



सत्यमेव जयते

उद्योगों का वार्षिक सर्वेक्षण
ANNUAL SURVEY OF INDUSTRIES
2022-2023
कारखाना क्षेत्र के सार परिणाम
SUMMARY RESULTS FOR FACTORY SECTOR



भारत सरकार
सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय
राष्ट्रीय सांख्यिकी कार्यालय
उद्यम सर्वेक्षण प्रभाग
कोलकाता

GOVERNMENT OF INDIA
MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION
NATIONAL STATISTICS OFFICE
ENTERPRISE SURVEY DIVISION
KOLKATA



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प्रस्तावना



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


स्थापित परिपाटी के अनुरूप ही एसआई 2022-23 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 एसआई का सर्वेक्षण सविस्तार प्रकाशित किया गया है, जबकि कारखाना क्षेत्र का सारांश परिणाम एसआई के परिणामों के महत्वपूर्ण पहलुओं की ओर ध्यान दिलाने के उद्देश्य से तैयार किया गया है और इसे अलग प्रकाशन के रूप में प्रकाशित किया जा रहा है। सारांश परिणाम में विशेष सारणियों की सहायता से 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।

एसआई 2022-23 हेतु नवंबर, 2023 से जून, 2024 के दौरान सर्वेक्षण किया गया था। राष्ट्रीय सांख्यिकी कार्यालय (एनएसओ) के उद्यम सर्वेक्षण प्रभाग द्वारा सर्वेक्षण की पूरी योजना तैयार की जाती है और और डाटा संग्रहण का कार्य एनएसओ के क्षेत्र संकार्य प्रभाग द्वारा किया जाता है।

मैं राष्ट्रीय सांख्यिकी कार्यालय (एनएसओ) के क्षेत्र संकार्य प्रभाग, उद्यम सर्वेक्षण प्रभाग और समन्वय एवं गुणवत्ता नियंत्रण 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
अक्टूबर, 2024


गीता सिंह राठौर
महानिदेशक(एनएसएस)

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.

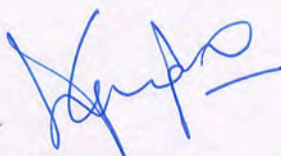
As a matter of convention, the results of ASI 2022-23 are published in Volume I, Volume II and an abridged publication namely "Summary Results for Factory Sector". While the two volumes of the publication provide detailed results of factory sector from the ASI, the Summary Results for Factory Sector is prepared with the objective to draw attention to certain key features of the ASI results. The Summary Results aim to present a comprehensive overview of the 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 an overview of the industrial landscape at the regional as well as at the national level.

Survey for ASI 2022-23, was carried out during November, 2023 to June, 2024. The Enterprise Survey Division of National Statistics Office (NSO) prepares the entire plan of the survey and the field work is carried out by Field Operations Division of NSO.

I wish to place on record my appreciation for all the officers and staff members of Field Operations Division, Enterprise Survey Division and Coordination and Quality Control Division of NSO 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
October, 2024



(Geeta Singh Rathore)
Director General (NSS)

उद्योगों का वार्षिक सर्वेक्षण: 2022-2023

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1. परिचय

1.1 क्षेत्र और विस्तार

1.1.1 उद्योगों का वार्षिक सर्वेक्षण (उ.वा.स.) 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) व 2 (एम) (ii) के अंतर्गत पंजीकृत औद्योगिक इकाइयों (जो कारखाना कहलाती हैं) तक सम्मिलित समग्र कारखाना क्षेत्र पर है, जिसमें 'कारखाना' जो उद्योगों के वार्षिक सर्वेक्षण के लिए परिगणना की प्राथमिक सांख्यिकी इकाई है, की परिभाषा इस प्रकार दी गई है-

अपनी परिसीमाओं सहित कोई भी 'ऐसा परिसर':-

- (i) जहाँ दस या उससे अधिक श्रमिक काम कर रहे हों या पिछले बारह महीनों में किसी भी दिन काम कर रहे थें, तथा उसके किसी भी भाग में बिजली की सहायता से कोई विनिर्माण कार्य किया जा रहा हो, या साधारणतः ऐसा किया जाता हो, अथवा,
- (ii) जहाँ बीस या उससे अधिक श्रमिक काम कर रहे हों या पिछले बारह महीनों में किसी भी दिन काम कर रहे थें, तथा उसके किसी भी भाग में बिजली 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) के द्वारा) निम्न रूप से परिभाषित किया गया है:

'कोई प्रक्रिया' जो:

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

1.1.3 उपरोक्त परिभाषा को कारखाना अधिनियम, 1948 में संशोधन के कारण महाराष्ट्र और राजस्थान और गोवा राज्य के लिए थोड़ा संशोधित किया गया है, जो निम्नानुसार महाराष्ट्र और राजस्थान के उ. वा. स. 2015-16 से लागू है और गोवा के लिए, जो उ. वा. स. 2022-23 से लागू है: "धारा 2 एम (i) को संशोधित किया गया है, अर्थात्, 10 या अधिक बिजली वाले श्रमिकों से लेकर 20 या अधिक बिजली वाले श्रमिकों तक और धारा 2 एम (ii) को भी संशोधित किया गया है, अर्थात्, 20 या अधिक बिजली वाले श्रमिकों से लेकर 40 या अधिक बिजली वाले श्रमिकों तक।"

1.1.4 कारखाना अधिनियम, 1948 की धारा 2 (एम) (i) और 2 (एम) (ii) के अतिरिक्त बीड़ी एवं सिगार इकाइयों, जहाँ पर बिजली की सहायता से 10 अथवा उससे अधिक श्रमिक एवं बिजली की सहायता के बिना 20 अथवा उससे अधिक श्रमिक काम करते हैं, एवं जो बीड़ी एवं सिगार कर्मकार (रोजगार की शर्तें) अधिनियम, 1966 के अंतर्गत पंजीकृत इकाइयों हैं, उ.वा.स. में शामिल हैं। बिजली 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।

1.1.5 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। 100 या उससे अधिक कर्मचारियों वाली वैसी इकाइयाँ जो कारखाना अधिनियम, 1948 की धारा 2 (एम) (i) व 2 (एम) (ii) के अंतर्गत पंजीकृत नहीं हैं, परंतु जो बिजनेस रजिस्टर ऑफ एस्टेब्लिसमेंट (BRE) में राज्य सरकारों द्वारा तैयार तथा राष्ट्रीय सांख्यिकी कार्यालय (NSO), 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 हैं, को राज्य सरकारों द्वारा ऐसी सूचियाँ साझा किए जाने पर चयन हेतु विचार किया जाता है।

1.1.6 बिजनेस रजिस्टर ऑफ एस्टेब्लिसमेंट (BRE) में गणना के लिए कर्मचारी मानदंडों में छूट, जो पहले संघ राज्य क्षेत्र लद्दाख के लिए [जब तक मुख्य कारखाना निरीक्षक (C.I.F.) की स्थापना नहीं हो जाती] "100 या अधिक" के रूप में था और अब "10 या अधिक" के रूप में अपनाया गया है के पश्चात, इस वर्ष (उ. वा. स. 2022-23) सर्वेक्षण के लिए लद्दाख संबंधी मापदंडों के अनुमान को लेते हुए योग्य इकाइयों पर विचार किया गया है।

1.1.7 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 इकाइयों 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। यह 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। उद्योगों के वार्षिक सर्वेक्षण 2022-23 का भौगोलिक विस्तारण संपूर्ण देश में किया गया है।

1.2 परिगणना एकक

1.2.1 विनिर्माणकारी उद्योगों के मामले में सर्वेक्षण के लिए परिगणना की प्राथमिक इकाई कारखाना है, मरम्मत सेवाओं के मामले में यह इकाई वर्कशॉप है, बिजली, गैस एवं जल आपूर्ति करने वाले उपक्रमों के मामले में उपक्रम अथवा लाइसेंसधारी तथा बीड़ी एवं सिगार उद्योगों के मामले में प्रतिष्ठान है। तथापि केवल एक ही राज्य में स्थित किसी एक ही उद्योग समूह के अंतर्गत आने वाले दो या इससे अधिक प्रतिष्ठानों के मालिक को एक ही 'संयुक्त विवरणी' प्रस्तुत करने की अनुमति दी जाती है। उ.वा.स. में कुछ कारखानों के मामले में ऐसे समेकित विवरणी 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 के संबंध में पंजीकरण प्राधिकरणों द्वारा रखी जा रही सूचियों पर आधारित है। इस फ्रेम को राज्य के मुख्य कारखाना निरीक्षक के परामर्श से राष्ट्रीय सांख्यिकी कार्यालय (NSO) के क्षेत्रीय संकार्य प्रभाग (FOD) के क्षेत्रीय कार्यालयों द्वारा सालाना संशोधन एवं अद्यतन किया जाता है। संशोधित करते समय उन कारखानों के नाम उ.वा.स फ्रेम से हटा दिए जाते हैं जिनका पंजीकरण रद्द कर दिया गया हो तथा 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 भी यह पाया जाता है कि सर्वेक्षण के लिए चयनित बहुत से कारखाने सर्वेक्षण के दौरान गैर-अस्तित्व, अपंजीकरण, तथा कवरेज से बाहर होने जैसे विभिन्न कारणों से निकल जाते हैं।

1.3.2 यह उल्लेखनीय है कि प्रचालन में रहने वाले कारखानों को छोड़कर उ.वा.स. फ्रेम में ऐसे कारखाने शामिल हैं, जिन्हें पैरा 1.6.2 में यथा परिभाषित 'अचल आस्तियों व मेनटेनिंग स्टाफ सहित विद्यमान, परंतु उत्पादन रहित' तथा 'अचल आस्तियों सहित विद्यमान, परंतु मेनटेनिंग स्टाफ व उत्पादन रहित' के रूप में वर्गीकृत किया गया है।

1.4 संदर्भ अवधि

1.4.1 उ.वा.स. 2022-23 की संदर्भ अवधि कारखाना का लेखा वर्ष था, जो वित्तीय वर्ष 2022-23 के दौरान किसी भी दिन समाप्त हो सकता था। अतः उ.वा.स. 2022-23 में विभिन्न प्रतिष्ठानों से संग्रहित किए गए ऑकड़े उनके अपने लेखा वर्ष से संबन्धित हैं, जो 1 अप्रैल, 2022 व 31 मार्च, 2023 के बीच किसी भी दिन समाप्त हुए हैं। यह सर्वेक्षण नवम्बर, 2023 से जून, 2024 के दौरान आयोजित किया गया था।

1.5 प्रतिदर्श डिज़ाइन एवं प्रतिदर्श आबंटन

1.5.1 उ.वा.स. 2022-23 में अपनाए गए प्रतिदर्श डिज़ाइन 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 में निम्नलिखित इकाइयाँ शामिल 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 द्वीप समूह और लद्दाख में स्थित है।

(ख) फ्रेम NIC= 0893 (नमक संकषण) की सभी इकाइयाँ।

(ग) (क) में उल्लिखित को छोड़कर अन्य राज्यों/संघ-राज्य क्षेत्रों के लिए।

(i) छह राज्यों/संघ-राज्य क्षेत्रों यथा- जम्मू और कश्मीर, हिमाचल प्रदेश, राजस्थान, बिहार, छत्तीसगढ़ और केरल की वे इकाइयाँ जिनमें 75 या अधिक कामगर हों;

(ii) तीन राज्यों/ संघ-राज्य क्षेत्रों यथा-चंडीगढ़, दिल्ली तथा पुडुच्चेरी की वे इकाइयाँ जिनमें 50 या अधिक कामगर हों;

(iii) शेष राज्यों/संघ-राज्य क्षेत्रों जो उपरोक्त (i) तथा (ii) में उल्लिखित नहीं हैं के लिए वे इकाइयाँ जिनमें 100 या इससे ज्यादा कामगर हों और;

(iv) संयुक्त विवरणी के अंतर्गत आनेवाली सभी इकाइयाँ जहाँ संयुक्त विवरणी तभी मान्य है जब एक ही प्रबंधन के अंतर्गत, एक ही राज्य/संघ-राज्य क्षेत्र और एक ही उद्योग (3-अंकीय एन.आई.सी स्तर) में स्थित 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 एन.आई.सी - 2008 स्तर पर किया जाता है। यहाँ, 'क्षेत्र' बहुत बड़ा आर्थिक समूह है जिसमें विनिर्माण, बिजली उत्पादन कार्य तथा 'बीडी' बनाने का कार्य शामिल है। इस प्रकार, संक्षेप में, क्षेत्र - (i) बीडी (ii) विनिर्माण और (iii) बिजली हैं। स्ट्राटा से संबंधित सभी इकाइयाँ (अर्थात् राज्य में जिला द्वारा क्षेत्र द्वारा तीन अंकीय एन.आई.सी-2008 द्वारा इकाई के आधार पर निर्मित) जो चार इकाइयों के बराबर या उससे कम हैं, की संपूर्ण परिगणना की जाती है और इस प्रकार उन्हें "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 स्ट्राटा का निर्माण प्रत्येक राज्य x जिला x क्षेत्र x तीन अंकीय NIC-2008 कारखानों के लिए किया जाता है। प्रत्येक स्ट्रैटम में इकाइयों को कर्मचारियों की संख्या के अनुसार अवरोही क्रम में रखा जाता है। सर्कुलर सिस्टैमेटिक प्रतिदर्श तरीके के आधार पर प्रतिदर्श निकले जाते हैं। न्यूनतम चार इकाइयों वाले

समसंख्यक इकाइयों का चयन किया जाता है और उसे चार उप-प्रतिदर्शों में बराबर बाँट दिया जाता है। उल्लेखनीय है कि एक विशेष स्ट्रैटम के चार उप-प्रतिदर्शों की संख्या समान नहीं हो सकती है।

- (च) इन चार उप-प्रतिदर्शों में से दो पूर्व-निर्दिष्ट उप-प्रतिदर्श राष्ट्रीय सांख्यिकी कार्यालय (NSO) क्षेत्र संकार्य प्रभाग (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 सांख्यिकी कार्यालय (NSO) क्षेत्र संकार्य प्रभाग (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 को अपने राज्य/संघ-राज्य क्षेत्र द्वारा कैन्वस 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 सांख्यिकी कार्यालय (NSO) क्षेत्र संकार्य प्रभाग (FOD) द्वारा संग्रहित तथा उद्यम सर्वेक्षण प्रभाग (EnSD), राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा संसाधित डाटा का प्रयोग करना पड़ता है।
- (झ) राज्य प्रतिदर्श एवं केंद्रीय प्रतिदर्श 'पूल' करने हेतु संपूर्ण गणना इकाई व राष्ट्रीय सांख्यिकी कार्यालय (NSO) क्षेत्र संकार्य प्रभाग (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 स्ट्रैटा से 8% 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 2,55,244 था। इनमें से 62,778 इकाइयाँ गणना क्षेत्र से संबन्धित थी, जबकि शेष 1,92,466 इकाइयाँ प्रतिदर्श क्षेत्र से संबन्धित थी। उ.वा.स. 2022-23 हेतु कुल प्रतिदर्श आकार 82,734 (गणना 62,778 तथा प्रतिदर्श 19,956) इकाइयाँ थी।

1.6 प्राक्कलन पद्धति

1.6.1 प्राक्कलन की अभिलक्षणों की पद्धतियों को **परिशिष्ट - II** में दर्शाया 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 सकती है। इन इकाइयों को संदर्भ अवधि के दौरान उ.वा.स. के उद्देश्य से 'अचल आस्तियों 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 सभी मापदण्डों जैसे, आस्तियाँ, रोजगार, इत्यादि के साथ रखा जाता है। कुछ दूसरे इकाई भी हैं जो किसी दिए गए स्थान पर विद्यमान थी, परंतु संदर्भ अवधि में ना तो किसी कामगार की नियुक्ति की और ना ही उत्पादन आरंभ किया और ना 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 इकाइयाँ जो 'अचल आस्तियों सहित परंतु मेनटेनिंग स्टाफ व उत्पादन रहित' अस्तित्व में पायी जाती हैं, तो इन्हें मृत मान लिया जाता है और फ्रेम से विलुप्त कर सर्वेक्षण से हटा दिया जाता है। उल्लेखनीय है कि संदर्भित अवधि के लिए इकाइयों (कारखानों) की प्राक्कलित संख्या देने में, इस रिपोर्ट में प्रस्तुत मापदण्डों के प्रचलित तरीके से प्राक्कलन के लिए इन इकाइयों को अन्य सर्वेक्षित इकाइयों के साथ रखा जाता है।

1.6.3 प्रकाशन में जो परिणाम दिए गए हैं वे, क्षेत्र संकार्य प्रभाग (FOD), राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा संग्रहित तथा उद्यम सर्वेक्षण प्रभाग (EnSD), राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा संसाधित केंद्रीय प्रतिदर्श डाटा पर आधारित हैं। इसके अतिरिक्त, इस प्रकाशन में दिए गए प्राक्कलित मूल्य के आँकड़े वर्तमान मूल्यों में दिए गए हैं। मूल्यों को हजार या लाख रु. के पूर्णांक में लिखा

जाता है। अखिल भारतीय आँकड़ों को अलग से पूर्णांक में लिखा जाता है जो राज्य/संघ-राज्य क्षेत्र आँकड़ों के योग से मेल नहीं भी खा सकते हैं। इसी प्रकार, उद्योग-वार 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 जॉब की अनुसूची

1.7.1 उ.वा.स. 2022-23 की अनुसूची के दो भाग हैं। भाग-1, जिसका संसाधन उद्यम सर्वेक्षण प्रभाग (EnSD), राष्ट्रीय सांख्यिकी कार्यालय (NSO) 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 दिन, अनुपस्थिति, श्रमिकावर्त, श्रम घंटे, उपार्जन एवं सामाजिक सुरक्षा लाभों के बारे में डाटा एकत्रित करना है।

1.7.2 उ.वा.स. 2022-23 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 सभी वस्तुएं एवं सेवाएं शामिल हैं। विनिर्माण क्षेत्र के लिए राष्ट्रीय उत्पाद वर्गीकरण (NPCMS), 2011, जो भूतपूर्व औद्योगिक सांख्यिकी स्कंध, कोलकाता द्वारा विकसित एक 7-अंकीय उत्पाद वर्गीकरण है, CPC 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 'H', 'I' व 'J' ब्लॉक में स्थित इनपुट आउटपुट मदों को दर्ज करने के लिए किया गया है। उ.वा.स. 2015-16 से, NPCMS, 2011 का संशोधित संस्करण उ.वा.स. में संग्रहित इनपुट एवं आउटपुट 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 क्रियाकलापों के वर्गीकरण के लिए NIC-1970 का अनुसरण किया गया था। उस समय NIC-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 NIC-1998 का अनुसरण किया गया था। उ.वा.स. 2004-05 से वर्गीकरण की नई श्रेणी अर्थात् NIC-2004 चालू की गई और इसे ही उ.वा.स. 2007-08 तक प्रयोग में लाया गया। उ.वा.स. 2008-09 से NIC-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 NIC 2008 वर्गीकरण से मेल खाते हैं। 2-अंकीय एन.आई.सी. विभाजन 10-33, 38 व 58 के सभी कारखानों और एन.आई.सी. 2008 के उप-वर्ग 01632, 01640 एवं 08932 और अन्य कारखानों (सारणी 0 में सूचीकृत) भी उ.वा.स. 2022-23 में शामिल हैं। इस प्रकाशन के लिए सारणी 0 उद्योगों के वर्गीकरण को वृहत् श्रेणी में दर्शाती है। NIC. 2008 कोड के अंतर्गत 3/4-अंकीय स्तर की सूची विवरण सहित **परिशिष्ट - V** में दिया गया है।

सारणी 0 : वृहत श्रेणी में उद्योगों का वर्गीकरण

एन.आई.सी.-08	वृहत श्रेणी का नाम
10-33, 38 व 58	चुनिन्दा विनिर्माण
35 व 36	विद्युत, गैस, जलापूर्ति
01: 01632 (कपास जिनिंग, सफाई व गट्टे 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 क्षे.सं.प्र., राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा संग्रहित और उद्यम सर्वेक्षण प्रभाग (EnSD), राष्ट्रीय सांख्यिकी कार्यालय (NSO), द्वारा संसाधित केंद्रीय प्रतिदर्श डाटा पर आधारित होते हैं। उ.वा.स. 2022-23 के परिणाम अखिल भारतीय स्तर में NIC-2008 के 2/3/4-अंकीय स्तर पर तथा राज्यों/संघ-राज्य क्षेत्रों 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 इनपुट आउटपुट मर्दों को विनिर्माण क्षेत्र (NPC-MS), 2011 (संशोधित) के लिए राष्ट्रीय उत्पाद वर्गीकरण के अनुसार वर्गीकृत किया जाता है। इनके अतिरिक्त, दूसरा प्रकाशन, यथा- कारखाना क्षेत्र के सारांश परिणाम को 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 सार दृष्टिकोण देने के उद्देश्य से तैयार किया जाता है। यह महत्वपूर्ण अभिलक्षणों जैसे रोजगार का आकार, पूंजी, सकल उत्पाद और निवल वर्धित मूल्य द्वारा कारखानों के वितरण को दर्शाता है।

1.9.2 सांख्यिकी संग्रहण अधिनियम, 2008 में वैयक्तिक कारखानों का डाटा प्रकटीकरण 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 NIC 4-अंकीय/3-अंकीय स्तर के अंतर्गत इकाईयों की संख्या तीन से कम है, तो इस 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 अध्यधीन 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 मर्दों के प्राक्कलन संगत नहीं भी हो सकते हैं।

1.9.4 सारणीयन नीति के तहत NIC-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 ईकाईयों 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, जो उद्योगों के 2/3/4-अंकीय स्तर द्वारा क्रॉस वर्गीकृत (cross classified) हैं, छोटे प्रतिदर्श आकार की सीमा के अध्यक्षीन हैं और अतः प्रयोगकर्ता द्वारा सावधानी से इन मापदण्डों के आकार तथा बदलाव की व्याख्या की जाएं।

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

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

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

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

(घ) विपरीतता से, पिछले वर्ष के प्रतिदर्श ईकाईयों का वर्तमान वर्ष की गणना ईकाईयों में चले जाना जो कि नियोजन के आकार या प्रतिदर्श नीति या दोनों पर निर्भर करता है।

(ड.) विभिन्न कारणों से पिछले वर्ष के कार्य निष्पादन की तुलना में वर्तमान वर्ष में ईकाईयों 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 The above definition is slightly modified due to the amendment of the Factories Act, 1948 for the State of Maharashtra and Rajasthan, which is applicable from ASI 2015-16 onwards and for Goa, which is applicable from ASI 2022-23 onwards, as noted below: “Section 2m(i) has been modified, i.e., from 10 or more workers with power to 20 or more workers with power and also Section 2m(ii), i.e., from 20 or more workers without power to 40 or more workers without power.”

1.1.4 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.

1.1.5 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 Statistics Office (NSO) are also considered for selection as and when such lists are shared by the State Governments.

1.1.6 Following the relaxation of employee criteria for census in the Business Register of Establishments (BRE), which was earlier as “100 or more” and now adopted as “10 or more” [till the time Chief Inspector of Factories (C.I.F.) is established] for the Union Territory of Ladakh, eligible units are considered for this year (ASI 2022-23) survey and taken into the estimates of parameters for Ladakh.

1.1.7 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 2022-23 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 NSO 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 2022-23 was the accounting year of the factory, ending on any day during the financial year 2022-23. Thus, in ASI 2022-23, data collected from establishments relate to their respective accounting years that ended on any day between 1st April 2022 and 31st March 2023. Survey was conducted during November 2023 to June 2024.

1.5 Sample Design and Sample Allocation

1.5.1 As per sampling design adopted in ASI 2022-23, 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 NSO (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 NSO (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 NSO (FOD) and processed by Enterprise Survey Division (EnSD), NSO 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 NSO (FOD) *plus* all the units belonging to the two sub-samples given to State/UT are required for pooling of Central and State Samples.

1.5.3 It may be noted that samples have been drawn considering an overall sampling fraction of 8% 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’ or ‘Existing with fixed assets but not maintaining staff and not having production’ was 2,55,244. Of these, 62,778 units belonged to the Census Sector, while the remaining 1,92,466 units formed the Sample Sector. Total sample size for ASI 2022-23 was 82,734 (62,778 Census and 19,956 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, NSO and processed by EnSD, NSO. 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 2022-23 has two parts. Part-I which is processed at EnSD, NSO, aims to collect data on fixed assets and liabilities, employment and labour cost, sundry receipts, sundry expenses, materials consumed– indigenous and imported, products and by-products manufactured, distributive expenses etc. Part-II, which is processed by the Labour Bureau, aims to collect data on different aspects of labour statistics, namely, working days, mandays worked, absenteeism, labour turnover, man-hours worked, earning and social security benefits.

1.7.2 A copy of the ASI 2022-23 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 erstwhile 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 2022-23. 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

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

1.9 Publications and Limitations

1.9.1 The results presented in this publication are based on the central sample data collected by FOD, NSO and processed by EnSD, NSO. The results of ASI 2022-23 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 0ए उ.वा.स. 2022-23 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 0बी एवं 0सी उ.वा.स. 2022-23 में सर्वेक्षण की स्थिति के अनुसार क्रमशः चयनित कारखानों की संख्या का पूर्ण और प्रतिशत वितरण दर्शाता है।

2.3 विवरण 1ए वर्ष 2022-23 में सर्वेक्षण की स्थिति के अनुसार प्राक्कलित 'कारखानों की संख्या' (पूर्ण रूप में) दर्शाता है और विवरण 2ए 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 1बी तथा 2सी में संबन्धित प्रतिशत का वितरण दिया गया है।

2.4 विवरण 0बी तथा 0सी में यह नोट किया जाए कि सर्वेक्षण के दौरान, 6,395 कारखानों (7.73%) 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 870 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. 2022-23 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 कैजुयल्टी 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 2022-23. 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 2022-23.

2.3 Statement 1A gives the estimated ‘number of factories’ (in absolute terms) in 2022-23 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, 6,395 factories (7.73%) 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 870 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 2022-23 data unless otherwise mentioned.

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

Code	Treatment in multiplier calculation
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

State/UT	No. of Factories		
	in Frame	Selected	Surveyed*
A&N Islands	14	14	14
Andhra Pradesh	16552	3534	3398
Arunachal Pradesh	240	240	198
Assam	5783	1539	1366
Bihar	3332	1437	1388
Chandigarh	231	109	106
Chattisgarh	4749	1284	1226
Dadra & N Haveli & Daman & Diu	2792	937	920
Delhi	3108	1266	1206
Goa	704	392	377
Gujarat	31157	7671	7452
Haryana	10664	3566	3464
Himachal Pradesh	2654	964	916
Jammu and Kashmir	1021	499	487
Jharkhand	2925	914	867
Karnataka	14577	5189	5069
Kerala	7636	2471	2410
Ladakh	33	33	30
Madhya Pradesh	5143	2275	2142
Maharashtra	26744	9213	8750
Manipur	263	263	237
Meghalaya	223	223	192
Mizoram	206	206	206
Nagaland	194	194	193
Odisha	3286	1208	1151
Puducherry	769	377	371
Punjab	13262	2825	2749
Rajasthan	10614	3520	3403
Sikkim	91	91	90
Tamil Nadu	39908	15239	14827
Telangana	13139	3335	3173
Tripura	707	707	699
Uttar Pradesh	19288	6716	6417
Uttarakhand	2890	1248	1215
West Bengal	10345	3035	2834
All India	255244	82734	79543

* 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 Information			Data borrowed from Previous Year				4	5	7	
	1	2	3	5*	7*	8*					
A&N Islands	13	0	0	0	0	0	1	0	0	0	14
Andhra Pradesh	2630	162	71	8	0	9	518	38	44	54	3534
Arunachal Pradesh	125	47	13	0	0	1	12	19	17	6	240
Assam	1144	84	33	1	1	10	93	70	52	51	1539
Bihar	1156	109	23	2	0	9	89	32	7	10	1437
Chandigarh	95	2	1	0	0	0	8	2	1	0	109
Chattisgarh	1096	43	41	2	0	3	41	29	13	16	1284
Dadra & N Haveli & Daman & Diu	776	10	12	0	0	13	109	0	1	16	937
Delhi	989	43	4	8	0	15	147	18	7	35	1266
Goa	340	20	0	0	2	4	11	3	2	10	392
Gujarat	6565	64	69	7	0	71	676	24	31	164	7671
Haryana	3044	30	5	23	0	14	348	35	19	48	3566
Himachal Pradesh	813	8	9	3	0	5	78	31	7	10	964
Jammu and Kashmir	397	19	30	0	0	0	41	1	3	8	499
Jharkhand	729	30	15	2	0	0	91	17	28	2	914
Karnataka	4503	81	40	35	2	34	374	23	42	55	5189
Kerala	2054	207	25	1	0	18	105	13	14	34	2471
Ladakh	24	2	0	0	0	0	4	1	0	2	33
Madhya Pradesh	1893	50	53	10	0	11	125	53	35	45	2275
Maharashtra	7551	79	75	35	0	128	882	109	69	285	9213
Manipur	189	30	16	0	0	0	2	4	20	2	263
Meghalaya	156	16	6	0	0	0	14	4	26	1	223
Mizoram	143	58	3	0	0	0	2	0	0	0	206
Nagaland	168	9	14	0	0	0	2	0	1	0	194
Odisha	972	57	41	0	0	10	71	15	20	22	1208
Puducherry	300	19	9	0	0	6	37	0	2	4	377
Punjab	2452	30	54	3	0	8	202	36	7	33	2825
Rajasthan	3126	54	54	1	1	11	156	15	66	36	3520
Sikkim	81	1	0	0	0	0	8	0	1	0	91
Tamil Nadu	12740	613	81	18	33	150	1192	134	69	209	15239
Telangana	2704	34	103	1	0	41	290	3	64	95	3335
Tripura	425	223	40	0	0	0	11	1	7	0	707
Uttar Pradesh	5803	97	48	49	1	16	403	165	62	72	6716
Uttarakhand	1109	10	7	4	0	4	81	17	9	7	1248
West Bengal	2510	57	70	8	0	18	171	125	9	67	3035
All India	68815	2398	1065	221	40	609	6395	1037	755	1399	82734

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	7.14	0.00	0.00	0.00	100.00
Andhra Pradesh	74.42	4.58	2.01	0.23	0.00	0.25	14.66	1.08	1.25	1.53	100.00
Arunachal Pradesh	52.08	19.58	5.42	0.00	0.00	0.42	5.00	7.92	7.08	2.50	100.00
Assam	74.33	5.46	2.14	0.06	0.06	0.65	6.04	4.55	3.38	3.31	100.00
Bihar	80.45	7.59	1.60	0.14	0.00	0.63	6.19	2.23	0.49	0.70	100.00
Chandigarh	87.16	1.83	0.92	0.00	0.00	0.00	7.34	1.83	0.92	0.00	100.00
Chattisgarh	85.36	3.35	3.19	0.16	0.00	0.23	3.19	2.26	1.01	1.25	100.00
Dadra & N Haveli & Daman & Diu	82.82	1.07	1.28	0.00	0.00	1.39	11.63	0.00	0.11	1.71	100.00
Delhi	78.12	3.40	0.32	0.63	0.00	1.18	11.61	1.42	0.55	2.76	100.00
Goa	86.73	5.10	0.00	0.00	0.51	1.02	2.81	0.77	0.51	2.55	100.00
Gujarat	85.58	0.83	0.90	0.09	0.00	0.93	8.81	0.31	0.40	2.14	100.00
Haryana	85.36	0.84	0.14	0.64	0.00	0.39	9.76	0.98	0.53	1.35	100.00
Himachal Pradesh	84.34	0.83	0.93	0.31	0.00	0.52	8.09	3.22	0.73	1.04	100.00
Jammu and Kashmir	79.56	3.81	6.01	0.00	0.00	0.00	8.22	0.20	0.60	1.60	100.00
Jharkhand	79.76	3.28	1.64	0.22	0.00	0.00	9.96	1.86	3.06	0.22	100.00
Karnataka	86.78	1.56	0.77	0.67	0.04	0.66	7.21	0.44	0.81	1.06	100.00
Kerala	83.12	8.38	1.01	0.04	0.00	0.73	4.25	0.53	0.57	1.38	100.00
Ladakh	72.73	6.06	0.00	0.00	0.00	0.00	12.12	3.03	0.00	6.06	100.00
Madhya Pradesh	83.21	2.20	2.33	0.44	0.00	0.48	5.49	2.33	1.54	1.98	100.00
Maharashtra	81.96	0.86	0.81	0.38	0.00	1.39	9.57	1.18	0.75	3.09	100.00
Manipur	71.86	11.41	6.08	0.00	0.00	0.00	0.76	1.52	7.60	0.76	100.00
Meghalaya	69.96	7.17	2.69	0.00	0.00	0.00	6.28	1.79	11.66	0.45	100.00
Mizoram	69.42	28.16	1.46	0.00	0.00	0.00	0.97	0.00	0.00	0.00	100.00
Nagaland	86.60	4.64	7.22	0.00	0.00	0.00	1.03	0.00	0.52	0.00	100.00
Odisha	80.46	4.72	3.39	0.00	0.00	0.83	5.88	1.24	1.66	1.82	100.00
Puducherry	79.58	5.04	2.39	0.00	0.00	1.59	9.81	0.00	0.53	1.06	100.00
Punjab	86.80	1.06	1.91	0.11	0.00	0.28	7.15	1.27	0.25	1.17	100.00
Rajasthan	88.81	1.53	1.53	0.03	0.03	0.31	4.43	0.43	1.88	1.02	100.00
Sikkim	89.01	1.10	0.00	0.00	0.00	0.00	8.79	0.00	1.10	0.00	100.00
Tamil Nadu	83.60	4.02	0.53	0.12	0.22	0.98	7.82	0.88	0.45	1.37	100.00
Telangana	81.08	1.02	3.09	0.03	0.00	1.23	8.70	0.09	1.92	2.85	100.00
Tripura	60.11	31.54	5.66	0.00	0.00	0.00	1.56	0.14	0.99	0.00	100.00
Uttar Pradesh	86.41	1.44	0.71	0.73	0.01	0.24	6.00	2.46	0.92	1.07	100.00
Uttarakhand	88.86	0.80	0.56	0.32	0.00	0.32	6.49	1.36	0.72	0.56	100.00
West Bengal	82.70	1.88	2.31	0.26	0.00	0.59	5.63	4.12	0.30	2.21	100.00
All India	83.18	2.90	1.29	0.27	0.05	0.74	7.73	1.25	0.91	1.69	100.00

* 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	1	14
Andhra Pradesh	10601	1235	377	25	0	9	4236	16483
Arunachal Pradesh	125	47	13	0	0	1	12	198
Assam	4421	408	163	1	4	15	702	5712
Bihar	2173	550	46	2	0	11	525	3307
Chandigarh	170	6	1	0	0	0	53	229
Chattisgarh	4036	163	200	2	0	3	314	4717
Dadra & N Haveli & Daman & Diu	1711	33	47	0	0	13	979	2783
Delhi	2042	96	20	8	0	15	882	3063
Goa	601	51	0	0	2	13	28	694
Gujarat	23759	445	444	18	0	146	6220	31031
Haryana	7684	167	28	37	0	18	2668	10603
Himachal Pradesh	1932	16	24	3	0	5	652	2632
Jammu and Kashmir	746	39	53	0	0	0	178	1015
Jharkhand	2017	131	74	2	0	0	673	2897
Karnataka	10795	420	93	35	2	46	3119	14510
Kerala	6073	668	89	1	0	21	740	7592
Ladakh	24	2	0	0	0	0	4	30
Madhya Pradesh	4270	131	105	10	0	14	529	5058
Maharashtra	19837	341	324	45	0	192	5707	26446
Manipur	189	30	16	0	0	0	2	237
Meghalaya	156	16	6	0	0	0	14	192
Mizoram	143	58	3	0	0	0	2	206
Nagaland	168	9	14	0	0	0	2	193
Odisha	2424	213	189	0	0	10	409	3244
Puducherry	588	23	22	0	0	6	126	765
Punjab	10830	197	300	14	0	34	1853	13228
Rajasthan	9008	219	327	1	1	13	961	10528
Sikkim	81	1	0	0	0	0	8	90
Tamil Nadu	28328	2689	261	18	35	187	8149	39666
Telangana	9811	145	680	1	0	63	2363	13063
Tripura	425	223	40	0	0	0	11	699
Uttar Pradesh	15624	391	149	83	1	16	2839	19102
Uttarakhand	2336	14	15	4	0	4	497	2870
West Bengal	8193	230	413	21	0	25	1356	10237
All India	191335	9404	4534	331	44	876	46811	253334

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

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

State/UT	Status Code							Total
	Treated as Operating Units						Zero Units	
	Current Year Informaion			Data imputed from Previous Year				
	1	2	3	5*	7*	8*	4	
A&N Islands	92.86	0.00	0.00	0.00	0.00	0.00	7.14	100.00
Andhra Pradesh	64.31	7.49	2.29	0.15	0.00	0.05	25.70	100.00
Arunachal Pradesh	63.13	23.74	6.57	0.00	0.00	0.51	6.06	100.00
Assam	77.40	7.14	2.85	0.02	0.07	0.26	12.29	100.00
Bihar	65.71	16.63	1.39	0.06	0.00	0.33	15.88	100.00
Chandigarh	74.24	2.62	0.44	0.00	0.00	0.00	23.14	100.00
Chattisgarh	85.56	3.46	4.24	0.04	0.00	0.06	6.66	100.00
Dadra & N Haveli & Daman & Diu	61.48	1.19	1.69	0.00	0.00	0.47	35.18	100.00
Delhi	66.67	3.13	0.65	0.26	0.00	0.49	28.80	100.00
Goa	86.60	7.35	0.00	0.00	0.29	1.87	4.03	100.00
Gujarat	76.57	1.43	1.43	0.06	0.00	0.47	20.04	100.00
Haryana	72.47	1.58	0.26	0.35	0.00	0.17	25.16	100.00
Himachal Pradesh	73.40	0.61	0.91	0.11	0.00	0.19	24.77	100.00
Jammu and Kashmir	73.50	3.84	5.22	0.00	0.00	0.00	17.54	100.00
Jharkhand	69.62	4.52	2.55	0.07	0.00	0.00	23.23	100.00
Karnataka	74.40	2.89	0.64	0.24	0.01	0.32	21.50	100.00
Kerala	79.99	8.80	1.17	0.01	0.00	0.28	9.75	100.00
Ladakh	80.00	6.67	0.00	0.00	0.00	0.00	13.33	100.00
Madhya Pradesh	84.42	2.59	2.08	0.20	0.00	0.28	10.46	100.00
Maharashtra	75.01	1.29	1.23	0.17	0.00	0.73	21.58	100.00
Manipur	79.75	12.66	6.75	0.00	0.00	0.00	0.84	100.00
Meghalaya	81.25	8.33	3.13	0.00	0.00	0.00	7.29	100.00
Mizoram	69.42	28.16	1.46	0.00	0.00	0.00	0.97	100.00
Nagaland	87.05	4.66	7.25	0.00	0.00	0.00	1.04	100.00
Odisha	74.72	6.57	5.83	0.00	0.00	0.31	12.61	100.00
Puducherry	76.86	3.01	2.88	0.00	0.00	0.78	16.47	100.00
Punjab	81.87	1.49	2.27	0.11	0.00	0.26	14.01	100.00
Rajasthan	85.56	2.08	3.11	0.01	0.01	0.12	9.13	100.00
Sikkim	90.00	1.11	0.00	0.00	0.00	0.00	8.89	100.00
Tamil Nadu	71.42	6.78	0.66	0.05	0.09	0.47	20.54	100.00
Telangana	75.11	1.11	5.21	0.01	0.00	0.48	18.09	100.00
Tripura	60.80	31.90	5.72	0.00	0.00	0.00	1.57	100.00
Uttar Pradesh	81.79	2.05	0.78	0.43	0.01	0.08	14.86	100.00
Uttarakhand	81.39	0.49	0.52	0.14	0.00	0.14	17.32	100.00
West Bengal	80.03	2.25	4.03	0.21	0.00	0.24	13.25	100.00
All India	75.53	3.71	1.79	0.13	0.02	0.35	18.48	100.00

* 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	10601	1235	377	25	0	9	12247
Arunachal Pradesh	125	47	13	0	0	1	186
Assam	4421	408	163	1	4	15	5010
Bihar	2173	550	46	2	0	11	2782
Chandigarh	170	6	1	0	0	0	177
Chhattisgarh	4036	163	200	2	0	3	4403
Dadra & N Haveli & Daman & Diu	1711	33	47	0	0	13	1804
Delhi	2042	96	20	8	0	15	2181
Goa	601	51	0	0	2	13	667
Gujarat	23759	445	444	18	0	146	24811
Haryana	7684	167	28	37	0	18	7935
Himachal Pradesh	1932	16	24	3	0	5	1980
Jammu and Kashmir	746	39	53	0	0	0	838
Jharkhand	2017	131	74	2	0	0	2224
Karnataka	10795	420	93	35	2	46	11391
Kerala	6073	668	89	1	0	21	6852
Ladakh	24	2	0	0	0	0	26
Madhya Pradesh	4270	131	105	10	0	14	4529
Maharashtra	19837	341	324	45	0	192	20739
Manipur	189	30	16	0	0	0	235
Meghalaya	156	16	6	0	0	0	178
Mizoram	143	58	3	0	0	0	204
Nagaland	168	9	14	0	0	0	191
Odisha	2424	213	189	0	0	10	2835
Puducherry	588	23	22	0	0	6	639
Punjab	10830	197	300	14	0	34	11375
Rajasthan	9008	219	327	1	1	13	9567
Sikkim	81	1	0	0	0	0	82
Tamil Nadu	28328	2689	261	18	35	187	31517
Telangana	9811	145	680	1	0	63	10700
Tripura	425	223	40	0	0	0	688
Uttar Pradesh	15624	391	149	83	1	16	16263
Uttarakhand	2336	14	15	4	0	4	2373
West Bengal	8193	230	413	21	0	25	8881
All India	191335	9404	4534	331	44	876	206523

* 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	86.56	10.08	3.08	0.20	0.00	0.07	100.00
Arunachal Pradesh	67.20	25.27	6.99	0.00	0.00	0.54	100.00
Assam	88.24	8.14	3.25	0.02	0.08	0.30	100.00
Bihar	78.11	19.77	1.65	0.07	0.00	0.40	100.00
Chandigarh	96.05	3.39	0.56	0.00	0.00	0.00	100.00
Chattisgarh	91.66	3.70	4.54	0.05	0.00	0.07	100.00
Dadra & N Haveli & Daman & Diu	94.84	1.83	2.61	0.00	0.00	0.72	100.00
Delhi	93.63	4.40	0.92	0.37	0.00	0.69	100.00
Goa	90.10	7.65	0.00	0.00	0.30	1.95	100.00
Gujarat	95.76	1.79	1.79	0.07	0.00	0.59	100.00
Haryana	96.84	2.10	0.35	0.47	0.00	0.23	100.00
Himachal Pradesh	97.58	0.81	1.21	0.15	0.00	0.25	100.00
Jammu and Kashmir	89.02	4.65	6.32	0.00	0.00	0.00	100.00
Jharkhand	90.69	5.89	3.33	0.09	0.00	0.00	100.00
Karnataka	94.77	3.69	0.82	0.31	0.02	0.40	100.00
Kerala	88.63	9.75	1.30	0.01	0.00	0.31	100.00
Ladakh	92.31	7.69	0.00	0.00	0.00	0.00	100.00
Madhya Pradesh	94.28	2.89	2.32	0.22	0.00	0.31	100.00
Maharashtra	95.65	1.64	1.56	0.22	0.00	0.93	100.00
Manipur	80.43	12.77	6.81	0.00	0.00	0.00	100.00
Meghalaya	87.64	8.99	3.37	0.00	0.00	0.00	100.00
Mizoram	70.10	28.43	1.47	0.00	0.00	0.00	100.00
Nagaland	87.96	4.71	7.33	0.00	0.00	0.00	100.00
Odisha	85.50	7.51	6.67	0.00	0.00	0.35	100.00
Puducherry	92.02	3.60	3.44	0.00	0.00	0.94	100.00
Punjab	95.21	1.73	2.64	0.12	0.00	0.30	100.00
Rajasthan	94.16	2.29	3.42	0.01	0.01	0.14	100.00
Sikkim	98.78	1.22	0.00	0.00	0.00	0.00	100.00
Tamil Nadu	89.88	8.53	0.83	0.06	0.11	0.59	100.00
Telangana	91.69	1.36	6.36	0.01	0.00	0.59	100.00
Tripura	61.77	32.41	5.81	0.00	0.00	0.00	100.00
Uttar Pradesh	96.07	2.40	0.92	0.51	0.01	0.10	100.00
Uttarakhand	98.44	0.59	0.63	0.17	0.00	0.17	100.00
West Bengal	92.25	2.59	4.65	0.24	0.00	0.28	100.00
All India	92.65	4.55	2.20	0.16	0.02	0.42	100.00

* 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 2022-23 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 2022-23, there have been 2,06,523 registered operating factories in all States and Union Territories except Union Territory of Lakshadweep. This is found to be higher by 2.96 percent than that of last year. These factories together have a total stock of fixed capital worth ₹ 41,21,79,458 Lakhs and invested capital ₹ 61,39,21,255 Lakhs. These are higher by 10.61 and 10.72 percent, respectively compared to those estimated in ASI 2021-22. These factories have provided gainful employment to 1,84,94,962 persons and distributed ₹ 6,40,49,070 Lakhs as emoluments to employees. Those factories have consumed inputs both industrial and non-industrial in nature, worth ₹ 1,22,89,54,623 Lakhs to produce ₹ 1,44,86,60,228 Lakhs, worth of goods and services valued at ex-factory prices and contributed ₹ 18,80,41,113 Lakhs by way of net value added through manufacturing to the national income.

3.1.3 The input and output have shown growth of 24.40 % and 21.46 % respectively, the net value added grew by 7.56 % and net income grew by 7.14 % in ASI 2022-23 as compared to those estimated as per the previous ASI. This can be seen in the waterfall chart (given at figure 4a) showing the change in absolute value of some related parameters from ASI 2021-22 to 2022-23. Similar chart showing the same set of parameters from 2020-21 to 2021-22 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 exhibited significant growth over the past two consecutive years. The survey results revealed that in 2022-23, a factory with an average investment of ₹ 1,996 Lakhs in fixed capital has provided gainful employment to 90 persons, produced goods and services at ex-factory prices worth ₹ 7,015 Lakhs and contributed ₹ 911 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 2022-23 has, on average, produced an output of ₹ 78,32,729 and contributed ₹ 10,16,715 to the national income by way of net value added through manufacturing. The corresponding averages in the preceding year are respectively ₹ 69,28,207 and ₹ 10,15,561.

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 increased to 2.19 in 2022-23 as compared to the previous year. However, the fixed capital required to produce one unit of ex-factory output has declined to 0.28. The level of efficiency, measured by the ratio of the net value added to gross output has decreased to 0.13. The GVA to fixed capital ratio has declined to 0.53 from 0.55 and the output to input ratio has decreased to 1.18.

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

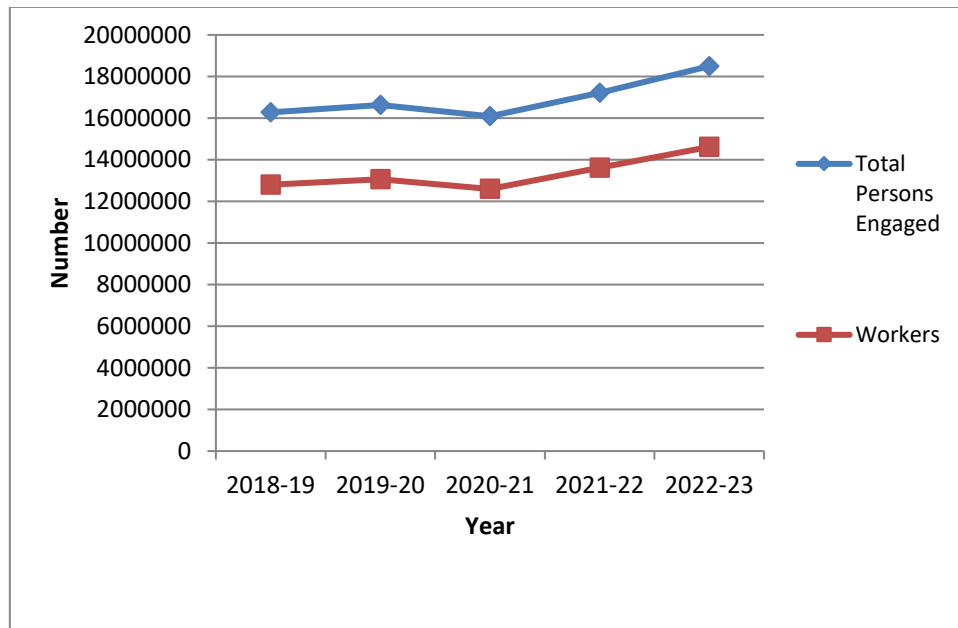


Figure 1 shows that these two parameters behaved in similar manner in the last five years i.e. 2018-19 to 2022-23.

Figure 2: Technical coefficients: All –India

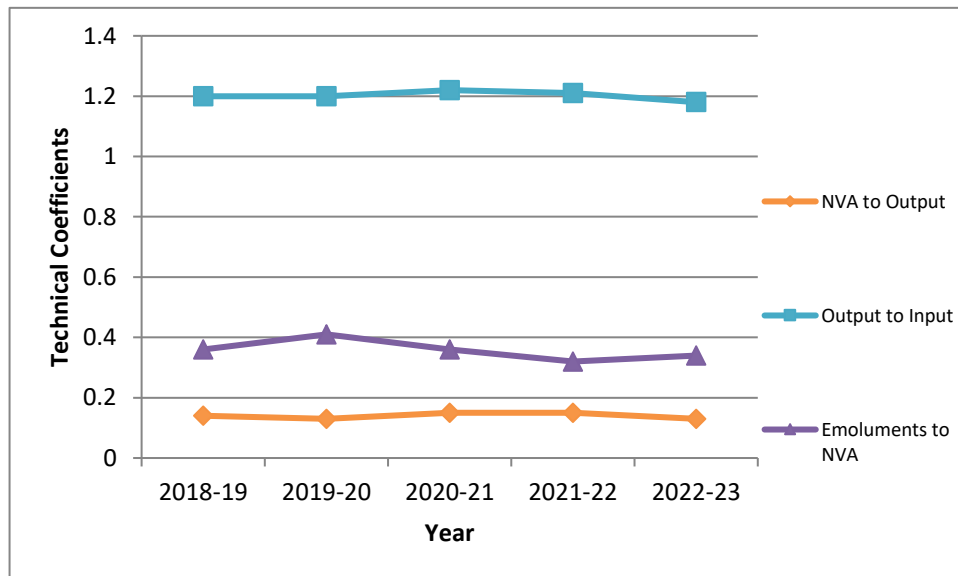


Figure 2 presents some technical coefficients for the last five years i.e. 2018-19 to 2022-23. Here the technical coefficients are estimated on the basis of NVA to output, output to input and emoluments to NVA. From the above figure, it is found that output to input ratio, indicating the industrial efficiency has almost been static over the past few years. Again, NVA to Output and Emoluments to NVA have also remained stable over years.

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

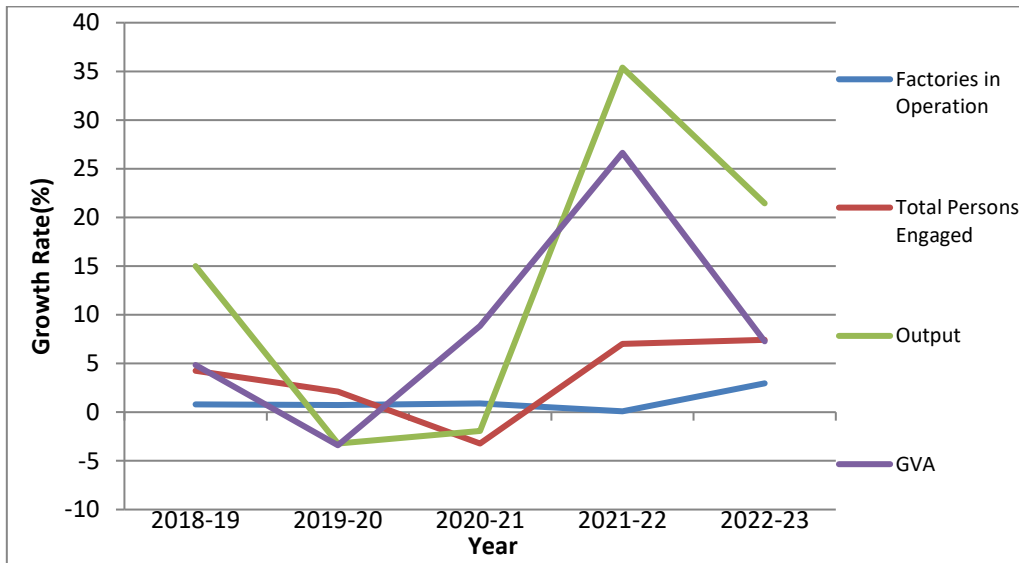


Figure 3 depicts the annual growth rates for Factories in Operation, Total Persons Engaged, Output and GVA for the last five years. All the growth rates in respect of the above-mentioned parameters have increased in 2022-23 as compared to last year in the organized factory sector.

Figure 4a: Waterfall chart showing change in absolute value (in ₹ Lakh) in a few important parameters from 2021-22 to 2022-23: All –India

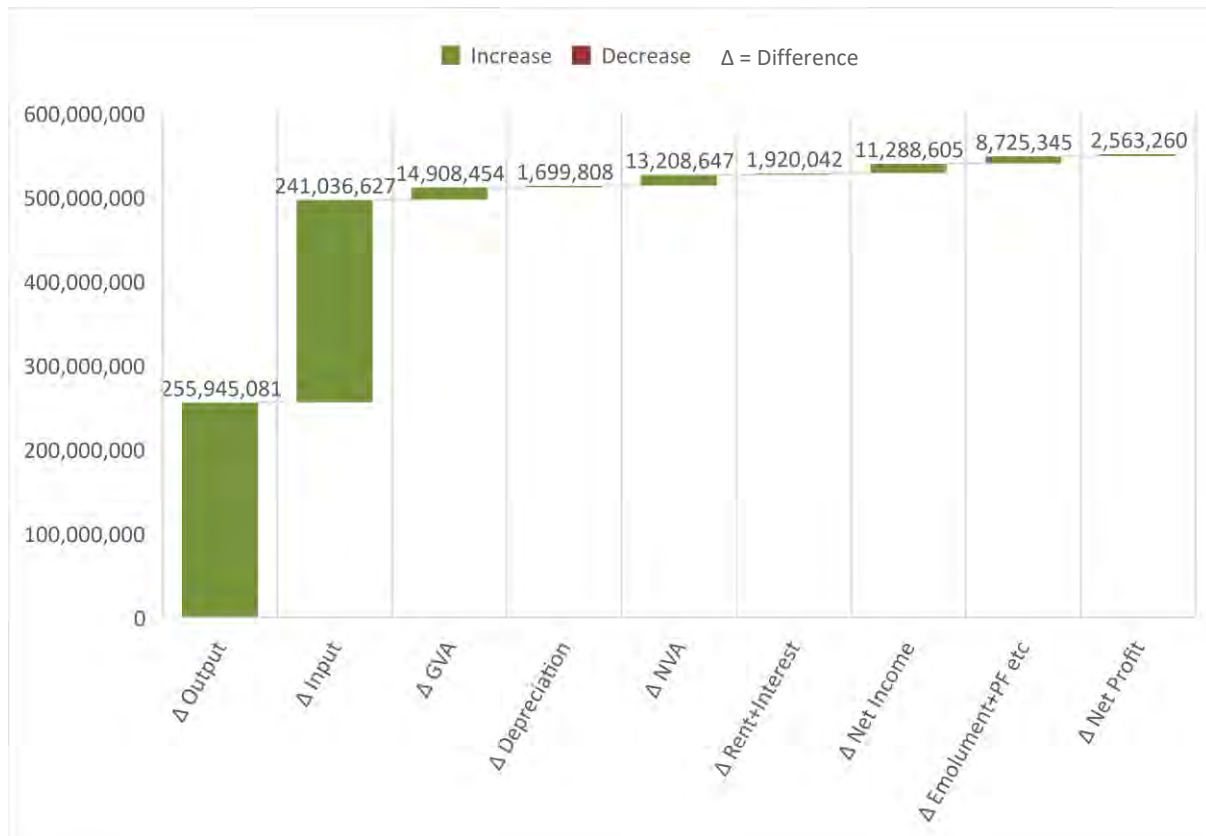
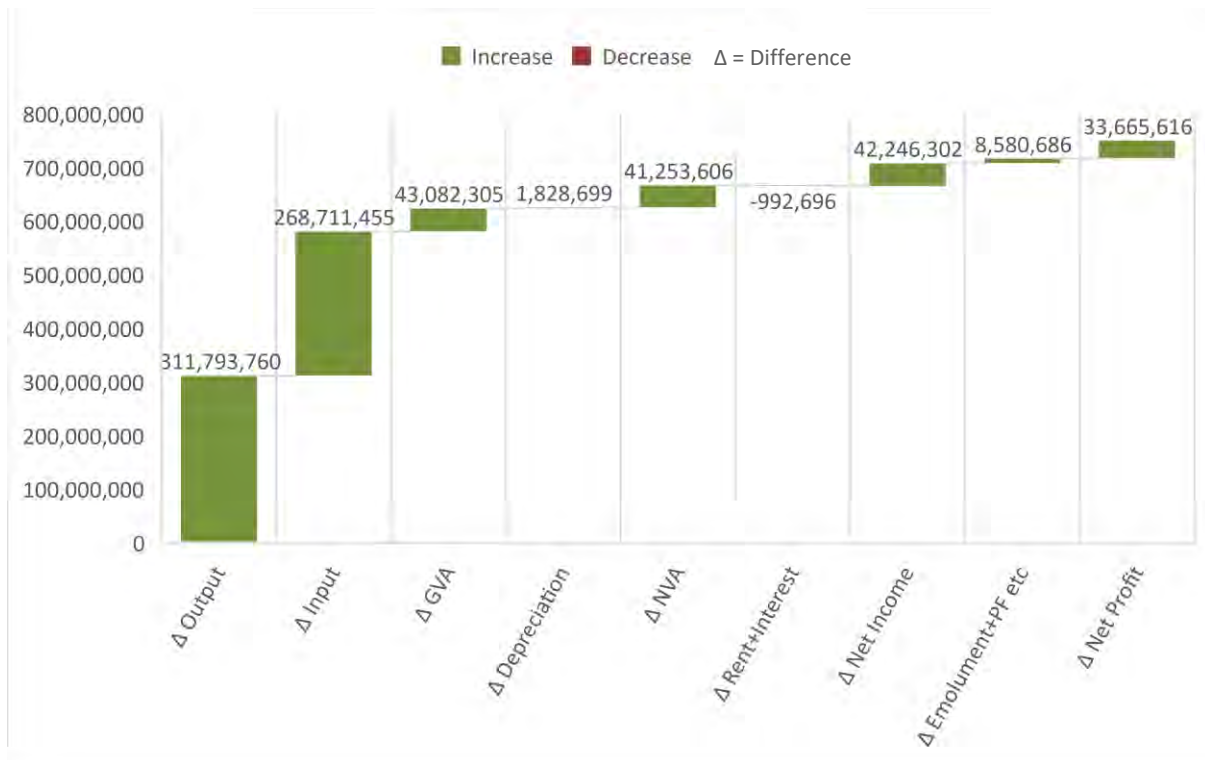


Figure 4b: Waterfall chart showing change in absolute value (in ₹ Lakh) in a few important parameters from 2020-21 to 2021-22: All –India



Statement 3A: Value of Principal Characteristics

Characteristics	Unit	ASI Year				
		2018-19	2019-20	2020-21	2021-22	2022-23
Factories in Operation	Number	197145	198628	200395	200576	206523
Fixed Capital	₹ Lakhs	346606975	364135165	369438562	372635444	412179458
Invested Capital	₹ Lakhs	477726474	497362352	519114310	554493175	613921255
Workers	Number	12798588	13058156	12594563	13609931	14616971
Total Persons Engaged	Number	16280211	16624291	16089700	17215350	18494962
Wages to Worker	₹ Lakhs	21576035	22890520	22261548	26455930	29990380
Total Emoluments	₹ Lakhs	46207983	49172897	48389031	56082801	64049070
Input	₹ Lakhs	774377980	749755617	719206541	987917996	1228954623
Output	₹ Lakhs	928179908	898330129	880921387	1192715147	1448660228
GVA	₹ Lakhs	153801928	148574512	161714846	204797151	219705605
Depreciation	₹ Lakhs	26155291	27309742	28135986	29964685	31664493
NVA	₹ Lakhs	127646637	121264771	133578860	174832466	188041113
Rent Paid for Fixed Assets	₹ Lakhs	512545	471423	481328	506211	565777
Interest Paid	₹ Lakhs	19343714	18549872	17349819	16332239	18192715
Net Income	₹ Lakhs	107790378	102243476	115747714	157994016	169282621
Net Profit	₹ Lakhs	55652258	46947269	61405752	95071368	97634628

Statement 3B: Observed Growth Rate

Characteristics	Percentage Growth			
	2019-20 over 2018-19	2020-21 over 2019-20	2021-22 over 2020-21	2022-23 over 2021-22
Factories in Operation	0.75	0.89	0.09	2.96
Fixed Capital	5.06	1.46	0.87	10.61
Invested Capital	4.11	4.37	6.82	10.72
Workers	2.03	-3.55	8.06	7.40
Total Persons Engaged	2.11	-3.22	7.00	7.43
Wages to Worker	6.09	-2.75	18.84	13.36
Total Emoluments	6.42	-1.59	15.90	14.20
Input	-3.18	-4.07	37.36	24.40
Output	-3.22	-1.94	35.39	21.46
GVA	-3.40	8.84	26.64	7.28
Depreciation	4.41	3.03	6.50	5.67
NVA	-5.00	10.15	30.88	7.56
Rent Paid for Fixed Assets	-8.02	2.10	5.17	11.77
Interest Paid	-4.10	-6.47	-5.87	11.39
Net Income	-5.15	13.21	36.50	7.14
Net Profit	-15.64	30.80	54.82	2.70

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

Structural Ratios	Unit	2018-19	2019-20	2020-21	2021-22	2022-23
Fixed Capital per Factory in Operation	₹ Lakhs	1758	1833	1844	1858	1996
Total Persons Engaged per Factory in Operation	Number	83	84	80	86	90
Workers per Factory in Operation	Number	65	66	63	68	71
Gross Output per Factory in Operation	₹ Lakhs	4708	4523	4396	5946	7015
Net Value Added per Factory in Operation	₹ Lakhs	647	611	667	872	911
Output per Person Engaged	₹	5701277	5403720	5475064	6928207	7832729
Gross Value Added per Person Engaged	₹	944717	893719	1005083	1189619	1187921
Net Value Added per Person Engaged	₹	784060	729443	830213	1015561	1016715
Wages per Worker	₹	168581	175297	176755	194387	205175

Technical Coefficients						
Fixed Capital to Net Value Added		2.72	3.00	2.77	2.13	2.19
Fixed Capital to Output		0.37	0.41	0.42	0.31	0.28
Net Value Added to Output		0.14	0.13	0.15	0.15	0.13
Gross Value Added to Fixed Capital		0.44	0.41	0.44	0.55	0.53
Output to Input		1.20	1.20	1.22	1.21	1.18
Profit to Output		0.06	0.05	0.07	0.08	0.07
Contract Workers to Total Workers		0.38	0.38	0.39	0.40	0.41
Emoluments to Net Value Added		0.36	0.41	0.36	0.32	0.34

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 Coke and Refined Petroleum Products (11.44%), Rubber and Plastics Products (9.31%), Basic Metals (7.63%), Wearing Apparel (7.14%) and Food Products (6.84%). Figures within the bracket denote the percentage share in the total number of persons engaged by the industry. Thus, the above five industries engaged 42.36% of the total manpower in the factory sector. Figure 5a shows the manufacturing employment by major industry divisions (NIC 10-32) in 2022-23.

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 and Botanical Products, Food Products, Motor Vehicles, Trailers and Semi-Trailers and Coke and Refined Petroleum Products. They contributed a total of 52.65% of aggregate GVA with individual shares of 11.57%, 9.83%, 8.70%, 8.07%, 7.34% and 7.14% respectively. The above six industries also accounted for 58.63% 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

Structural Ratio	Minimum Value	Maximum Value	Average Value
Fixed Capital per Factory in Operation (₹ Lakhs)	236 (NIC 12 -TOBACCO PRODUCTS)	36,884 (NIC 19 -COKE AND REFINED PETROLEUM PRODUCTS)	1,996
Gross Output per Factory in Operation (₹ Lakhs)	1,008 (NIC 16 -WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE)	1,28,124 (NIC 19 -COKE AND REFINED PETROLEUM PRODUCTS)	7,015
Net Value Added per Factory in Operation (₹ Lakhs)	140 (NIC 16 -WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE)	10,600 (NIC 19 -COKE AND REFINED PETROLEUM PRODUCTS)	911
Workers per Factory in Operation (Number)	20 (NIC 16 -WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE)	183 (NIC 29 -MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS)	71
Total Persons Engaged per Factory in Operation (Number)	26 (NIC 16 -WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE)	227 (NIC 29 -MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS)	90
Net Value Added per Engaged Person (₹)	3,72,123 (NIC 15 -LEATHER AND RELATED PRODUCTS)	99,49,771 (NIC 19 -COKE AND REFINED PETROLEUM PRODUCTS)	10,16,715
Wages per Worker (₹)	54,838 (NIC 12 -TOBACCO PRODUCTS)	3,86,187 (NIC 19 -COKE AND REFINED PETROLEUM PRODUCTS)	2,05,175

Figure 5a: Total Number of Persons Engaged (in Thousand) by major industry division: All –India

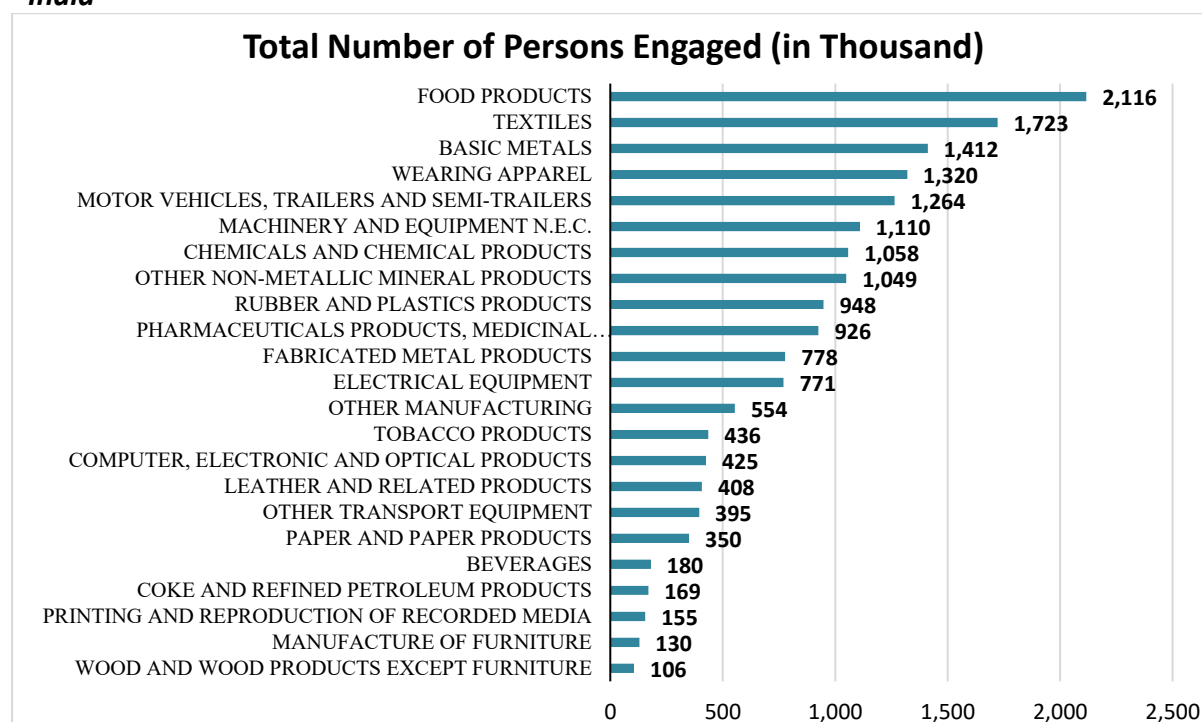
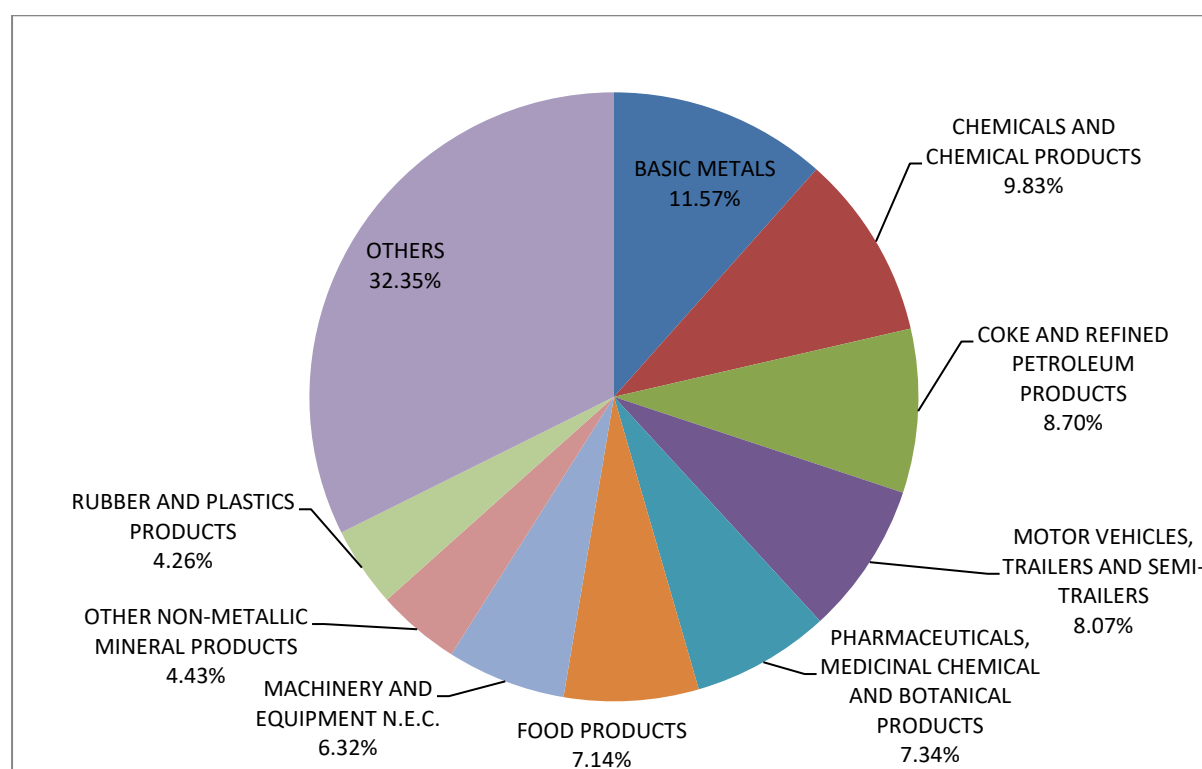


Figure 5b: Percentage Share of Major Industries in Aggregate GVA by the Factory Sector: All –India



Statement 5A: Estimate of Some Principal Characteristics by 2-digit Level of NIC

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	10201	72499630	10279812	100814393	77506275	1411577	189899955	215324344	25424390	20659296	11.57
20	CHEMICALS AND CHEMICAL PRODUCTS	11749	40015893	17030711	56751115	43273599	1058217	109965969	131560303	21594334	18828694	9.83
19	COKE AND REFINED PETROLEUM PRODUCTS	1585	58460770	3396406	75487912	54719833	168852	183973370	203077054	19103684	16800387	8.70
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	5563	23524757	9792842	34355828	32245682	1264272	95550379	113286909	17736530	14351291	8.07
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4893	17156152	15430003	27958474	14855879	925811	31447941	47570542	16122601	14565019	7.34
10	FOOD PRODUCTS	34479	30016548	16569923	57137369	23879812	2116320	163341653	179037771	15696117	13214788	7.14
28	MACHINERY AND EQUIPMENT N.E.C.	11624	12684267	14432022	25662484	11094427	1109876	52293484	66169885	13876402	12526767	6.32
23	OTHER NON-METALLIC MINERAL PRODUCTS	23572	25563976	6371053	33120993	25615396	1049399	36686560	46412041	9725481	7726350	4.43
OT	OTHER INDUSTRIES	12273	41674546	3807803	44812562	46711336	527317	33251992	42956775	9704783	7315193	4.42
22	RUBBER AND PLASTICS PRODUCTS	12466	16352040	4738102	23785124	17430255	948210	43608716	52961306	9352590	7730096	4.26
13	TEXTILES	13979	19610819	7431205	28538837	23400500	1722672	47421418	56473072	9051655	7487102	4.12
27	ELECTRICAL EQUIPMENT	6637	8927130	9137726	17810142	7576360	770531	45994414	54769789	8775375	7866666	3.99
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	13204	6973141	10647453	16216951	5456894	777563	28637085	35494418	6857333	6191210	3.12
30	OTHER TRANSPORT EQUIPMENT	1955	5267222	2721164	8081777	4963651	395069	23416141	29189018	5772878	5135141	2.63
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1899	5764978	5931516	12829411	4688035	425174	37701360	43462986	5761627	4998536	2.62
14	WEARING APPAREL	9122	3934998	5143789	7968826	1966234	1320172	17116112	22562065	5445953	5068790	2.48
32	OTHER MANUFACTURING	3590	2965969	5679051	9113023	2200350	554033	28172748	32342937	4170189	3860093	1.90
17	PAPER AND PAPER PRODUCTS	5948	7272902	2211807	10464335	7873310	350482	18154591	21955337	3800746	3192697	1.73
11	BEVERAGES	1897	5245618	1992566	7290329	4666315	180334	10668232	13743369	3075138	2676780	1.40
12	TOBACCO PRODUCTS	2377	561040	783882	1629405	581800	435988	3548562	5687274	2138713	2082158	0.97
15	LEATHER AND RELATED PRODUCTS	3676	1613495	1078064	3053205	1015325	407753	5992784	7670507	1677724	1517342	0.76
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	3366	1441191	1144716	2024763	1519311	155178	3467201	4866365	1399164	1222801	0.64
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	2625	745196	1548762	2519583	394753	83315	8041415	8896026	854611	776042	0.39
31	MANUFACTURE OF FURNITURE	2145	1397858	522208	2161543	761743	129801	3218037	4000124	782088	682982	0.36
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	4052	1002937	723616	1933363	661535	105575	3422194	4083458	661263	568804	0.30
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	544	522820	337110	664915	183121	37202	807787	1256953	449166	395344	0.20
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	677	613739	593164	1186061	271552	32977	2440801	2781730	340929	288131	0.16
58	PUBLISHING ACTIVITIES	299	303587	44964	457321	520818	23363	579139	851092	271952	238310	0.12
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	125	66239	37490	91212	76289	7928	134585	216776	82192	74304	0.04
	ALL INDUSTRIES	206523	412179458	159558931	613921255	416110392	18494962	1228954623	1448660228	219705605	188041113	100.00

**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	4.94	17.59	6.44	16.42	18.63	7.63	15.45	14.86	11.57	10.99
20	CHEMICALS AND CHEMICAL PRODUCTS	5.69	9.71	10.67	9.24	10.40	5.72	8.95	9.08	9.83	10.01
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	0.77	14.18	2.13	12.30	13.15	0.91	14.97	14.02	8.70	8.93
10	FOOD PRODUCTS	2.69	5.71	6.14	5.60	7.75	6.84	7.77	7.82	8.07	7.63
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2.37	4.16	9.67	4.55	3.57	5.01	2.56	3.28	7.34	7.75
19	COKE AND REFINED PETROLEUM PRODUCTS	16.69	7.28	10.38	9.31	5.74	11.44	13.29	12.36	7.14	7.03
28	MACHINERY AND EQUIPMENT N.E.C.	5.63	3.08	9.04	4.18	2.67	6.00	4.26	4.57	6.32	6.66
13	TEXTILES	11.41	6.20	3.99	5.39	6.16	5.67	2.99	3.20	4.43	4.11
23	OTHER NON-METALLIC MINERAL PRODUCTS	5.94	10.11	2.39	7.30	11.23	2.85	2.71	2.97	4.42	3.89
OT	OTHER INDUSTRIES	6.04	3.97	2.97	3.87	4.19	5.13	3.55	3.66	4.26	4.11
22	RUBBER AND PLASTICS PRODUCTS	6.77	4.76	4.66	4.65	5.62	9.31	3.86	3.90	4.12	3.98
27	ELECTRICAL EQUIPMENT	3.21	2.17	5.73	2.90	1.82	4.17	3.74	3.78	3.99	4.18
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	6.39	1.69	6.67	2.64	1.31	4.20	2.33	2.45	3.12	3.29
30	OTHER TRANSPORT EQUIPMENT	0.95	1.28	1.71	1.32	1.19	2.14	1.91	2.01	2.63	2.73
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	0.92	1.40	3.72	2.09	1.13	2.30	3.07	3.00	2.62	2.66
14	WEARING APPAREL	4.42	0.95	3.22	1.30	0.47	7.14	1.39	1.56	2.48	2.70
32	OTHER MANUFACTURING	1.74	0.72	3.56	1.48	0.53	3.00	2.29	2.23	1.90	2.05
17	PAPER AND PAPER PRODUCTS	2.88	1.76	1.39	1.70	1.89	1.90	1.48	1.52	1.73	1.70
11	BEVERAGES	0.92	1.27	1.25	1.19	1.12	0.98	0.87	0.95	1.40	1.42
12	TOBACCO PRODUCTS	1.15	0.14	0.49	0.27	0.14	2.36	0.29	0.39	0.97	1.11
15	LEATHER AND RELATED PRODUCTS	1.78	0.39	0.68	0.50	0.24	2.20	0.49	0.53	0.76	0.81
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	1.63	0.35	0.72	0.33	0.37	0.84	0.28	0.34	0.64	0.65
31	MANUFACTURE OF FURNITURE	1.27	0.18	0.97	0.41	0.09	0.45	0.65	0.61	0.39	0.41
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	1.04	0.34	0.33	0.35	0.18	0.70	0.26	0.28	0.36	0.36
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR	1.96	0.24	0.45	0.31	0.16	0.57	0.28	0.28	0.30	0.30
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	0.26	0.13	0.21	0.11	0.04	0.20	0.07	0.09	0.20	0.21
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	0.33	0.15	0.37	0.19	0.07	0.18	0.20	0.19	0.16	0.15
58	PUBLISHING ACTIVITIES	0.14	0.07	0.03	0.07	0.13	0.13	0.05	0.06	0.12	0.13
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	0.06	0.02	0.02	0.01	0.02	0.04	0.01	0.01	0.04	0.04
	ALL INDUSTRIES	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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)	284	32	25	3389	296	10677580	1025759	931455	157570
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	530	63	55	1734	594	2734309	1036731	937235	136184
10	FOOD PRODUCTS	871	61	47	5193	383	8459863	741670	624423	168359
11	BEVERAGES	2765	95	76	7245	1411	7621064	1705246	1484346	206367
12	TOBACCO PRODUCTS	236	183	177	2393	876	1304457	490544	477572	54838
13	TEXTILES	1403	123	105	4040	536	3278225	525443	434621	172737
14	WEARING APPAREL	431	145	126	2473	556	1709025	412518	383949	157757
15	LEATHER AND RELATED PRODUCTS	439	111	93	2087	413	1881165	411456	372123	168579
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	248	26	20	1008	140	3867827	626344	538768	156656
17	PAPER AND PAPER PRODUCTS	1223	59	47	3691	537	6264327	1084434	910945	191643
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	428	46	31	1446	363	3135989	901651	787999	217455
19	COKE AND REFINED PETROLEUM PRODUCTS	36884	107	81	128124	10600	120269262	11313863	9949771	386187
20	CHEMICALS AND CHEMICAL PRODUCTS	3406	90	67	11198	1603	12432261	2040634	1779285	228811
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	3506	189	122	9722	2977	5138256	1741457	1573217	274274
22	RUBBER AND PLASTICS PRODUCTS	1312	76	61	4248	620	5585398	986342	815230	199160
23	OTHER NON-METALLIC MINERAL PRODUCTS	1085	45	36	1969	328	4422726	926767	736264	161307
24	BASIC METALS	7107	138	114	21108	2025	15254169	1801134	1463561	276501
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	528	59	46	2688	469	4564829	881901	796233	216553
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	3036	224	173	22887	2632	10222400	1355122	1175645	231095
27	ELECTRICAL EQUIPMENT	1345	116	90	8252	1185	7108058	1138874	1020941	223854
28	MACHINERY AND EQUIPMENT N.E.C.	1091	95	69	5693	1078	5961917	1250266	1128664	245256
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	4229	227	183	20364	2580	8960644	1402905	1135143	253288
30	OTHER TRANSPORT EQUIPMENT	2694	202	160	14930	2627	7388334	1461233	1299809	238442
31	MANUFACTURE OF FURNITURE	652	61	46	1865	318	3081736	602528	526176	193875
32	OTHER MANUFACTURING	826	154	124	9009	1075	5837728	752697	696726	208067
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	961	68	52	2311	727	3378724	1207371	1062696	334574
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	907	49	38	4109	426	8435364	1033839	873733	181535
58	PUBLISHING ACTIVITIES	1015	78	39	2846	797	3642905	1164029	1020032	299618
	OTHER INDUSTRIES	3396	43	31	3500	596	8146291	1840408	1387248	207666
	ALL INDUSTRIES	1996	90	71	7015	911	7832729	1187921	1016715	205175

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.

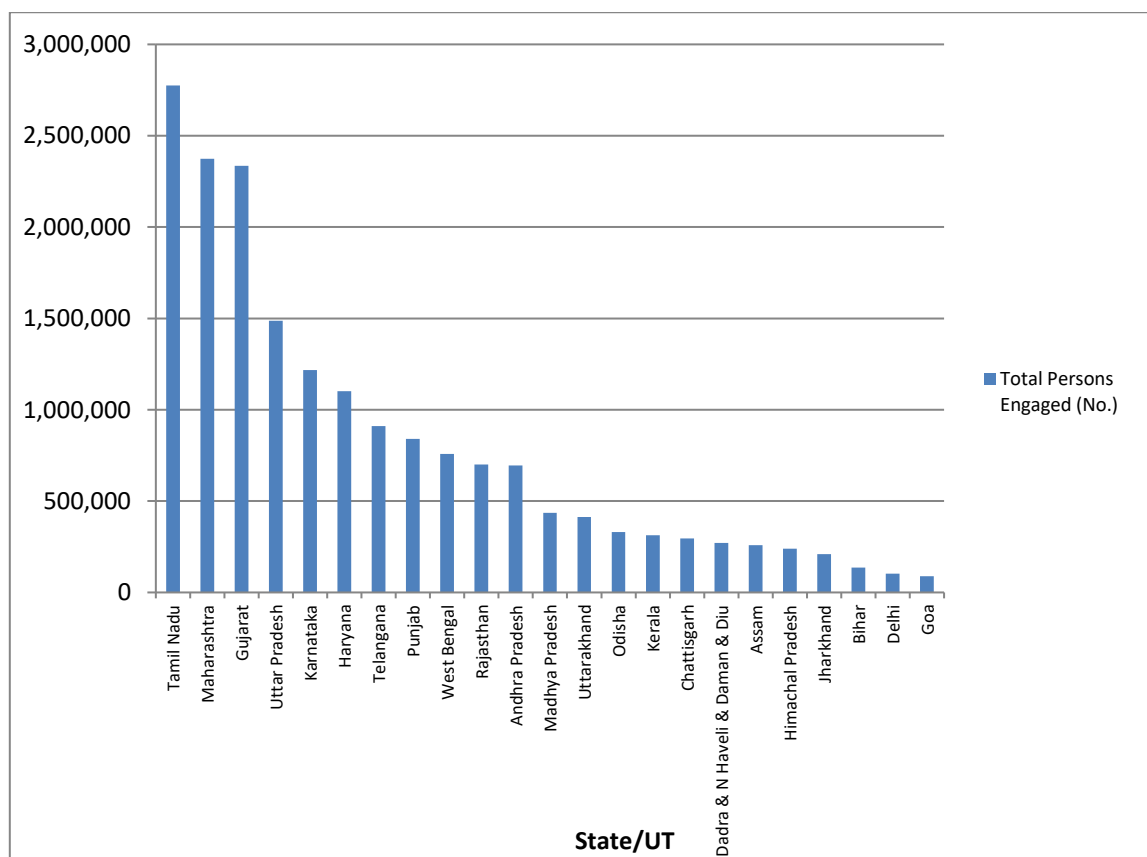
5.1.2 In 2022-23, the number of operating factories is reported highest in Tamil Nadu (15.26%) followed by Gujarat (12.01%). Gujarat's share is the highest in respect of aggregates Gross Value of Plant and Machinery (20.22%), Fixed Capital (19.64%), Invested Capital (18.69%), Total Input (18.25%) and Total Output (17.72%). Maharashtra occupies the first position by virtue of its contribution to Total Emoluments (17.48%), Net Value Added (16.66%), Gross Value Added (16.33%) and Working Capital (14.74%). In terms of contribution to net value added, Maharashtra is followed by Gujarat (14.55%), Tamil Nadu (10.26%), Karnataka (7.13%) and Uttar Pradesh (6.15%) in that order.

5.2 Structural Ratios

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

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

Structural Ratio	Minimum Value	Maximum Value	Average Value
Fixed Capital per Factory in Operation (₹ Lakhs)	26 (Mizoram)	11,713 (Odisha)	1,996
Gross Output per Factory in Operation (₹ Lakhs)	38 (Mizoram)	34,388 (Sikkim)	7,015
Net Value Added per Factory in Operation (₹ Lakhs)	7 (Ladakh)	14,499 (Sikkim)	911
Workers per Factory in Operation (Number)	5 (Mizoram)	255 (Sikkim)	71
Total Persons Engaged per Factory in Operation (Number)	6 (Mizoram)	309 (Sikkim)	90
Net Value Added per Person Engaged (₹)	28,217 (Ladakh)	46,91,268 (Sikkim)	10,16,715
Wages per Worker (₹)	57,420 (Tripura)	3,16,769 (Jharkhand)	2,05,175

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	20739	49344384	23515682	80411778	52718207	2374711	11192825	176341492	212224196	35882704	31327405	16.33
Gujarat	24811	80968475	23507187	114751398	84117367	2334636	8273334	224291697	256773305	32481608	27356493	14.78
Tamil Nadu	31517	32694850	19901696	53545616	33673757	2774849	8298972	121740709	144425898	22685189	19285895	10.33
Karnataka	11391	25137548	11482236	37667807	25242778	1216426	4930209	73934231	89406276	15472045	13412324	7.04
Uttar Pradesh	16263	22871283	14413558	39901697	22310481	1486458	4792444	88514286	101883729	13369443	11560269	6.09
Haryana	7935	16273719	8576550	26746599	16045744	1100915	4205712	76110474	88027024	11916549	10326615	5.42
Andhra Pradesh	12247	22523108	5715757	31864439	20249611	695020	2328018	52317308	61386723	9069415	7413989	4.13
Rajasthan	9567	17630473	9741373	25140586	18178935	700704	2390589	47664352	56701805	9037454	7650257	4.11
Telangana	10700	11555655	8322429	18782133	10437790	911083	2455978	29431244	36833177	7401932	6446517	3.37
West Bengal	8881	14176422	5803954	22327368	14980250	758004	2210212	53472513	60684941	7212428	6096394	3.28
Madhya Pradesh	4529	19139327	2829054	25092328	21565377	436270	1451403	35978436	43012153	7033717	5618243	3.20
Odisha	2835	33207116	1008505	40266293	30576349	330687	1280432	43908870	50827910	6919041	5098057	3.15
Punjab	11375	11673588	6184203	18801953	11249746	840903	1943304	40228121	46202365	5974244	5218829	2.72
Uttarakhand	2373	8575917	3108355	11449282	10383181	413771	1222927	19821943	25663909	5841966	5335568	2.66
Jharkhand	2224	9359296	704664	12266188	9811595	210239	1053037	21573671	26482598	4908927	4305167	2.23
Himachal Pradesh	1980	5116548	2449342	7332322	5384031	239917	937614	13746651	17845704	4099053	3643298	1.87
Chattisgarh	4403	10179155	272773	14093434	11673468	294845	1022773	27225078	31225801	4000723	3237842	1.82
Kerala	6852	5519625	1983121	8266395	3844982	313589	1013000	21437731	24914103	3476372	3045827	1.58
Dadra & N Haveli & Daman & Diu	1804	3960369	3580399	6653360	4836783	271246	837277	17977285	21090004	3112719	2757690	1.42
Assam	5010	4345796	1391994	6032262	3139638	258320	480103	11604384	14419576	2815192	2512119	1.28
Goa	667	1498845	1549225	2680577	1742184	87898	444397	5246630	6910542	1663912	1517383	0.76
Bihar	2782	3195023	628305	4305482	1448461	135464	264020	12654566	14253608	1599043	1439408	0.73
Sikkim	82	552272	611829	874472	319564	25343	162605	1595934	2819807	1223874	1188908	0.56
Jammu and Kashmir	838	555348	739062	1190500	507865	62172	166456	2837639	3611375	773736	721917	0.35
Delhi	2181	807078	772265	1429326	387790	102492	375345	4673073	5347875	674802	600600	0.31
Puducherry	639	646215	427198	1059565	752102	53578	190073	3010828	3660274	649446	583105	0.30
Meghalaya	178	375910	186791	530506	421812	12760	47362	863517	1089359	225842	183194	0.10
Chandigarh	177	143136	90655	218992	55826	9010	38249	360657	442414	81757	70898	0.04
Tripura	688	50778	9342	88318	13625	24662	17591	162469	206176	43707	38454	0.02
Arunachal Pradesh	186	50340	27286	73615	20265	4341	9011	109211	139955	30744	25229	0.01
Manipur	235	20041	8263	31145	6148	6726	6915	53697	66783	13086	10758	0.01
Nagaland	191	17142	10119	25704	10488	5764	4265	45539	56767	11229	10050	0.01
Mizoram	204	5307	3333	7077	2628	1322	1042	5412	7781	2369	1731	0.00
Ladakh	26	7844	2338	9601	26	645	1075	12104	12779	676	182	0.00
A&N Islands	13	1529	88	3137	1537	192	502	2870	3535	664	498	0.00
All India	206523	412179458	159558931	613921255	416110392	18494962	64049070	1228954623	1448660228	219705605	188041113	100.00

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	10.04	11.97	14.74	13.10	12.67	12.84	17.48	14.35	14.65	16.33	16.66
Gujarat	12.01	19.64	14.73	18.69	20.22	12.62	12.92	18.25	17.72	14.78	14.55
Tamil Nadu	15.26	7.93	12.47	8.72	8.09	15.00	12.96	9.91	9.97	10.33	10.26
Karnataka	5.52	6.10	7.20	6.14	6.07	6.58	7.70	6.02	6.17	7.04	7.13
Uttar Pradesh	7.87	5.55	9.03	6.50	5.36	8.04	7.48	7.20	7.03	6.09	6.15
Haryana	3.84	3.95	5.38	4.36	3.86	5.95	6.57	6.19	6.08	5.42	5.49
Odisha	5.93	5.46	3.58	5.19	4.87	3.76	3.63	4.26	4.24	4.13	3.94
Rajasthan	4.63	4.28	6.11	4.10	4.37	3.79	3.73	3.88	3.91	4.11	4.07
Andhra Pradesh	5.18	2.80	5.22	3.06	2.51	4.93	3.83	2.39	2.54	3.37	3.43
Telangana	4.30	3.44	3.64	3.64	3.60	4.10	3.45	4.35	4.19	3.28	3.24
West Bengal	2.19	4.64	1.77	4.09	5.18	2.36	2.27	2.93	2.97	3.20	2.99
Madhya Pradesh	1.37	8.06	0.63	6.56	7.35	1.79	2.00	3.57	3.51	3.15	2.71
Punjab	5.51	2.83	3.88	3.06	2.70	4.55	3.03	3.27	3.19	2.72	2.78
Uttarakhand	1.15	2.08	1.95	1.86	2.50	2.24	1.91	1.61	1.77	2.66	2.84
Jharkhand	1.08	2.27	0.44	2.00	2.36	1.14	1.64	1.76	1.83	2.23	2.29
Chattisgarh	0.96	1.24	1.54	1.19	1.29	1.30	1.46	1.12	1.23	1.87	1.94
Himachal Pradesh	2.13	2.47	0.17	2.30	2.81	1.59	1.60	2.22	2.16	1.82	1.72
Dadra & N Haveli & Daman & Diu	3.32	1.34	1.24	1.35	0.92	1.70	1.58	1.74	1.72	1.58	1.62
Kerala	0.87	0.96	2.24	1.08	1.16	1.47	1.31	1.46	1.46	1.42	1.47
Assam	2.43	1.05	0.87	0.98	0.75	1.40	0.75	0.94	1.00	1.28	1.34
Goa	0.32	0.36	0.97	0.44	0.42	0.48	0.69	0.43	0.48	0.76	0.81
Bihar	1.35	0.78	0.39	0.70	0.35	0.73	0.41	1.03	0.98	0.73	0.77
Sikkim	0.04	0.13	0.38	0.14	0.08	0.14	0.25	0.13	0.19	0.56	0.63
Jammu and Kashmir	0.41	0.13	0.46	0.19	0.12	0.34	0.26	0.23	0.25	0.35	0.38
Puducherry	1.06	0.20	0.48	0.23	0.09	0.55	0.59	0.38	0.37	0.31	0.32
Delhi	0.31	0.16	0.27	0.17	0.18	0.29	0.30	0.24	0.25	0.30	0.31
Meghalaya	0.09	0.09	0.12	0.09	0.10	0.07	0.07	0.07	0.08	0.10	0.10
Chandigarh	0.09	0.03	0.06	0.04	0.01	0.05	0.06	0.03	0.03	0.04	0.04
Tripura	0.33	0.01	0.01	0.01	0.00	0.13	0.03	0.01	0.01	0.02	0.02
Arunachal Pradesh	0.09	0.01	0.02	0.01	0.00	0.02	0.01	0.01	0.01	0.01	0.01
Manipur	0.11	0.00	0.01	0.01	0.00	0.04	0.01	0.00	0.00	0.01	0.01
Nagaland	0.09	0.00	0.01	0.00	0.00	0.03	0.01	0.00	0.00	0.01	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All India	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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	19420	46925580	22800646	77255290	49897432	2306066	10953429	171419805	206451649	35031844	30646045	16.76
Gujarat	23274	75304598	22792883	108203198	77231554	2274122	8087650	212820161	243743491	30923331	26071620	14.79
Tamil Nadu	29517	30444749	19340568	50991887	30989428	2720055	8152993	119924497	141950241	22025743	18765229	10.54
Karnataka	10107	23182008	11372591	35440519	23467588	1166555	4777866	72022095	86889551	14867457	12904608	7.11
Uttar Pradesh	14547	19467165	13285918	36143675	18460922	1423119	4567835	82791848	95020086	12228239	10632728	5.85
Haryana	7626	15493323	8368255	25806786	15172603	1079068	4134019	74785015	86401571	11616555	10101307	5.56
Andhra Pradesh	11069	21274793	5484419	30493860	19214740	659038	2250126	51546875	60365299	8818424	7257445	4.22
Rajasthan	9070	12268329	9603391	19665599	13102501	676290	2317102	46397624	54893261	8495637	7269649	4.06
West Bengal	8279	13152782	5842803	21215850	13715866	736551	2142139	52860414	59745315	6884900	5866773	3.29
Telangana	9517	9679242	7504690	16168356	8479919	856893	2307474	27308091	33976974	6668883	5832016	3.19
Odisha	2689	31647958	927503	38556113	28503197	319540	1243104	42952286	49518177	6565890	4846028	3.14
Punjab	10921	11241763	6133854	18285442	10896993	822059	1898066	39328314	45180160	5851846	5123085	2.80
Uttarakhand	2309	7113998	3194662	9955524	9021104	407496	1174100	19566348	25048309	5481961	5048455	2.62
Madhya Pradesh	4061	10164971	2605272	15581738	10593002	404345	1314320	32347314	37776219	5428905	4591808	2.60
Jharkhand	2023	9001661	622388	11867839	9383851	202541	1033079	21312592	26118240	4805648	4218414	2.30
Chattisgarh	4217	9649808	222738	13495689	11082254	285931	996191	26672642	30568725	3896083	3154387	1.86
Himachal Pradesh	1850	2885388	2338001	5088377	3094607	232256	895280	13670060	17186391	3516331	3198670	1.68
Kerala	6017	5097030	1896439	7763646	3304588	285418	938741	20592676	23923548	3330872	2930660	1.59
Dadra & N Haveli & Daman & Diu	1804	3960369	3580399	6653360	4836783	271246	837277	17977285	21090004	3112719	2757690	1.49
Assam	4879	4252751	1346423	5915256	3082737	254742	472603	11510067	14278656	2768589	2470723	1.32
Goa	610	1448505	1521164	2624369	1680149	84677	433970	5198005	6844490	1646485	1502026	0.79
Bihar	2544	3065317	570285	4150142	1344064	127672	249298	12083486	13612623	1529137	1388870	0.73
Sikkim	80	551923	611559	873970	319564	25278	162466	1595567	2819246	1223678	1188742	0.59
Jammu and Kashmir	816	514707	738422	1135797	498282	59152	156856	2814253	3569326	755074	705953	0.36
Puducherry	614	636487	429381	1048933	746637	52423	187940	2997834	3641541	643707	577739	0.31
Delhi	1869	637260	707084	1198662	297758	82170	310458	3545033	4100672	555638	500490	0.27
Meghalaya	168	357914	184615	509751	400912	12176	46024	834918	1056314	221397	179989	0.11
Chandigarh	151	127176	84386	184888	54740	7347	32802	289549	360845	71296	61640	0.03
Tripura	655	47593	7775	80598	13241	24007	16441	154349	196245	41896	36979	0.02
Arunachal Pradesh	184	49736	26828	73012	20265	4325	8975	107217	137699	30482	25036	0.01
Manipur	229	19421	8359	30315	6148	6547	6613	53158	65732	12574	10285	0.01
Nagaland	168	15259	6886	21401	10418	5380	3776	32276	42142	9867	8775	0.00
Mizoram	186	5103	3222	6856	2628	1194	955	5302	7490	2188	1574	0.00
A&N Islands	9	1260	-779	2059	1537	129	355	2285	2778	493	345	0.00
Ladakh	22	7548	1845	9139	3	594	877	7390	7641	251	-206	0.00
All India	191501	369693476	154164876	566497898	368928013	17876402	62111198	1187526632	1396590651	209064019	179875574	100.00

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	10.14	12.69	14.79	13.64	13.52	12.90	17.64	14.44	14.78	16.76	17.04
Gujarat	12.15	20.37	14.78	19.10	20.93	12.72	13.02	17.92	17.45	14.79	14.49
Tamil Nadu	15.41	8.24	12.55	9.00	8.40	15.22	13.13	10.10	10.16	10.54	10.43
Karnataka	5.28	6.27	7.38	6.26	6.36	6.53	7.69	6.06	6.22	7.11	7.17
Uttar Pradesh	7.60	5.27	8.62	6.38	5.00	7.96	7.35	6.97	6.80	5.85	5.91
Haryana	3.98	4.19	5.43	4.56	4.11	6.04	6.66	6.30	6.19	5.56	5.62
Odisha	5.78	5.75	3.56	5.38	5.21	3.69	3.62	4.34	4.32	4.22	4.03
Rajasthan	4.74	3.32	6.23	3.47	3.55	3.78	3.73	3.91	3.93	4.06	4.04
Andhra Pradesh	4.32	3.56	3.79	3.75	3.72	4.12	3.45	4.45	4.28	3.29	3.26
West Bengal	4.97	2.62	4.87	2.85	2.30	4.79	3.72	2.30	2.43	3.19	3.24
Telangana	1.40	8.56	0.60	6.81	7.73	1.79	2.00	3.62	3.55	3.14	2.69
Punjab	5.70	3.04	3.98	3.23	2.95	4.60	3.06	3.31	3.24	2.80	2.85
Uttarakhand	1.21	1.92	2.07	1.76	2.45	2.28	1.89	1.65	1.79	2.62	2.81
Madhya Pradesh	2.12	2.75	1.69	2.75	2.87	2.26	2.12	2.72	2.70	2.60	2.55
Jharkhand	1.06	2.43	0.40	2.09	2.54	1.13	1.66	1.79	1.87	2.30	2.35
Chattisgarh	2.20	2.61	0.14	2.38	3.00	1.60	1.60	2.25	2.19	1.86	1.75
Dadra & N Haveli & Daman & Diu	0.97	0.78	1.52	0.90	0.84	1.30	1.44	1.15	1.23	1.68	1.78
Himachal Pradesh	3.14	1.38	1.23	1.37	0.90	1.60	1.51	1.73	1.71	1.59	1.63
Kerala	0.94	1.07	2.32	1.17	1.31	1.52	1.35	1.51	1.51	1.49	1.53
Assam	2.55	1.15	0.87	1.04	0.84	1.43	0.76	0.97	1.02	1.32	1.37
Goa	0.32	0.39	0.99	0.46	0.46	0.47	0.70	0.44	0.49	0.79	0.84
Bihar	1.33	0.83	0.37	0.73	0.36	0.71	0.40	1.02	0.97	0.73	0.77
Sikkim	0.04	0.15	0.40	0.15	0.09	0.14	0.26	0.13	0.20	0.59	0.66
Jammu and Kashmir	0.43	0.14	0.48	0.20	0.14	0.33	0.25	0.24	0.26	0.36	0.39
Puducherry	0.32	0.17	0.28	0.19	0.20	0.29	0.30	0.25	0.26	0.31	0.32
Delhi	0.98	0.17	0.46	0.21	0.08	0.46	0.50	0.30	0.29	0.27	0.28
Meghalaya	0.09	0.10	0.12	0.09	0.11	0.07	0.07	0.07	0.08	0.11	0.10
Chandigarh	0.08	0.03	0.05	0.03	0.01	0.04	0.05	0.02	0.03	0.03	0.03
Tripura	0.34	0.01	0.01	0.01	0.00	0.13	0.03	0.01	0.01	0.02	0.02
Arunachal Pradesh	0.10	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01
Manipur	0.12	0.01	0.01	0.01	0.00	0.04	0.01	0.00	0.00	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All India	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Statement 9A: Some Structural Ratios by State/UT

State/UT	Fixed Capital per Factory in Operation (₹ Lakhs)	Total Persons Engaged per Factory in Operation (Number)	Workers per Factory in Operation (Number)	Gross Output per Factory in Operation (₹ Lakhs)	Net Value Added per Factory in Operation (₹ Lakhs)	Output per Person Engaged (₹)	Gross Value Added per Person Engaged (₹)	Net Value Added per Person Engaged (₹)	Wages per Worker (₹)
A&N Islands	118	15	11	272	38	1841146	345833	259375	206849
Andhra Pradesh	1839	57	47	5012	605	8832368	1304914	1066730	234881
Arunachal Pradesh	271	23	17	752	136	3224027	708224	581179	103875
Assam	867	52	41	2878	501	5582059	1089808	972483	119275
Bihar	1148	49	41	5124	517	10522063	1180419	1062576	137533
Chandigarh	809	51	33	2500	401	4910255	907403	786881	239040
Chattisgarh	2312	67	55	7092	735	10590582	1356890	1098151	234265
Dadra & N Haveli & Daman & Diu	2195	150	124	11691	1529	7775231	1147563	1016675	182235
Delhi	370	47	33	2452	275	5217846	658395	585997	226951
Goa	2247	132	95	10361	2275	7862001	1893003	1726300	260449
Gujarat	3263	94	73	10349	1103	10998430	1391292	1171767	206294
Haryana	2051	139	110	11094	1301	7995806	1082422	938003	193607
Himachal Pradesh	2584	121	88	9013	1840	7438282	1708530	1518566	223812
Jammu and Kashmir	663	74	58	4310	861	5808684	1244509	1161161	159493
Jharkhand	4208	95	78	11908	1936	12596425	2334927	2047749	316769
Karnataka	2207	107	84	7849	1177	7349915	1271927	1102601	240651
Kerala	806	46	35	3636	445	7944827	1108576	971280	233258
Ladakh	302	25	23	492	7	1981240	104806	28217	101518
Madhya Pradesh	4226	96	75	9497	1241	9859067	1612239	1287790	193537
Maharashtra	2379	115	83	10233	1511	8936843	1511035	1319209	253693
Manipur	85	29	23	284	46	992908	194558	159946	91168
Meghalaya	2112	72	60	6120	1029	8537296	1769922	1435690	185777
Mizoram	26	6	5	38	8	588578	179198	130938	88111
Nagaland	90	30	26	297	53	984854	194813	174358	59419
Odisha	11713	117	98	17929	1798	15370399	2092323	1541656	269859
Puducherry	1011	84	67	5728	913	6831673	1212151	1088329	223502
Punjab	1026	74	60	4062	459	5494375	710456	620622	159833
Rajasthan	1843	73	58	5927	800	8092119	1289768	1091796	206844
Sikkim	6735	309	255	34388	14499	11126571	4829239	4691268	289691
Tamil Nadu	1037	88	72	4582	612	5204820	817529	695025	187436
Telangana	1080	85	72	3442	602	4042791	812432	707566	172401
Tripura	74	36	30	300	56	836007	177224	155924	57420
Uttar Pradesh	1406	91	73	6265	711	6854128	899416	777706	171748
Uttarakhand	3614	174	142	10815	2248	6202443	1411884	1289498	184290
West Bengal	1596	85	66	6833	686	8005887	951503	804269	197266
All India	1996	90	71	7015	911	7832729	1187921	1016715	205175

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

<i>State/UT</i>	<i>Fixed Capital per Factory in Operation</i>	<i>Total Persons Engaged per Factory in Operation</i>	<i>Workers per Factory in Operation</i>	<i>Gross Output per Factory in Operation</i>	<i>Net Value Added per Factory in Operation</i>	<i>Output per Person Engaged</i>	<i>Gross Value Added per Person Engaged</i>	<i>Net Value Added per Person Engaged</i>	<i>Wages per Worker</i>
	<i>(₹ Lakhs)</i>	<i>(Number)</i>	<i>(Number)</i>	<i>(₹ Lakhs)</i>	<i>(₹ Lakhs)</i>	<i>(₹)</i>	<i>(₹)</i>	<i>(₹)</i>	<i>(₹)</i>
A&N Islands	140	14	11	309	38	2153488	382171	267442	202020
Andhra Pradesh	1922	60	49	5454	656	9159608	1338075	1101218	238182
Arunachal Pradesh	270	24	17	748	136	3183792	704786	578867	103730
Assam	872	52	41	2927	506	5605144	1086821	969892	118702
Bihar	1205	50	43	5351	546	10662184	1197707	1087842	137540
Chandigarh	842	49	33	2390	408	4911460	970410	838982	240694
Chhattisgarh	2288	68	56	7249	748	10690945	1362596	1103199	235133
Dadra & N Haveli & Daman & Diu	2195	150	124	11691	1529	7775231	1147563	1016675	182235
Delhi	341	44	31	2194	268	4990473	676205	609091	224670
Goa	2375	139	99	11220	2462	8083057	1944430	1773830	263586
Gujarat	3236	98	76	10473	1120	10718136	1359792	1146448	206867
Haryana	2032	141	113	11330	1325	8007055	1076536	936114	193899
Himachal Pradesh	1560	126	91	9290	1729	7399762	1513989	1377217	220345
Jammu and Kashmir	631	72	57	4374	865	6034159	1276498	1193456	159253
Jharkhand	4450	100	83	12911	2085	12895285	2372679	2082746	321330
Karnataka	2294	115	91	8597	1277	7448389	1274475	1106215	242149
Kerala	847	47	37	3976	487	8381934	1167015	1026796	234560
Ladakh	343	27	25	347	-9	1286364	42256	-34680	79599
Madhya Pradesh	2503	100	77	9302	1131	9342571	1342642	1135616	188751
Maharashtra	2416	119	86	10631	1578	8952547	1519117	1328932	254958
Manipur	85	29	23	287	45	1004002	192057	157095	89956
Meghalaya	2130	72	61	6288	1071	8675378	1818307	1478228	188119
Mizoram	27	6	5	40	8	627303	183250	131826	89091
Nagaland	91	32	28	251	52	783309	183401	163104	57292
Odisha	11769	119	101	18415	1802	15496707	2054794	1516564	271728
Puducherry	1037	85	68	5931	941	6946457	1227910	1102072	224995
Punjab	1029	75	61	4137	469	5495975	711852	623202	159677
Rajasthan	1353	75	59	6052	802	8116823	1256212	1074931	206738
Sikkim	6899	316	261	35241	14859	11152963	4840881	4702674	289835
Tamil Nadu	1031	92	76	4809	636	5218653	809754	689884	187102
Telangana	1017	90	76	3570	613	3965136	778263	680600	171807
Tripura	73	37	31	300	56	817449	174516	154034	55255
Uttar Pradesh	1338	98	78	6532	731	6676890	859256	747143	171723
Uttarakhand	3081	176	144	10848	2186	6146885	1345280	1238897	181212
West Bengal	1589	89	70	7216	709	8111497	934749	796520	197265
All India	1931	93	74	7293	939	7812482	1169497	1006218	205359

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 92.73% of the operating factories covered in ASI 2022-23 are engaged in selected manufacturing activities, 0.65% are engaged in the generation, transmission and distribution of electricity, gas, water supply etc. and the remaining 6.62% 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 9.02% of the total fixed capital as against 1.29% share by the 'other' activities. The selected manufacturing activities account for about 89.69% of the fixed capital. The selected manufacturing sector, consistent with its large number of factories, accounts for 96.41% of the value of total output, which is produced by 96.66% of the total persons engaged. The electricity, gas, water sector contributes about 1.84% to the total output and is produced by 0.50% of the total persons engaged. The corresponding share of the 'other' activities in the value of total output is 1.75% which is produced by 2.84% of the total persons engaged. Of the estimated total net value added by registered manufacturing sector of ₹18,80,41,113 Lakhs, ₹17,98,75,574 Lakhs (95.66%) originate from selected manufacturing activities, ₹ 50,01,609 Lakhs (2.66%) from electricity, gas, water supply, and the remaining ₹ 31,63,929 Lakhs (1.68%) 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	191501	1341	13680	206523
Fixed Capital	₹ Lakhs	369693476	37160884	5325098	412179458
Productive Capital	₹ Lakhs	523858352	39114353	8765684	571738389
Invested Capital	₹ Lakhs	566497898	38628702	8794655	613921255
Workers	Number	14170941	71641	374389	14616971
Total Persons Engaged	Number	17876402	92624	525935	18494962
Wages to Workers	₹ Lakhs	29101276	212196	676909	29990380
Total Emoluments	₹ Lakhs	62111198	503135	1434737	64049070
Total Input	₹ Lakhs	1187526632	19688588	21739402	1228954623
Total Output	₹ Lakhs	1396590651	26697521	25372056	1448660228
GVA	₹ Lakhs	209064019	7008933	3632653	219705605
Depreciation	₹ Lakhs	29188445	2007323	468724	31664493
NVA	₹ Lakhs	179875574	5001609	3163929	188041113
Rent Paid for Fixed Assets	₹ Lakhs	515369	12437	37971	565777
Interest Paid	₹ Lakhs	15845197	1981846	365672	18192715
Net Income	₹ Lakhs	163515007	3007327	2760287	169282621
Net Profit	₹ Lakhs	94015785	2432303	1186541	97634628

**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	92.73	0.65	6.62	100.00
Fixed Capital	89.69	9.02	1.29	100.00
Productive Capital	91.63	6.84	1.53	100.00
Invested Capital	92.28	6.29	1.43	100.00
Workers	96.95	0.49	2.56	100.00
Total Persons Engaged	96.66	0.50	2.84	100.00
Wages to Workers	97.04	0.71	2.26	100.00
Total Emoluments	96.97	0.79	2.24	100.00
Total Input	96.63	1.60	1.77	100.00
Total Output	96.41	1.84	1.75	100.00
GVA	95.16	3.19	1.65	100.00
Depreciation	92.18	6.34	1.48	100.00
NVA	95.66	2.66	1.68	100.00
Rent Paid for Fixed Assets	91.09	2.20	6.71	100.00
Interest Paid	87.10	10.89	2.01	100.00
Income	96.59	1.78	1.63	100.00
Profit	96.29	2.49	1.22	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 2,06,523 factories in operation, 1,35,628 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 (65.68%), it utilizes only 8.76% of the fixed capital, provides employment to 11.97% of the total persons engaged, produces 9.62% of the total output and generates 6.44% of national income in the form of net value added by manufacture. On the other hand, the operating factories, each employing at least 200 employees, constitute 12.76% of the operating factories, utilize 79.05% of the total fixed capital, provide gainful employment to 66.32% of the total persons engaged, produce 74.10% of the total output and generate 79.17% of net value added by manufacture. The very large operating factories, employing 5,000 or more employees each, constitute only 0.40% of the operating factories, however, engage 9.73% of total persons engaged, utilize 20.72% of the fixed capital, produce 17.28% of total output and contribute 15.28% to the net value added.

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

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

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

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

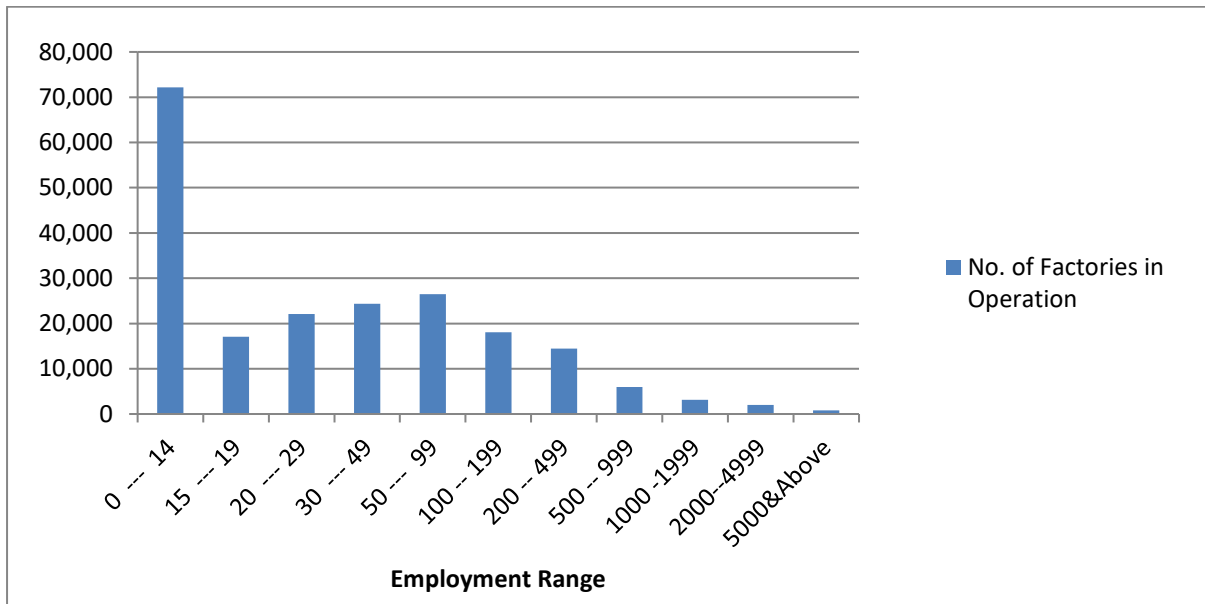
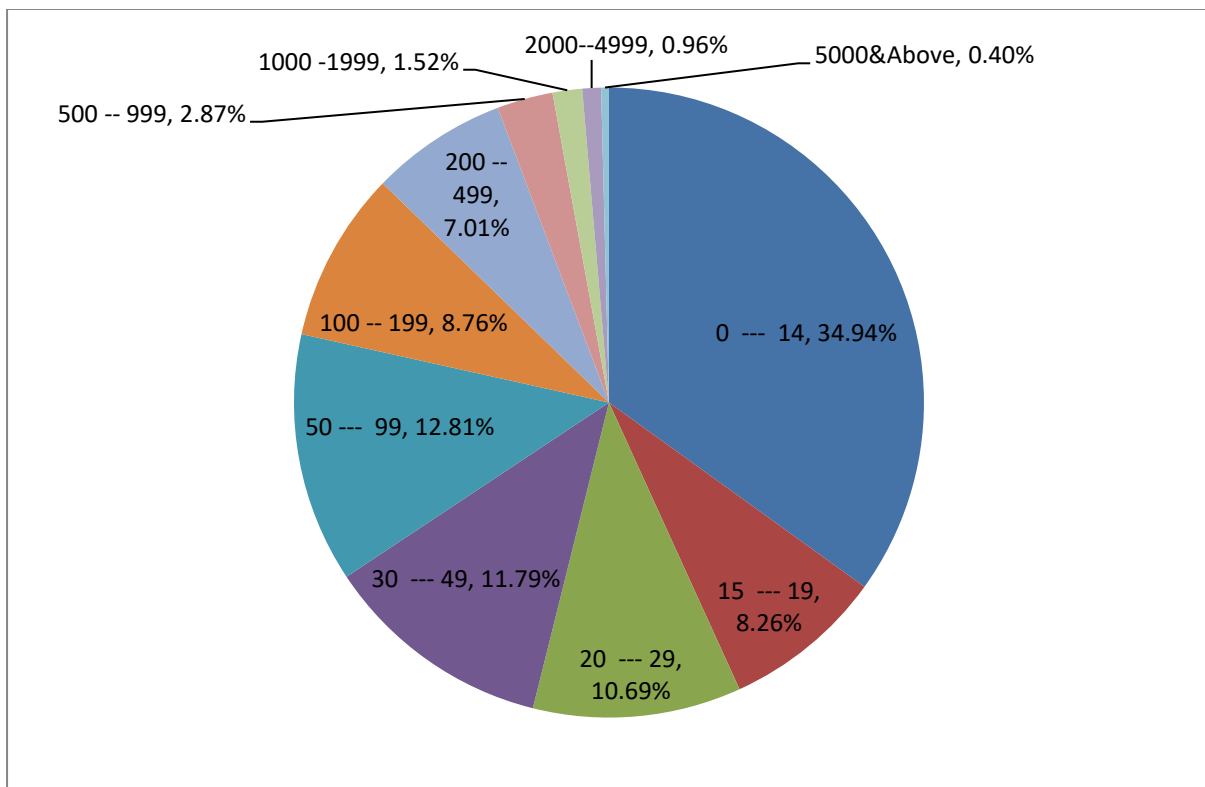


Figure 8: Percentage Distribution of Factories in Operation by Size of Employment: All - India



Statement 11A : Principal Characteristics by Size of Employment

<i>Employment Range</i>	<i>Factories in Operation (Number)</i>	<i>Fixed Capital (₹ Lakhs)</i>	<i>Working Capital (₹ Lakhs)</i>	<i>Productive Capital (₹ Lakhs)</i>	<i>Invested Capital (₹ Lakhs)</i>	<i>Workers (Number)</i>	<i>Total Persons Engaged (Number)</i>	<i>Wages to Workers (₹ Lakhs)</i>
0 --- 14	72161	11328016	9141694	20469710	19807860	326166	496487	435963
15 --- 19	17051	4460441	3790624	8251066	7920102	202404	283799	302467
20 --- 29	22074	8311723	5305651	13617374	13179345	385932	521587	595367
30 --- 49	24342	11996329	7526564	19522893	19214855	695723	913487	1109881
50 --- 99	26464	20076073	13402265	33478338	34087713	1377777	1769898	2224271
100 -- 199	18086	30169674	18199506	48369180	47862903	1779870	2244672	3187570
200 -- 499	14477	52158030	31993588	84151618	86555973	2783586	3514565	5490854
500 -- 999	5934	51295580	23071094	74366674	81060744	2129137	2682982	4664146
1000 -1999	3131	58635667	20626494	79262161	84438897	1810290	2265620	4196659
2000--4999	1982	78346368	16069717	94416085	106031086	1611651	2002271	3898349
5000&Above	820	85401554	10431735	95833289	113761776	1514435	1799593	3884851
Total	206523	412179458	159558931	571738389	613921255	14616971	18494962	29990380

<i>Employment Range</i>	<i>Total Emoluments (₹ Lakhs)</i>	<i>Total Input (₹ Lakhs)</i>	<i>Total Output (₹ Lakhs)</i>	<i>Gross Value Added (₹ Lakhs)</i>	<i>Depreciation (₹ Lakhs)</i>	<i>Net Value Added (₹ Lakhs)</i>	<i>Rent Paid for Fixed Assets (₹ Lakhs)</i>	<i>Interest Paid (₹ Lakhs)</i>
0 --- 14	856203	27605988	30580131	2974143	853901	2120242	22904	737875
15 --- 19	618140	18203324	20229074	2025750	386020	1639729	11935	428690
20 --- 29	1231386	28716982	32339957	3622975	634632	2988343	14991	668900
30 --- 49	2270210	49782234	56139416	6357182	997599	5359583	25514	906032
50 --- 99	4717852	91274760	103883859	12609099	1866321	10742778	38765	1534710
100 -- 199	6530674	113119014	131901860	18782846	2455677	16327169	45395	1834382
200 -- 499	11828351	194826816	230773423	35946608	4435332	31511275	74475	2841559
500 -- 999	10077588	148747775	182089245	33341470	4378552	28962919	65072	2370424
1000 -1999	9349970	149257377	183601221	34343845	4595389	29748455	57400	2134147
2000--4999	8532023	191315393	226740000	35424607	5509723	29914884	32405	2359131
5000&Above	8036674	216104961	250382043	34277082	5551346	28725737	176919	2376863
Total	64049070	1228954623	1448660228	219705605	31664493	188041113	565777	18192715

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	34.94	2.75	5.73	3.58	3.23	2.23	2.68	1.45
15 --- 19	8.26	1.08	2.38	1.44	1.29	1.38	1.53	1.01
20 --- 29	10.69	2.02	3.33	2.38	2.15	2.64	2.82	1.99
30 --- 49	11.79	2.91	4.72	3.41	3.13	4.76	4.94	3.70
50 --- 99	12.81	4.87	8.40	5.86	5.55	9.43	9.57	7.42
100 -- 199	8.76	7.32	11.41	8.46	7.80	12.18	12.14	10.63
200 -- 499	7.01	12.65	20.05	14.72	14.10	19.04	19.00	18.31
500 -- 999	2.87	12.44	14.46	13.01	13.20	14.57	14.51	15.55
1000 -1999	1.52	14.23	12.93	13.86	13.75	12.38	12.25	13.99
2000--4999	0.96	19.01	10.07	16.51	17.27	11.03	10.83	13.00
5000&Above	0.40	20.72	6.54	16.76	18.53	10.36	9.73	12.95
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

<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	1.34	2.25	2.11	1.35	2.70	1.13	4.05	4.06
15 --- 19	0.97	1.48	1.40	0.92	1.22	0.87	2.11	2.36
20 --- 29	1.92	2.34	2.23	1.65	2.00	1.59	2.65	3.68
30 --- 49	3.54	4.05	3.88	2.89	3.15	2.85	4.51	4.98
50 --- 99	7.37	7.43	7.17	5.74	5.89	5.71	6.85	8.44
100 -- 199	10.20	9.20	9.11	8.55	7.76	8.68	8.02	10.08
200 -- 499	18.47	15.85	15.93	16.36	14.01	16.76	13.16	15.62
500 -- 999	15.73	12.10	12.57	15.18	13.83	15.40	11.50	13.03
1000 -1999	14.60	12.15	12.67	15.63	14.51	15.82	10.15	11.73
2000--4999	13.32	15.57	15.65	16.12	17.40	15.91	5.73	12.97
5000&Above	12.55	17.58	17.28	15.60	17.53	15.28	31.27	13.06
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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

Employment Range	Factories in Operation (Number)	Fixed Capital (₹ Lakhs)	Working Capital (₹ Lakhs)	Productive Capital (₹ Lakhs)	Invested Capital (₹ Lakhs)	Workers (Number)	Total Persons Engaged (Number)	Wages to Workers (₹ Lakhs)
0 --- 14	66157	7864317	8430952	16295269	15945100	298399	452648	395353
15 --- 19	15725	2755330	3485901	6241230	5917675	187713	262044	278802
20 --- 29	20376	4658653	4921932	9580586	9209317	358484	482421	551565
30 --- 49	22522	8508483	6935936	15444419	15263214	649343	847582	1031961
50 --- 99	24798	16411510	12744730	29156240	29957494	1309491	1675411	2098962
100 -- 199	16936	25825654	17719571	43545225	42862114	1697723	2126643	3019609
200 -- 499	13653	48267772	30815547	79083319	81643034	2697425	3399758	5310597
500 -- 999	5649	46902439	23025272	69927711	76275871	2089675	2629477	4566582
1000 -1999	2956	50130144	19265207	69395350	75226867	1776472	2222070	4122085
2000--4999	1910	72967621	16388093	89355714	100435435	1591781	1978755	3840908
5000&Above	820	85401554	10431735	95833289	113761776	1514435	1799593	3884851
Total	191501	369693476	154164876	523858352	566497898	14170941	17876402	29101276

Employment Range	Total Emoluments (₹ Lakhs)	Total Input (₹ Lakhs)	Total Output (₹ Lakhs)	Gross Value Added (₹ Lakhs)	Depreciation (₹ Lakhs)	Net Value Added (₹ Lakhs)	Rent Paid for Fixed Assets (₹ Lakhs)	Interest Paid (₹ Lakhs)
0 --- 14	774430	24732702	27111896	2379194	658826	1720367	20594	470244
15 --- 19	567803	16562276	18249944	1687667	275740	1411927	5374	285004
20 --- 29	1141256	26532571	29582565	3049994	498453	2551541	12202	448702
30 --- 49	2106112	46605360	52244705	5639344	815141	4824203	17885	720915
50 --- 99	4462463	85904064	97490827	11586763	1660012	9926751	31507	1302852
100 -- 199	6134718	107144748	124610645	17465897	2185731	15280166	39335	1578113
200 -- 499	11438969	184676618	218719758	34043141	4167953	29875188	66155	2641224
500 -- 999	9847311	145811122	177696388	31885266	4121357	27763908	59343	2146537
1000 -1999	9168071	144813910	177541503	32727593	4155229	28572364	53703	1703725
2000--4999	8433391	188638298	222960377	34322078	5098656	29223422	32352	2171019
5000&Above	8036674	216104961	250382043	34277082	5551346	28725737	176919	2376863
Total	62111198	1.188E+09	1396590651	209064019	29188445	179875574	515369	15845197

Statement 12B : Principal Characteristics by Size of Employment (Only for Selected Manufacturing Sector)								
(Percentage Distribution)								
Employment Range	Factories in Operation	Fixed Capital	Working Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers
0 --- 14	34.55	2.13	5.47	3.11	2.81	2.11	2.53	1.36
15 --- 19	8.21	0.75	2.26	1.19	1.04	1.32	1.47	0.96
20 --- 29	10.64	1.26	3.19	1.83	1.63	2.53	2.70	1.90
30 --- 49	11.76	2.30	4.50	2.95	2.69	4.58	4.74	3.55
50 --- 99	12.95	4.44	8.27	5.57	5.29	9.24	9.37	7.21
100 -- 199	8.84	6.99	11.49	8.31	7.57	11.98	11.90	10.38
200 -- 499	7.13	13.06	19.99	15.10	14.41	19.03	19.02	18.25
500 -- 999	2.95	12.69	14.94	13.35	13.46	14.75	14.71	15.69
1000 -1999	1.54	13.56	12.50	13.25	13.28	12.54	12.43	14.16
2000--4999	1.00	19.74	10.63	17.06	17.73	11.23	11.07	13.20
5000&Above	0.43	23.10	6.77	18.29	20.08	10.69	10.07	13.35
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Employment Range	Total Emoluments	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
0 --- 14	1.25	2.08	1.94	1.14	2.26	0.96	4.00	2.97
15 --- 19	0.91	1.39	1.31	0.81	0.94	0.78	1.04	1.80
20 --- 29	1.84	2.23	2.12	1.46	1.71	1.42	2.37	2.83
30 --- 49	3.39	3.92	3.74	2.70	2.79	2.68	3.47	4.55
50 --- 99	7.18	7.23	6.98	5.54	5.69	5.52	6.11	8.22
100 -- 199	9.88	9.02	8.92	8.35	7.49	8.49	7.63	9.96
200 -- 499	18.42	15.55	15.66	16.28	14.28	16.61	12.84	16.67
500 -- 999	15.85	12.28	12.72	15.25	14.12	15.44	11.51	13.55
1000 -1999	14.76	12.19	12.71	15.65	14.24	15.88	10.42	10.75
2000--4999	13.58	15.88	15.96	16.42	17.47	16.25	6.28	13.70
5000&Above	12.94	18.20	17.93	16.40	19.02	15.97	34.33	15.00
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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	6	2	0	0	0	0	0	0	0	13	146	192
Andhra Pradesh	7537	834	983	867	723	436	456	207	123	59	21	12247	571376	695020
Arunachal Pradesh	97	24	24	26	3	11	1	0	0	0	0	186	3200	4341
Assam	2281	340	352	471	942	397	186	31	8	1	1	5010	204416	258320
Bihar	1350	153	126	260	569	248	49	22	5	1	0	2782	114949	135464
Chandigarh	76	24	2	25	29	12	4	5	0	0	0	177	5835	9010
Chattisgarh	2087	550	521	399	349	193	149	36	44	17	60	4403	241883	294845
Dadra & N Haveli & Daman & Diu	331	133	142	148	282	281	239	144	54	23	28	1804	223341	271246
Delhi	729	245	288	260	312	158	152	22	14	1	0	2181	71174	102492
Goa	163	36	65	73	113	92	68	28	19	11	0	667	63134	87898
Gujarat	8070	2555	3074	2846	3364	1995	1591	687	345	227	57	24811	1801900	2334636
Haryana	1758	506	732	1173	1287	977	874	351	163	90	24	7935	876411	1100915
Himachal Pradesh	494	152	214	257	241	258	258	79	24	4	0	1980	173527	239917
Jammu and Kashmir	355	94	63	67	99	79	64	15	0	1	1	838	48749	62172
Jharkhand	923	301	155	302	226	123	83	50	16	14	32	2224	173911	210239
Karnataka	3194	1024	1357	1415	1311	938	1023	500	302	176	151	11391	953334	1216426
Kerala	2951	588	639	882	855	362	284	111	118	61	1	6852	240817	313589
Ladakh	17	2	2	4	0	0	1	0	0	0	0	26	593	645
Madhya Pradesh	1607	398	543	573	471	433	279	108	71	43	4	4529	339435	436270
Maharashtra	5075	1463	2025	2708	2903	2859	2173	885	428	172	48	20739	1726861	2374711
Manipur	98	30	31	43	26	1	6	0	0	0	0	235	5412	6726
Meghalaya	91	17	16	19	15	7	7	3	3	0	0	178	10666	12760
Mizoram	196	3	2	2	1	0	0	0	0	0	0	204	1043	1322
Nagaland	114	12	13	8	37	6	0	1	0	0	0	191	4958	5764
Odisha	1364	232	364	278	197	120	135	73	36	17	19	2835	279038	330687
Puducherry	235	89	42	60	82	44	46	31	9	1	0	639	42601	53578
Punjab	3390	1090	1501	1935	1862	731	524	173	101	68	0	11375	683632	840903
Rajasthan	3352	912	1198	1253	1185	744	549	223	74	53	24	9567	552170	700704
Sikkim	6	1	3	8	18	14	14	11	6	1	0	82	20924	25343
Tamil Nadu	10242	2285	3145	3240	3959	3202	2617	1250	660	661	255	31517	2283043	2774849
Telangana	5067	727	1206	1116	1072	484	619	193	120	52	44	10700	766496	911083
Tripura	365	26	28	36	166	57	9	1	0	0	0	688	20693	24662
Uttar Pradesh	4893	1183	1883	2147	2411	1834	1231	357	201	97	26	16263	1184170	1486458
Uttarakhand	322	204	326	293	323	354	312	142	63	28	7	2373	336889	413771
West Bengal	3326	818	1005	1148	1031	639	473	196	124	103	17	8881	590245	758004
All India	72161	17051	22074	24342	26464	18086	14477	5934	3131	1982	820	206523	14616971	18494962

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	46.15	15.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	61.54	6.81	8.03	7.08	5.90	3.56	3.72	1.69	1.00	0.48	0.17	100.00	3.91	3.76
Arunachal Pradesh	52.15	12.90	12.90	13.98	1.61	5.91	0.54	0.00	0.00	0.00	0.00	100.00	0.02	0.02
Assam	45.53	6.79	7.03	9.40	18.80	7.92	3.71	0.62	0.16	0.02	0.02	100.00	1.40	1.40
Bihar	48.53	5.50	4.53	9.35	20.45	8.91	1.76	0.79	0.18	0.04	0.00	100.00	0.79	0.73
Chandigarh	42.94	13.56	1.13	14.12	16.38	6.78	2.26	2.82	0.00	0.00	0.00	100.00	0.04	0.05
Chattisgarh	47.40	12.49	11.83	9.06	7.93	4.38	3.38	0.82	1.00	0.39	1.36	100.00	1.65	1.59
Dadra & N Haveli & Daman & Diu	18.35	7.37	7.87	8.20	15.63	15.58	13.25	7.98	2.99	1.27	1.55	100.00	1.53	1.47
Delhi	33.43	11.23	13.20	11.92	14.31	7.24	6.97	1.01	0.64	0.05	0.00	100.00	0.49	0.55
Goa	24.44	5.40	9.75	10.94	16.94	13.79	10.19	4.20	2.85	1.65	0.00	100.00	0.43	0.48
Gujarat	32.53	10.30	12.39	11.47	13.56	8.04	6.41	2.77	1.39	0.91	0.23	100.00	12.33	12.62
Haryana	22.16	6.38	9.22	14.78	16.22	12.31	11.01	4.42	2.05	1.13	0.30	100.00	6.00	5.95
Himachal Pradesh	24.95	7.68	10.81	12.98	12.17	13.03	13.03	3.99	1.21	0.20	0.00	100.00	1.19	1.30
Jammu and Kashmir	42.36	11.22	7.52	8.00	11.81	9.43	7.64	1.79	0.00	0.12	0.12	100.00	0.33	0.34
Jharkhand	41.50	13.53	6.97	13.58	10.16	5.53	3.73	2.25	0.72	0.63	1.44	100.00	1.19	1.14
Karnataka	28.04	8.99	11.91	12.42	11.51	8.23	8.98	4.39	2.65	1.55	1.33	100.00	6.52	6.58
Kerala	43.07	8.58	9.33	12.87	12.48	5.28	4.14	1.62	1.72	0.89	0.01	100.00	1.65	1.70
Ladakh	65.38	7.69	7.69	15.38	0.00	0.00	3.85	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Madhya Pradesh	35.48	8.79	11.99	12.65	10.40	9.56	6.16	2.38	1.57	0.95	0.09	100.00	2.32	2.36
Maharashtra	24.47	7.05	9.76	13.06	14.00	13.79	10.48	4.27	2.06	0.83	0.23	100.00	11.81	12.84
Manipur	41.70	12.77	13.19	18.30	11.06	0.43	2.55	0.00	0.00	0.00	0.00	100.00	0.04	0.04
Meghalaya	51.12	9.55	8.99	10.67	8.43	3.93	3.93	1.69	1.69	0.00	0.00	100.00	0.07	0.07
Mizoram	96.08	1.47	0.98	0.98	0.49	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.01
Nagaland	59.69	6.28	6.81	4.19	19.37	3.14	0.00	0.52	0.00	0.00	0.00	100.00	0.03	0.03
Odisha	48.11	8.18	12.84	9.81	6.95	4.23	4.76	2.57	1.27	0.60	0.67	100.00	1.91	1.79
Puducherry	36.78	13.93	6.57	9.39	12.83	6.89	7.20	4.85	1.41	0.16	0.00	100.00	0.29	0.29
Punjab	29.80	9.58	13.20	17.01	16.37	6.43	4.61	1.52	0.89	0.60	0.00	100.00	4.68	4.55
Rajasthan	35.04	9.53	12.52	13.10	12.39	7.78	5.74	2.33	0.77	0.55	0.25	100.00	3.78	3.79
Sikkim	7.32	1.22	3.66	9.76	21.95	17.07	17.07	13.41	7.32	1.22	0.00	100.00	0.14	0.14
Tamil Nadu	32.50	7.25	9.98	10.28	12.56	10.16	8.30	3.97	2.09	2.10	0.81	100.00	15.62	15.00
Telangana	47.36	6.79	11.27	10.43	10.02	4.52	5.79	1.80	1.12	0.49	0.41	100.00	5.24	4.93
Tripura	53.05	3.78	4.07	5.23	24.13	8.28	1.31	0.15	0.00	0.00	0.00	100.00	0.14	0.13
Uttar Pradesh	30.09	7.27	11.58	13.20	14.83	11.28	7.57	2.20	1.24	0.60	0.16	100.00	8.10	8.04
Uttarakhand	13.57	8.60	13.74	12.35	13.61	14.92	13.15	5.98	2.65	1.18	0.29	100.00	2.30	2.24
West Bengal	37.45	9.21	11.32	12.93	11.61	7.20	5.33	2.21	1.40	1.16	0.19	100.00	4.04	4.10
All India	34.94	8.26	10.69	11.79	12.81	8.76	7.01	2.87	1.52	0.96	0.40	100.00	100.00	100.00

**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	4	1	0	0	0	0	0	0	0	9	99	129
Andhra Pradesh	6876	768	840	764	600	390	430	201	121	59	21	11069	543671	659038
Arunachal Pradesh	96	23	24	26	3	11	1	0	0	0	0	184	3190	4325
Assam	2217	335	335	453	921	392	186	31	8	1	1	4879	201793	254742
Bihar	1249	120	106	224	549	222	48	19	5	1	0	2544	108838	127672
Chandigarh	75	23	2	14	22	7	3	5	0	0	0	151	4954	7347
Chattisgarh	2003	541	496	385	317	179	141	35	44	17	60	4217	235593	285931
Dadra & N Haveli & Daman & Diu	331	133	142	148	282	281	239	144	54	23	28	1804	223341	271246
Delhi	638	233	245	239	257	125	108	16	8	1	0	1869	57110	82170
Goa	152	25	65	64	102	76	68	28	19	11	0	610	60686	84677
Gujarat	7436	2364	2906	2734	3173	1890	1535	683	323	173	57	23274	1758461	2274122
Haryana	1660	483	729	1103	1234	950	846	345	162	90	24	7626	862864	1079068
Himachal Pradesh	470	131	191	228	230	240	256	77	24	4	0	1850	168348	232256
Jammu and Kashmir	349	94	62	66	95	78	57	13	0	1	1	816	46747	59152
Jharkhand	866	283	124	256	206	102	82	43	16	14	32	2023	168160	202541
Karnataka	2703	884	1224	1301	1245	854	908	432	230	176	151	10107	916895	1166555
Kerala	2671	552	532	688	697	318	267	111	118	61	1	6017	221458	285418
Ladakh	14	2	2	3	0	0	1	0	0	0	0	22	549	594
Madhya Pradesh	1401	364	499	484	413	414	274	105	63	41	4	4061	314455	404345
Maharashtra	4630	1406	1854	2495	2757	2726	2042	876	414	172	48	19420	1679661	2306066
Manipur	96	29	31	41	25	1	6	0	0	0	0	229	5267	6547
Meghalaya	87	16	15	16	15	7	6	3	3	0	0	168	10176	12176
Mizoram	178	3	2	2	1	0	0	0	0	0	0	186	935	1194
Nagaland	97	9	13	7	36	5	0	1	0	0	0	168	4690	5380
Odisha	1310	223	353	268	179	98	126	66	31	17	19	2689	271290	319540
Puducherry	231	83	41	53	77	43	45	31	9	1	0	614	41677	52423
Punjab	3162	1042	1473	1898	1817	680	515	165	101	68	0	10921	670709	822059
Rajasthan	3197	849	1159	1160	1128	683	540	205	74	52	24	9070	534382	676290
Sikkim	5	1	3	8	17	14	14	11	6	1	0	80	20875	25278
Tamil Nadu	9411	2121	2947	3096	3746	3028	2445	1150	658	660	255	29517	2241261	2720055
Telangana	4717	643	1051	920	929	432	487	164	79	51	44	9517	723926	856893
Tripura	344	24	26	33	162	56	9	1	0	0	0	655	20248	24007
Uttar Pradesh	4128	1000	1632	1972	2255	1682	1203	353	199	97	26	14547	1138662	1423119
Uttarakhand	313	189	321	287	308	348	305	140	63	28	7	2309	333250	407496
West Bengal	3042	729	927	1088	1001	607	459	196	124	90	17	8279	576719	736551
All India	66157	15725	20376	22522	24798	16936	13653	5649	2956	1910	820	191501	14170941	17876402

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

Section 7

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	44.44	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	62.12	6.94	7.59	6.90	5.42	3.52	3.88	1.82	1.09	0.53	0.19	100.00	3.84	3.69
Arunachal Pradesh	52.17	12.50	13.04	14.13	1.63	5.98	0.54	0.00	0.00	0.00	0.00	100.00	0.02	0.02
Assam	45.44	6.87	6.87	9.28	18.88	8.03	3.81	0.64	0.16	0.02	0.02	100.00	1.42	1.43
Bihar	49.10	4.72	4.17	8.81	21.58	8.73	1.89	0.75	0.20	0.04	0.00	100.00	0.77	0.71
Chandigarh	49.67	15.23	1.32	9.27	14.57	4.64	1.99	3.31	0.00	0.00	0.00	100.00	0.03	0.04
Chattisgarh	47.50	12.83	11.76	9.13	7.52	4.24	3.34	0.83	1.04	0.40	1.42	100.00	1.66	1.60
Dadra & N Haveli & Daman & Diu	18.35	7.37	7.87	8.20	15.63	15.58	13.25	7.98	2.99	1.27	1.55	100.00	1.58	1.52
Delhi	34.14	12.47	13.11	12.79	13.75	6.69	5.78	0.86	0.43	0.05	0.00	100.00	0.40	0.46
Goa	24.92	4.10	10.66	10.49	16.72	12.46	11.15	4.59	3.11	1.80	0.00	100.00	0.43	0.47
Gujarat	31.95	10.16	12.49	11.75	13.63	8.12	6.60	2.93	1.39	0.74	0.24	100.00	12.41	12.72
Haryana	21.77	6.33	9.56	14.46	16.18	12.46	11.09	4.52	2.12	1.18	0.31	100.00	6.09	6.04
Himachal Pradesh	25.41	7.08	10.32	12.32	12.43	12.97	13.84	4.16	1.30	0.22	0.00	100.00	1.19	1.30
Jammu and Kashmir	42.77	11.52	7.60	8.09	11.64	9.56	6.99	1.59	0.00	0.12	0.12	100.00	0.33	0.33
Jharkhand	42.81	13.99	6.13	12.65	10.18	5.04	4.05	2.13	0.79	0.69	1.58	100.00	1.19	1.13
Karnataka	26.74	8.75	12.11	12.87	12.32	8.45	8.98	4.27	2.28	1.74	1.49	100.00	6.47	6.53
Kerala	44.39	9.17	8.84	11.43	11.58	5.29	4.44	1.84	1.96	1.01	0.02	100.00	1.56	1.60
Ladakh	63.64	9.09	9.09	13.64	0.00	0.00	4.55	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Madhya Pradesh	34.50	8.96	12.29	11.92	10.17	10.19	6.75	2.59	1.55	1.01	0.10	100.00	2.22	2.26
Maharashtra	23.84	7.24	9.55	12.85	14.20	14.04	10.51	4.51	2.13	0.89	0.25	100.00	11.85	12.90
Manipur	41.92	12.66	13.54	17.90	10.92	0.44	2.62	0.00	0.00	0.00	0.00	100.00	0.04	0.04
Meghalaya	51.79	9.52	8.93	9.52	8.93	4.17	3.57	1.79	1.79	0.00	0.00	100.00	0.07	0.07
Mizoram	95.70	1.61	1.08	1.08	0.54	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.01
Nagaland	57.74	5.36	7.74	4.17	21.43	2.98	0.00	0.60	0.00	0.00	0.00	100.00	0.03	0.03
Odisha	48.72	8.29	13.13	9.97	6.66	3.64	4.69	2.45	1.15	0.63	0.71	100.00	1.91	1.79
Puducherry	37.62	13.52	6.68	8.63	12.54	7.00	7.33	5.05	1.47	0.16	0.00	100.00	0.29	0.29
Punjab	28.95	9.54	13.49	17.38	16.64	6.23	4.72	1.51	0.92	0.62	0.00	100.00	4.73	4.60
Rajasthan	35.25	9.36	12.78	12.79	12.44	7.53	5.95	2.26	0.82	0.57	0.26	100.00	3.77	3.78
Sikkim	6.25	1.25	3.75	10.00	21.25	17.50	17.50	13.75	7.50	1.25	0.00	100.00	0.15	0.14
Tamil Nadu	31.88	7.19	9.98	10.49	12.69	10.26	8.28	3.90	2.23	2.24	0.86	100.00	15.82	15.22
Telangana	49.56	6.76	11.04	9.67	9.76	4.54	5.12	1.72	0.83	0.54	0.46	100.00	5.11	4.79
Tripura	52.52	3.66	3.97	5.04	24.73	8.55	1.37	0.15	0.00	0.00	0.00	100.00	0.14	0.13
Uttar Pradesh	28.38	6.87	11.22	13.56	15.50	11.56	8.27	2.43	1.37	0.67	0.18	100.00	8.04	7.96
Uttarakhand	13.56	8.19	13.90	12.43	13.34	15.07	13.21	6.06	2.73	1.21	0.30	100.00	2.35	2.28
West Bengal	36.74	8.81	11.20	13.14	12.09	7.33	5.54	2.37	1.50	1.09	0.21	100.00	4.07	4.12
All India	34.55	8.21	10.64	11.76	12.95	8.84	7.13	2.95	1.54	1.00	0.43	100.00	100.00	100.00

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 80.69% of the total factories which have operated during 2022-23. While these factories share 9.92% of total fixed capital to work with, they provide gainful employment to 36.25% of the total persons engaged. Their contribution to the total output and net value added by manufacture are 18.79% and 16.80% respectively. As against this, the operational factories, with gross investment in plant and machinery of ₹ 10 Crores & above, are very few (14.40%) in number, account for 88.14% of total fixed capital, 57.91% of total persons engaged, 77.37% of the gross output and 79.36% 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	130394	29000419	58994494	56664534	3945482	4846326	5571600	9525699
25 -- 500	36237	11853029	27474386	25646901	1383869	1859355	2501495	5589940
500 -- 1000	10155	8042261	16237335	15805618	840794	1078091	1544128	3212689
1000 & above	29737	363283750	469032174	515804202	8446825	10711189	20373157	45720742
Total	206523	412179458	571738389	613921255	14616971	18494962	29990380	64049070

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	155213151	178466809	23253658	2871305	20382353	82154	2473511
25 -- 500	81533627	93799481	12265855	1061615	11204240	64031	1195686
500 -- 1000	47555244	55563591	8008347	786631	7221716	22871	719888
1000 & above	944652601	1120830346	176177745	26944941	149232804	396721	13803630
Total	1228954623	1448660228	219705605	31664493	188041113	565777	18192715

* In terms of Gross Value of Plant and Machinery

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

Capital Range (₹ Lakhs) *	Factories in Operation	Fixed Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers	Total Emoluments
Upto 25	63.14	7.04	10.32	9.23	26.99	26.20	18.58	14.87
25 -- 500	17.55	2.88	4.81	4.18	9.47	10.05	8.34	8.73
500 -- 1000	4.92	1.95	2.84	2.57	5.75	5.83	5.15	5.02
1000 & above	14.40	88.14	82.04	84.02	57.79	57.91	67.93	71.38
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Capital Range (₹ Lakhs) *	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
Upto 25	12.63	12.32	10.58	9.07	10.84	14.52	13.60
25 -- 500	6.63	6.47	5.58	3.35	5.96	11.32	6.57
500 -- 1000	3.87	3.84	3.65	2.48	3.84	4.04	3.96
1000 & above	76.87	77.37	80.19	85.10	79.36	70.12	75.87
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00

* 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 20.84% of the operating factories, that produce gross output up to one Crore, share 1.34% of fixed capital, provide employment to 2.32% of total persons engaged, pay emoluments to the extent of 0.69% of total emoluments, contribute 0.09% to the total output. Also, 44.07% of the operating factories, producing gross output of more than ₹ 10 Crores, consume 95.70% of fixed capital, provide 87.28% of total employment and pay 93.81% of total emoluments. This group of factories contributes 97.87% of total output and 97.38% 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	20598	3990666	3945048	4268148	43912	86794	50886	115306
25 --- 50	8168	456221	626948	651809	80222	102976	58708	86309
50 -- 100	14274	1067319	1646428	1564560	192866	237975	167121	246370
100 -- 200	18350	1892887	3028628	2855618	320926	396170	323026	482810
200 -- 500	29718	4497812	7186898	7056658	544295	696084	741249	1243458
500 -- 1000	24386	5775512	9455864	9366091	645071	831939	990050	1793115
1000 -- 2000	23144	10473435	19575461	19298396	917386	1176526	1494853	2862975
2000 -- 5000	27772	21285700	34407553	34836068	1816949	2289422	3127461	6054530
5000 -- 10000	14673	24495242	38285961	37849398	1610111	2025014	2924920	5872263
10000 -- 50000	18865	72334624	113994039	119240815	4201836	5232183	8178060	17036017
50000 & above	6573	265910038	339585561	376933695	4243397	5419878	11934045	28255916
Total	206523	412179458	571738389	613921255	14616971	18494962	29990380	64049070

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	184035	57884	-126151	279911	-406062	1090	54924
25 --- 50	201656	300178	98521	31585	66936	1611	17205
50 -- 100	736447	1049316	312869	83099	229770	4298	46833
100 -- 200	1928577	2634263	705687	153598	552089	6905	107154
200 -- 500	7552256	9680356	2128100	407965	1720136	14571	281123
500 -- 1000	13828378	17183977	3355598	583511	2772087	19578	449369
1000 -- 2000	26179161	31681395	5502234	902586	4599648	20432	785654
2000 -- 5000	69252099	82289298	13037199	1917274	11119925	45077	1683501
5000 -- 10000	76667981	90755906	14087925	1959186	12128739	38666	1682270
10000 -- 50000	261182989	308986637	47803647	6405940	41397707	95977	4387946
50000 & above	771241042	904041019	132799977	18939838	113860139	317572	8696737
Total	1228954623	1448660228	219705605	31664493	188041113	565777	18192715

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

Total Output (₹ Lakhs)	Factories in Operation	Fixed Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers	Total Emoluments
Upto 25	9.97	0.97	0.69	0.70	0.30	0.47	0.17	0.18
25 --- 50	3.96	0.11	0.11	0.11	0.55	0.56	0.20	0.13
50 -- 100	6.91	0.26	0.29	0.25	1.32	1.29	0.56	0.38
100 -- 200	8.89	0.46	0.53	0.47	2.20	2.14	1.08	0.75
200 -- 500	14.39	1.09	1.26	1.15	3.72	3.76	2.47	1.94
500 -- 1000	11.81	1.40	1.65	1.53	4.41	4.50	3.30	2.80
1000 -- 2000	11.21	2.54	3.42	3.14	6.28	6.36	4.98	4.47
2000 -- 5000	13.45	5.16	6.02	5.67	12.43	12.38	10.43	9.45
5000 -- 10000	7.10	5.94	6.70	6.17	11.02	10.95	9.75	9.17
10000 -- 50000	9.13	17.55	19.94	19.42	28.75	28.29	27.27	26.60
50000 & above	3.18	64.51	59.40	61.40	29.03	29.30	39.79	44.12
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Total Output (₹ Lakhs)	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
Upto 25	0.01	0.00	-0.06	0.88	-0.22	0.19	0.30
25 --- 50	0.02	0.02	0.04	0.10	0.04	0.28	0.09
50 -- 100	0.06	0.07	0.14	0.26	0.12	0.76	0.26
100 -- 200	0.16	0.18	0.32	0.49	0.29	1.22	0.59
200 -- 500	0.61	0.67	0.97	1.29	0.91	2.58	1.55
500 -- 1000	1.13	1.19	1.53	1.84	1.47	3.46	2.47
1000 -- 2000	2.13	2.19	2.50	2.85	2.45	3.61	4.32
2000 -- 5000	5.64	5.68	5.93	6.05	5.91	7.97	9.25
5000 -- 10000	6.24	6.26	6.41	6.19	6.45	6.83	9.25
10000 -- 50000	21.25	21.33	21.76	20.23	22.02	16.96	24.12
50000 & above	62.76	62.41	60.44	59.81	60.55	56.13	47.80
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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 11.25% of the operating factories, each with less than ₹ 2.5 Lakhs of net value added, share about 8.99% of total fixed capital, provide gainful employment to 4.07% of total persons engaged of the factory sector, disburse 4.12% of the emoluments. These units, consuming about 5.26% of total input, are found to produce 4.08% of total output. On the other hand, about 14.23% of the operating factories, each contributing at least ₹ 10 Crores of net value added, possess 78.62% of the total fixed capital. They have 62.46% of total persons engaged, taking away 74.47% of the total emoluments and produce 77.83% of total output after consuming 75.79% 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	23236	37053305	36209773	47093336	561045	753153	1189277	2641808
2.5 --- 5	3494	150773	308713	292834	13445	19520	11136	17451
5 ---- 10	7793	372184	672069	627929	43193	62904	32841	51003
10 ---- 20	14022	787122	1529880	1465179	95835	131835	97727	153665
20 ---- 50	31386	2717647	5346659	5253153	410098	528404	445172	719322
50 ----100	29395	4652859	8756102	8788377	636026	799936	773551	1288129
100----200	25813	7097664	13054438	13207445	772016	984208	1154266	2073023
200----500	27198	15895130	26763307	28660438	1490603	1892174	2417924	4562189
500----1000	14807	19399234	33894653	35305429	1422102	1771318	2516915	4846378
1000---5000	19763	56867703	90230169	95159683	3682771	4608199	7154512	14766744
5000& above	9615	267185840	354972626	378067452	5489836	6943312	14197060	32929357
Total	206523	412179458	571738389	613921255	14616971	18494962	29990380	64049070

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	64697750	59106658	-5591092	3075302	-8666394	43554	1721232
2.5 --- 5	230171	256161	25990	12769	13222	387	6355
5 ---- 10	633176	721238	88062	30090	57972	545	15999
10 ---- 20	2197147	2467271	270125	62925	207200	3918	38307
20 ---- 50	10895101	12215948	1320847	270689	1050157	8553	213022
50 ----100	22404072	24943941	2539870	463405	2076465	13073	406283
100----200	36761931	41061212	4299281	722365	3576916	20781	700960
200----500	80826928	90598024	9771096	1560206	8210890	33550	1393391
500----1000	78966526	89863518	10896992	1561845	9335147	34575	1351189
1000---5000	220920671	258736399	37815728	4885238	32930490	86506	3665250
5000& above	710421150	868689858	158268708	19019659	139249049	320335	8680728
Total	1228954623	1448660228	219705605	31664493	188041113	565777	18192715

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

NVA Range (₹ Lakhs)	Factories in Operation	Fixed Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers	Total Emoluments
Upto 2.5	11.25	8.99	6.33	7.67	3.84	4.07	3.97	4.12
2.5 --- 5	1.69	0.04	0.05	0.05	0.09	0.11	0.04	0.03
5 ---- 10	3.77	0.09	0.12	0.10	0.30	0.34	0.11	0.08
10 ---- 20	6.79	0.19	0.27	0.24	0.66	0.71	0.33	0.24
20 ---- 50	15.20	0.66	0.94	0.86	2.81	2.86	1.48	1.12
50 ----100	14.23	1.13	1.53	1.43	4.35	4.33	2.58	2.01
100----200	12.50	1.72	2.28	2.15	5.28	5.32	3.85	3.24
200----500	13.17	3.86	4.68	4.67	10.20	10.23	8.06	7.12
500----1000	7.17	4.71	5.93	5.75	9.73	9.58	8.39	7.57
1000---5000	9.57	13.80	15.78	15.50	25.20	24.92	23.86	23.06
5000& above	4.66	64.82	62.09	61.58	37.56	37.54	47.34	51.41
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

NVA Range (₹ Lakhs)	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
Upto 2.5	5.26	4.08	-2.54	9.71	-4.61	7.70	9.46
2.5 --- 5	0.02	0.02	0.01	0.04	0.01	0.07	0.03
5 ---- 10	0.05	0.05	0.04	0.10	0.03	0.10	0.09
10 ---- 20	0.18	0.17	0.12	0.20	0.11	0.69	0.21
20 ---- 50	0.89	0.84	0.60	0.85	0.56	1.51	1.17
50 ----100	1.82	1.72	1.16	1.46	1.10	2.31	2.23
100----200	2.99	2.83	1.96	2.28	1.90	3.67	3.85
200----500	6.58	6.25	4.45	4.93	4.37	5.93	7.66
500----1000	6.43	6.20	4.96	4.93	4.96	6.11	7.43
1000---5000	17.98	17.86	17.21	15.43	17.51	15.29	20.15
5000& above	57.81	59.97	72.04	60.07	74.05	56.62	47.72
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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 (14.86%), whereas this industry is contributing to the highest proportion in respect to the total output in the states like Chattisgarh (68.94%), Jharkhand (71.14%), Karnataka (14.83%), Maharashtra (12.18%), Odisha (61.89%), Punjab (19.30%), Rajasthan (16.40%) and West Bengal (31.40%).

11.3 Coke and Refined Petroleum Products (NIC: 19), the second highest in ranking in proportionate share of total output, accounts for 14.02% of the total output at all India level, whereas this industry accounts for the highest value of total output in Four States namely, Assam (46.70%), Bihar (44.53%), Gujarat (26.68%) and Kerala (47.28%).

11.4 The third contributing (12.36%) industry to the total output of India is Food Products (NIC: 10), which accounts for the highest share of output in the state of A&N Islands (55.50%), Andhra Pradesh (23.46%), Delhi (24.92%), Madhya Pradesh (21.18%) and Uttar Pradesh (18.13%).

11.5 Chemicals and Chemical Products (NIC: 20) accounts for 9.08% of the all India output and is the fourth highest in proportional share of total output. State-wise, this industry group contributes maximum to the total output of Dadra & N Haveli & Daman & Diu (23.46%) and Jammu & Kashmir (31.38%).

11.6 Motor Vehicles, Trailers and Semi-Trailers (NIC: 29) accounts for 7.82% of the total output at all India level and among the States/UTs, it has the highest share of total output in Haryana (24.29%), Tamil Nadu (18.65%) and Uttarakhand (17.14%).

**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	3535	100.00	664	100.00
		TOTAL OF BELOW INDUSTRIES	3534	99.97	664	100.00
		FOOD PRODUCTS	1962	55.50	201	30.27
		OTHER INDUSTRIES	1572	44.47	463	69.73
Andhra Pradesh	10 19 24 20 29 23 21 26	TOTAL	61386723	100.00	9069415	100.00
		TOTAL OF BELOW INDUSTRIES	51010821	83.11	6970796	76.86
		FOOD PRODUCTS	14400209	23.46	1242368	13.70
		COKE AND REFINED PETROLEUM PRODUCTS	6727563	10.96	334122	3.68
		BASIC METALS	6603911	10.76	637706	7.03
		CHEMICALS AND CHEMICAL PRODUCTS	5811973	9.47	1173248	12.94
		MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	5742730	9.36	624166	6.88
		OTHER NON-METALLIC MINERAL PRODUCTS	4877801	7.95	930853	10.26
Arunachal Pradesh	11 24 10	TOTAL	139955	100.00	30744	100.00
		TOTAL OF BELOW INDUSTRIES	127248	90.92	27071	88.05
		BEVERAGES	57031	40.75	11670	37.96
		FOOD PRODUCTS	22603	16.15	4965	16.15
Assam	19 10 20 23	TOTAL	14419576	100.00	2815192	100.00
		TOTAL OF BELOW INDUSTRIES	12144367	84.23	2155103	76.56
		COKE AND REFINED PETROLEUM PRODUCTS	6733911	46.70	807551	28.69
		FOOD PRODUCTS	2507652	17.39	422421	15.01
		OTHER NON-METALLIC MINERAL PRODUCTS	713050	4.95	206484	7.33
Bihar	19 10 20 24	TOTAL	14253608	100.00	1599043	100.00
		TOTAL OF BELOW INDUSTRIES	11963369	83.93	1057390	66.13
		COKE AND REFINED PETROLEUM PRODUCTS	6347219	44.53	681642	42.63
		FOOD PRODUCTS	3113063	21.84	250420	15.66
		CHEMICALS AND CHEMICAL PRODUCTS	954176	6.69	27796	1.74
		OTHER INDUSTRIES	641649	4.50	70010	4.38

**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	442414	100.00	81757	100.00
		TOTAL OF BELOW INDUSTRIES	355547	80.37	63338	77.48
		OTHER INDUSTRIES	102916	23.26	14951	18.29
	28	MACHINERY AND EQUIPMENT N.E.C.	80232	18.14	23215	28.40
	24	BASIC METALS	72768	16.45	15670	19.17
	10	FOOD PRODUCTS	36732	8.30	1783	2.18
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	36370	8.22	4186	5.12
	11	BEVERAGES	26529	6.00	3533	4.32
Chattisgarh		TOTAL	31225801	100.00	4000723	100.00
		TOTAL OF BELOW INDUSTRIES	26856422	86.00	3484935	87.11
	24	BASIC METALS	21527064	68.94	2849698	71.23
	10	FOOD PRODUCTS	3445632	11.03	244445	6.11
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1883726	6.03	390792	9.77
Dadra & N Haveli & Daman & Diu		TOTAL	21090004	100.00	3112719	100.00
		TOTAL OF BELOW INDUSTRIES	17058706	80.89	2216440	71.21
	20	CHEMICALS AND CHEMICAL PRODUCTS	4946721	23.46	589604	18.94
	22	RUBBER AND PLASTICS PRODUCTS	4064367	19.27	882671	28.36
	27	ELECTRICAL EQUIPMENT	3016904	14.30	358262	11.51
	13	TEXTILES	2595866	12.31	341315	10.97
	24	BASIC METALS	2434848	11.55	44588	1.43
Delhi		TOTAL	5347875	100.00	674802	100.00
		TOTAL OF BELOW INDUSTRIES	4346171	81.26	589210	87.33
	10	FOOD PRODUCTS	1332859	24.92	132430	19.63
		OTHER INDUSTRIES	1266292	23.68	129461	19.19
	14	WEARING APPAREL	345730	6.46	86997	12.89
	27	ELECTRICAL EQUIPMENT	334835	6.26	43914	6.51
	18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	255676	4.78	46305	6.86
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	230529	4.31	49336	7.31
	15	LEATHER AND RELATED PRODUCTS	202551	3.79	23518	3.49
	28	MACHINERY AND EQUIPMENT N.E.C.	189392	3.54	47387	7.02
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	188307	3.52	29862	4.43

**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
Goa		TOTAL	6910542	100.00	1663912	100.00
		TOTAL OF BELOW INDUSTRIES	5675940	82.14	1418072	85.22
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1746705	25.28	765467	46.00
	20	CHEMICALS AND CHEMICAL PRODUCTS	875266	12.67	128139	7.70
	27	ELECTRICAL EQUIPMENT	834027	12.07	168036	10.10
	24	BASIC METALS	772204	11.17	63832	3.84
	22	RUBBER AND PLASTICS PRODUCTS	527960	7.64	132976	7.99
	10	FOOD PRODUCTS	474224	6.86	64743	3.89
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	445554	6.45	94879	5.70
Gujarat		TOTAL	256773305	100.00	32481608	100.00
		TOTAL OF BELOW INDUSTRIES	210062649	81.82	24886645	76.62
	19	COKE AND REFINED PETROLEUM PRODUCTS	68495891	26.68	6229130	19.18
	20	CHEMICALS AND CHEMICAL PRODUCTS	43888156	17.09	6605040	20.33
	10	FOOD PRODUCTS	23473722	9.14	1862339	5.73
	24	BASIC METALS	21359147	8.32	2241115	6.90
	13	TEXTILES	13725591	5.35	2009349	6.19
		OTHER INDUSTRIES	10494812	4.09	1361622	4.19
	32	OTHER MANUFACTURING	9683463	3.77	1088348	3.35
	28	MACHINERY AND EQUIPMENT N.E.C.	9546813	3.72	2084202	6.42
	22	RUBBER AND PLASTICS PRODUCTS	9395054	3.66	1405500	4.33
Haryana		TOTAL	88027024	100.00	11916549	100.00
		TOTAL OF BELOW INDUSTRIES	71287478	80.99	8530336	71.58
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	21382873	24.29	2989183	25.08
	19	COKE AND REFINED PETROLEUM PRODUCTS	13405238	15.23	921900	7.74
	24	BASIC METALS	9244541	10.50	595192	4.99
	10	FOOD PRODUCTS	8369947	9.51	680840	5.71
	27	ELECTRICAL EQUIPMENT	4382100	4.98	710122	5.96
	28	MACHINERY AND EQUIPMENT N.E.C.	4267045	4.85	848277	7.12
	30	OTHER TRANSPORT EQUIPMENT	3940045	4.48	709476	5.95
	20	CHEMICALS AND CHEMICAL PRODUCTS	3472214	3.94	550163	4.62
	13	TEXTILES	2823475	3.21	525183	4.41

**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	17845704	100.00	4099053	100.00
		TOTAL OF BELOW INDUSTRIES	14516974	81.35	3460771	84.42
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4602036	25.79	1627936	39.71
	24	BASIC METALS	2789078	15.63	139988	3.42
	27	ELECTRICAL EQUIPMENT	2120781	11.88	234109	5.71
	20	CHEMICALS AND CHEMICAL PRODUCTS	1627160	9.12	485712	11.85
	13	TEXTILES	1088337	6.10	148227	3.62
	19	COKE AND REFINED PETROLEUM PRODUCTS	906363	5.08	79709	1.94
	10	FOOD PRODUCTS	714497	4.00	158759	3.87
		OTHER INDUSTRIES	668722	3.75	586331	14.30
Jammu and Kashmir		TOTAL	3611375	100.00	773736	100.00
		TOTAL OF BELOW INDUSTRIES	3025972	83.79	671481	86.79
	20	CHEMICALS AND CHEMICAL PRODUCTS	1133162	31.38	329678	42.61
	10	FOOD PRODUCTS	529532	14.66	37127	4.80
	22	RUBBER AND PLASTICS PRODUCTS	510758	14.14	89441	11.56
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	296220	8.20	134486	17.38
	24	BASIC METALS	243746	6.75	14319	1.85
	13	TEXTILES	172458	4.78	36873	4.77
	11	BEVERAGES	140096	3.88	29557	3.82
Jharkhand		TOTAL	26482598	100.00	4908927	100.00
		TOTAL OF BELOW INDUSTRIES	21947238	82.88	4101846	83.56
	24	BASIC METALS	18839471	71.14	3556206	72.44
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	3107767	11.74	545640	11.12
Karnataka		TOTAL	89406276	100.00	15472045	100.00
		TOTAL OF BELOW INDUSTRIES	72028004	80.57	11803848	76.30
	24	BASIC METALS	13257724	14.83	2154470	13.92
	10	FOOD PRODUCTS	12580102	14.07	1276115	8.25
	19	COKE AND REFINED PETROLEUM PRODUCTS	11568547	12.94	1104250	7.14
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	7313350	8.18	1198660	7.75
	28	MACHINERY AND EQUIPMENT N.E.C.	6348160	7.10	1452610	9.39
	27	ELECTRICAL EQUIPMENT	4213689	4.71	754661	4.88
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	4013436	4.49	549719	3.55
	20	CHEMICALS AND CHEMICAL PRODUCTS	3598728	4.03	858240	5.55
	14	WEARING APPAREL	3341041	3.74	946380	6.12
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	3051910	3.41	964067	6.23
	23	OTHER NON-METALLIC MINERAL PRODUCTS	2741317	3.07	544676	3.52

**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	24914103	100.00	3476372	100.00
		TOTAL OF BELOW INDUSTRIES	20160822	80.92	2341713	67.37
	19	COKE AND REFINED PETROLEUM PRODUCTS	11778891	47.28	1341422	38.59
	10	FOOD PRODUCTS	4114449	16.51	455290	13.10
	22	RUBBER AND PLASTICS PRODUCTS	1501012	6.02	184849	5.32
	20	CHEMICALS AND CHEMICAL PRODUCTS	1454678	5.84	295420	8.50
	24	BASIC METALS	1311792	5.27	64732	1.86
Ladakh		TOTAL	12779	100.00	676	100.00
		TOTAL OF BELOW INDUSTRIES	10470	81.93	198	29.29
		OTHER INDUSTRIES	8812	68.96	-318	-47.04
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1658	12.97	516	76.33
Madhya Pradesh		TOTAL	43012153	100.00	7033717	100.00
		TOTAL OF BELOW INDUSTRIES	35606233	82.80	5708370	81.15
	10	FOOD PRODUCTS	9107986	21.18	637135	9.06
	19	COKE AND REFINED PETROLEUM PRODUCTS	6047161	14.06	868972	12.35
		OTHER INDUSTRIES	4583922	10.66	1571542	22.34
	20	CHEMICALS AND CHEMICAL PRODUCTS	3188848	7.41	402008	5.72
	24	BASIC METALS	2901367	6.75	377897	5.37
	23	OTHER NON-METALLIC MINERAL PRODUCTS	2717777	6.32	676164	9.61
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2502693	5.82	391797	5.57
	22	RUBBER AND PLASTICS PRODUCTS	2496926	5.81	421977	6.00
		13	TEXTILES	2059553	4.79	360878
Maharashtra		TOTAL	212224196	100.00	35882704	100.00
		TOTAL OF BELOW INDUSTRIES	170336148	80.26	27335949	76.18
	24	BASIC METALS	25857276	12.18	3074714	8.57
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	25761408	12.14	4036460	11.25
	10	FOOD PRODUCTS	24299539	11.45	2490440	6.94
	19	COKE AND REFINED PETROLEUM PRODUCTS	23246693	10.95	2356028	6.57
	20	CHEMICALS AND CHEMICAL PRODUCTS	20590463	9.70	3833510	10.68
	28	MACHINERY AND EQUIPMENT N.E.C.	16441680	7.75	3535831	9.85
	27	ELECTRICAL EQUIPMENT	11350900	5.35	2132078	5.94
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	8319024	3.92	1786424	4.98
	22	RUBBER AND PLASTICS PRODUCTS	7496300	3.53	1618847	4.51
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	6972865	3.29	2471617	6.89

**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	66783	100.00	13086	100.00
	23	TOTAL OF BELOW INDUSTRIES	53453	80.03	10260	78.40
	10	OTHER NON-METALLIC MINERAL PRODUCTS	22548	33.76	7381	56.40
	32	FOOD PRODUCTS	21693	32.48	1804	13.79
Meghalaya		TOTAL	1089359	100.00	225842	100.00
	23	TOTAL OF BELOW INDUSTRIES	885079	81.25	198544	87.91
	24	OTHER NON-METALLIC MINERAL PRODUCTS	612520	56.23	160132	70.90
		BASIC METALS	272559	25.02	38412	17.01
Mizoram		TOTAL	7781	100.00	2369	100.00
		TOTAL OF BELOW INDUSTRIES	6618	85.05	1722	72.69
	10	OTHER INDUSTRIES	3831	49.24	455	19.21
	23	FOOD PRODUCTS	1169	15.02	498	21.02
	14	OTHER NON-METALLIC MINERAL PRODUCTS	625	8.03	285	12.03
	13	WEARING APPAREL TEXTILES	553 440	7.11 5.65	216 268	9.12 11.31
Nagaland		TOTAL	56767	100.00	11229	100.00
	16	TOTAL OF BELOW INDUSTRIES	51455	90.64	8491	75.63
	10	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE	21723	38.27	6199	55.21
		FOOD PRODUCTS OTHER INDUSTRIES	15102 14630	26.60 25.77	927 1365	8.26 12.16
Odisha		TOTAL	50827910	100.00	6919041	100.00
	24	TOTAL OF BELOW INDUSTRIES	41279413	81.21	5223053	75.49
	19	BASIC METALS COKE AND REFINED PETROLEUM PRODUCTS	31457791 9821622	61.89 19.32	4149050 1074003	59.97 15.52
Puducherry		TOTAL	3660274	100.00	649446	100.00
	26	TOTAL OF BELOW INDUSTRIES	3061213	83.65	527656	81.26
	20	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	726956	19.86	28216	4.34
	22	CHEMICALS AND CHEMICAL PRODUCTS	725921	19.83	226916	34.94
	22	RUBBER AND PLASTICS PRODUCTS	479385	13.10	92803	14.29
	24	BASIC METALS	276932	7.57	13615	2.10
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	230846	6.31	70393	10.84
	27	ELECTRICAL EQUIPMENT	224200	6.13	34588	5.33
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	205891	5.63	50112	7.72
	10	FOOD PRODUCTS	191082	5.22	11013	1.70

**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	46202365	100.00	5974244	100.00
		TOTAL OF BELOW INDUSTRIES	38217986	82.71	4313652	72.18
	24	BASIC METALS	8918528	19.30	436397	7.30
	10	FOOD PRODUCTS	8342466	18.06	780390	13.06
	19	COKE AND REFINED PETROLEUM PRODUCTS	7897541	17.09	844357	14.13
	13	TEXTILES	3570006	7.73	502561	8.41
	28	MACHINERY AND EQUIPMENT N.E.C.	3215659	6.96	628640	10.52
	20	CHEMICALS AND CHEMICAL PRODUCTS	1770022	3.83	291142	4.87
	14	WEARING APPAREL	1716231	3.71	317186	5.31
	30	OTHER TRANSPORT EQUIPMENT	1410050	3.05	221329	3.70
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	1377483	2.98	291650	4.88
Rajasthan		TOTAL	56701805	100.00	9037454	100.00
		TOTAL OF BELOW INDUSTRIES	45639515	80.48	6548267	72.44
	24	BASIC METALS	9297929	16.40	1040391	11.51
	10	FOOD PRODUCTS	8143963	14.36	449596	4.97
	23	OTHER NON-METALLIC MINERAL PRODUCTS	6089476	10.74	1331495	14.73
	20	CHEMICALS AND CHEMICAL PRODUCTS	5859705	10.33	800401	8.86
	13	TEXTILES	4217954	7.44	670823	7.42
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	3561811	6.28	803750	8.89
	28	MACHINERY AND EQUIPMENT N.E.C.	3285492	5.79	616730	6.82
	27	ELECTRICAL EQUIPMENT	3001967	5.29	408632	4.52
	22	RUBBER AND PLASTICS PRODUCTS	2181218	3.85	426449	4.72
Sikkim		TOTAL	2819807	100.00	1223874	100.00
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2321689	82.34	1074048	87.76
		TOTAL OF BELOW INDUSTRIES	2321689	82.34	1074048	87.76
Tamil Nadu		TOTAL	144425898	100.00	22685189	100.00
		TOTAL OF BELOW INDUSTRIES	118749528	82.22	16853386	74.29
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	26941546	18.65	4689335	20.67
	10	FOOD PRODUCTS	13874895	9.61	1175791	5.18
	13	TEXTILES	13402696	9.28	1989888	8.77
	28	MACHINERY AND EQUIPMENT N.E.C.	11682996	8.09	2369095	10.44
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	11446904	7.93	629187	2.77
	19	COKE AND REFINED PETROLEUM PRODUCTS	9111679	6.31	867748	3.83
	14	WEARING APPAREL	6987221	4.84	1545064	6.81
	24	BASIC METALS	6644560	4.60	759171	3.35
	32	OTHER MANUFACTURING	6578233	4.55	689404	3.04
	20	CHEMICALS AND CHEMICAL PRODUCTS	6257336	4.33	1016192	4.48
		22	RUBBER AND PLASTICS PRODUCTS	5821462	4.03	1122511

**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	36833177	100.00	7401932	100.00
		TOTAL OF BELOW INDUSTRIES	30559457	82.97	5911309	79.86
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	7119832	19.33	2381070	32.17
	10	FOOD PRODUCTS	6240856	16.94	682008	9.21
	20	CHEMICALS AND CHEMICAL PRODUCTS	2369779	6.43	396883	5.36
	22	RUBBER AND PLASTICS PRODUCTS	2197161	5.97	345158	4.66
	01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	2165117	5.88	387499	5.24
	24	BASIC METALS	2141903	5.82	203175	2.74
	27	ELECTRICAL EQUIPMENT	2035169	5.53	318800	4.31
	23	OTHER NON-METALLIC MINERAL PRODUCTS	2012643	5.46	356620	4.82
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	1707028	4.63	264270	3.57
	17	PAPER AND PAPER PRODUCTS	1428041	3.88	330668	4.47
28	MACHINERY AND EQUIPMENT N.E.C.	1141928	3.10	245158	3.31	
Tripura		TOTAL	206176	100.00	43707	100.00
		TOTAL OF BELOW INDUSTRIES	173411	84.11	36524	83.57
	22	RUBBER AND PLASTICS PRODUCTS	59114	28.67	6450	14.76
	10	FOOD PRODUCTS	55643	26.99	10770	24.64
	23	OTHER NON-METALLIC MINERAL PRODUCTS	47206	22.90	17382	39.77
		OTHER INDUSTRIES	11448	5.55	1922	4.40
Uttar Pradesh		TOTAL	101883729	100.00	13369443	100.00
		TOTAL OF BELOW INDUSTRIES	84261884	82.70	9337376	69.84
	10	FOOD PRODUCTS	18475708	18.13	1237532	9.26
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	14174057	13.91	1459129	10.91
	20	CHEMICALS AND CHEMICAL PRODUCTS	8969889	8.80	911028	6.81
	19	COKE AND REFINED PETROLEUM PRODUCTS	8249905	8.10	379536	2.84
	24	BASIC METALS	7202542	7.07	648627	4.85
		OTHER INDUSTRIES	6863643	6.74	1141205	8.54
	27	ELECTRICAL EQUIPMENT	4510879	4.43	638490	4.78
	22	RUBBER AND PLASTICS PRODUCTS	4008728	3.93	582910	4.36
	28	MACHINERY AND EQUIPMENT N.E.C.	3013899	2.96	669089	5.00
	14	WEARING APPAREL	3011274	2.96	730523	5.46
	17	PAPER AND PAPER PRODUCTS	3005192	2.95	360444	2.70
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2776168	2.72	578863	4.33

**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	25663909	100.00	5841966	100.00
		TOTAL OF BELOW INDUSTRIES	21533071	83.89	4691396	80.31
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	4400053	17.14	852690	14.60
	20	CHEMICALS AND CHEMICAL PRODUCTS	2612347	10.18	843310	14.44
	30	OTHER TRANSPORT EQUIPMENT	2554490	9.95	500059	8.56
	27	ELECTRICAL EQUIPMENT	2102210	8.19	474966	8.13
	22	RUBBER AND PLASTICS PRODUCTS	1956443	7.62	360278	6.17
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1909550	7.44	520016	8.90
	10	FOOD PRODUCTS	1885671	7.35	289978	4.96
	17	PAPER AND PAPER PRODUCTS	1412334	5.50	227034	3.89
24	BASIC METALS	1412126	5.50	291121	4.98	
28	MACHINERY AND EQUIPMENT N.E.C.	1287847	5.02	331944	5.68	
West Bengal		TOTAL	60684941	100.00	7212428	100.00
		TOTAL OF BELOW INDUSTRIES	49620589	81.78	5049473	70.02
	24	BASIC METALS	19052489	31.40	1949383	27.03
	10	FOOD PRODUCTS	10367548	17.08	775054	10.75
	19	COKE AND REFINED PETROLEUM PRODUCTS	8727143	14.38	798494	11.07
	20	CHEMICALS AND CHEMICAL PRODUCTS	5519942	9.10	571725	7.93
	27	ELECTRICAL EQUIPMENT	2188711	3.61	312632	4.33
	13	TEXTILES	2139265	3.53	467811	6.49
	22	RUBBER AND PLASTICS PRODUCTS	1625491	2.68	174374	2.42
All India		TOTAL	1448660228	100.00	219705605	100.00
		TOTAL OF BELOW INDUSTRIES	1166643016	80.53	166459159	75.77
	24	BASIC METALS	215324344	14.86	25424390	11.57
	19	COKE AND REFINED PETROLEUM PRODUCTS	203077054	14.02	19103684	8.70
	10	FOOD PRODUCTS	179037771	12.36	15696117	7.14
	20	CHEMICALS AND CHEMICAL PRODUCTS	131560303	9.08	21594334	9.83
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	113286909	7.82	17736530	8.07
	28	MACHINERY AND EQUIPMENT N.E.C.	66169885	4.57	13876402	6.32
	13	TEXTILES	56473072	3.90	9051655	4.12
	27	ELECTRICAL EQUIPMENT	54769789	3.78	8775375	3.99
	22	RUBBER AND PLASTICS PRODUCTS	52961306	3.66	9352590	4.26
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	47570542	3.28	16122601	7.34
	23	OTHER NON-METALLIC MINERAL PRODUCTS	46412041	3.20	9725481	4.43

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

12.1 Statement 19 gives the shares of major States/UTs contributing at least 80% of the total output within the major industry divisions of manufacturing sector. Within each such industry division, States/UTs have been ranked based on their relative contributions to the total output of that industry. From Statement 19, it is clearly seen that, in Cotton Ginning, Cleaning, Bailing (01632) and Seed Processing for Propagation (01640) (NIC: 01), Gujarat, Telangana and Maharashtra are the top three important contributors to the total output. These three States together accounted for 71.13% of the total output for the industry. Maharashtra, Gujarat and Uttar Pradesh are the top contributors in the Food industry (NIC: 10) by contributing 37.00% of total output of that industry. In the case of Coke and Refined Petroleum Products (NIC: 19), Gujarat, Maharashtra and Haryana are the top three contributors to total output, accounting for 51.78% taken together. The major contributors for Chemicals and Chemical Products (NIC: 20) are Gujarat, Maharashtra and Uttar Pradesh and these States accounted 55.83% of total output of that industry. In Basic Metals (NIC: 24), the major States are Odisha, Maharashtra and Chattisgarh by capturing 36.62% 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 65.39% 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	8896026	100.00	854611	100.00
		TOTAL OF BELOW STATE/UTs	7674734	86.28	693358	81.12
		Gujarat	2329044	26.18	120682	14.12
		Telangana	2165117	24.34	387499	45.34
		Maharashtra	1833101	20.61	97271	11.38
		Karnataka	695460	7.82	54636	6.39
		Madhya Pradesh	652012	7.33	33270	3.89
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	All India	216776	100.00	82192	100.00
		TOTAL OF BELOW STATE/UTs	205958	95.01	75974	92.43
		Gujarat	205958	95.01	75974	92.43
10	FOOD PRODUCTS	All India	179037771	100.00	15696117	100.00
		TOTAL OF BELOW STATE/UTs	143292122	80.03	12158004	77.46
		Maharashtra	24299539	13.57	2490440	15.87
		Gujarat	23473722	13.11	1862339	11.86
		Uttar Pradesh	18475708	10.32	1237532	7.88
		Andhra Pradesh	14400209	8.04	1242368	7.92
		Tamil Nadu	13874895	7.75	1175791	7.49
		Karnataka	12580102	7.03	1276115	8.13
		West Bengal	10367548	5.79	775054	4.94
		Madhya Pradesh	9107986	5.09	637135	4.06
		Haryana	8369947	4.67	680840	4.34
Punjab	8342466	4.66	780390	4.97		
11	BEVERAGES	All India	13743369	100.00	3075138	100.00
		TOTAL OF BELOW STATE/UTs	11198456	81.50	2487036	80.88
		Uttar Pradesh	2550213	18.56	518098	16.85
		Maharashtra	2266527	16.49	572883	18.63
		Punjab	1049383	7.64	316441	10.29
		Karnataka	826231	6.01	217417	7.07
		Haryana	725324	5.28	164923	5.36
		Tamil Nadu	710065	5.17	111506	3.63
		Rajasthan	657149	4.78	103813	3.38
		Andhra Pradesh	644317	4.69	136951	4.45
		Telangana	617977	4.50	123585	4.02
		West Bengal	592518	4.31	125395	4.08
		Madhya Pradesh	558752	4.07	96024	3.12

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	5687274	100.00	2138713	100.00
		TOTAL OF BELOW STATE/UTs	4677032	82.23	1797342	84.05
		Uttar Pradesh	1609504	28.30	522854	24.45
		Karnataka	948574	16.68	535434	25.04
		Maharashtra	508447	8.94	313941	14.68
		Andhra Pradesh	467776	8.22	55883	2.61
		Gujarat	433998	7.63	109648	5.13
		Telangana	356169	6.26	196323	9.18
		West Bengal	352564	6.20	63259	2.96
13	TEXTILES	All India	56473072	100.00	9051655	100.00
		TOTAL OF BELOW STATE/UTs	45562559	80.68	7072093	78.12
		Gujarat	13725591	24.30	2009349	22.20
		Tamil Nadu	13402696	23.73	1989888	21.98
		Maharashtra	5226971	9.26	1032974	11.41
		Rajasthan	4217954	7.47	670823	7.41
		Punjab	3570006	6.32	502561	5.55
		Haryana	2823475	5.00	525183	5.80
		Dadra & N Haveli & Daman & Diu	2595866	4.60	341315	3.77
14	WEARING APPAREL	All India	22562065	100.00	5445953	100.00
		TOTAL OF BELOW STATE/UTs	18332769	81.27	4428995	81.32
		Tamil Nadu	6987221	30.97	1545064	28.37
		Karnataka	3341041	14.81	946380	17.38
		Uttar Pradesh	3011274	13.35	730523	13.41
		Haryana	1779949	7.89	558197	10.25
		Punjab	1716231	7.61	317186	5.82
		West Bengal	1497053	6.64	331645	6.09
		15	LEATHER AND RELATED PRODUCTS	All India	7670507	100.00
TOTAL OF BELOW STATE/UTs	6260327			81.62	1398239	83.33
Tamil Nadu	2041904			26.62	535574	31.92
Uttar Pradesh	1756984			22.91	356249	21.23
Haryana	1068704			13.93	217608	12.97
West Bengal	719310			9.38	158422	9.44
Karnataka	381985			4.98	70274	4.19
Rajasthan	291440			3.80	60112	3.58

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

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	All India	4083458	100.00	661263	100.00
		TOTAL OF BELOW STATE/UTs	3290347	80.57	510938	77.27
		Gujarat	622355	15.24	54827	8.29
		Haryana	450862	11.04	62331	9.43
		Uttar Pradesh	414637	10.15	63628	9.62
		Uttarakhand	373437	9.15	82192	12.43
		Maharashtra	366956	8.99	52800	7.98
		West Bengal	339120	8.30	76810	11.62
		Kerala	322927	7.91	45042	6.81
		Tamil Nadu	200590	4.91	38360	5.80
		Karnataka	199463	4.88	34948	5.29
17	PAPER AND PAPER PRODUCTS	All India	21955337	100.00	3800746	100.00
		TOTAL OF BELOW STATE/UTs	17669673	80.48	3001659	78.98
		Gujarat	3793256	17.28	435948	11.47
		Uttar Pradesh	3005192	13.69	360444	9.48
		Maharashtra	2822989	12.86	640289	16.85
		Tamil Nadu	1752460	7.98	372669	9.81
		Telangana	1428041	6.50	330668	8.70
		Karnataka	1421725	6.48	242158	6.37
		Uttarakhand	1412334	6.43	227034	5.97
		Punjab	1310823	5.97	259139	6.82
		Haryana	722853	3.29	133310	3.51
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	All India	4866365	100.00	1399164	100.00
		TOTAL OF BELOW STATE/UTs	3912079	80.38	1174917	83.98
		Maharashtra	752412	15.46	184779	13.21
		Uttar Pradesh	547589	11.25	135613	9.69
		Tamil Nadu	499306	10.26	154970	11.08
		Rajasthan	494536	10.16	252494	18.05
		Haryana	408772	8.40	121749	8.70
		Karnataka	380040	7.81	87404	6.25
		Gujarat	366498	7.53	98920	7.07
		Delhi	255676	5.25	46305	3.31
Kerala	207250	4.26	92683	6.62		

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

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
19	COKE AND REFINED PETROLEUM PRODUCTS	All India	203077054	100.00	19103684	100.00
		TOTAL OF BELOW STATE/UTs	164405609	80.97	15072511	78.90
		Gujarat	68495891	33.73	6229130	32.61
		Maharashtra	23246693	11.45	2356028	12.33
		Haryana	13405238	6.60	921900	4.83
		Kerala	11778891	5.80	1341422	7.02
		Karnataka	11568547	5.70	1104250	5.78
		Odisha	9821622	4.84	1074003	5.62
		Tamil Nadu	9111679	4.49	867748	4.54
		West Bengal	8727143	4.30	798494	4.18
		Uttar Pradesh	8249905	4.06	379536	1.99
20	CHEMICALS AND CHEMICAL PRODUCTS	All India	131560303	100.00	21594334	100.00
		TOTAL OF BELOW STATE/UTs	105442913	80.16	16358988	75.76
		Gujarat	43888156	33.36	6605040	30.59
		Maharashtra	20590463	15.65	3833510	17.75
		Uttar Pradesh	8969889	6.82	911028	4.22
		Tamil Nadu	6257336	4.76	1016192	4.71
		Rajasthan	5859705	4.45	800401	3.71
		Andhra Pradesh	5811973	4.42	1173248	5.43
		West Bengal	5519942	4.20	571725	2.65
				Dadra & N Haveli & Daman & Diu	4946721	3.76
		Karnataka	3598728	2.74	858240	3.97
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	All India	47570542	100.00	16122601	100.00
		TOTAL OF BELOW STATE/UTs	38322057	80.56	12974526	80.48
		Gujarat	7517182	15.80	2406178	14.92
		Telangana	7119832	14.97	2381070	14.77
		Maharashtra	6972865	14.66	2471617	15.33
		Andhra Pradesh	4826993	10.15	1529594	9.49
		Himachal Pradesh	4602036	9.67	1627936	10.10
		Karnataka	3051910	6.42	964067	5.98
		Sikkim	2321689	4.88	1074048	6.66
				Uttarakhand	1909550	4.01

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	52961306	100.00	9352590	100.00
		TOTAL OF BELOW STATE/UTs	43972859	83.01	7938570	84.88
		Gujarat	9395054	17.74	1405500	15.03
		Maharashtra	7496300	14.15	1618847	17.31
		Tamil Nadu	5821462	10.99	1122511	12.00
		Dadra & N Haveli & Daman & Diu	4064367	7.67	882671	9.44
		Uttar Pradesh	4008728	7.57	582910	6.23
		Madhya Pradesh	2496926	4.71	421977	4.51
		Karnataka	2337693	4.41	397169	4.25
		Telangana	2197161	4.15	345158	3.69
		Rajasthan	2181218	4.12	426449	4.56
		Haryana	2017507	3.81	375100	4.01
		Uttarakhand	1956443	3.69	360278	3.85
23	OTHER NON-METALLIC MINERAL PRODUCTS	All India	46412041	100.00	9725481	100.00
		TOTAL OF BELOW STATE/UTs	38498942	82.97	7694964	79.12
		Gujarat	8335490	17.96	1475060	15.17
		Rajasthan	6089476	13.12	1331495	13.69
		Andhra Pradesh	4877801	10.51	930853	9.57
		Tamil Nadu	3702678	7.98	807241	8.3
		Karnataka	2741317	5.91	544676	5.6
		Madhya Pradesh	2717777	5.86	676164	6.95
		Maharashtra	2716599	5.85	627577	6.45
		Uttar Pradesh	2021458	4.36	341562	3.51
		Telangana	2012643	4.34	356620	3.67
		Chattisgarh	1883726	4.06	390792	4.02
		West Bengal	1399977	3.02	212924	2.19
24	BASIC METALS	All India	215324344	100.00	25424390	100.00
		TOTAL OF BELOW STATE/UTs	178811960	83.05	22046616	86.71
		Odisha	31457791	14.61	4149050	16.32
		Maharashtra	25857276	12.01	3074714	12.09
		Chattisgarh	21527064	10	2849698	11.21
		Gujarat	21359147	9.92	2241115	8.81
		West Bengal	19052489	8.85	1949383	7.67
		Jharkhand	18839471	8.75	3556206	13.99
		Karnataka	13257724	6.16	2154470	8.47
		Rajasthan	9297929	4.32	1040391	4.09
		Haryana	9244541	4.29	595192	2.34
		Punjab	8918528	4.14	436397	1.72

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	35494418	100.00	6857333	100.00
		TOTAL OF BELOW STATE/UTs	28765177	81.04	5756126	83.93
		Maharashtra	8319024	23.44	1786424	26.05
		Gujarat	5977746	16.84	900514	13.13
		Tamil Nadu	4031534	11.36	875284	12.76
		Karnataka	2708657	7.63	474399	6.92
		Haryana	2552973	7.19	471579	6.88
		Uttar Pradesh	2090732	5.89	692006	10.09
		Telangana	1707028	4.81	264270	3.85
		Punjab	1377483	3.88	291650	4.25
26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	All India	43462986	100.00	5761627	100.00
		TOTAL OF BELOW STATE/UTs	34973411	80.46	4050978	70.30
		Uttar Pradesh	14174057	32.61	1459129	25.32
		Tamil Nadu	11446904	26.34	629187	10.92
		Maharashtra	5339014	12.28	1412943	24.52
		Karnataka	4013436	9.23	549719	9.54
27	ELECTRICAL EQUIPMENT	All India	54769789	100.00	8775375	100.00
		TOTAL OF BELOW STATE/UTs	44081796	80.48	6779707	77.27
		Maharashtra	11350900	20.72	2132078	24.30
		Gujarat	5390824	9.84	630018	7.18
		Uttar Pradesh	4510879	8.24	638490	7.28
		Haryana	4382100	8.00	710122	8.09
		Karnataka	4213689	7.69	754661	8.60
		Tamil Nadu	3905041	7.13	600703	6.85
		Dadra & N Haveli & Daman & Diu	3016904	5.51	358262	4.08
		Rajasthan	3001967	5.48	408632	4.66
		West Bengal	2188711	4.00	312632	3.56
		Himachal Pradesh	2120781	3.87	234109	2.67

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
28	MACHINERY AND EQUIPMENT N.E.C.	All India	66169885	100.00	13876402	100.00
		TOTAL OF BELOW STATE/UTs	54787845	82.81	11535385	83.12
		Maharashtra	16441680	24.85	3535831	25.48
		Tamil Nadu	11682996	17.66	2369095	17.07
		Gujarat	9546813	14.43	2084202	15.02
		Karnataka	6348160	9.59	1452610	10.47
		Haryana	4267045	6.45	848277	6.11
		Rajasthan	3285492	4.97	616730	4.44
		Punjab	3215659	4.86	628640	4.53
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	All India	113286909	100.00	17736530	100.00
		TOTAL OF BELOW STATE/UTs	94284454	83.22	14087855	79.43
		Tamil Nadu	26941546	23.78	4689335	26.44
		Maharashtra	25761408	22.74	4036460	22.76
		Haryana	21382873	18.87	2989183	16.85
		Karnataka	7313350	6.46	1198660	6.76
		Gujarat	7142547	6.30	550051	3.10
		Andhra Pradesh	5742730	5.07	624166	3.52
30	OTHER TRANSPORT EQUIPMENT	All India	29189018	100.00	5772878	100.00
		TOTAL OF BELOW STATE/UTs	24042182	82.37	4783107	82.84
		Maharashtra	6523469	22.35	1385628	24.00
		Tamil Nadu	4261465	14.60	994508	17.23
		Haryana	3940045	13.50	709476	12.29
		Karnataka	2729609	9.35	536358	9.29
		Uttarakhand	2554490	8.75	500059	8.66
		Punjab	1410050	4.83	221329	3.83
		Rajasthan	1357265	4.65	257690	4.46
		West Bengal	1265789	4.34	178059	3.08
31	FURNITURE	All India	4000124	100.00	782088	100.00
		TOTAL OF BELOW STATE/UTs	3319930	83.00	653408	83.54
		Rajasthan	783285	19.58	139709	17.86
		Maharashtra	637897	15.95	94144	12.04
		Karnataka	601926	15.05	133281	17.04
		Uttar Pradesh	416969	10.42	86361	11.04
		Tamil Nadu	391555	9.79	87922	11.24
		Haryana	269987	6.75	70401	9.00
		Telangana	218311	5.46	41590	5.32

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
32	OTHER MANUFACTURING	All India	32342937	100.00	4170189	100.00
		TOTAL OF BELOW STATE/UTs	26688638	82.51	3273140	78.49
		Gujarat	9683463	29.94	1088348	26.10
		Maharashtra	6892636	21.31	770276	18.47
		Tamil Nadu	6578233	20.34	689404	16.53
		Haryana	1838209	5.68	277679	6.66
		Uttar Pradesh	1696097	5.24	447433	10.73
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	All India	1256953	100.00	449166	100.00
		TOTAL OF BELOW STATE/UTs	1027903	81.79	371415	82.69
		Maharashtra	429692	34.19	214521	47.76
		Telangana	161218	12.83	48890	10.88
		Rajasthan	105733	8.41	24655	5.49
		Andhra Pradesh	86212	6.86	39583	8.81
		Delhi	68886	5.48	8530	1.90
		Uttar Pradesh	62713	4.99	12067	2.69
		Tamil Nadu	58677	4.67	14870	3.31
Madhya Pradesh	54772	4.36	8299	1.85		
38	WASTE COLLECTION,TREATMENT AND DISPOSAL ACTIVITIES; MATERIALS RECOVERY	All India	2781730	100.00	340929	100.00
		TOTAL OF BELOW STATE/UTs	2256324	81.10	178875	52.46
		Gujarat	1688323	60.69	124710	36.58
		Karnataka	295556	10.62	18049	5.29
		Tamil Nadu	140186	5.04	28124	8.25
		Andhra Pradesh	132259	4.75	7992	2.34

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
58	PUBLISHING ACTIVITIES	All India	851092	100.00	271952	100.00
		TOTAL OF BELOW STATE/UTs	690758	81.16	224961	82.72
		Uttar Pradesh	204473	24.02	43510	16.00
		Gujarat	108153	12.71	41902	15.41
		Tamil Nadu	78332	9.20	30074	11.06
		Karnataka	72471	8.52	33139	12.19
		Kerala	61346	7.21	24971	9.18
		Andhra Pradesh	58272	6.85	17540	6.45
		Telangana	57054	6.70	18992	6.98
		West Bengal	50657	5.95	14833	5.45
	ALL INDUSTRIES	All India	1448660228	100.00	219705605	100.00
		TOTAL OF BELOW STATE/UTs	1168544172	80.66	170020120	77.38
		Gujarat	256773305	17.72	32481608	14.78
		Maharashtra	212224196	14.65	35882704	16.33
		Tamil Nadu	144425898	9.97	22685189	10.33
		Uttar Pradesh	101883729	7.03	13369443	6.09
		Karnataka	89406276	6.17	15472045	7.04
		Haryana	88027024	6.08	11916549	5.42
		Andhra Pradesh	61386723	4.24	9069415	4.13
		West Bengal	60684941	4.19	7212428	3.28
		Rajasthan	56701805	3.91	9037454	4.11
		Odisha	50827910	3.51	6919041	3.15
		Punjab	46202365	3.19	5974244	2.72



भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड 1

PART II — Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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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.

Short title,
extent and
commence-
ment.

2. In this Act, unless the context otherwise requires,—

Definitions

(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

(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,—

Restrictions on use of information.

(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

(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;

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- (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.

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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.

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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

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EXTRAORDINARY

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PART II — Section 1

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PUBLISHED BY AUTHORITY

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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^{th} state is:

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

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

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

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

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

(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**¹ 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 mth sub-sample of sth stratum in ith State. Now, the Estimation formula for a characteristic y of the unit **for the sample sector** in s-th stratum of the i-th state **based on state sample** is the simple average of sub-sample estimates of the s-th stratum in the i-th State, $State \hat{Y}_{ism}$, 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 ith 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

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

¹ 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 (≤ 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 ith 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 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.

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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 2022-2023 (Part –I)
 (Please read the instructions before filling the return)

Block A: Identification particulars (for official use)					
1. Schedule Despatch (DSL) No.					
2. PSL No.					
3. Scheme code (<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>)					

Block B: Particulars of the factory (to be filled by owner of the factory)	
1. Name and address of the Industrial undertaking:	1.1 Vill./Town:
	1.2 District name:
	1.3 State name:
	1.4 PIN Code
2. Type of organisation (<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 & registered with DST/DBT-1, yes & 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

Block C: FIXED ASSETS												
Sl. No.	Type of Assets	Gross value (Rs.)					Depreciation (Rs.)				Net value (Rs.)	
		Opening as on ----	Addition during the year		Deduction & adjustment during the year	Closing as on ----	Up to year beginning	Provi- ded during the year	Adjustment for sold/ discarded during the year	Up to year end (cols. 8+9 -10)	Opening as on ----- (cols. 3-8)	Closing as on ----- (cols. 7-11)
			Due to revaluation	Actual additions								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.	Land											
2.	Building											
3.	Plant & Machinery											
4.	Transport equipment											
5.	Computer equipment including software											
6.	Pollution control equipment/ Environment improvement equipment											
7.	Others											
8.	Sub-total (items 2 to 7)											
9.	Capital work in progress											
10.	Total (items 1+8+9)											

DSL No PSL No

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

DSL No PSL No

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

DSL No PSL No

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

Block G: OTHER OUTPUT/RECEIPTS			
Sl. No.	Items	Receipts (in Rs.)	
(1)	(2)	(3)	
O T H E R	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	
	O U T P U T	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	

DSL No PSL No

Block H: Indigenous input items consumed (if needed, additional sheets may be used for recording input items with serial nos. starting from 25)						
Sl. No.	Item description	Item code (NPC-MS)	Unit of quantity	Quantity consumed	Purchase value (in Rs.)	Rate per unit (in Rs.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Major ten basic items (indigenous)					
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.	Other basic items (indigenous)*	9920100				
12.	Total basic items (items 1 to 11)	9990100				
13.	Non-basic chemicals – all kinds	9920300				
14.	Packing items	9990800				
15.	Electricity own generated	9990400	KWH			
16.	Electricity purchased & consumed	9990500	KWH			
17.	Petrol, diesel, oil, lubricants consumed	9990600				
18.	Coal consumed	9990700	Tonne			
19.	Gas consumed	9990900	KG			
20.	Other fuel consumed	9920400				
21.	Consumable store	9922000				
22.	Total non-basic items (items 13 to 21)	9992000				
23.	Total inputs (items 12+ 22)	9993000				
24.	Any additional requirement of electricity (unmet demand)	9999999	KWH			
* Full description of items not in NPC-MS 2011 (Revised):						

DSL No PSL No

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

DSL No PSL No

Block J: Products and by-products manufactured by the unit (if needed, additional sheets may be used for recording output items with serial nos. starting from 14)												
Sl. No.	Products/By-products description (First ten major items as per value - no brand name)	Item code (NPCMS)	Unit of quantity	Quantity manufactured	Quantity sold	Gross sale value (Rs)	Distributive expenses (Rs.)				Per unit net sale value (Rs. 0.00) (col. 7- [col. 8+col. 9+col.10-col.11]) ÷ col. 6	Ex-factory value of quantity manufactured (Rs.) (col.12× col.5)
							Goods and Services Tax (GST)	Excise Duty/Sales Tax/VAT/Other Taxes, if any	Other Distributive Expenses	Subsidy (-)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.												
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.	Other products/by-products*	9921100										
12.	Total (items 1 to 11)	9995000										
13.	Share (%) of products/by-products directly exported											

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

DSL No PSL No

Block K: Information and Communication technology (ICT) usage		
Sl. No.	ICT indicator	yes-1, no-2
1.	Did the factory use computer/s during FY 2022-23?	
2.	Did the factory use the internet during FY 2022-23?	
3.	Did the factory have a website as on the date of survey?	
4.	Did the factory receive orders via the internet during FY 2022-23?	
5.	Did the factory place orders for business purpose via the internet during FY 2022-23?	
6.	Did the factory connect to the internet either by a. Narrowband or b. Fixed broadband or c. Mobile broadband during FY 2022-23?	
7.	Does the factory have a local area network (LAN) as on the date of survey?	

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

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

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

Annual Survey of Industries 2022-23						
Part A						
Report of scrutiny on Part-I of the return						
State (code) _____		Distt. (code) _____		DSL No./PSL No. _____		
Ind. code (5-digit NIC 2008) as per return _____		Scheme Code _____				
Sl. No.	Bl. no.	Item	Unit	Average rate per unit*	If high or low, reasons to be furnished by	
1	H	Input items (Indigenous)	X	X	Superintending Officer	Scrutinising Officer
		Major Ten basic items consumed				
		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 (2022-23)	Previous year (2021-22)	Reasons for significant variation, if any.
	1) Average salaries/wages per manday worked (Rs.) (E _{5,8} / E _{5,5})			
	2) Total worker (number) (E _{5,6})			
	3) Total employees (number) (E _{9,6})			
	4) Total emoluments (E _{9,8} + E _{10,8} + E _{11,8} + E _{12,8})			
	5) Variation in finished goods (D _{6,4} - D _{6,3})			
	6) Working Capital (D _{16,4})			
	7) Total input (F _{1,3} +F _{2(i),3} +F _{2(ii),3} +F _{3,3} +F _{4,3} +F _{6,3} +F _{7,3} +F _{8,3} +F _{11,3}) (+) (H _{23,6}) (+) (I _{7,6})			
	8) Total output (J _{12,7}) (-) (J _{12,8} +J _{12,9} +J _{12,10} -J _{12,11}) + (D _{6,4} - D _{6,3}) + (G _{1,3} +G _{2,3} +G _{3,3} +G _{4,3} +G _{6,3} +G _{7,3} +G _{8,3} +G _{11,3} +F _{7,3})			
	9) Gross value added (GVA) (Item 8-Item 7 as above)			

Item	Current year (2022-23)	Previous year (2021-22)	Reasons for significant variation, if any.
10) Net value added (Item 9 as above) - Depreciation (C _{10,9})			
11) Net Income (Item 10 as above) (-) (F _{9,3} +F _{10,3})			
12) Profit (Item 11 as above) (-) (E _{9,8} +E _{10,8} +E _{11,8} +E _{12,8})			
13) Actual addition to fixed assets (C _{10,5})			
14) GVA (through Ex-factory Value) (J_{12,13}) (+) (G _{1,3} +G _{2,3} +G _{3,3} +G _{4,3} +G _{6,3} +G _{7,3} +G _{8,3} +G _{11,3} +F _{7,3}) (-) (F _{1,3} +F _{2(i),3} +F _{2(ii),3} +F _{3,3} +F _{4,3} +F _{6,3} +F _{7,3} +F _{8,3} +F _{11,3}) (-) (H _{23,6}) (-) (I _{7,6})			

5. Impose check on the following and give observations against each item

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

Signature of the Superintending Officer

()
Name of the Superintending Officer

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

Signature of Scrutinizing officer

()
Name of Scrutinizing officer

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**ANNUAL SURVEY OF INDUSTRIES 2022-23
PART II MANDAYS WORKED, ABSENTEEISM & LABOUR TURNOVER**

Block 1. Identification and other Particulars

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

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

Sl no.	Month	Scheduled Working days for Workers	No of Mandays Worked	No of Mandays lost due to absence	No of Workers in employment on		Accessions during the Month	Separations during the month due to	
					First day of month	Last day of month		Death or retirement	Other causes
0	1	2	3	4	5	6	7	8	9
1.	Apr, 2022								
2.	May, 2022								
3.	June, 2022								
4.	July, 2022								
5.	Aug, 2022								
6.	Sep, 2022								
7.	Oct, 2022								
8.	Nov, 2022								
9.	Dec, 2022								
10.	Jan, 2023								
11.	Feb, 2023								
12.	Mar, 2023								

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 2022-2023 the reference period is the financial year commencing from 1st April 2022 and ending on 31st March 2023 or the accounting year of the factory ending on any date between 01.04.2022 to 31.03.2023.

4. **Survey Period:** Survey period is a period during which work of any Annual Survey of Industries is undertaken. The survey period for ASI 2022-2023 is from November 2023 to June 2024.

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

3-digit NIC-2008	4-digit NIC-2008	Description
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

3-digit NIC-2008	4-digit NIC-2008	Description
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

3-digit NIC-2008	4-digit NIC-2008	Description
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

3-digit NIC-2008	4-digit NIC-2008	Description
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

3-digit NIC-2008	4-digit NIC-2008	Description
	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

3-digit NIC-2008	4-digit NIC-2008	Description
	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

3-digit NIC-2008	4-digit NIC-2008	Description
	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

3-digit NIC-2008	4-digit NIC-2008	Description
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

3-digit NIC-2008	4-digit NIC-2008	Description
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, 2022-2023
Statement showing the merging of Industries

Annexure VI

Sr. No. (1)	Table Description (2)	State/Union Territory (3)	Industry Code (4)	Included in (5)
1	State by 3 digit of NIC 08	Andaman & N Islands	103	104
			110, 201, 222	Other
		Andhra Pradesh	267	265
			275	279
			303	309
			381	382
		Arunachal Pradesh	103, 106	108
			192	191
			259	251
			131, 202, 271	Other
		Assam	101	103
			203	202
			252	259
			281	282
			332	331
			016, 302, 325	Other
		Bihar	152	151
			221	222
			273	272
			274	279
			332	331
			016, 265, 267, 292, 383	Other
		Chandigarh	105	104
			202	201
			243	242
			251, 252	259
			261	265
			274, 275	271
			309	302
			016, 131, 142, 210, 325, 581	Other
		Chattisgarh	143	141
			261, 264	265
			272	274
			323, 325	329
			381	382

Annual Survey of Industries, 2022-2023
Statement showing the merging of Industries

Annexure VI

Sr. No. (1)	Table Description (2)	State/Union Territory (3)	Industry Code (4)	Included in (5)
		Dadra & N Haveli & Daman & Diu	103, 105 108 143 161 266 321 151, 152, 309, 382	104 107 141 162 261 324 Other
		Delhi	104 161 252 110, 192	101 162 259 Other
		Goa	108 131 192 243 252 262, 267 272, 274 324 141, 381	104 139 191 242 259 266 279 329 Other
		Gujarat	262 303	263 309
		Haryana	191 252 266 301, 304 332	192 259 267 303 331
		Himachal Pradesh	143 266, 267 322 331, 382, 581	141 261 329 Other
		Jammu & Kashmir	101 151 161 262, 263 274 282 325 292, 331	103 152 162 264 275 281 321 Other

Annual Survey of Industries, 2022-2023
Statement showing the merging of Industries

Annexure VI

Sr. No. (1)	Table Description (2)	State/Union Territory (3)	Industry Code (4)	Included in (5)
		Jharkhand	139 142 203 252 279 309 152, 325, 381, 382, 581	131 141 202 259 275 302 Other
		Karnataka	267 323	264 329
		Kerala	203 264 291 304, 309 323 381	202 266 292 303 322 382
		Ladakh	105 106 251 139, 192	103 107 259 Other
		Madhya Pradesh	252 264, 267 323	259 263 329
		Maharashtra	268 322	267 329
		Manipur	105 139 325 151, 191, 202, 241, 251, 259, 271, 279, 282, 331	107 131 321 Other
		Meghalaya	104 201 242 131, 271, 331	108 202 243 Other
		Mizoram	104, 105 161 222 259 181, 202, 210, 241, 243, 279, 292, 322	108 162 221 251 Other

Annual Survey of Industries, 2022-2023
Statement showing the merging of Industries

Annexure VI

Sr. No. (1)	Table Description (2)	State/Union Territory (3)	Industry Code (4)	Included in (5)
		Nagaland	101, 105 221 259 131, 202	106 222 251 Other
		Odisha	231 274 279 291 301 303 332 381, 382 152, 265, 321, 325, 581	239 272 275 292 302 309 331 383 Other
		Puducherry	101, 108 143 162 243 252 263, 267 272, 279 309 324 192, 331	107 141 161 242 259 261 274 301 321 Other
		Punjab	142 191 267 291 321 383 120	143 192 263 292 329 382 Other
		Rajasthan	143 191 252 264 266	141 192 259 263 267
		Sikkim	103 221 275 192, 239, 243, 259, 265, 321	105 222 279 Other
		Tamil Nadu	142 268 304 322	143 266 309 329

Annual Survey of Industries, 2022-2023
Statement showing the merging of Industries

Annexure VI

Sr. No. (1)	Table Description (2)	State/Union Territory (3)	Industry Code (4)	Included in (5)
		Telangana	102 143 203 266 304 323 332	103 141 202 262 309 324 331
		Tripura	104 191 202 242 131, 331, 383	105 192 201 243 Other
		Uttar Pradesh	182 252 322 332 381 016	181 259 329 331 382 Other
		Uttarakhand	143 191 252 267 016, 332, 383	141 192 259 265 Other
		West Bengal	252 262, 266 323 332 383	259 263 322 331 382
		All-India	182	181

Annual Survey of Industries, 2022-2023
Statement showing the merging of Industries

Annexure VI

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