



उद्योगों का वार्षिक सर्वेक्षण
ANNUAL SURVEY OF INDUSTRIES
2019-2020
कारखाना क्षेत्र के सार परिणाम
SUMMARY RESULTS FOR FACTORY SECTOR



भारत सरकार
सांख्यिकी एवं कार्यक्रम कार्यान्वयन मंत्रालय
राष्ट्रीय सांख्यिकी कार्यालय
डाटा क्वालिटी एस्युरेंस डिविजन
(औद्योगिक सांख्यिकी स्कंध)
कोलकाता

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



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प्रस्तावना

उद्योगों का वार्षिक सर्वेक्षण (उ.वा.स.) भारत के औद्योगिक परिदृश्य के वस्तुनिष्ठ मूल्यांकन हेतु पंजीकृत विनिर्माण क्षेत्र के महत्वपूर्ण अभिलक्षणों के विषय में सूचना देता है। इसमें कारखाना अधिनियम, 1948 के अन्तर्गत पंजीकृत कारखानों और बीड़ी और सिगार कामगर (रोजगार की शर्त) अधिनियम, 1966 के अधीन आने वाले प्रतिष्ठान और विद्युत उत्पादन, संचारण तथा वितरण करने वाले सभी विद्युत उपक्रम, जो केंद्रीय विद्युत प्राधिकरण (सी.ई.ए) द्वारा पंजीकृत नहीं हैं, शामिल हैं। सर्वेक्षण परिणाम योजनाकारों, नीति निर्माताओं, उद्योग संस्थाओं, अन्वेषकों तथा व्यवसाय एवं उद्योग विश्लेषकों द्वारा व्यापक रूप से प्रयोग किए जाते हैं।

सर्वेक्षण (उ.वा.स. 2019-20) का आयोजन अप्रैल 2021 से जनवरी 2022 के दौरान एएसआई वेब पोर्टल के माध्यम से किया गया था। देश में कोविड-19 के द्वितीय लहर के कारण क्षेत्र कार्य (फील्ड वर्क) प्रतिकूल रूप से प्रभावित हुआ था।

प्रथा अनुसार, उ.वा.स. के परिणाम दो खंडों में प्रकाशित होते हैं। प्रकाशन के खण्ड-I में पूंजी, रोजगार, परिलब्धियों, और औद्योगिक क्षेत्र से संबंधित कई अन्य आर्थिक मापदंड जैसे-(i) कारखानों की संख्या (ii) अचल/कार्यशील पूंजी (iii) कुल इनपुट (iv) कुल आउटपुट (v) अवमूल्यन (vi) निवल वर्धित मूल्य आदि से संबंधित डाटा दर्शाए गए हैं। प्रकाशन के खण्ड-II में उपभोग की गई सामग्रियां और अखिल भारतीय स्तर के साथ-साथ राज्य/संघ-राज्य क्षेत्र स्तर पर उत्पादों और उपोत्पादों के कारखाना मूल्य (ex-factory price) का विस्तृत विवरण उपलब्ध है। जबकि खण्ड-I को मंत्रालय की वेबसाइट (www.mospi.gov.in) पर अपलोड किया जाता है, वहीं खण्ड-II को सीडी-रोम पर प्रकाशित किया जाता है।

राष्ट्रीय सांख्यिकी कार्यालय (NSO) ने उ.वा.स. परिणामों की मुख्य विशेषताओं की तरफ ध्यान आकर्षित करने के लिए संक्षिप्त प्रकाशन के महत्व को मान्यता दी है। इस उद्देश्य को ध्यान में रखते हुए "कारखाना क्षेत्र का सार परिणाम" को पृथक प्रकाशन के रूप में लाया जा रहा है और इसे मंत्रालय की वेबसाइट (www.mospi.gov.in) पर अपलोड किया जा रहा है। इस प्रकाशन का उद्देश्य अखिल भारतीय और राज्य/संघ-राज्य क्षेत्र एवं राष्ट्रीय औद्योगिक वर्गीकरण-2008 (एन.आई.सी.-2008) के 2-अंकीय स्तर के प्रधान अभिलक्षणों पर विशेष तालिकाओं के माध्यम से उ.वा.स. परिणामों के सार दृष्टिकोण पर ध्यान केंद्रित करना है। यह रोजगार के आकार, पूंजी, सकल आउटपुट और निवल वर्धित मूल्य जैसे महत्वपूर्ण अभिलक्षणों के आधार पर कारखानों के वितरण की जानकारी भी देता है। प्रत्येक राज्य/संघ-राज्य क्षेत्र के साथ-साथ अखिल भारतीय स्तर पर कम से कम 80% अंशदान करने वाले प्रमुख उद्योगों से संबंधित तालिकाएं, क्षेत्रीय स्तर पर औद्योगिक परिदृश्य की छवि दर्शाती हैं। इसके अतिरिक्त, यह पंजीकृत विनिर्माण क्षेत्र में समय के साथ हुए परिवर्तनों की बेहतर परिकल्पना करने हेतु चार्ट और ग्राफ उपलब्ध कराता है।

इन खंडों को प्रकाशित करने हेतु राष्ट्रीय सांख्यिकी कार्यालय (NSO) के क्षेत्र कार्य प्रभाग एवं औद्योगिक सांख्यिकी स्कंध, डाटा क्वालिटी एश्योरेंस डिविजन के सभी अधिकारियों एवं कर्मचारियों के समर्पित प्रयासों की मैं प्रशंसा करता हूँ। मैं कारखाना प्रबंधन द्वारा संगत अभिलेखों से डाटा एकत्रित करने में क्षेत्र अधिकारियों को किये गए सहयोग की भी प्रशंसा करता हूँ।

इस रिपोर्ट के सुधार हेतु सुझावों का स्वागत है।

यश भद्र
संध्या कृष्णामूर्ति
महानिदेशक

राष्ट्रीय सांख्यिकी कार्यालय
सांख्यिकी एवं कार्यक्रम कार्यान्वयन मंत्रालय
भारत सरकार

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). The survey results are used extensively by the planners and policy makers, industry associations, research scholars and business & industry analysts.


The survey (ASI 2019-20) was conducted during April 2021 to January 2022 through ASI Web Portal. The field work was adversely affected due to the second wave of COVID-19 in the country.

As a matter of convention, the ASI results are published in two volumes. Volume I of the publication presents data relating to capital, employment, emoluments and several other economic parameters relevant to industrial sector such as (i) number of factories (ii) fixed/working capital (iii) total input (iv) total output (v) depreciation (vi) net value added etc. Volume II of the publication provides details on materials consumed and ex-factory value of products and by-products both at all India level as well as at the level of State/UTs. While Volume I is uploaded on the website of the Ministry (www.mospi.gov.in), Volume II is a CD-ROM publication.

National Statistical Office (NSO) recognized the importance of an abridged publication to draw attention to certain key features of the ASI results. With this objective in view, "Summary Results for Factory Sector" is being brought out as a separate publication and also uploaded on website of the Ministry (www.mospi.gov.in). This publication is intended to focus on a summary view of ASI results through special tables on principal characteristics at all India and State/UTs and at 2-digit level of National Industrial Classification-2008 (NIC). It also provides the distribution of factories by important characteristics such as size of employment, capital, gross output and net value added. The tables related to the major industries contributing at least 80% of the total output within each State/UT as well as at all India level provide a picture of the industrial scenario at regional level. Besides, it provides charts and graphs to help better visualization of the changes over time in the registered manufacturing sector.

I wish to place on record my appreciation for all the officers and staff members of Field Operations Division and Industrial Statistics Wing, Data Quality Assurance 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.


Sandhya Krishnamurthy
Director General
National Statistical Office
Ministry of Statistics & Programme Implementation
Government of India

New Delhi
August, 2022

उद्योगों का वार्षिक सर्वेक्षण: 2019-2020

विषय-वस्तु

कारखाना क्षेत्र का सार परिणाम

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

अपनी परिसीमाओं सहित कोई भी 'ऐसा परिसर':-

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

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

1.1.4 उ.वा.स. 2014-15 से क्षेत्र का विस्तार कारखाना अधिनियम, 1948 की धारा 2(एम)(i) व 2(एम)(ii) के बाहर भी किया गया है। प्रारंभ में, 100 या उससे अधिक कर्मचारियों वाली वैसी इकाइयाँ जो कारखाना अधिनियम, 1948 के खंड 2(एम) (i) व 2(एम) (ii) के अंतर्गत पंजीकृत नहीं थी, परंतु जो बिजनेस रजिस्टर ऑफ एस्टेब्लिसमेंट (BRE) में राज्य सरकारों द्वारा तैयार तथा राष्ट्रीय सांख्यिकी कार्यालय (एन.एस.ओ.) के क्षेत्र संकार्य प्रभाग (एफ.ओ.डी.) द्वारा सत्यापित किसी भी सात अधिनियम/बोर्ड/प्राधिकरण जैसे, कंपनी अधिनियम, 1956; कारखाना अधिनियम, 1948; शॉप्स एंड कमर्शियल एस्टेब्लिसमेंट एक्ट; समिति रजिस्ट्रीकरण अधिनियम; कोऑपरेटिव सोसाइटीज एक्ट; खादि एवं ग्रामीण उद्योग बोर्ड; उद्योग निदेशालय (ज़िला उद्योग केंद्र) के अंतर्गत पंजीकृत हों, उन्हें भी चयन हेतु विचार किया जाता है।

1.1.5 यद्यपि उद्योगों के वार्षिक सर्वेक्षण के विषय क्षेत्र में देश की समस्त पंजीकृत विनिर्माण संस्थाएं शामिल हैं, तथापि रक्षा संस्थान, तेल संग्रहण एवं वितरण करने वाले डिपो, रेस्तरां, होटल, कैफे एवं कम्प्यूटर सेवाएं, विभागीय इकाइयाँ 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 2019-2020 का भौगोलिक विस्तार संपूर्ण देश है।

1.2 परिगणना एकक

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

1.3 उ.वा.स फ्रेम

1.3.1 उ.वा.स का फ्रेम प्रत्येक राज्य में मुख्य कारखाना निरीक्षक (मु.का.नि.) द्वारा रखी जा रही पंजीकृत कारखाना इकाइयाँ 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 दिया जाता है 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 इकाइयाँ 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 अनस्तित्व, अपंजीकरण, तथा कवरेज से बाहर होने जैसे विभिन्न कारणों से निकाल जाते हैं।

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

1.4 संदर्भ अवधि

1.4.1 उ.वा.स. 2019-2020 की संदर्भ अवधि कारखाना का लेखा वर्ष था, जो वित्तीय वर्ष 2019-2020 के दौरान किसी भी दिन समाप्त हो सकता था। अतः उ.वा.स. 2019-2020 में विभिन्न स्थापनाओं से संग्रहित किए गए आँकड़े उनके अपने लेखा वर्ष से संबन्धित हैं, जो 1 अप्रैल, 2019 व 31 मार्च, 2020 के बीच किसी भी दिन समाप्त हुए थे। यह सर्वेक्षण अप्रैल, 2021 से जनवरी, 2022 के दौरान आयोजित किया गया था। देश में कोविड-19 के द्वितीय लहर के कारण क्षेत्र कार्य (फील्ड वर्क) स्थगित/प्रतिकूल रूप से प्रभावित हुआ था।

1.5 प्रतिदर्श डिज़ाइन एवं प्रतिदर्श आबंटन

1.5.1 उ.वा.स. 2019-2020 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 की निम्नलिखित इकाइयाँ हैं:

(क) सभी औद्योगिक इकाइयाँ, जो औद्योगिक रूप से नौ कम विकसित राज्य/संघ-राज्य क्षेत्र यथा- अरुणाचल प्रदेश, मणिपुर, मेघालय, नागालैंड, सिक्किम, त्रिपुरा, मिज़ोरम, अंडमान एवं निकोबार 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) छः राज्यों/संघ-राज्य क्षेत्रों यथा- जम्मू और कश्मीर, हिमाचल प्रदेश, राजस्थान, बिहार, छत्तीसगढ़ और केरल की वैसी इकाइयाँ जिनमें 75 या अधिक कर्मचारी काम करते हैं;
- (ii) तीन राज्यों/ संघ-राज्य क्षेत्रों यथा-चंडीगढ़, दिल्ली तथा पुडुच्चेरी की वैसी इकाइयाँ जिनमें 50 या अधिक कर्मचारी काम करते हैं;
- (iii) शेष राज्यों/संघ-राज्य क्षेत्रों जो उपरोक्त (i) तथा (ii) में उल्लिखित नहीं हैं के लिए वैसी इकाइयाँ जिनमें 100 या इससे ज्यादा कामगर हों;
- (iv) संयुक्त रिटर्न के अंतर्गत आनेवाली सभी इकाइयाँ जहाँ संयुक्त रिटर्न तभी मान्य है जब एक ही प्रबंधन के अंतर्गत, एक ही राज्य/संघ-राज्य क्षेत्र 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, विद्युत उत्पादन कार्य तथा 'बीडी' बनाने का कार्य शामिल है। इस प्रकार, संक्षेप में, क्षेत्र है- (i) बीडी (ii) विनिर्माण और (iii) विद्युत। स्ट्राटा से संबन्धित सभी इकाइयाँ (अर्थात् राज्य x जिला x क्षेत्र x तीन अंकीय एन.आई.सी - 2008 के आधार पर निर्मित) जो चार इकाइयों के बराबर या उससे कम हैं, की संपूर्ण परिगणना की जाती है और अतः 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 एन.आई.सी -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 भी हो सकती है।

(च) इन चार उप-प्रतिदर्शों में से दो पूर्व-निर्दिष्ट उप-प्रतिदर्श राष्ट्रीय सांख्यिकी कार्यालय (NSO) (क्षे.सं.प्र.) 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) (क्षे.सं.प्र.) 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 कैनवस 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) (क्षे.सं.प्र.) द्वारा संग्रहित तथा औ.सां.स्कंध, डाटा क्वालिटी एश्योरेंस डिविजन (DQAD), 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) (क्षे.सं.प्र.) को दिए गए दो उप-प्रतिदर्शों की सभी इकाइयों व राज्य/संघ-राज्य क्षेत्र को दिए गए दो उप-प्रतिदर्शों की आवश्यकता पड़ती है।

1.5.3 उल्लेखनीय है कि प्रतिदर्शों को सभी स्ट्राटा से 10% समग्र प्रतिदर्श अंश समझकर लिया गया है। 'खुला', 'अचल आस्तियों व मेनटेनिंग स्टाफ सहित विद्यमान परंतु उत्पादन रहित' तथा 'अचल आस्तियों सहित परंतु मेनटेनिंग स्टाफ व उत्पादन रहित' स्थिति वाली इकाइयों वाले लाइव फ्रेम का आकार 2,48,345 था। इनमें से 54,515 इकाइयाँ गणना क्षेत्र से संबन्धित थी, जबकि शेष 1,93,830 इकाइयाँ प्रतिदर्श क्षेत्र से संबन्धित थी। उ.वा.स. 2019-20 हेतु कुल प्रतिदर्श आकार 77,737 (गणना 54,515 तथा प्रतिदर्श 23,222) इकाइयाँ थी।

1.6 प्राक्कलन पद्धति

1.6.1 प्राक्कलन की विशेषताओं की पद्धतियों को *परिशिष्ट-II* में दिखाया गया है।

1.6.2 कुछ चयनित इकाइयों के संबंध में सर्वेक्षण के दौरान पाया जाता है कि इकाई दिए गए स्थान पर विद्यमान थी और संदर्भ अवधि के दौरान कुछ कामगार भी काम में लगे हुए थे, परंतु विभिन्न कारणों से संदर्भ अवधि में उनका उत्पादन शुरू नहीं हुआ था और जो समस्याओं का समाधान होने पर किसी भी क्षण उत्पादन प्रारंभ कर 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 साथ सभी मापदण्डों जैसे, आस्तियों, रोजगार, इत्यादि में 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 नहीं 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, राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा संग्रहित तथा औ.सां.स्कंध, डाटा क्वालिटी एश्योरेंस डिविजन (DQAD), 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। मूल्यांकों को हजार या लाख रु. के पूर्णांक में लिखा जाता है। अखिल भारतीय आँकड़ों को अलग से पूर्णांक में लिखा जाता है जो राज्य/संघ-राज्य क्षेत्र आँकड़ों के योग से मेल नहीं भी खा सकते हैं। इसी प्रकार, सर्व-उद्योग आँकड़े अलग-अलग उद्योग आँकड़ों के योग से मेल नहीं भी खा सकते हैं। विभिन्न स्तरों पर उद्योगों के विलयन के कारण (पैरा 1.9.2), निम्न स्तर की उद्योगवार कुल संख्या का मेल परवर्ती उच्चतर संख्या से नहीं भी हो सकता है।

1.7 जाँच की अनुसूची

1.7.1 उ.वा.स. 2019-20 की अनुसूची के दो भाग हैं। भाग-1, जिसका संसाधन औ.सां.स्कंध, डाटा क्वालिटी एश्योरेंस डिविजन (DQAD), 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 घंटे, अनुपस्थिति, श्रमिकावर्त, उपार्जन एवं सामाजिक सुरक्षा लाभों के बारे में डाटा एकत्रित करना है।

1.7.2 उ.वा.स. 2019-20 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 (एन.पी.सी.एम.एस), 2011, जो औद्योगिक सांख्यिकी स्कंध, कोलकाता द्वारा विकसित एक 7-अंकीय उत्पाद वर्गीकरण है, सी.पी.सी. के अनुच्छेद 0 से 4, संस्करण-2.0 पर आधारित है, जिसका संबंध विनिर्माण क्षेत्र के उत्पादों से है। एन.पी.सी.एम.एस-2011 कोडों का प्रयोग उ.वा.स. 2010-11 से 2014-15 तक के उ.वा.स. अनुसूची के 'एच', 'आई' व 'जे' ब्लॉक में स्थित इनपुट आउटपुट मदों को दर्ज करने के लिए किया गया है। उ.वा.स. 2015-16 में, एन.पी.सी.एम.एस, 2011 का संशोधित संस्करण उ.वा.स. में संग्रहित इनपुट 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 क्रिया कलापों के वर्गीकरण के लिए एन.आई.सी-1970 का अनुसरण किया गया था। उस समय एन.आई.सी-1987 को चालू किया गया था जिसका उ.वा.स. 1997-98 तक अनुसरण किया गया। उ.वा.स. 1998-99 से उ.वा.स. 2003-04 तक एन.आई.सी-1998 का अनुसरण किया गया था। उ.वा.स. 2004-05 से वर्गीकरण की नई श्रेणी अर्थात् एन.आई.सी-2004 चालू की गई और इसे ही उ.वा.स. 2007-08 तक प्रयोग में लाया गया। उ.वा.स. 2008-09 से एन.आई.सी-2008 चालू किया गया। यह उ.वा.स. फ्रेम के सभी कारखानों को उनके द्वारा विनिर्मित मुख्य उत्पाद के मूल्य के आधार पर समुचित उद्योग समूहों के रूप में वर्गीकृत करती है। इस पद्धति से कोई इकाई किसी एक उद्योग समूह में केवल एक ही बार वर्गीकृत की जाती है, चाहे उक्त इकाई द्वारा विभिन्न उद्योग समूहों से संबंधित उत्पादों का विनिर्माण क्यों न किया जा रहा हो। इस रिपोर्ट में प्रस्तुत विभिन्न समूहों के प्राक्कलन दो या तीन या चार अंकीय स्तर के उद्योग एन.आई.सी 2008 वर्गीकरण से मेल खाते हैं। उ.वा.स. 2019-20 में एन.आई.सी.-2008 के 2-अंकीय एन.आई.सी. विभाजन 10-33, 38 व 58 और उप-वर्ग 01632, 01640 & 08932 के सभी कारखाने और अन्य कारखाने (सारणी 0 में सूचीकृत) भी शामिल हैं। इस प्रकाशन के लिए सारणी 0 उद्योगों के वर्गीकरण को वृहत् कोटि में दर्शाती है।

सारणी 0 : उद्योगों का वर्गीकरण वृहत वर्गों में

एन.आई.सी - 08	वृहत वर्गीकरण 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 (मलनिकासी)	
4520 (मोटर वाहनों की मरम्मत व रख रखाव)	
4540 (मोटर साईकिल व इनसे जुड़े अवयवों की बिक्री रखरखाव 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 (आवाज 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 औ.सां.स्कंध, डाटा क्वालिटी एश्योरेंस डिविजन(DQAD), राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा संसाधित केंद्रीय प्रतिदर्श डाटा पर आधारित होते हैं। उ.वा.स. 2019-2020 के परिणाम अखिल भारतीय स्तर में NIC-2008 के 2/3/4-अंकीय स्तर पर तथा राज्यों/संघ-राज्य क्षेत्रों के स्तर के लिए NIC-2008 के 2/3-अंकीय स्तर पर जारी किए जाते हैं। जबकि खंड-I अचल पूंजी तथा वर्धित मूल्य, रोजगार तथा मजदूर लागत, खपत इंधन आदि की सारणी से संबंधित 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- फैक्टरी क्षेत्र के सारांश परिणाम अखिल भारतीय/संघ-राज्य क्षेत्रों व NIC-2008 के 2-अंकीय स्तर के मुख्य अभिलक्षणों पर विशेष सारणियों के माध्यम से उ.वा.स परिणामों का सार दृष्टिकोण देने के उद्देश्य से तैयार किया जाता है। यह महत्वपूर्ण अभिलक्षणों जैसे रोजगार का आकार, पूंजी, सकल उत्पाद, निवल वर्धित मूल्य द्वारा कारखानों के वितरण को दर्शाता है।

1.9.2 सांख्यिकी संग्रहण अधिनियम, 2008 के अनुसार वैयक्तिक कारखानों के डाटा प्रकटीकरण निषिद्ध है। अतः अगर किसी राज्य में (एन.आई.सी-2008 के 2-अंकीय/3-अंकीय स्तर) के किसी उद्योग के अंतर्गत कारखानों की संख्या तीन से कम हो, तो संबंधित स्ट्रैटम के ऐसे सभी इकाईयों की पहचान छुपाने के लिए डाटा को समरूपी उद्योग से मिला दिया गया है। ऐसे विलयित उद्योगों की सूची परिशिष्ट VI में दी गई है। इसी तरह यदि अखिल भारतीय स्तर पर एन.आई.सी 4-अंकीय/3-अंकीय स्तर के अंतर्गत इकाईयों की संख्या तीन से कम है, तो 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 हैं क्योंकि इनका प्राक्कलन किसी चयनित प्रतिदर्श के आधार पर किया जाता है। अवलोकन की संख्या अपर्याप्त होने वाले वस्तुओं के लिए उपभोग

तथा उत्पादन का प्राक्कलन पृथक् रूप से नहीं किया जाता है। उन्हें 'अन्य' के अंतर्गत दर्शाया जाता है क्योंकि ऐसे मदों के प्राक्कलन संगत नहीं भी हो सकते हैं।

1.9.4 सारणीयन नीति के तहत एनआईसी-2008 के अनुसरण में विस्तृत सूचना का प्रकाशन उद्योग कोड 01,08,10 से 33,38 व 58 के अनुरूप करने का निर्णय लिया गया है। उ.वा.स. विस्तार के अंतर्गत अन्य सभी उद्योग कोडों के लिए 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 क्रॉस वर्गीकरण (cross classification) 2/3/4-अंकीय स्तर द्वारा वर्गीकृत हैं के लिए, छोटे प्रतिदर्श आकार की सीमा के अध्यधीन हैं और इस प्रकार प्रयोगकर्ता सावधानी से इन मापदण्डों के आकार तथा बदलाव की व्याख्या कर सकते हैं।

1.9.6 किन्हीं निश्चित मामलों में, कुछ अभिलक्षणों में, पिछले वर्ष की तुलना में असामान्य बढ़त/गिरावट हो सकती हैं, उसके 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/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।
- (ङ) 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 In addition to Sections 2(m)(i) & 2(m)(ii) of the Factories Act, 1948, bidi & cigar units, employing 10 or more workers with the aid of power and 20 or more workers without the aid of power and registered under the Bidi & Cigar Workers (Conditions of Employment) Act, 1966 are also covered in ASI. All electricity undertakings engaged in generation, transmission and distribution of electricity, not registered with the Central Electricity Authority (CEA) are also covered under ASI.

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

1.1.5 Although the scope of ASI extends to all registered manufacturing establishments in the country, defence establishments, oil storage and distribution depots, restaurants, hotels, café and computer services, departmental units such as railway workshops, RTC workshops, Govt. Mints, sanitary, water supply, gas storage units etc. are excluded from the purview of the Survey. The Survey is conducted annually under the statutory provisions of the Collection of Statistics Act 2008, as amended in 2017 and the Rules framed there-under in 2011. The geographical coverage of the Annual Survey of Industries 2019-2020 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 2019-2020 was the accounting year of the factory, ending on any day during the financial year 2019-2020. Thus in ASI 2019-2020, data collected from establishments relate to their respective accounting years that ended on any day between 1st April 2019 and 31st March 2020. Survey was conducted during April 2021 to January, 2022. The field work of ASI 2019-20 was suspended/affected adversely due to second wave of COVID-19 in the country.

1.5 *Sample Design and Sample Allocation*

1.5.1 As per sampling design adopted in ASI 2019-2020, 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 - 2008*) 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 Industrial Statistics (IS) Wing, Data Quality Assurance Division (DQAD), NSO) along with the state sample data while deriving the district level estimates for their respective State/UT.
- (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 10% from all strata. The size of the live frame containing units with status ‘open’, ‘Existing with fixed assets and maintaining staff but not having production’ and ‘Existing with fixed assets but not maintaining staff and not having production’ was 2,48,345. Of these, 54,515 units belonged to the Census Sector, while the remaining 1, 93,830 units formed the Sample Sector. Total sample size for ASI 2019-2020 was 77,737 (54,515 Census and 23,222 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 IS Wing, DQAD, 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 2019-2020 has two parts. Part-I which is processed at IS Wing, DQAD, 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 2019-2020 schedule is given as *Annexure –III*. The different concepts and definitions used in ASI survey are given in *Annexure-IV*.

1.8 *Classification of Industries*

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

1.8.2 The NIC-1970 was followed to classify economic activities of the factories from ASI 1973-74 to ASI 1988-89. NIC-1987 had then been introduced and followed till ASI 1997-98. NIC-1998 was then followed from ASI 1998-99 to ASI 2003-04. From ASI 2004-05, a new series of classification, i.e., NIC-2004 has been introduced and the same has been used till ASI 2007-08. From ASI 2008-09, NIC-2008 has been introduced. It classifies all the factories in the ASI frame in their appropriate industry groups on the basis of the principal product manufactured. This way a unit gets classified in one and only one industry group even though it might be manufacturing products belonging to different industry groups. The estimates for different aggregates presented in this report at two or three or four digit level of industry correspond to NIC-2008 classification. **All factories pertaining to 2-digit NIC divisions 10-33, 38 & 58 and sub-classes 01632, 01640 & 08932 of NIC-2008 and also other industries (listed in Table 0) are covered in ASI 2019-20. Table 0 shows the classification of industries into broad categories for this publication.**

Table 0: Classification of Industries into Broad Categories

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

1.9 Publications and Limitations

1.9.1 The results presented in this publication are based on the central sample data collected by FOD, NSO and processed by IS Wing, DQAD, NSO. The results of ASI 2019-2020 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 'कैजुअल्टी' माना जाता है। सारणी 1 गुणकों की गणना में 'इकाइयों की स्थिति' के विभिन्न मामलों दर्शाता है।

2.2 विवरण 0क उ.वा.स. 2019-20 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 'कैजुअल्टी' मामले शामिल नहीं हैं। विवरण 0ख एवं 0ग उ.वा.स. 2019-20 में सर्वेक्षण की स्थिति के अनुसार क्रमशः चयनित कारखानों की संख्या का पूर्ण और प्रतिशत वितरण दर्शाता है।

2.3 विवरण 1क वर्ष 2019-20 में सर्वेक्षण की स्थिति के अनुसार प्राक्कलित 'कारखानों की संख्या' (पूर्ण रूप में) दर्शाता है और विवरण 2क प्रत्येक राज्य/संघ-राज्य क्षेत्र के लिए सर्वेक्षण की स्थिति अनुसार 'चालू कारखानों की संख्या' का प्राक्कलन (पूर्ण रूप में) पृथक रूप से दर्शाता है। इस प्रकाशन में प्रस्तुत सभी दरें और अनुपात प्रत्येक 'चालू कारखानों' से प्राप्त किए गए हैं। विवरण 1ख तथा 2ख में संबन्धित प्रतिशत का वितरण दिया गया है।

2.4 विवरण 1क तथा 1ख में यह नोट किया जाए कि सर्वेक्षण के दौरान, लगभग 47,876 कारखानों (19.42%) 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 'रजिस्ट्रेशन रद्द होने या विस्तार-क्षेत्र के बाहर होने के कारण इकाई का नाम हटा दिया जाना' आदि कारणों से फ्रेम में नहीं होना चाहिए था, और 'वेट' (गुणक) की गणना करने में ऐसी इकाइयों को 'जीरो' मामले के रूप में माना जाता है। 2,46,504 प्राक्कलित 'कारखानों की संख्या' में से लगभग 1,97,143 (79.98%) कारखानों का स्टेटस कोड 1, 2 व 3 है और आदर्श रूप से केवल इन्हें ही वर्ष 2019-20 की अवधि के दौरान फ्रेम में मौजूद होना चाहिए था। इसके अतिरिक्त, केवल 1,485 कारखानों (0.60%) के संबंध में, जिन्होंने वर्तमान वर्ष में कोई डाटा नहीं दिया है (नन-रेस्पॉस), डाटा पिछले वर्ष से अध्यारोपित किया गया है। स्टेटस कोड 1, 2 व 3 वाले इकाइयों और पिछले वर्ष से अध्यारोपित की जाने वाली इकाइयों, को 'चालू इकाई' समझा जाता है और उनका प्रयोग उ.वा.स. 2019-20 पर आधारित रिपोर्टों में दिये गए सभी प्राक्कलनों, दरों और अनुपातों की गणना में होता है, जब तक कि अन्यथा उल्लिखित न हो।

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

कोड	गुणक की गणना का निरूपण
1, 2, 3	यदि केवल इकाई के लिए संगत महत्वपूर्ण सूचना उपलब्ध हो तो 'खुला' तथा 'चालू' मामला समझा जाता है। अन्यथा 'नन- रेस्पॉस (कैजुअल्टी)' माना जाता है।
4	सभी मापदंडों के लिए 'जीरो केस' माना जाता है।
5, 7, 8	'नन- रेस्पॉस (कैजुअल्टी)' 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 2019-20. 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 2019-20.

2.3 Statement 1A gives the estimated 'number of factories' (in absolute terms) in 2019-20 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 1A and 1B that during the survey, about 47,876 factories (19.42%) reported their status code 4. This indicates that these units should not have been present in the frame for the reasons like 'non-existence of unit and owner not traceable' or 'unit deleted due to de-registration or out of coverage', etc., and such units are treated as 'zero' cases in calculating the weights (multipliers). Of the estimated 2,46,504 'number of factories', about 1,97,143 factories (79.98%) are with status codes 1, 2 and 3 and ideally, only they should have been present in the frame during the period 2019-20. Further, data could be imputed from last year in respect of only 1,485 factories (0.60%), 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 2019-20 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	16	16	15
Andhra Pradesh	17002	3336	3161
Arunachal Pradesh	116	116	116
Assam	5297	1638	1439
Bihar	3471	1434	1373
Chandigarh	252	116	111
Chattisgarh	3919	1181	1131
Dadra and Nagar Haveli	1364	545	534
Daman and Diu	1684	501	495
Delhi	3280	1289	1253
Goa	712	364	363
Gujarat	28592	7735	7512
Haryana	11364	3882	3726
Himachal Pradesh	2703	976	922
Jammu and Kashmir	1028	516	508
Jharkhand	2902	916	858
Karnataka	14275	5178	5014
Kerala	7834	2566	2506
Ladakh	3	3	3
Madhya Pradesh	4842	2171	2053
Maharashtra	25890	8123	7542
Manipur	230	230	204
Meghalaya	191	191	158
Mizoram	216	216	215
Nagaland	190	190	190
Odisha	3131	1172	1084
Puducherry	731	352	348
Punjab	13120	2878	2815
Rajasthan	9785	3197	3048
Sikkim	84	84	84
Tamil Nadu	39030	12732	12339
Telangana	15344	3481	3270
Tripura	670	670	657
Uttar Pradesh	16297	5476	5290
Uttarakhand	3023	1274	1201
West Bengal	9757	2992	2752
All India	248345	77737	74290

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

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

State/UT	Status Code							Total
	Operating Units			'Zero' Units	Non-reporting (Casualty) Units			
	1	2	3	4	5	7	8	
A&N Islands	13	0	0	2	0	1	0	16
Andhra Pradesh	2465	210	76	410	70	45	60	3336
Arunachal Pradesh	74	31	10	1	0	0	0	116
Assam	1230	109	24	76	105	58	36	1638
Bihar	1090	167	33	83	47	10	4	1434
Chandigarh	99	3	1	8	3	1	1	116
Chattisgarh	1032	29	18	52	33	8	9	1181
Dadra and Nagar Haveli	459	5	6	64	0	1	10	545
Daman and Diu	416	7	9	63	1	1	4	501
Delhi	1025	35	20	173	6	1	29	1289
Goa	331	8	5	19	0	0	1	364
Gujarat	6512	44	106	850	27	25	171	7735
Haryana	3102	45	7	572	87	39	30	3882
Himachal Pradesh	802	12	15	93	50	1	3	976
Jammu and Kashmir	415	20	40	33	3	3	2	516
Jharkhand	702	35	36	85	28	22	8	916
Karnataka	4376	113	20	505	46	38	80	5178
Kerala	2175	231	18	82	28	9	23	2566
Ladakh	2	0	0	1	0	0	0	3
Madhya Pradesh	1849	70	19	115	49	14	55	2171
Maharashtra	6571	75	75	821	161	52	368	8123
Manipur	168	17	5	14	1	23	2	230
Meghalaya	147	2	8	1	25	8	0	191
Mizoram	179	25	4	7	1	0	0	216
Nagaland	159	16	7	8	0	0	0	190
Odisha	909	54	50	71	30	13	45	1172
Puducherry	296	16	3	33	0	2	2	352
Punjab	2470	34	36	275	25	5	33	2878
Rajasthan	2754	56	68	170	27	40	82	3197
Sikkim	78	1	1	4	0	0	0	84
Tamil Nadu	10488	754	47	1050	142	14	237	12732
Telangana	2338	42	281	609	12	39	160	3481
Tripura	376	216	53	12	5	8	0	670
Uttar Pradesh	4677	61	47	505	117	37	32	5476
Uttarakhand	1098	8	3	92	56	7	10	1274
West Bengal	2495	69	43	145	180	7	53	2992
All India	63372	2620	1194	7104	1365	532	1550	77737

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

State/UT	Status Code							Total
	Operating Units			'Zero' Units	Non-reporting (Casualty) Units			
	1	2	3	4	5	7	8	
A&N Islands	81.25	0.00	0.00	12.50	0.00	6.25	0.00	100.00
Andhra Pradesh	73.89	6.29	2.28	12.29	2.10	1.35	1.80	100.00
Arunachal Pradesh	63.79	26.72	8.62	0.86	0.00	0.00	0.00	100.00
Assam	75.09	6.65	1.47	4.64	6.41	3.54	2.20	100.00
Bihar	76.01	11.65	2.30	5.79	3.28	0.70	0.28	100.00
Chandigarh	85.34	2.59	0.86	6.90	2.59	0.86	0.86	100.00
Chattisgarh	87.38	2.46	1.52	4.40	2.79	0.68	0.76	100.00
Dadra and Nagar Haveli	84.22	0.92	1.10	11.74	0.00	0.18	1.83	100.00
Daman and Diu	83.03	1.40	1.80	12.57	0.20	0.20	0.80	100.00
Delhi	79.52	2.72	1.55	13.42	0.47	0.08	2.25	100.00
Goa	90.93	2.20	1.37	5.22	0.00	0.00	0.27	100.00
Gujarat	84.19	0.57	1.37	10.99	0.35	0.32	2.21	100.00
Haryana	79.91	1.16	0.18	14.73	2.24	1.00	0.77	100.00
Himachal Pradesh	82.17	1.23	1.54	9.53	5.12	0.10	0.31	100.00
Jammu and Kashmir	80.43	3.88	7.75	6.40	0.58	0.58	0.39	100.00
Jharkhand	76.64	3.82	3.93	9.28	3.06	2.40	0.87	100.00
Karnataka	84.51	2.18	0.39	9.75	0.89	0.73	1.54	100.00
Kerala	84.76	9.00	0.70	3.20	1.09	0.35	0.90	100.00
Ladakh	66.67	0.00	0.00	33.33	0.00	0.00	0.00	100.00
Madhya Pradesh	85.17	3.22	0.88	5.30	2.26	0.64	2.53	100.00
Maharashtra	80.89	0.92	0.92	10.11	1.98	0.64	4.53	100.00
Manipur	73.04	7.39	2.17	6.09	0.43	10.00	0.87	100.00
Meghalaya	76.96	1.05	4.19	0.52	13.09	4.19	0.00	100.00
Mizoram	82.87	11.57	1.85	3.24	0.46	0.00	0.00	100.00
Nagaland	83.68	8.42	3.68	4.21	0.00	0.00	0.00	100.00
Odisha	77.56	4.61	4.27	6.06	2.56	1.11	3.84	100.00
Puducherry	84.09	4.55	0.85	9.38	0.00	0.57	0.57	100.00
Punjab	85.82	1.18	1.25	9.56	0.87	0.17	1.15	100.00
Rajasthan	86.14	1.75	2.13	5.32	0.84	1.25	2.56	100.00
Sikkim	92.86	1.19	1.19	4.76	0.00	0.00	0.00	100.00
Tamil Nadu	82.38	5.92	0.37	8.25	1.12	0.11	1.86	100.00
Telangana	67.16	1.21	8.07	17.49	0.34	1.12	4.60	100.00
Tripura	56.12	32.24	7.91	1.79	0.75	1.19	0.00	100.00
Uttar Pradesh	85.41	1.11	0.86	9.22	2.14	0.68	0.58	100.00
Uttarakhand	86.19	0.63	0.24	7.22	4.40	0.55	0.78	100.00
West Bengal	83.39	2.31	1.44	4.85	6.02	0.23	1.77	100.00
All India	81.52	3.37	1.54	9.14	1.76	0.68	1.99	100.00

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	2	15
Andhra Pradesh	11484	1480	523	1	0	17	3420	16925
Arunachal Pradesh	74	31	10	0	0	0	1	116
Assam	4232	508	99	6	0	5	347	5197
Bihar	2124	734	58	20	0	0	493	3429
Chandigarh	189	13	11	3	0	0	35	251
Chattisgarh	3357	71	74	14	2	4	370	3892
Dadra and Nagar Haveli	882	21	17	10	0	4	423	1357
Daman and Diu	1094	40	38	3	0	16	491	1682
Delhi	2155	107	70	6	0	34	888	3260
Goa	615	11	5	1	0	11	68	711
Gujarat	21579	259	449	25	0	170	5996	28478
Haryana	7533	164	20	85	0	21	3430	11253
Himachal Pradesh	1934	44	51	33	0	9	616	2687
Jammu and Kashmir	768	44	117	0	0	1	92	1022
Jharkhand	1969	212	199	8	0	2	485	2875
Karnataka	10413	522	46	23	0	38	3127	14169
Kerala	6336	898	50	2	0	16	495	7797
Ladakh	2	0	0	0	0	0	1	3
Madhya Pradesh	4147	106	35	15	0	26	443	4772
Maharashtra	18497	317	344	55	4	245	6148	25610
Manipur	168	17	5	0	0	0	14	204
Meghalaya	146	2	8	1	0	0	1	158
Mizoram	179	25	4	0	0	0	7	215
Nagaland	159	16	7	0	0	0	8	190
Odisha	2352	127	155	11	0	11	424	3080
Puducherry	509	59	3	0	0	1	155	727
Punjab	10504	169	169	25	0	10	2215	13092
Rajasthan	8055	224	333	4	2	31	1046	9695
Sikkim	78	1	1	0	0	0	4	84
Tamil Nadu	27292	3848	128	52	0	149	7368	38837
Telangana	8509	195	1871	1	0	59	4636	15271
Tripura	375	216	53	0	0	1	12	657
Uttar Pradesh	12663	188	127	57	1	42	3106	16184
Uttarakhand	2367	35	8	33	0	8	519	2970
West Bengal	8116	243	243	39	0	18	991	9650
All India	180868	10945	5330	532	9	944	47876	246504

* 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	86.67	0.00	0.00	0.00	0.00	0.00	13.33	100.00
Andhra Pradesh	67.85	8.74	0.01	0.01	0.00	0.10	20.21	100.00
Arunachal Pradesh	63.79	26.72	8.62	0.00	0.00	0.00	0.86	100.00
Assam	81.43	9.77	1.90	0.12	0.00	0.10	6.68	100.00
Bihar	61.94	21.41	1.69	0.58	0.00	0.00	14.38	100.00
Chandigarh	75.30	5.18	4.38	1.20	0.00	0.00	13.94	100.00
Chattisgarh	86.25	1.82	1.90	0.36	0.05	0.10	9.51	100.00
Dadra and Nagar Haveli	65.00	1.55	1.25	0.74	0.00	0.29	31.17	100.00
Daman and Diu	65.04	2.38	2.26	0.18	0.00	0.95	29.19	100.00
Delhi	66.10	3.28	2.15	0.18	0.00	1.04	27.24	100.00
Goa	86.50	1.55	0.70	0.14	0.00	1.55	9.56	100.00
Gujarat	75.77	0.91	1.58	0.09	0.00	0.60	21.05	100.00
Haryana	66.94	1.46	0.18	0.76	0.00	0.19	30.48	100.00
Himachal Pradesh	71.98	1.64	1.90	1.23	0.00	0.33	22.93	100.00
Jammu and Kashmir	75.15	4.31	11.45	0.00	0.00	0.10	9.00	100.00
Jharkhand	68.49	7.37	6.92	0.28	0.00	0.07	16.87	100.00
Karnataka	73.49	3.68	0.32	0.16	0.00	0.27	22.07	100.00
Kerala	81.26	11.52	0.64	0.03	0.00	0.21	6.35	100.00
Ladakh	66.67	0.00	0.00	0.00	0.00	0.00	33.33	100.00
Madhya Pradesh	86.90	2.22	0.73	0.31	0.00	0.54	9.28	100.00
Maharashtra	72.23	1.24	1.34	0.21	0.02	0.96	24.01	100.00
Manipur	82.35	8.33	2.45	0.00	0.00	0.00	6.86	100.00
Meghalaya	92.41	1.27	5.06	0.63	0.00	0.00	0.63	100.00
Mizoram	83.26	11.63	1.86	0.00	0.00	0.00	3.26	100.00
Nagaland	83.68	8.42	3.68	0.00	0.00	0.00	4.21	100.00
Odisha	76.36	4.12	5.03	0.36	0.00	0.36	13.77	100.00
Puducherry	70.01	8.12	0.41	0.00	0.00	0.14	21.32	100.00
Punjab	80.23	1.29	1.29	0.19	0.00	0.08	16.92	100.00
Rajasthan	83.08	2.31	3.43	0.04	0.02	0.32	10.79	100.00
Sikkim	92.86	1.19	1.19	0.00	0.00	0.00	4.76	100.00
Tamil Nadu	70.27	9.91	0.33	0.13	0.00	0.38	18.97	100.00
Telangana	55.72	1.28	12.25	0.01	0.00	0.39	30.36	100.00
Tripura	57.08	32.88	8.07	0.00	0.00	0.15	1.83	100.00
Uttar Pradesh	78.24	1.16	0.78	0.35	0.01	0.26	19.19	100.00
Uttarakhand	79.70	1.18	0.27	1.11	0.00	0.27	17.47	100.00
West Bengal	84.10	2.52	2.52	0.40	0.00	0.19	10.27	100.00
All India	73.37	4.44	2.16	0.22	0.00	0.38	19.42	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	11484	1480	523	1	0	17	13505
Arunachal Pradesh	74	31	10	0	0	0	115
Assam	4232	508	99	6	0	5	4850
Bihar	2124	734	58	20	0	0	2936
Chandigarh	189	13	11	3	0	0	216
Chattisgarh	3357	71	74	14	2	4	3522
Dadra and Nagar Haveli	882	21	17	10	0	4	934
Daman and Diu	1094	40	38	3	0	16	1191
Delhi	2155	107	70	6	0	34	2372
Goa	615	11	5	1	0	11	643
Gujarat	21579	259	449	25	0	170	22482
Haryana	7533	164	20	85	0	21	7823
Himachal Pradesh	1934	44	51	33	0	9	2071
Jammu and Kashmir	768	44	117	0	0	1	930
Jharkhand	1969	212	199	8	0	2	2390
Karnataka	10413	522	46	23	0	38	11042
Kerala	6336	898	50	2	0	16	7302
Ladakh	2	0	0	0	0	0	2
Madhya Pradesh	4147	106	35	15	0	26	4329
Maharashtra	18497	317	344	55	4	245	19462
Manipur	168	17	5	0	0	0	190
Meghalaya	146	2	8	1	0	0	157
Mizoram	179	25	4	0	0	0	208
Nagaland	159	16	7	0	0	0	182
Odisha	2352	127	155	11	0	11	2656
Puducherry	509	59	3	0	0	1	572
Punjab	10504	169	169	25	0	10	10877
Rajasthan	8055	224	333	4	2	31	8649
Sikkim	78	1	1	0	0	0	80
Tamil Nadu	27292	3848	128	52	0	149	31469
Telangana	8509	195	1871	1	0	59	10635
Tripura	375	216	53	0	0	1	645
Uttar Pradesh	12663	188	127	57	1	42	13078
Uttarakhand	2367	35	8	33	0	8	2451
West Bengal	8116	243	243	39	0	18	8659
All India	180868	10945	5330	532	9	944	198628

* 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	85.04	10.96	3.87	0.01	0.00	0.13	100.00
Arunachal Pradesh	64.35	26.96	8.70	0.00	0.00	0.00	100.00
Assam	87.26	10.47	2.04	0.12	0.00	0.10	100.00
Bihar	72.34	25.00	1.98	0.68	0.00	0.00	100.00
Chandigarh	87.50	6.02	5.09	1.39	0.00	0.00	100.00
Chattisgarh	95.32	2.02	2.10	0.40	0.06	0.11	100.00
Dadra and Nagar Haveli	94.43	2.25	1.82	1.07	0.00	0.43	100.00
Daman and Diu	91.86	3.36	3.19	0.25	0.00	1.34	100.00
Delhi	90.85	4.51	2.95	0.25	0.00	1.43	100.00
Goa	95.65	1.71	0.78	0.16	0.00	1.71	100.00
Gujarat	95.98	1.15	2.00	0.11	0.00	0.76	100.00
Haryana	96.29	2.10	0.26	1.09	0.00	0.27	100.00
Himachal Pradesh	93.38	2.12	2.46	1.59	0.00	0.43	100.00
Jammu and Kashmir	82.58	4.73	12.58	0.00	0.00	0.11	100.00
Jharkhand	82.38	8.87	8.33	0.33	0.00	0.08	100.00
Karnataka	94.30	4.73	0.42	0.21	0.00	0.34	100.00
Kerala	86.77	12.30	0.68	0.03	0.00	0.22	100.00
Ladakh	100.00	0.00	0.00	0.00	0.00	0.00	100.00
Madhya Pradesh	95.80	2.45	0.81	0.35	0.00	0.60	100.00
Maharashtra	95.04	1.63	1.77	0.28	0.02	1.26	100.00
Manipur	88.42	8.95	2.63	0.00	0.00	0.00	100.00
Meghalaya	92.99	1.27	5.10	0.64	0.00	0.00	100.00
Mizoram	86.06	12.02	1.92	0.00	0.00	0.00	100.00
Nagaland	87.36	8.79	3.85	0.00	0.00	0.00	100.00
Odisha	88.55	4.78	5.84	0.41	0.00	0.41	100.00
Puducherry	88.99	10.31	0.52	0.00	0.00	0.17	100.00
Punjab	96.57	1.55	1.55	0.23	0.00	0.09	100.00
Rajasthan	93.13	2.59	3.85	0.05	0.02	0.36	100.00
Sikkim	97.50	1.25	1.25	0.00	0.00	0.00	100.00
Tamil Nadu	86.73	12.23	0.41	0.17	0.00	0.47	100.00
Telangana	80.01	1.83	17.59	0.01	0.00	0.55	100.00
Tripura	58.14	33.49	8.22	0.00	0.00	0.16	100.00
Uttar Pradesh	96.83	1.44	0.97	0.44	0.01	0.32	100.00
Uttarakhand	96.57	1.43	0.33	1.35	0.00	0.33	100.00
West Bengal	93.73	2.81	2.81	0.45	0.00	0.21	100.00
All India	91.06	5.51	2.68	0.27	0.00	0.48	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 2019-20 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 2019-20, there have been 1,98,628 registered operating factories in all States and Union Territories except Union Territory of Lakshadweep. This is found to be higher by 0.75 percent than that of last year. These factories together have a total stock of fixed capital worth ₹ 36,41,35,165 Lakhs and invested capital ₹ 49,73,62,352 Lakhs. These are higher by 5.06 and 4.11 percent, respectively compared to those estimated in ASI 2018-19. These factories have provided gainful employment to 1,66,24,291 persons showing an increase of 2.11 percent with respect to the preceding year and distributed ₹ 4,91,72,897 Lakhs as emoluments to employees, showing an increase of 6.42 percent in one year. Those factories have consumed inputs both industrial and non-industrial in nature, worth ₹ 74,97,55,617 Lakhs to produce ₹ 89,83,30,129 Lakhs, worth of goods and services valued at ex-factory prices and contributed ₹ 12,12,64,771 Lakhs by way of net value added through manufacturing to the national income. The input and output have shown decline of 3.18% and 3.22% respectively, the net value added declined by 5.00% in ASI 2019-20 as compared to those estimated as per the previous ASI.

3.2 Structural Ratios and Technical Coefficients

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

3.2.2 Statement 4 reveals that the average size of the factory, measured in terms of value-based characteristics, like, fixed capital by manufacture has maintained a steady upward trend over years. As stated in the preceding paragraph, the increase in the fixed capital may be the combined result of the increase in physical output as well as the increase in prices. However, current year Gross Output and Net Value Added per factory in Operation have shown declined figures. This may be due to decrease of output whereas increase of factory in Operation from previous year. The survey results revealed that in 2019-20, a factory with an average investment of ₹ 1,833 Lakhs in fixed capital has provided gainful employment to 84 persons, produced goods and services at ex-factory prices worth ₹ 4,523 Lakhs and contributed ₹ 611 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 2019-20 has, on average, produced an output of ₹54,03,720 and contributed ₹ 7,29,443 to the national income by way of net value added through manufacturing. The corresponding averages in the preceding year are respectively ₹ 57,01,277 and ₹7,84,060.

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 3.00 in 2019-20 as compared to the previous year. The fixed capital required to produce one unit of ex-factory output has increased to 0.41. 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 decreased to 0.41 from 0.44 and the output to input ratio has remained constant to 1.20.

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

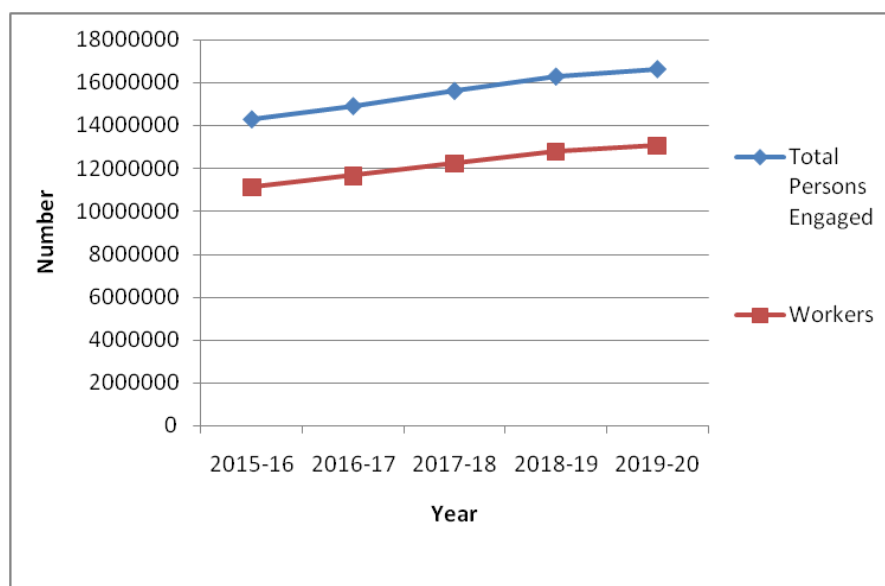


Figure 1 shows the number of workers and total persons engaged for the last five years i.e. 2015-16 to 2019-20. The above figure is showing an upward trend for both workers and total persons engaged in the last five years. Moreover, the total number of persons engaged is slightly steeper than the workers. It implies that the number of auxiliary employees, managerial staff etc. that are not directly linked with the production, is increasing over time in comparison to the employment directly linked to the production process.

Figure 2: Technical coefficients: All –India

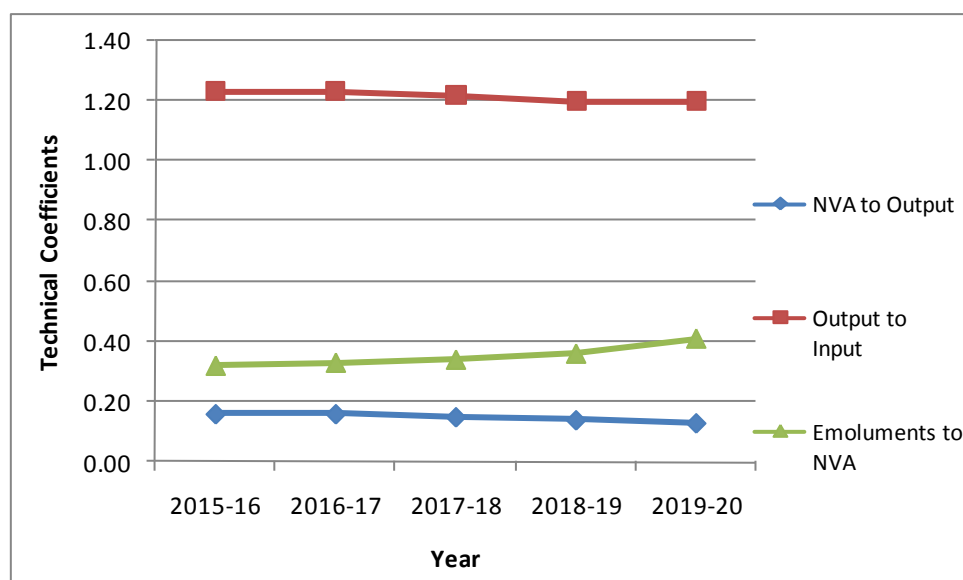


Figure 2 presents some technical coefficients for the last five years i.e. 2015-16 to 2019-20. Here the technical coefficients are estimated on the basis of NVA to output, output to input and emoluments to NVA. From the above figure, it is found that output to input ratio, indicating the industrial efficiency 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

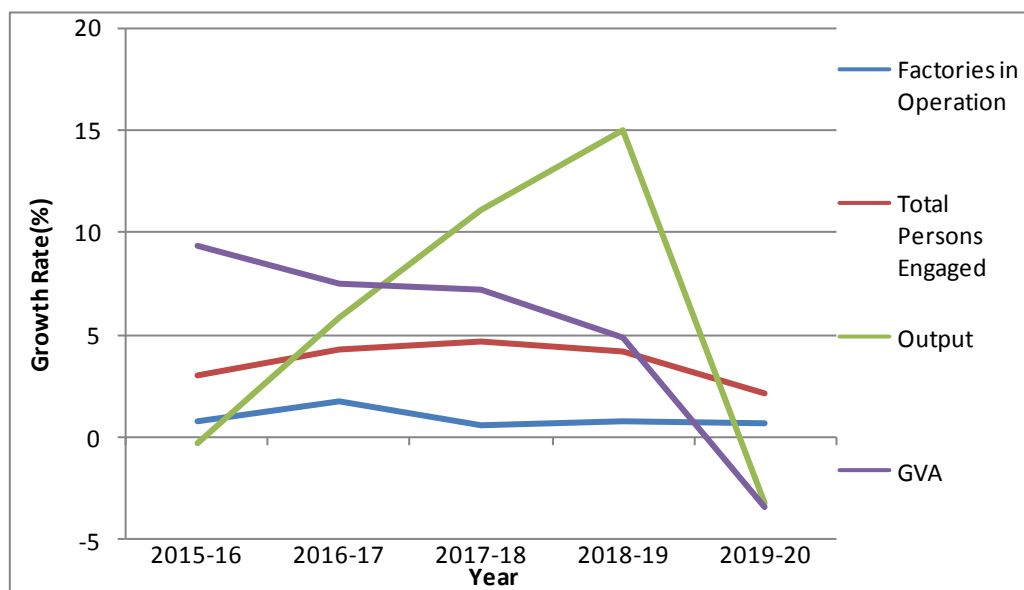


Figure 3 depicts the annual growth rates for Factories in Operation, Total Persons Engaged, Output and GVA for the last five years. All the growth rates in respect of the above mentioned parameters have decreased in 2019-20 as compared to last year in the organized factory sector.

Statement 3A: Value of Principal Characteristics

Characteristics	Unit	ASI Year				
		2015-16	2016-17	2017-18	2018-19	2019-20
Factories in Operation	Number	191062	194380	195584	197145	198628
Fixed Capital	₹ Lakhs	280964722	319038649	328588927	346606975	364135165
Invested Capital	₹ Lakhs	385309984	429625490	446094480	477726474	497362352
Workers	Number	11136133	11662947	12224422	12798588	13058156
Total Persons Engaged	Number	14299710	14911189	15614619	16280211	16624291
Wages to Worker	₹ Lakhs	15600116	17353716	19280066	21576035	22890520
Total Emoluments	₹ Lakhs	33975074	37516385	41835716	46207983	49172897
Input	₹ Lakhs	558907407	589746374	660520215	774377980	749755617
Output	₹ Lakhs	686235375	726551423	807217258	928179908	898330129
GVA	₹ Lakhs	127327968	136805049	146697043	153801928	148574512
Depreciation	₹ Lakhs	20079459	22213138	23729624	26155291	27309742
NVA	₹ Lakhs	107248509	114591911	122967418	127646637	121264771
Rent Paid for Fixed Assets	₹ Lakhs	1774760	1964321	2147363	512545	471423
Interest Paid	₹ Lakhs	18213736	18940173	18768379	19343714	18549872
Net Income	₹ Lakhs	90165276	97221421	105078789	107790378	102243476
Net Profit	₹ Lakhs	51319338	53935285	57624246	55652258	46947269

Statement 3B: Observed Growth Rate

Characteristics	Percentage Growth			
	2016-17 over 2015-16	2017-18 over 2016-17	2018-19 over 2017-18	2019-20 over 2018-19
Factories in Operation	1.74	0.62	0.80	0.75
Fixed Capital	13.55	2.99	5.48	5.06
Invested Capital	11.50	3.83	7.09	4.11
Workers	4.73	4.81	4.70	2.03
Total Persons Engaged	4.28	4.72	4.26	2.11
Wages to Worker	11.24	11.10	11.91	6.09
Total Emoluments	10.42	11.51	10.45	6.42
Input	5.52	12.00	17.24	-3.18
Output	5.87	11.10	14.99	-3.22
GVA	7.44	7.23	4.84	-3.40
Depreciation	10.63	6.83	10.22	4.41
NVA	6.85	7.31	3.81	-5.00
Rent Paid for Fixed Assets	10.68	9.32	-76.13	-8.02
Interest Paid	3.99	-0.91	3.07	-4.10
Net Income	7.83	8.08	2.58	-5.15
Net Profit	5.10	6.84	-3.42	-15.64

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

Structural Ratios	Unit	2015-16	2016-17	2017-18	2018-19	2019-20
Fixed Capital per Factory in Operation	₹ Lakhs	1471	1641	1680	1758	1833
Total Persons Engaged per Factory in Operation	Number	75	77	80	83	84
Workers per Factory in Operation	Number	58	60	63	65	66
Gross Output per Factory in Operation	₹ Lakhs	3592	3738	4127	4708	4523
Net Value Added per Factory in Operation	₹ Lakhs	561	590	629	647	611
Output per Person Engaged	₹	4798946	4872525	5169625	5701277	5403720
Gross Value Added per Person Engaged	₹	890423	917466	939485	944717	893719
Net Value Added per Person Engaged	₹	750005	768496	787515	784060	729443
Wages per Worker	₹	140086	148794	157718	168581	175297

Technical Coefficients						
Fixed Capital to Net Value Added		2.62	2.78	2.67	2.72	3.00
Fixed Capital to Output		0.41	0.44	0.41	0.37	0.41
Net Value Added to Output		0.16	0.16	0.15	0.14	0.13
Gross Value Added to Fixed Capital		0.45	0.43	0.45	0.44	0.41
Output to Input		1.23	1.23	1.22	1.20	1.20
Profit to Output		0.07	0.07	0.07	0.06	0.05
Contract Workers to Total Workers		0.36	0.36	0.36	0.38	0.38

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

4.1 Principal Characteristics

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

4.1.2 Out of 28 industries in terms of National Industrial Classification (NIC)-2008 2-digit codes under the coverage of the survey, major five employment providing industries were Food Products (11.10%), Textiles (9.80%), Wearing Apparel (7.58%), Basic Metals (7.25%) and Motor Vehicles, Trailers and Semi-trailers (6.51%). Figures within the bracket denote the percentage share in the total number of persons engaged by the industry. Thus, the above five industries engaged 42.24% of the total manpower in the factory sector. Figure 4 shows the relative position of major 10 employment producing industries along with their percentage shares.

4.1.3 Top six industries in terms of their percentage share in aggregate GVA were Chemicals and Chemical Products, Basic Metals, Pharmaceuticals, Medicinal Chemical & Botanical Products, Food Products, Motor Vehicles, Trailers and Semi-Trailers and Machinery and Equipment n.e.c.. They contributed a total of 50.80% of aggregate GVA with individual shares of 11.17%, 10.14%, 8.24%, 7.85%, 7.25% and 6.16% respectively. The above six industries also accounted for 46.59% of aggregate fixed capital. Figure 5 shows the relative position of major 10 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)	195 (NIC 01 - COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640))	36,110 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	1,833
Gross Output per Factory in Operation (₹ Lakhs)	723 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	77,573 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	4,523
Net Value Added per Factory in Operation (₹ Lakhs)	112 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	2,499 (NIC 30 - OTHER TRANSPORT EQUIPMENT)	611
Workers per Factory in Operation (Number)	18 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	187 (NIC 30 - OTHER TRANSPORT EQUIPMENT)	66
Total Persons Engaged per Factory in Operation (Number)	24 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	227 (NIC 30 - OTHER TRANSPORT EQUIPMENT)	84
Net Value Added per Engaged Person (₹)	2,82,909 (NIC 15 - LEATHER AND RELATED PRODUCTS)	18,04,033 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	7,29,443
Wages per Worker (₹)	48,197 (NIC 12 - TOBACCO PRODUCTS)	3,47,396 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	1,75,297

Figure 4: Percentage Share of Major Industries in Total Number of Persons Engaged in the Factory Sector: All –India

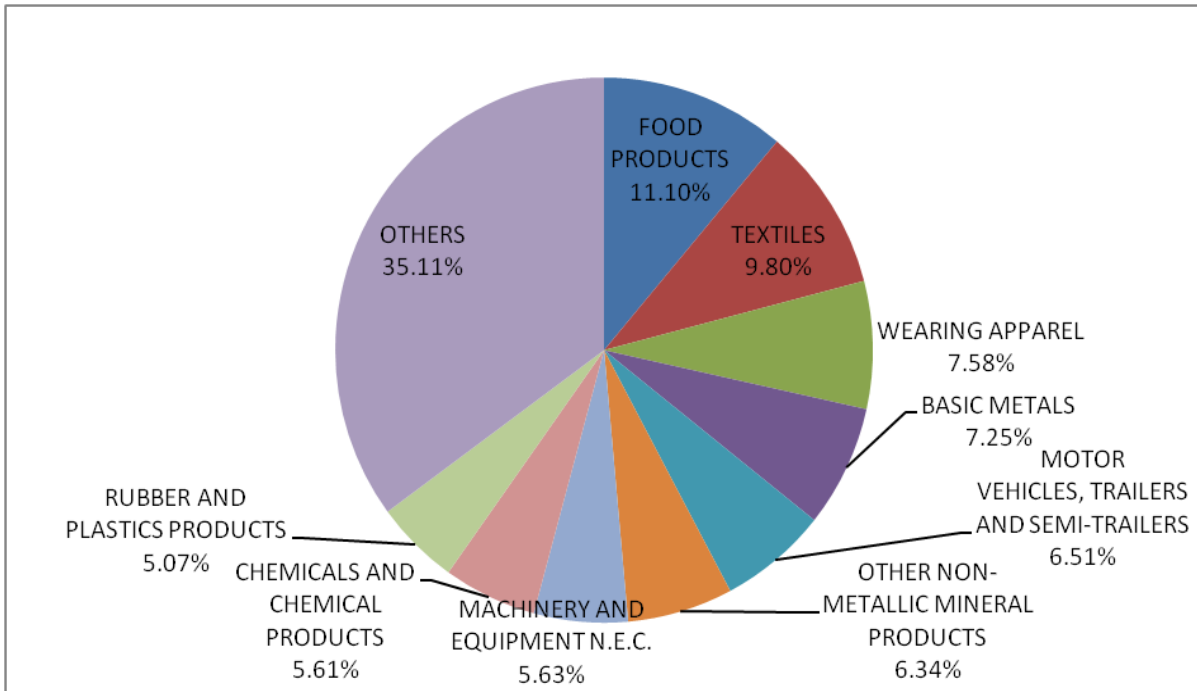
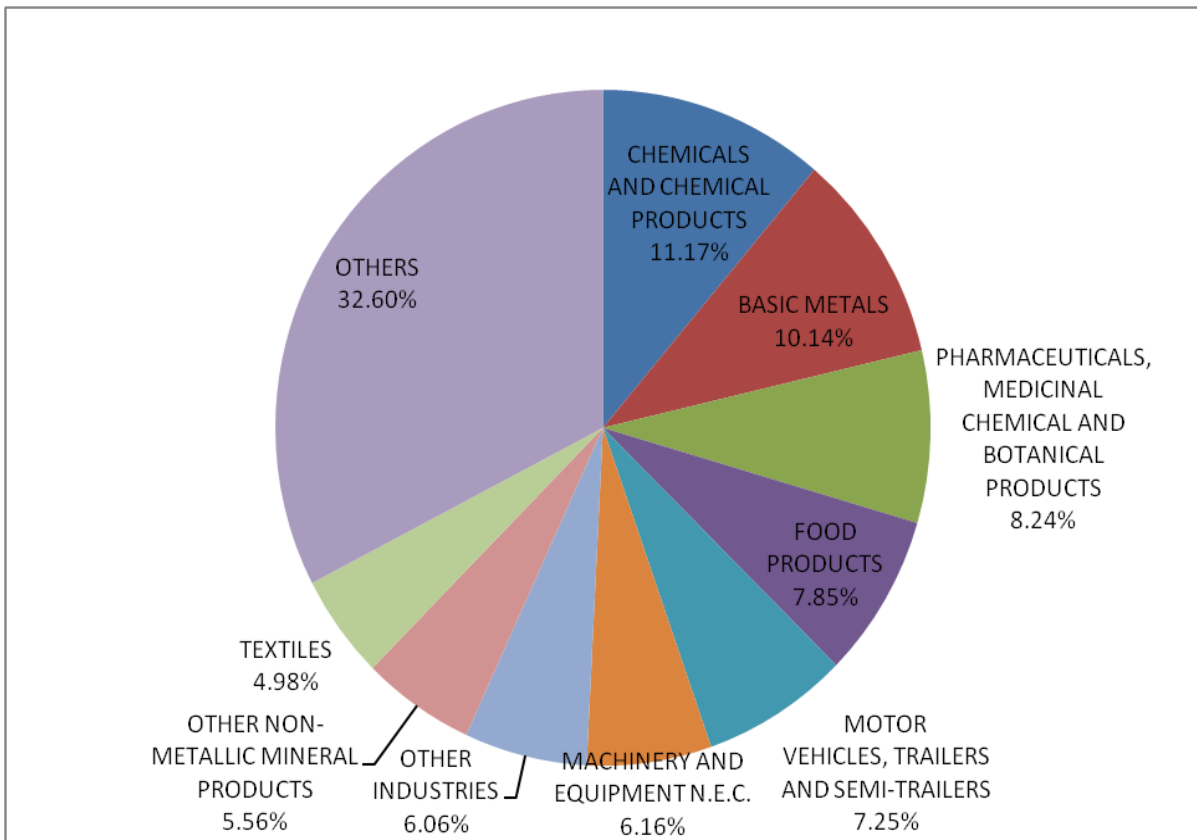


Figure 5: Percentage Share of Major Industries in Aggregate GVA by the Factory Sector: All –India



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

NIC-08	Description	No. of Operating Factories (no.)	Fixed Capital (₹ Lakhs)	Working Capital (₹ Lakhs)	Invested Capital (₹ Lakhs)	Gross Value of Plant and Machinery (₹ Lakhs)	Total Persons Engaged (no.)	Total Input (₹ Lakhs)	Total Output (₹ Lakhs)	GVA (₹ Lakhs)	NVA (₹ Lakhs)	% Share in Aggregate GVA
20	CHEMICALS AND CHEMICAL PRODUCTS	11073	32304885	10357516	42527045	35444463	932428	62720806	79309606	16588799	14291242	11.17
24	BASIC METALS	10106	67943524	3461835	87904898	70762995	1204877	104412087	119479836	15067749	11245137	10.14
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4501	13335890	11452640	20837662	11097807	807279	22627533	34865761	12238228	10996585	8.24
10	FOOD PRODUCTS	33245	22578702	10250470	43025575	17859153	1845131	112695971	124357019	11661048	9720207	7.85
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	5353	22691883	4990792	29650757	25936555	1082076	52069908	62842564	10772656	7906437	7.25
28	MACHINERY AND EQUIPMENT N.E.C.	10949	10785338	7837461	19130151	9173386	935811	30083947	39231342	9147395	7886400	6.16
OT	OTHER INDUSTRIES	11023	46478441	-1920153	48959965	45879936	515834	22781840	31781153	8999313	6524143	6.06
23	OTHER NON-METALLIC MINERAL PRODUCTS	23960	24223331	8709764	29994289	23203064	1054127	24359656	32624987	8265331	6419005	5.56
13	TEXTILES	13539	16684755	3011865	23372692	18296766	1629101	32340889	39744643	7403755	5940779	4.98
22	RUBBER AND PLASTICS PRODUCTS	11732	11852490	4615537	16570265	12069937	843562	26737176	33521363	6784188	5439740	4.57
27	ELECTRICAL EQUIPMENT	6076	6283390	6408759	12230245	5588992	635006	26487438	31929192	5441754	4727809	3.66
30	OTHER TRANSPORT EQUIPMENT	1855	5903985	2153438	8449327	5155463	421386	18188433	23411876	5223443	4634981	3.52
19	COKE AND REFINED PETROLEUM PRODUCTS	1402	50626032	-3755764	59051319	48539337	155030	103876784	108757631	4880847	2796792	3.29
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	12635	6716397	4272117	11247642	5125310	705038	18505026	23139983	4634958	3942273	3.12
14	WEARING APPAREL	8598	3441668	2399337	6593866	1656331	1260628	11955722	16036338	4080617	3746933	2.75
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1908	3032378	3720840	5980640	2258409	283470	18303238	21527624	3224386	2805821	2.17
32	OTHER MANUFACTURING	3033	1922093	2909930	5595591	1431481	435986	19861832	22559948	2698116	2472377	1.82
17	PAPER AND PAPER PRODUCTS	5931	6236966	1317882	8445308	6411915	323629	11135319	13694335	2559016	2054810	1.72
11	BEVERAGES	1893	4059785	1213501	5540384	3547996	187494	7148405	9244616	2096210	1731311	1.41
12	TOBACCO PRODUCTS	2740	608102	580703	1204658	565037	447064	2388323	4242699	1854377	1783932	1.25
15	LEATHER AND RELATED PRODUCTS	3949	1406327	567672	2703810	883895	426093	5326836	6687321	1360485	1205455	0.92
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	3255	1468881	792054	1988580	1455783	153914	3041133	4249223	1208090	1026498	0.81
31	MANUFACTURE OF FURNITURE	1711	678107	308294	1115262	317089	86844	1945884	2479624	533740	459591	0.36
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	3925	822068	552376	1466970	693350	95269	2314899	2838114	523215	438168	0.35
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	2841	554147	1249506	1665660	146051	67981	5953132	6429751	476619	409567	0.32
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	535	576625	659461	769632	141867	34384	1054641	1431684	377043	278447	0.25
58	PUBLISHING ACTIVITIES	288	306615	-63316	394898	466178	23431	452668	682544	229876	192502	0.15
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	430	544822	268287	849344	360476	21124	910779	1108912	198133	147977	0.13
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	139	67541	7271	95919	60205	10292	75312	120438	45126	39853	0.03
	ALL INDUSTRIES	198628	364135165	88330079	497362352	354529229	16624291	749755617	898330129	148574512	121264771	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
20	CHEMICALS AND CHEMICAL PRODUCTS	5.57	8.87	11.73	8.55	10.00	5.61	8.37	8.83	11.17	11.79
24	BASIC METALS	5.09	18.66	3.92	17.67	19.96	7.25	13.93	13.30	10.14	9.27
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2.27	3.66	12.97	4.19	3.13	4.86	3.02	3.88	8.24	9.07
10	FOOD PRODUCTS	16.74	6.20	11.60	8.65	5.04	11.10	15.03	13.84	7.85	8.02
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2.69	6.23	5.65	5.96	7.32	6.51	6.94	7.00	7.25	6.52
28	MACHINERY AND EQUIPMENT N.E.C.	5.51	2.96	8.87	3.85	2.59	5.63	4.01	4.37	6.16	6.50
OT	OTHER INDUSTRIES	5.55	12.76	-2.17	9.84	12.94	3.10	3.04	3.54	6.06	5.38
23	OTHER NON-METALLIC MINERAL PRODUCTS	12.06	6.65	9.86	6.03	6.54	6.34	3.25	3.63	5.56	5.29
13	TEXTILES	6.82	4.58	3.41	4.70	5.16	9.80	4.31	4.42	4.98	4.90
22	RUBBER AND PLASTICS PRODUCTS	5.91	3.25	5.23	3.33	3.40	5.07	3.57	3.73	4.57	4.49
27	ELECTRICAL EQUIPMENT	3.06	1.73	7.26	2.46	1.58	3.82	3.53	3.55	3.66	3.90
30	OTHER TRANSPORT EQUIPMENT	0.93	1.62	2.44	1.70	1.45	2.53	2.43	2.61	3.52	3.82
19	COKE AND REFINED PETROLEUM PRODUCTS	0.71	13.90	-4.25	11.87	13.69	0.93	13.85	12.11	3.29	2.31
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	6.36	1.84	4.84	2.26	1.45	4.24	2.47	2.58	3.12	3.25
14	WEARING APPAREL	4.33	0.95	2.72	1.33	0.47	7.58	1.59	1.79	2.75	3.09
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	0.96	0.83	4.21	1.20	0.64	1.71	2.44	2.40	2.17	2.31
32	OTHER MANUFACTURING	1.53	0.53	3.29	1.13	0.40	2.62	2.65	2.51	1.82	2.04
17	PAPER AND PAPER PRODUCTS	2.99	1.71	1.49	1.70	1.81	1.95	1.49	1.52	1.72	1.69
11	BEVERAGES	0.95	1.11	1.37	1.11	1.00	1.13	0.95	1.03	1.41	1.43
12	TOBACCO PRODUCTS	1.38	0.17	0.66	0.24	0.16	2.69	0.32	0.47	1.25	1.47
15	LEATHER AND RELATED PRODUCTS	1.99	0.39	0.64	0.54	0.25	2.56	0.71	0.74	0.92	0.99
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	1.64	0.40	0.90	0.40	0.41	0.93	0.41	0.47	0.81	0.85
31	MANUFACTURE OF FURNITURE	0.86	0.19	0.35	0.22	0.09	0.52	0.26	0.28	0.36	0.38
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	1.98	0.23	0.63	0.29	0.20	0.57	0.31	0.32	0.35	0.36
01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR	1.43	0.15	1.41	0.33	0.04	0.41	0.79	0.72	0.32	0.34
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	0.27	0.16	0.75	0.15	0.04	0.21	0.14	0.16	0.25	0.23
58	PUBLISHING ACTIVITIES	0.14	0.08	-0.07	0.08	0.13	0.14	0.06	0.08	0.15	0.16
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	0.22	0.15	0.30	0.17	0.10	0.13	0.12	0.12	0.13	0.12
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	0.07	0.02	0.01	0.02	0.02	0.06	0.01	0.01	0.03	0.03
	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)	195	24	18	2263	144	9458159	701106	602473	104334
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	486	74	67	866	287	1170210	438457	387223	103008
10	FOOD PRODUCTS	679	56	42	3741	292	6739739	631990	526803	142314
11	BEVERAGES	2145	99	77	4884	915	4930620	1118014	923395	173198
12	TOBACCO PRODUCTS	222	163	157	1548	651	949014	414790	399033	48197
13	TEXTILES	1232	120	102	2936	439	2439667	454469	364666	146933
14	WEARING APPAREL	400	147	127	1865	436	1272091	323697	297227	137519
15	LEATHER AND RELATED PRODUCTS	356	108	91	1693	305	1569451	319293	282909	136459
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	209	24	18	723	112	2979053	549198	459927	137203
17	PAPER AND PAPER PRODUCTS	1052	55	43	2309	346	4231492	790725	634928	163511
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	451	47	31	1305	315	2760777	784912	666930	186890
19	COKE AND REFINED PETROLEUM PRODUCTS	36110	111	85	77573	1995	70152636	3148324	1804033	347396
20	CHEMICALS AND CHEMICAL PRODUCTS	2917	84	63	7162	1291	8505708	1779097	1532691	203536
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2963	179	115	7746	2443	4318923	1515985	1362179	227742
22	RUBBER AND PLASTICS PRODUCTS	1010	72	57	2857	464	3973788	804231	644854	170653
23	OTHER NON-METALLIC MINERAL PRODUCTS	1011	44	36	1362	268	3094977	784093	608940	132191
24	BASIC METALS	6723	119	96	11823	1113	9916351	1250563	933302	249036
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	532	56	43	1831	312	3282090	657405	559158	181948
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1589	149	108	11283	1471	7594322	1137470	989812	203638
27	ELECTRICAL EQUIPMENT	1034	105	80	5255	778	5028172	856961	744530	191333
28	MACHINERY AND EQUIPMENT N.E.C.	985	85	61	3583	720	4192229	977483	842734	216272
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	4239	202	158	11740	1477	5807592	995554	730673	219926
30	OTHER TRANSPORT EQUIPMENT	3183	227	187	12621	2499	5555922	1239586	1099937	209648
31	MANUFACTURE OF FURNITURE	396	51	38	1449	269	2855262	614596	529214	174565
32	OTHER MANUFACTURING	634	144	115	7438	815	5174466	618854	567077	177637
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	1078	64	44	2676	520	4163809	1096565	809816	335111
38	WASTE COLLECTION, TREATMENT & DISPOSAL ACTIVITIES; MATERIALS RECOVERY	1267	49	38	2579	344	5249536	937952	700516	156208
58	PUBLISHING ACTIVITIES	1065	81	38	2370	668	2912996	981076	821570	279146
	OTHER INDUSTRIES	4216	47	33	2883	592	6161120	1744614	1264776	194604
	ALL INDUSTRIES	1833	84	66	4523	611	5403720	893719	729443	175297

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.

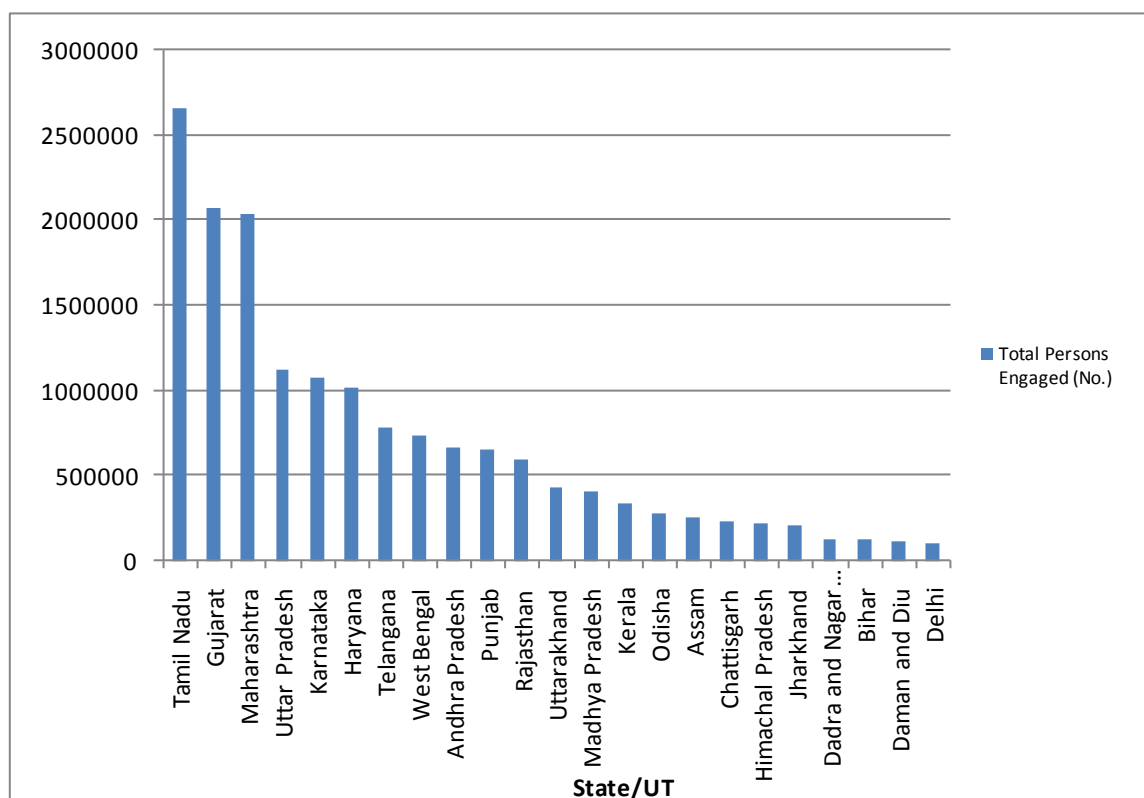
5.1.2 In 2019-20, the number of operating factories is reported highest in Tamil Nadu (15.84%) followed by Gujarat (11.32%). Gujarat's share is the highest in respect of aggregates gross value of plant and machinery (22.35%), fixed capital (20.56%), invested capital (19.34%), input (18.59%), total output (18.14%), gross value added (15.85%) and net value added (15.69%). Maharashtra occupies the first position by virtue of its contribution to working capital (15.30%) and total emoluments (16.85%). In terms of contribution to net value added, Gujarat is followed by Maharashtra (14.67%), Tamil Nadu (10.91%), Karnataka (7.25%) and Uttar Pradesh (5.97%) 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)	37,069 (Ladakh)	1,833
Gross Output per Factory in Operation (₹ Lakhs)	30 (Mizoram)	24,591 (Sikkim)	4,523
Net Value Added per Factory in Operation (₹ Lakhs)	12 (Mizoram)	11,810 (Sikkim)	611
Workers per Factory in Operation (Number)	7 (Mizoram)	219 (Sikkim)	66
Total Persons Engaged per Factory in Operation (Number)	8 (Mizoram)	288 (Sikkim)	84
Net Value Added per Person Engaged (₹)	1,19,538 (Tripura)	48,48,598 (Ladakh)	7,29,443
Wages per Worker (₹)	46,851 (Tripura)	2,50,530 (Goa)	1,75,297

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

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

State/UT	No. of Operating Factories (no.)	Fixed Capital (₹ Lakhs)	Working Capital (₹ Lakhs)	Invested Capital (₹ Lakhs)	Gross Value of Plant and Machinery (₹ Lakhs)	Total Persons Engaged (no.)	Total Emoluments (₹ Lakhs)	Total Input (₹ Lakhs)	Total Output (₹ Lakhs)	GVA (₹ Lakhs)	NVA (₹ Lakhs)	% Share in Aggregate GVA
Gujarat	22483	74856033	11043620	96172342	79229737	2068743	6365751	139404784	162953192	23548407	19025721	15.85
Maharashtra	19462	42320376	13516774	62312362	42465831	2038255	8287260	102390847	123976857	21586010	17793632	14.53
Tamil Nadu	31469	30725218	11354231	44976835	29428750	2663069	6787108	76337925	92735522	16397598	13229990	11.04
Karnataka	11042	22492822	7419978	31149746	22204456	1081116	3718193	45046778	55687658	10640880	8792590	7.16
Uttar Pradesh	13078	15294771	7591307	24756617	14277761	1130778	3138912	47795050	56269111	8474060	7244344	5.70
Haryana	7822	14227981	5528368	21511211	13560328	1023667	3388966	51466623	59630890	8164267	6587303	5.50
Rajasthan	8648	13067726	4352963	17774383	13766079	598791	1773322	26697552	32933342	6235790	5128763	4.20
Telangana	10635	9690004	6800001	14302114	8895692	787105	1835148	19739912	25493068	5753156	4923196	3.87
Uttarakhand	2450	5841571	2477360	8336981	5568832	437816	1156769	18647678	24068474	5420795	4864961	3.65
Andhra Pradesh	13504	20654656	2290232	27357821	17291239	663574	1784255	34876286	40046283	5169997	3798994	3.48
West Bengal	8659	13300889	94281	19728930	13249740	736165	1796002	31037641	35753186	4715545	3722935	3.17
Madhya Pradesh	4328	18741641	887020	22947689	18088261	413475	1170066	24531573	28925578	4394005	3298041	2.96
Odisha	2655	31867015	-2337107	36082035	30773626	281911	1014342	23481405	27670833	4189428	2727609	2.82
Punjab	10877	5624889	3065620	9744089	5418374	661932	1352403	17934461	21356458	3421998	2904789	2.30
Himachal Pradesh	2071	4699152	1166912	6185551	4034639	227975	712961	8472915	11718159	3245244	2839423	2.18
Jharkhand	2390	9892803	2212094	12193479	9860085	205976	816389	10910329	13738059	2827730	2206660	1.90
Chattisgarh	3522	11466364	1314736	14029038	11743036	228927	745754	14000035	16540759	2540724	1927593	1.71
Kerala	7301	5621182	1874983	7612714	3263494	341411	890811	19231806	21484484	2252678	1864044	1.52
Assam	4849	3185207	998000	4173065	2566033	263106	380280	5992796	7748672	1755876	1521363	1.18
Goa	643	1333049	995730	2075348	1358897	74197	331153	3125709	4591143	1465435	1312049	0.99
Dadra and Nagar Haveli	932	2958793	2004576	4183883	2862492	132695	349701	7837455	9184607	1347152	1126058	0.91
Sikkim	80	734106	261991	970232	261669	23039	92060	945777	1967242	1021465	944805	0.69
Daman and Diu	1191	1239408	1232653	1949111	869167	122078	315367	3445036	4419661	974625	840764	0.66
Jammu and Kashmir	930	832888	453068	1220350	671841	66759	156525	2276818	3006906	730088	657564	0.49
Bihar	2936	1501129	524274	2334141	1179736	128203	192353	6899222	7617888	718666	603224	0.48
Delhi	2371	688888	630317	1422142	361869	108232	364124	4019369	4670423	651054	577475	0.44
Puducherry	572	642177	283809	977631	666681	50958	149608	2064817	2679769	614952	554984	0.41
Meghalaya	157	358224	132648	478469	410190	12904	38706	571556	740369	168813	124374	0.11
Chandigarh	216	96626	106524	163235	70456	10167	37406	293268	352387	59119	50769	0.04
Tripura	645	49991	11916	81688	17246	24266	14961	138200	172792	34592	29007	0.02
Ladakh	2	74137	2143	75664	82389	214	1788	8776	24727	15951	10376	0.01
Nagaland	182	17982	14437	25893	10397	5361	3772	38557	51901	13343	11107	0.01
Manipur	190	14553	1530	21645	4824	6898	5445	39364	49845	10481	8700	0.01
Arunachal Pradesh	115	16100	20546	27817	13586	2581	3117	49294	59716	10422	8182	0.01
Mizoram	208	5436	1339	5844	446	1664	1455	3189	6300	3111	2523	0.00
A&N Islands	13	1378	1206	2258	1349	286	664	2813	3871	1058	860	0.00
All India	198628	364135165	88330079	497362352	354529229	16624291	49172897	749755617	898330129	148574512	121264771	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
Gujarat	11.32	20.56	12.50	19.34	22.35	12.44	12.95	18.59	18.14	15.85	15.69
Maharashtra	9.80	11.62	15.30	12.53	11.98	12.26	16.85	13.66	13.80	14.53	14.67
Tamil Nadu	15.84	8.44	12.85	9.04	8.30	16.02	13.80	10.18	10.32	11.04	10.91
Karnataka	5.56	6.18	8.40	6.26	6.26	6.50	7.56	6.01	6.20	7.16	7.25
Uttar Pradesh	6.58	4.20	8.59	4.98	4.03	6.80	6.38	6.37	6.26	5.70	5.97
Haryana	3.94	3.91	6.26	4.33	3.82	6.16	6.89	6.86	6.64	5.50	5.43
Rajasthan	4.35	3.59	4.93	3.57	3.88	3.60	3.61	3.56	3.67	4.20	4.23
Telangana	5.35	2.66	7.70	2.88	2.51	4.73	3.73	2.63	2.84	3.87	4.06
Uttarakhand	1.23	1.60	2.80	1.68	1.57	2.63	2.35	2.49	2.68	3.65	4.01
Andhra Pradesh	6.80	5.67	2.59	5.50	4.88	3.99	3.63	4.65	4.46	3.48	3.13
West Bengal	4.36	3.65	0.11	3.97	3.74	4.43	3.65	4.14	3.98	3.17	3.07
Madhya Pradesh	2.18	5.15	1.00	4.61	5.10	2.49	2.38	3.27	3.22	2.96	2.72
Odisha	1.34	8.75	-2.65	7.25	8.68	1.70	2.06	3.13	3.08	2.82	2.25
Punjab	5.48	1.54	3.47	1.96	1.53	3.98	2.75	2.39	2.38	2.30	2.40
Himachal Pradesh	1.04	1.29	1.32	1.24	1.14	1.37	1.45	1.13	1.30	2.18	2.34
Jharkhand	1.20	2.72	2.50	2.45	2.78	1.24	1.66	1.46	1.53	1.90	1.82
Chhattisgarh	1.77	3.15	1.49	2.82	3.31	1.38	1.52	1.87	1.84	1.71	1.59
Kerala	3.68	1.54	2.12	1.53	0.92	2.05	1.81	2.57	2.39	1.52	1.54
Assam	2.44	0.87	1.13	0.84	0.72	1.58	0.77	0.80	0.86	1.18	1.25
Goa	0.32	0.37	1.13	0.42	0.38	0.45	0.67	0.42	0.51	0.99	1.08
Dadra and Nagar Haveli	0.47	0.81	2.27	0.84	0.81	0.80	0.71	1.05	1.02	0.91	0.93
Sikkim	0.04	0.20	0.30	0.20	0.07	0.14	0.19	0.13	0.22	0.69	0.78
Daman and Diu	0.60	0.34	1.40	0.39	0.25	0.73	0.64	0.46	0.49	0.66	0.69
Jammu and Kashmir	0.47	0.23	0.51	0.25	0.19	0.40	0.32	0.30	0.33	0.49	0.54
Bihar	1.48	0.41	0.59	0.47	0.33	0.77	0.39	0.92	0.85	0.48	0.50
Delhi	1.19	0.19	0.71	0.29	0.10	0.65	0.74	0.54	0.52	0.44	0.48
Puducherry	0.29	0.18	0.32	0.20	0.19	0.31	0.30	0.28	0.30	0.41	0.46
Meghalaya	0.08	0.10	0.15	0.10	0.12	0.08	0.08	0.08	0.08	0.11	0.10
Chandigarh	0.11	0.03	0.12	0.03	0.02	0.06	0.08	0.04	0.04	0.04	0.04
Tripura	0.32	0.01	0.01	0.02	0.00	0.15	0.03	0.02	0.02	0.02	0.02
Ladakh	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.01	0.01
Nagaland	0.09	0.00	0.02	0.01	0.00	0.03	0.01	0.01	0.01	0.01	0.01
Manipur	0.10	0.00	0.00	0.00	0.00	0.04	0.01	0.01	0.01	0.01	0.01
Arunachal Pradesh	0.06	0.00	0.02	0.01	0.00	0.02	0.01	0.01	0.01	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
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
Gujarat	21120	69842096	10795975	90583062	73348647	2007345	6215683	131605160	153697526	22092365	17862972	15.89
Maharashtra	18124	40267722	13661215	59878625	40050433	1980207	8117729	99407559	120167662	20760103	17113889	14.93
Tamil Nadu	29581	26598364	11539701	40620446	25184412	2598179	6622904	74438069	90080417	15642348	12687764	11.25
Karnataka	9858	19657748	6825419	28111370	19051610	1040615	3603472	43503218	53511414	10008196	8331184	7.20
Haryana	7498	13558837	5449549	20666003	13011993	1001882	3327852	50263713	58223492	7959779	6430178	5.72
Uttar Pradesh	11733	13186646	6907099	22496339	11965188	1083194	3015645	46731283	54531847	7800564	6715623	5.61
Rajasthan	8224	9671151	4198970	14242329	10121906	577817	1714072	25715235	31408978	5693744	4787370	4.09
Telangana	9545	7239779	5456334	11351387	6694525	732877	1711480	17056788	22094538	5037751	4366163	3.62
Uttarakhand	2389	4304236	2519602	6785395	4577024	432865	1115791	18407039	23443078	5036039	4582061	3.62
Andhra Pradesh	12217	18962646	2554866	25514748	16043274	631545	1726142	33938597	38833716	4895119	3615397	3.52
West Bengal	8100	12234532	54631	18565805	12086462	716170	1738190	30562897	34992308	4429411	3528893	3.19
Odisha	2531	28844022	-1036450	32962714	27872607	270074	980489	22805824	26754842	3949018	2594721	2.84
Punjab	10401	5034614	2999536	9017533	6456959	645696	1320751	17423877	20706778	3282901	2798716	2.36
Madhya Pradesh	3901	9145381	1598107	13001913	9110825	380488	1060216	22166631	25407715	3241085	2566523	2.33
Himachal Pradesh	1936	2681393	1638437	4144910	2663330	219385	682051	8286350	11109635	2823285	2504065	2.03
Jharkhand	2222	8671398	2103382	10851930	8486086	194231	771736	10238500	12854789	2616288	2074562	1.88
Chhattisgarh	3349	8830317	2158432	11323015	9155211	218355	719046	13432988	15853273	2420285	1876001	1.74
Kerala	6512	5415102	1760675	7332770	3127218	308068	815266	18807355	20915832	2108477	1744938	1.52
Assam	4699	3130638	980881	4109032	2540663	257215	373157	5954813	7686219	1731405	1500951	1.25
Goa	600	1295870	994296	2031883	1323354	70959	323230	3050574	4498447	1447873	1297513	1.04
Dadra and Nagar Haveli	932	2958793	2004576	4183883	2862492	132695	349701	7837455	9184607	1347152	1126058	0.97
Sikkim	77	733317	260486	968137	261467	22858	91623	931403	1952087	1020683	944068	0.73
Daman and Diu	1191	1239408	1232653	1949111	869167	122078	315367	3445036	4419661	974625	840764	0.70
Bihar	2689	1399123	503851	2223157	1124594	123821	185078	6834875	7525449	690574	583597	0.50
Puducherry	561	638904	282411	972880	666158	50641	148496	2048921	2662144	613222	553403	0.44
Jammu and Kashmir	907	454381	568029	827430	427104	61022	130364	2092613	2668137	575524	527860	0.41
Delhi	2125	519837	704417	1189181	275770	89475	300925	2898318	3462990	564672	507313	0.41
Meghalaya	148	339595	126139	454914	389700	12562	37951	558607	723419	164812	121924	0.12
Chandigarh	187	75602	102651	123638	67274	8261	30969	256225	312575	56351	49570	0.04
Tripura	610	45932	9213	72252	17156	23501	13603	120880	152157	31277	26058	0.02
Nagaland	161	16005	12946	22633	10327	5054	3446	28059	39927	11867	9745	0.01
Arunachal Pradesh	115	16100	20546	27817	13586	2581	3117	49294	59716	10422	8182	0.01
Manipur	184	14006	1673	20762	4824	6741	5229	38957	48996	10039	8319	0.01
Mizoram	190	5162	1220	5546	446	1508	1316	3056	5893	2837	2286	0.00
Ladakh	1	5343	1437	6780	0	36	93	3116	5798	2681	2051	0.00
A&N Islands	8	1037	550	1483	1245	184	420	2046	2726	680	524	0.00
All India	184625	317035036	88993455	446640808	308443037	16030183	47572600	720945333	859998787	139053455	114291208	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>
Gujarat	11.44	22.03	12.13	20.28	23.78	12.52	13.07	18.25	17.87	15.89	15.63
Maharashtra	9.82	12.70	15.35	13.41	12.98	12.35	17.06	13.79	13.97	14.93	14.97
Tamil Nadu	16.02	8.39	12.97	9.09	8.17	16.21	13.92	10.33	10.47	11.25	11.10
Karnataka	5.34	6.20	7.67	6.29	6.18	6.49	7.57	6.03	6.22	7.20	7.29
Haryana	4.06	4.28	6.12	4.63	4.22	6.25	7.00	6.97	6.77	5.72	5.63
Uttar Pradesh	6.36	4.16	7.76	5.04	3.88	6.76	6.34	6.48	6.34	5.61	5.88
Rajasthan	4.45	3.05	4.72	3.19	3.28	3.60	3.60	3.57	3.65	4.09	4.19
Telangana	5.17	2.28	6.13	2.54	2.17	4.57	3.60	2.37	2.57	3.62	3.82
Uttarakhand	1.29	1.36	2.83	1.52	1.48	2.70	2.35	2.55	2.73	3.62	4.01
Andhra Pradesh	6.62	5.98	2.87	5.71	5.20	3.94	3.63	4.71	4.52	3.52	3.16
West Bengal	4.39	3.86	0.06	4.16	3.92	4.47	3.65	4.24	4.07	3.19	3.09
Odisha	1.37	9.10	-1.16	7.38	9.04	1.68	2.06	3.16	3.11	2.84	2.27
Punjab	5.63	1.59	3.37	2.02	1.63	4.03	2.78	2.42	2.41	2.36	2.45
Madhya Pradesh	2.11	2.88	1.80	2.91	2.95	2.37	1.80	3.07	2.95	2.33	2.25
Himachal Pradesh	1.05	0.85	1.84	0.93	0.86	1.37	1.43	1.15	1.29	2.03	2.19
Jharkhand	1.20	2.74	2.36	2.43	2.75	1.21	1.62	1.42	1.49	1.88	1.82
Chattisgarh	1.81	2.79	2.43	2.54	2.97	1.36	1.51	1.86	1.84	1.74	1.64
Kerala	3.53	1.71	1.98	1.64	1.01	1.92	1.71	2.61	2.43	1.52	1.53
Assam	2.55	0.99	1.10	0.92	0.82	1.60	0.78	0.83	0.89	1.25	1.31
Goa	0.32	0.41	1.12	0.45	0.43	0.44	0.68	0.42	0.52	1.04	1.14
Dadra and Nagar Haveli	0.50	0.93	2.25	0.94	0.93	0.83	0.74	1.09	1.07	0.97	0.99
Sikkim	0.04	0.23	0.29	0.22	0.08	0.14	0.19	0.13	0.23	0.73	0.83
Daman and Diu	0.65	0.39	1.39	0.44	0.28	0.76	0.66	0.48	0.51	0.70	0.74
Bihar	1.46	0.44	0.57	0.50	0.36	0.77	0.39	0.95	0.88	0.50	0.51
Puducherry	0.30	0.20	0.32	0.22	0.22	0.32	0.31	0.28	0.31	0.44	0.48
Jammu and Kashmir	0.49	0.14	0.64	0.19	0.14	0.38	0.27	0.29	0.31	0.41	0.46
Delhi	1.15	0.16	0.79	0.27	0.09	0.56	0.63	0.40	0.40	0.41	0.44
Meghalaya	0.08	0.11	0.14	0.10	0.13	0.08	0.08	0.08	0.08	0.12	0.11
Chandigarh	0.10	0.02	0.12	0.03	0.02	0.05	0.07	0.04	0.04	0.04	0.04
Tripura	0.33	0.01	0.01	0.02	0.01	0.15	0.03	0.02	0.02	0.02	0.02
Nagaland	0.09	0.01	0.01	0.01	0.00	0.03	0.01	0.00	0.00	0.01	0.01
Arunachal Pradesh	0.06	0.01	0.02	0.01	0.00	0.02	0.01	0.01	0.01	0.01	0.01
Manipur	0.10	0.00	0.00	0.00	0.00	0.04	0.01	0.01	0.01	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
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	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
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	106	22	17	298	66	1353497	369930	300699	180093
Andhra Pradesh	1530	49	40	2966	281	6034939	779114	572505	189058
Arunachal Pradesh	140	22	17	519	71	2313677	403797	317009	78127
Assam	657	54	45	1598	314	2945076	667364	578232	91300
Bihar	511	44	37	2595	205	5942051	560569	470523	103038
Chandigarh	447	47	29	1631	235	3465988	581479	499351	237581
Chhattisgarh	3256	65	53	4696	547	7225342	1109840	842012	217000
Dadra and Nagar Haveli	3175	142	115	9855	1208	6921592	1015224	848606	154509
Daman and Diu	1041	103	79	3711	706	3620358	798363	688710	141162
Delhi	291	46	30	1970	244	4315196	601536	533553	201720
Goa	2073	115	81	7140	2041	6187774	1975060	1768332	250530
Gujarat	3329	92	71	7248	846	7876918	1138295	919675	178292
Haryana	1819	131	103	7623	842	5825223	797551	643501	167143
Himachal Pradesh	2269	110	81	5658	1371	5140107	1423509	1245498	175037
Jammu and Kashmir	896	72	56	3233	707	4504121	1093617	984982	141011
Jharkhand	4139	86	71	5748	923	6669738	1372844	1071319	247219
Karnataka	2037	98	76	5043	796	5150942	984250	813288	211961
Kerala	770	47	36	2943	255	6292851	659814	545982	188713
Ladakh	37069	107	82	12364	5188	11554673	7453738	4848598	206135
Madhya Pradesh	4330	96	73	6683	762	6995726	1062701	797640	161379
Maharashtra	2175	105	75	6370	914	6082500	1059044	872984	221666
Manipur	77	36	30	262	46	722601	151943	126124	70890
Meghalaya	2282	82	68	4716	792	5737515	1308222	963841	159539
Mizoram	26	8	7	30	12	378606	186959	151623	95483
Nagaland	99	29	25	285	61	968122	248890	207181	58440
Odisha	12003	106	88	10422	1027	9815450	1486082	967543	236637
Puducherry	1123	89	72	4685	970	5258780	1206782	1089101	190548
Punjab	517	61	49	1963	267	3226382	516971	438835	141542
Rajasthan	1511	69	55	3808	593	5499973	1041397	856520	176174
Sikkim	9176	288	219	24591	11810	8538747	4433634	4100894	230328
Tamil Nadu	976	85	70	2947	420	3482280	615741	496795	158256
Telangana	911	74	62	2397	463	3238840	730926	625481	150661
Tripura	78	38	32	268	45	712075	142553	119538	46851
Uttar Pradesh	1170	86	68	4303	554	4976141	749401	640651	149143
Uttarakhand	2384	179	140	9824	1986	5497395	1238145	1111188	162043
West Bengal	1536	85	67	4129	430	4856681	640555	505720	160987
All India	1833	84	66	4523	611	5403720	893719	729443	175297

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

<i>State/UT</i>	<i>Fixed Capital per Factory in Operation (₹ Lakhs)</i>	<i>Total Persons Engaged per Factory in Operation (Number)</i>	<i>Workers per Factory in Operation (Number)</i>	<i>Gross Output per Factory in Operation (₹ Lakhs)</i>	<i>Net Value Added per Factory in Operation (₹ Lakhs)</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>
A&N Islands	130	23	18	341	66	1481522	369565	284783	166207
Andhra Pradesh	1552	52	42	3179	296	6149002	775102	572469	191578
Arunachal Pradesh	140	22	17	519	71	2313677	403797	317009	78127
Assam	666	55	46	1636	319	2988247	673135	583539	91130
Bihar	520	46	39	2799	217	6077684	557720	471323	102245
Chandigarh	404	44	28	1672	265	3783743	682133	600048	245853
Chattisgarh	2637	65	53	4734	560	7260321	1108417	859152	219510
Dadra and Nagar Haveli	3175	142	115	9855	1208	6921592	1015224	848606	154509
Daman and Diu	1041	103	79	3711	706	3620358	798363	688710	141162
Delhi	245	42	28	1630	239	3870344	631095	566989	202250
Goa	2160	118	83	7497	2163	6339502	2040436	1828539	253786
Gujarat	3307	95	73	7277	846	7656757	1100576	889881	178947
Haryana	1808	134	106	7765	858	5811412	794483	641810	167408
Himachal Pradesh	1385	113	83	5738	1293	5063990	1286909	1141402	173616
Jammu and Kashmir	501	67	53	2942	582	4372418	943142	865032	127561
Jharkhand	3903	87	72	5785	934	6618299	1346998	1068090	246309
Karnataka	1994	106	82	5428	845	5142287	961758	800602	212359
Kerala	832	47	37	3212	268	6789356	684419	566413	189229
Ladakh	5343	36	34	5798	2051	16105556	7447222	5697222	164706
Madhya Pradesh	2344	98	75	6513	658	6677665	851823	674535	157226
Maharashtra	2222	109	78	6630	944	6068439	1048380	864247	222698
Manipur	76	37	30	266	45	726836	148924	123409	69824
Meghalaya	2295	85	70	4888	824	5758788	1311989	970578	161064
Mizoram	27	8	7	31	12	390782	188130	151592	94770
Nagaland	99	31	27	248	61	790008	234804	192818	57055
Odisha	11396	107	89	10571	1025	9906486	1462199	960744	238916
Puducherry	1139	90	73	4745	986	5256895	1210920	1092796	190200
Punjab	484	62	50	1991	269	3206893	508428	433442	141568
Rajasthan	1176	70	56	3819	582	5435800	985389	828527	176295
Sikkim	9524	297	225	25352	12261	8540060	4465321	4130143	230292
Tamil Nadu	899	88	73	3045	429	3467060	602050	488333	157353
Telangana	758	77	64	2315	457	3014768	687394	595757	149125
Tripura	75	39	33	249	43	647449	133088	110880	44827
Uttar Pradesh	1124	92	73	4648	572	5034356	720145	619983	148271
Uttarakhand	1802	181	143	9813	1918	5415794	1163420	1058543	158419
West Bengal	1510	88	70	4320	436	4886034	618486	492745	161079
All India	1717	87	68	4658	619	5364872	867448	712975	175089

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 92.95% of the operating factories covered in ASI 2019-20 are engaged in selected manufacturing activities, 0.63% are engaged in the generation, transmission and distribution of electricity, gas, water supply etc. and the remaining 6.42% in 'other' activity including cotton ginning, cleaning and baling, extraction of salt and some repair services etc. Though the units involved in generation, transmission and distribution of electricity, gas, water supply are a few in numbers, they account for about 11.64% of the total fixed capital as against 1.29% share by the 'other' activities. The selected manufacturing activities account for about 87.07% of the fixed capital. The selected manufacturing sector, consistent with its large number of factories, accounts for 95.73% of the value of total output, which is produced by 96.43% of the total persons engaged. The electricity, gas, water sector contributes about 2.10% to the total output and is produced by 0.61% of the total persons engaged. The corresponding share of the 'other' activities in the value of total output is 2.17% which is produced by 2.96% of the total persons engaged. Of the estimated total net value added by registered manufacturing sector of ₹ 12,12,64,771 Lakhs, ₹ 11,42,91,208 Lakhs (94.25%) originate from selected manufacturing activities, ₹ 42,45,302 Lakhs (3.50%) from electricity, gas, water supply, and the remaining ₹ 27,28,261 Lakhs (2.25%) 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	184625	1245	12758	198628
Fixed Capital	₹ Lakhs	317035036	42388745	4711384	364135165
Productive Capital	₹ Lakhs	406028491	39911887	6524865	452465244
Invested Capital	₹ Lakhs	446640808	43495148	7226396	497362352
Workers	Number	12633332	80487	344337	13058156
Total Persons Engaged	Number	16030183	101915	492193	16624291
Wages to Workers	₹ Lakhs	22119622	214203	556695	22890520
Total Emoluments	₹ Lakhs	47572600	471252	1129045	49172897
Total Input	₹ Lakhs	720945333	12472789	16337495	749755617
Total Output	₹ Lakhs	859998787	18856704	19474637	898330129
GVA	₹ Lakhs	139053455	6383916	3137142	148574512
Depreciation	₹ Lakhs	24762246	2138614	408882	27309742
NVA	₹ Lakhs	114291208	4245302	2728261	121264771
Rent Paid for Fixed Assets	₹ Lakhs	435683	5442	30297	471423
Interest Paid	₹ Lakhs	15342585	2744931	462355	18549872
Net Income	₹ Lakhs	98512940	1494928	2235608	102243476
Net Profit	₹ Lakhs	45006135	953003	988130	46947269

**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	92.95	0.63	6.42	100.00
Fixed Capital	87.07	11.64	1.29	100.00
Productive Capital	89.74	8.82	1.44	100.00
Invested Capital	89.80	8.75	1.45	100.00
Workers	96.75	0.62	2.64	100.00
Total Persons Engaged	96.43	0.61	2.96	100.00
Wages to Workers	96.63	0.94	2.43	100.00
Total Emoluments	96.75	0.96	2.30	100.00
Total Input	96.16	1.66	2.18	100.00
Total Output	95.73	2.10	2.17	100.00
GVA	93.59	4.30	2.11	100.00
Depreciation	90.67	7.83	1.50	100.00
NVA	94.25	3.50	2.25	100.00
Rent Paid for Fixed Assets	92.42	1.15	6.43	100.00
Interest Paid	82.71	14.80	2.49	100.00
Net Income	96.35	1.46	2.19	100.00
Net Profit	95.87	2.03	2.10	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 as also certain 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 1,98,628 factories in operation, 1,34,577 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 (67.75%), it utilizes only 8.25% of the fixed capital, provides employment to 12.67% of the total persons engaged, produces 10.92% of the total output and generates 7.68% 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 11.33% of the operating factories, utilize 80.82% of the total fixed capital, provide gainful employment to 64.54% of the total persons engaged, produce 71.68% of the total output and generate 75.48% of net value added by manufacture. The very large operating factories, employing 5,000 or more employees each, constitute only 0.41% of the operating factories, however, engage 10.10% of total persons engaged, utilize 24.93% of the fixed capital, produce 16.73% of total output and contribute 11.91% 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

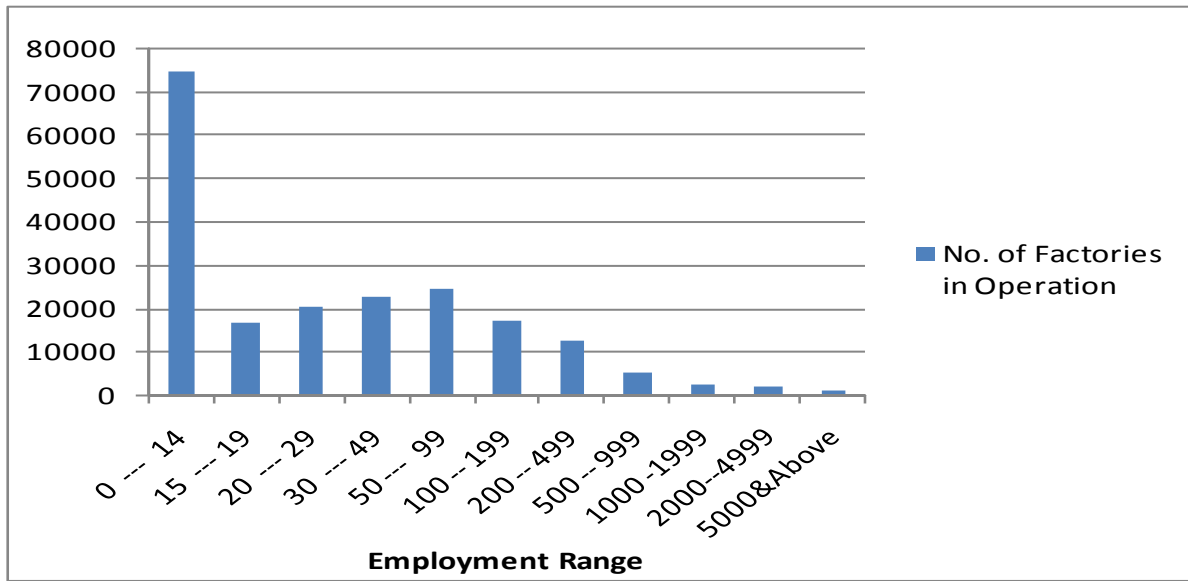
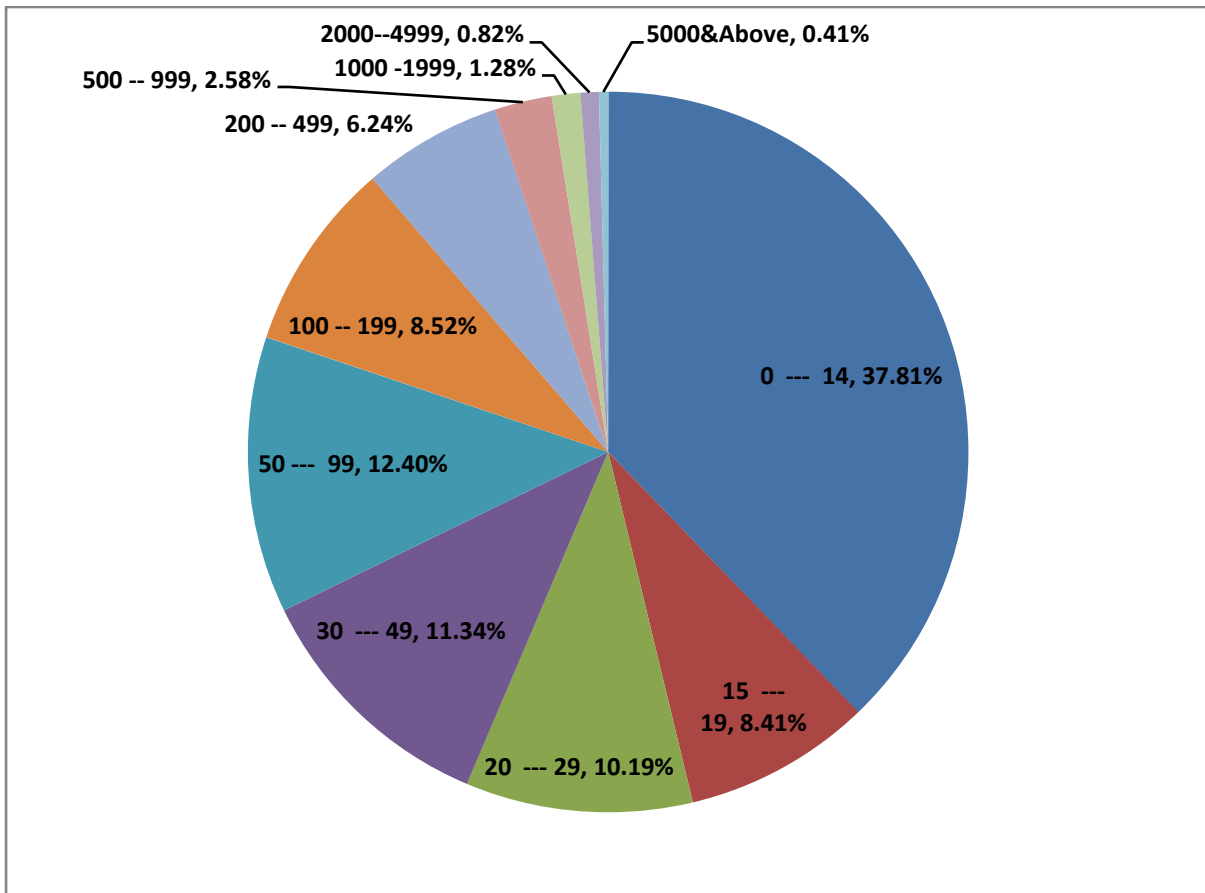


Figure 8: Percentage Distribution of Factories in Operation by Size of Employment: All - India



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	75109	11260981	4529394	15790375	15516019	333820	499331	383033
15 --- 19	16710	3736822	2892326	6629148	6142486	200507	279076	251672
20 --- 29	20236	5772431	3268921	9041352	9107320	352317	480570	468908
30 --- 49	22522	9238812	5111509	14350321	14555745	643812	847439	853743
50 --- 99	24638	16082034	12073889	28155923	26233028	1282169	1661919	1813536
100 -- 199	16915	23762912	9480501	33243413	36416380	1676075	2127760	2443979
200 -- 499	12395	46589204	16077313	62666517	70916572	2434100	3108108	4154355
500 -- 999	5122	44498760	14696182	59194941	64431382	1862556	2357753	3487827
1000 -1999	2542	57272850	11084292	68357141	74441527	1526396	1928244	3082858
2000--4999	1624	55149738	5009780	60159518	71270062	1312069	1655269	2806906
5000&Above	815	90770622	4105972	94876594	108331832	1434336	1678822	3143703
Total	198628	364135165	88330079	452465244	497362352	13058156	16624291	22890520

<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	737527	20200082	22733672	2533590	839612	1693978	11636	713888
15 --- 19	510361	14526312	16197020	1670708	355603	1315104	5618	404372
20 --- 29	1007064	20558982	23421055	2862073	509188	2352885	12675	507562
30 --- 49	1760413	30985482	35734741	4749258	798569	3950689	19221	815068
50 --- 99	3909361	59041667	68601830	9560163	1566130	7994033	26659	1342223
100 -- 199	5229193	73104434	87682150	14577716	2150621	12427095	33440	1680818
200 -- 499	9006142	120899538	147176381	26276842	4180341	22096501	55234	2868902
500 -- 999	7449096	92459832	116077828	23617996	3570820	20047176	52915	2688214
1000 -1999	6626425	88411186	111059945	22648759	4206263	18442496	52634	2547863
2000--4999	6522105	98796716	119394186	20597470	4093729	16503741	39138	2251241
5000&Above	6415210	130771385	150251322	19479938	5038864	14441074	162254	2729721
Total	49172897	749755617	898330129	148574512	27309742	121264771	471423	18549872

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

<i>Employment Range</i>	<i>Factories in Operation</i>	<i>Fixed Capital</i>	<i>Working Capital</i>	<i>Productive Capital</i>	<i>Invested Capital</i>	<i>Workers</i>	<i>Total Persons Engaged</i>	<i>Wages to Workers</i>
0 --- 14	37.81	3.09	5.13	3.49	3.12	2.56	3.00	1.67
15 --- 19	8.41	1.03	3.27	1.47	1.24	1.54	1.68	1.10
20 --- 29	10.19	1.59	3.70	2.00	1.83	2.70	2.89	2.05
30 --- 49	11.34	2.54	5.79	3.17	2.93	4.93	5.10	3.73
50 --- 99	12.40	4.42	13.67	6.22	5.27	9.82	10.00	7.92
100 -- 199	8.52	6.53	10.73	7.35	7.32	12.84	12.80	10.68
200 -- 499	6.24	12.79	18.20	13.85	14.26	18.64	18.70	18.15
500 -- 999	2.58	12.22	16.64	13.08	12.95	14.26	14.18	15.24
1000 -1999	1.28	15.73	12.55	15.11	14.97	11.69	11.60	13.47
2000--4999	0.82	15.15	5.67	13.30	14.33	10.05	9.96	12.26
5000&Above	0.41	24.93	4.65	20.97	21.78	10.98	10.10	13.73
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	1.50	2.69	2.53	1.71	3.07	1.40	2.47	3.85
15 --- 19	1.04	1.94	1.80	1.12	1.30	1.08	1.19	2.18
20 --- 29	2.05	2.74	2.61	1.93	1.86	1.94	2.69	2.74
30 --- 49	3.58	4.13	3.98	3.20	2.92	3.26	4.08	4.39
50 --- 99	7.95	7.87	7.64	6.43	5.73	6.59	5.66	7.24
100 -- 199	10.63	9.75	9.76	9.81	7.87	10.25	7.09	9.06
200 -- 499	18.32	16.13	16.38	17.69	15.31	18.22	11.72	15.47
500 -- 999	15.15	12.33	12.92	15.90	13.08	16.53	11.22	14.49
1000 -1999	13.48	11.79	12.36	15.24	15.40	15.21	11.16	13.74
2000--4999	13.26	13.18	13.29	13.86	14.99	13.61	8.30	12.14
5000&Above	13.05	17.44	16.73	13.11	18.45	11.91	34.42	14.72
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	69328	7214506	4293714	11508219	11082277	307895	458506	350452
15 --- 19	15417	2579559	2719712	5299271	4815942	185922	257577	233062
20 --- 29	18629	3724834	3214757	6939591	6867841	326099	443057	428953
30 --- 49	20773	6295524	4956591	11252115	11170402	597628	783147	785181
50 --- 99	23040	13667541	11606205	25273746	23336877	1209311	1557947	1689083
100 -- 199	16105	20379710	9518338	29898048	32564919	1614190	2040896	2337967
200 -- 499	11755	42815416	16561546	59376963	66761465	2365047	3006463	4015510
500 -- 999	4827	35616455	15680734	51297189	55144773	1814066	2295257	3378222
1000 -1999	2391	44206379	11403111	55609490	60882475	1486431	1877158	2998069
2000--4999	1546	49764492	4932774	54697266	65682004	1292408	1631352	2759419
5000&Above	815	90770622	4105972	94876594	108331832	1434336	1678822	3143703
Total	184625	317035036	88993455	406028491	446640808	12633332	16030183	22119622

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	670842	17583933	19546890	1962957	590551	1372406	8610	428663
15 --- 19	473274	13338060	14740576	1402516	272707	1129809	4881	303279
20 --- 29	925169	19162249	21591381	2429131	375474	2053657	10289	360965
30 --- 49	1628599	28572997	32737631	4164634	649571	3515063	15891	577401
50 --- 99	3661537	55675788	64451030	8775242	1402683	7372559	21203	1121108
100 -- 199	5000975	70434784	83991196	13556412	1974984	11581428	26665	1470034
200 -- 499	8705065	117257581	142151602	24894021	3902129	20991892	47172	2579819
500 -- 999	7213118	86703688	108605789	21902100	3166598	18735503	49256	2048933
1000 -1999	6444011	84549682	105368420	20818738	3580127	17238611	52129	1762904
2000--4999	6434800	96895185	116562950	19667765	3808559	15859206	37333	1959758
5000&Above	6415210	130771385	150251322	19479938	5038864	14441074	162254	2729721
Total	47572600	720945333	859998787	139053455	24762246	114291208	435683	15342585

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

<i>Employment Range</i>	<i>Factories in Operation</i>	<i>Fixed Capital</i>	<i>Working Capital</i>	<i>Productive Capital</i>	<i>Invested Capital</i>	<i>Workers</i>	<i>Total Persons Engaged</i>	<i>Wages to Workers</i>
0 --- 14	37.55	2.28	4.82	2.83	2.48	2.44	2.86	1.58
15 --- 19	8.35	0.81	3.06	1.31	1.08	1.47	1.61	1.05
20 --- 29	10.09	1.17	3.61	1.71	1.54	2.58	2.76	1.94
30 --- 49	11.25	1.99	5.57	2.77	2.50	4.73	4.89	3.55
50 --- 99	12.48	4.31	13.04	6.22	5.22	9.57	9.72	7.64
100 -- 199	8.72	6.43	10.70	7.36	7.29	12.78	12.73	10.57
200 -- 499	6.37	13.50	18.61	14.62	14.95	18.72	18.76	18.15
500 -- 999	2.61	11.23	17.62	12.63	12.35	14.36	14.32	15.27
1000 -1999	1.30	13.94	12.81	13.70	13.63	11.77	11.71	13.55
2000--4999	0.84	15.70	5.54	13.47	14.71	10.23	10.18	12.47
5000&Above	0.44	28.63	4.61	23.37	24.25	11.35	10.47	14.21
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	1.41	2.44	2.27	1.41	2.38	1.20	1.98	2.79
15 --- 19	0.99	1.85	1.71	1.01	1.10	0.99	1.12	1.98
20 --- 29	1.94	2.66	2.51	1.75	1.52	1.80	2.36	2.35
30 --- 49	3.42	3.96	3.81	2.99	2.62	3.08	3.65	3.76
50 --- 99	7.70	7.72	7.49	6.31	5.66	6.45	4.87	7.31
100 -- 199	10.51	9.77	9.77	9.75	7.98	10.13	6.12	9.58
200 -- 499	18.30	16.26	16.53	17.90	15.76	18.37	10.83	16.81
500 -- 999	15.16	12.03	12.63	15.75	12.79	16.39	11.31	13.35
1000 -1999	13.55	11.73	12.25	14.97	14.46	15.08	11.96	11.49
2000--4999	13.53	13.44	13.55	14.14	15.38	13.88	8.57	12.77
5000&Above	13.49	18.14	17.47	14.01	20.35	12.64	37.24	17.79
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	5	0	2	2	4	0	0	0	0	0	0	13	216	286
Andhra Pradesh	8883	854	948	875	749	427	410	198	101	50	9	13504	541799	663574
Arunachal Pradesh	64	12	9	17	8	4	1	0	0	0	0	115	1975	2581
Assam	1842	318	357	659	842	672	138	15	2	1	2	4849	219176	263106
Bihar	1534	153	169	205	453	348	57	13	4	1	0	2936	108416	128203
Chandigarh	127	11	20	18	16	11	10	3	0	0	0	216	6293	10167
Chattisgarh	1831	293	328	365	280	155	122	46	20	23	60	3522	185553	228927
Dadra and Nagar Haveli	98	112	63	113	176	140	118	45	39	2	26	932	107535	132695
Daman and Diu	304	105	136	128	157	162	91	60	16	26	7	1191	93792	122078
Delhi	984	266	220	245	287	171	148	37	11	1	0	2371	71352	108232
Goa	175	61	69	48	89	92	61	23	18	8	0	643	52017	74197
Gujarat	7809	2290	2514	2516	2770	1973	1473	620	231	248	38	22483	1589730	2068743
Haryana	1593	501	898	1130	1345	1012	801	300	122	77	42	7822	806160	1023667
Himachal Pradesh	534	104	222	315	344	250	196	82	23	1	0	2071	166950	227975
Jammu and Kashmir	457	54	76	108	101	52	60	19	2	0	1	930	51774	66759
Jharkhand	1057	222	317	244	301	90	69	32	18	8	33	2390	169248	205976
Karnataka	3696	877	1186	1174	1266	951	897	407	270	160	159	11042	839728	1081116
Kerala	3336	497	682	932	850	338	368	133	99	32	35	7301	261438	341411
Ladakh	0	0	0	1	0	1	0	0	0	0	0	2	163	214
Madhya Pradesh	1554	417	456	551	518	329	292	105	59	41	5	4328	315540	413475
Maharashtra	4817	1701	2064	2509	3227	2092	1815	699	372	132	34	19462	1454788	2038255
Manipur	62	32	20	38	30	7	0	0	1	0	0	190	5675	6898
Meghalaya	65	23	21	9	17	7	8	3	4	0	0	157	10635	12904
Mizoram	196	7	3	1	1	0	0	0	0	0	0	208	1417	1664
Nagaland	100	19	19	8	28	7	0	1	0	0	0	182	4591	5361
Odisha	1301	260	274	270	187	142	101	58	31	12	20	2655	233455	281911
Puducherry	246	26	64	35	65	47	50	24	13	1	0	572	40902	50958
Punjab	4015	1257	1604	1773	1139	455	341	162	77	46	9	10877	528933	661932
Rajasthan	3399	855	883	1003	1058	689	472	161	62	45	21	8648	475252	598791
Sikkim	7	3	5	5	16	14	15	9	5	1	0	80	17482	23039
Tamil Nadu	11252	2442	2982	3355	3986	3003	2170	1010	505	507	258	31469	2209217	2663069
Telangana	5699	819	926	925	975	458	421	208	121	51	33	10635	656397	787105
Tripura	350	17	23	28	140	77	9	1	0	0	0	645	20388	24266
Uttar Pradesh	3976	1192	1505	1684	1749	1573	902	328	112	45	12	13078	886908	1130778
Uttarakhand	471	154	205	254	351	452	314	144	77	21	4	2450	343377	437816
West Bengal	3271	756	966	979	1114	713	465	177	126	84	7	8659	579882	736165
All India	75109	16710	20236	22522	24638	16915	12395	5122	2542	1624	815	198628	13058156	16624291

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	38.46	0.00	15.38	15.38	30.77	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	65.78	6.32	7.02	6.48	5.55	3.16	3.04	1.47	0.75	0.37	0.07	100.00	4.15	3.99
Arunachal Pradesh	55.65	10.43	7.83	14.78	6.96	3.48	0.87	0.00	0.00	0.00	0.00	100.00	0.02	0.02
Assam	37.99	6.56	7.36	13.59	17.36	13.86	2.85	0.31	0.04	0.02	0.04	100.00	1.68	1.58
Bihar	52.25	5.21	5.76	6.98	15.43	11.85	1.94	0.44	0.14	0.03	0.00	100.00	0.83	0.77
Chandigarh	58.80	5.09	9.26	8.33	7.41	5.09	4.63	1.39	0.00	0.00	0.00	100.00	0.05	0.06
Chattisgarh	51.99	8.32	9.31	10.36	7.95	4.40	3.46	1.31	0.57	0.65	1.70	100.00	1.42	1.38
Dadra and Nagar Haveli	10.52	12.02	6.76	12.12	18.88	15.02	12.66	4.83	4.18	0.21	2.79	100.00	0.82	0.80
Daman and Diu	25.52	8.82	11.42	10.75	13.18	13.60	7.64	5.04	1.34	2.18	0.59	100.00	0.72	0.73
Delhi	41.50	11.22	9.28	10.33	12.10	7.21	6.24	1.56	0.46	0.04	0.00	100.00	0.55	0.65
Goa	27.22	9.49	10.73	7.47	13.84	14.31	9.49	3.58	2.80	1.24	0.00	100.00	0.40	0.45
Gujarat	34.73	10.19	11.18	11.19	12.32	8.78	6.55	2.76	1.03	1.10	0.17	100.00	12.17	12.44
Haryana	20.37	6.41	11.48	14.45	17.20	12.94	10.24	3.84	1.56	0.98	0.54	100.00	6.17	6.16
Himachal Pradesh	25.78	5.02	10.72	15.21	16.61	12.07	9.46	3.96	1.11	0.05	0.00	100.00	1.28	1.37
Jammu and Kashmir	49.14	5.81	8.17	11.61	10.86	5.59	6.45	2.04	0.22	0.00	0.11	100.00	0.40	0.40
Jharkhand	44.23	9.29	13.26	10.21	12.59	3.77	2.89	1.34	0.75	0.33	1.38	100.00	1.30	1.24
Karnataka	33.47	7.94	10.74	10.63	11.47	8.61	8.12	3.69	2.45	1.45	1.44	100.00	6.43	6.50
Kerala	45.69	6.81	9.34	12.77	11.64	4.63	5.04	1.82	1.36	0.44	0.48	100.00	2.00	2.05
Ladakh	0.00	0.00	0.00	50.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Madhya Pradesh	35.91	9.63	10.54	12.73	11.97	7.60	6.75	2.43	1.36	0.95	0.12	100.00	2.42	2.49
Maharashtra	24.75	8.74	10.61	12.89	16.58	10.75	9.33	3.59	1.91	0.68	0.17	100.00	11.14	12.26
Manipur	32.63	16.84	10.53	20.00	15.79	3.68	0.00	0.00	0.53	0.00	0.00	100.00	0.04	0.04
Meghalaya	41.40	14.65	13.38	5.73	10.83	4.46	5.10	1.91	2.55	0.00	0.00	100.00	0.08	0.08
Mizoram	94.23	3.37	1.44	0.48	0.48	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.01
Nagaland	54.95	10.44	10.44	4.40	15.38	3.85	0.00	0.55	0.00	0.00	0.00	100.00	0.04	0.03
Odisha	49.00	9.79	10.32	10.17	7.04	5.35	3.80	2.18	1.17	0.45	0.75	100.00	1.79	1.70
Puducherry	43.01	4.55	11.19	6.12	11.36	8.22	8.74	4.20	2.27	0.17	0.00	100.00	0.31	0.31
Punjab	36.91	11.56	14.75	16.30	10.47	4.18	3.14	1.49	0.71	0.42	0.08	100.00	4.05	3.98
Rajasthan	39.30	9.89	10.21	11.60	12.23	7.97	5.46	1.86	0.72	0.52	0.24	100.00	3.64	3.60
Sikkim	8.75	3.75	6.25	6.25	20.00	17.50	18.75	11.25	6.25	1.25	0.00	100.00	0.13	0.14
Tamil Nadu	35.76	7.76	9.48	10.66	12.67	9.54	6.90	3.21	1.60	1.61	0.82	100.00	16.92	16.02
Telangana	53.59	7.70	8.71	8.70	9.17	4.31	3.96	1.96	1.14	0.48	0.31	100.00	5.03	4.73
Tripura	54.26	2.64	3.57	4.34	21.71	11.94	1.40	0.16	0.00	0.00	0.00	100.00	0.16	0.15
Uttar Pradesh	30.40	9.11	11.51	12.88	13.37	12.03	6.90	2.51	0.86	0.34	0.09	100.00	6.79	6.80
Uttarakhand	19.22	6.29	8.37	10.37	14.33	18.45	12.82	5.88	3.14	0.86	0.16	100.00	2.63	2.63
West Bengal	37.78	8.73	11.16	11.31	12.87	8.23	5.37	2.04	1.46	0.97	0.08	100.00	4.44	4.43
All India	37.81	8.41	10.19	11.34	12.40	8.52	6.24	2.58	1.28	0.82	0.41	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	0	2	1	2	0	0	0	0	0	0	8	145	184
Andhra Pradesh	8134	716	873	718	629	389	405	193	101	50	9	12217	517283	631545
Arunachal Pradesh	64	12	9	17	8	4	1	0	0	0	0	115	1975	2581
Assam	1767	316	348	631	823	658	135	15	2	1	2	4699	215430	257215
Bihar	1398	128	129	187	436	339	54	13	4	1	0	2689	105358	123821
Chandigarh	115	11	18	17	11	5	8	3	0	0	0	187	5317	8261
Chattisgarh	1769	282	308	331	266	128	119	43	20	23	60	3349	177855	218355
Dadra and Nagar Haveli	98	112	63	113	176	140	118	45	39	2	26	932	107535	132695
Daman and Diu	304	105	136	128	157	162	91	60	16	26	7	1191	93792	122078
Delhi	910	254	211	233	246	131	101	31	6	1	0	2125	59868	89475
Goa	171	61	63	41	70	85	59	23	18	8	0	600	49660	70959
Gujarat	7309	2066	2354	2415	2629	1884	1415	604	228	177	38	21120	1544087	2007345
Haryana	1524	454	856	1075	1306	964	784	295	121	77	42	7498	792994	1001882
Himachal Pradesh	493	102	206	275	320	244	192	81	22	1	0	1936	160837	219385
Jammu and Kashmir	451	54	75	108	99	50	55	13	1	0	1	907	48482	61022
Jharkhand	999	216	261	230	287	82	67	25	16	7	33	2222	160030	194231
Karnataka	3168	817	1054	1069	1194	889	789	369	190	160	159	9858	811449	1040615
Kerala	3135	469	584	730	643	302	350	133	99	32	35	6512	239303	308068
Ladakh	0	0	0	1	0	0	0	0	0	0	0	1	34	36
Madhya Pradesh	1395	371	427	484	449	305	271	100	54	39	5	3901	292163	380488
Maharashtra	4287	1573	1950	2319	3058	1994	1742	676	360	132	34	18124	1415691	1980207
Manipur	61	29	20	37	29	7	0	0	1	0	0	184	5554	6741
Meghalaya	61	22	19	9	16	6	8	3	4	0	0	148	10399	12562
Mizoram	178	7	3	1	1	0	0	0	0	0	0	190	1281	1508
Nagaland	84	16	19	8	26	7	0	1	0	0	0	161	4387	5054
Odisha	1261	255	255	258	174	131	83	55	28	12	20	2531	224761	270074
Puducherry	244	25	60	35	63	45	50	24	13	1	0	561	40705	50641
Punjab	3769	1225	1555	1728	1082	428	327	155	77	46	9	10401	518349	645696
Rajasthan	3251	781	832	968	990	673	459	144	61	44	21	8224	459586	577817
Sikkim	6	3	5	5	14	14	15	9	5	1	0	77	17341	22858
Tamil Nadu	10493	2238	2710	3153	3850	2887	2066	921	501	506	258	29581	2161139	2598179
Telangana	5287	777	813	737	818	422	357	161	90	50	33	9545	610828	732877
Tripura	327	15	21	26	136	75	9	1	0	0	0	610	19932	23501
Uttar Pradesh	3321	1065	1316	1519	1637	1518	864	326	111	44	12	11733	852209	1083194
Uttarakhand	452	152	193	252	338	445	311	142	77	21	4	2389	340443	432865
West Bengal	3037	688	881	914	1055	694	452	163	125	84	7	8100	567128	716170
All India	69328	15417	18629	20773	23040	16105	11755	4827	2391	1546	815	184625	12633332	16030183

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	37.50	0.00	25.00	12.50	25.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	66.58	5.86	7.15	5.88	5.15	3.18	3.32	1.58	0.83	0.41	0.07	100.00	4.09	3.94
Arunachal Pradesh	55.65	10.43	7.83	14.78	6.96	3.48	0.87	0.00	0.00	0.00	0.00	100.00	0.02	0.02
Assam	37.60	6.72	7.41	13.43	17.51	14.00	2.87	0.32	0.04	0.02	0.04	100.00	1.71	1.60
Bihar	51.99	4.76	4.80	6.95	16.21	12.61	2.01	0.48	0.15	0.04	0.00	100.00	0.83	0.77
Chandigarh	61.50	5.88	9.63	9.09	5.88	2.67	4.28	1.60	0.00	0.00	0.00	100.00	0.04	0.05
Chattisgarh	52.82	8.42	9.20	9.88	7.94	3.82	3.55	1.28	0.60	0.69	1.79	100.00	1.41	1.36
Dadra and Nagar Haveli	10.52	12.02	6.76	12.12	18.88	15.02	12.66	4.83	4.18	0.21	2.79	100.00	0.85	0.83
Daman and Diu	25.52	8.82	11.42	10.75	13.18	13.60	7.64	5.04	1.34	2.18	0.59	100.00	0.74	0.76
Delhi	42.82	11.95	9.93	10.96	11.58	6.16	4.75	1.46	0.28	0.05	0.00	100.00	0.47	0.56
Goa	28.50	10.17	10.50	6.83	11.67	14.17	9.83	3.83	3.00	1.33	0.00	100.00	0.39	0.44
Gujarat	34.61	9.78	11.15	11.43	12.45	8.92	6.70	2.86	1.08	0.84	0.18	100.00	12.22	12.52
Haryana	20.33	6.05	11.42	14.34	17.42	12.86	10.46	3.93	1.61	1.03	0.56	100.00	6.28	6.25
Himachal Pradesh	25.46	5.27	10.64	14.20	16.53	12.60	9.92	4.18	1.14	0.05	0.00	100.00	1.27	1.37
Jammu and Kashmir	49.72	5.95	8.27	11.91	10.92	5.51	6.06	1.43	0.11	0.00	0.11	100.00	0.38	0.38
Jharkhand	44.96	9.72	11.75	10.35	12.92	3.69	3.02	1.13	0.72	0.32	1.49	100.00	1.27	1.21
Karnataka	32.14	8.29	10.69	10.84	12.11	9.02	8.00	3.74	1.93	1.62	1.61	100.00	6.42	6.49
Kerala	48.14	7.20	8.97	11.21	9.87	4.64	5.37	2.04	1.52	0.49	0.54	100.00	1.89	1.92
Ladakh	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Madhya Pradesh	35.76	9.51	10.95	12.41	11.51	7.82	6.95	2.56	1.38	1.00	0.13	100.00	2.31	2.37
Maharashtra	23.65	8.68	10.76	12.80	16.87	11.00	9.61	3.73	1.99	0.73	0.19	100.00	11.21	12.35
Manipur	33.15	15.76	10.87	20.11	15.76	3.80	0.00	0.00	0.54	0.00	0.00	100.00	0.04	0.04
Meghalaya	41.22	14.86	12.84	6.08	10.81	4.05	5.41	2.03	2.70	0.00	0.00	100.00	0.08	0.08
Mizoram	93.68	3.68	1.58	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.01	0.01
Nagaland	52.17	9.94	11.80	4.97	16.15	4.35	0.00	0.62	0.00	0.00	0.00	100.00	0.03	0.03
Odisha	49.82	10.08	10.08	10.19	6.87	5.18	3.28	2.17	1.11	0.47	0.79	100.00	1.78	1.68
Puducherry	43.49	4.46	10.70	6.24	11.23	8.02	8.91	4.28	2.32	0.18	0.00	100.00	0.32	0.32
Punjab	36.24	11.78	14.95	16.61	10.40	4.11	3.14	1.49	0.74	0.44	0.09	100.00	4.10	4.03
Rajasthan	39.53	9.50	10.12	11.77	12.04	8.18	5.58	1.75	0.74	0.54	0.26	100.00	3.64	3.60
Sikkim	7.79	3.90	6.49	6.49	18.18	18.18	19.48	11.69	6.49	1.30	0.00	100.00	0.14	0.14
Tamil Nadu	35.47	7.57	9.16	10.66	13.02	9.76	6.98	3.11	1.69	1.71	0.87	100.00	17.11	16.21
Telangana	55.39	8.14	8.52	7.72	8.57	4.42	3.74	1.69	0.94	0.52	0.35	100.00	4.84	4.57
Tripura	53.61	2.46	3.44	4.26	22.30	12.30	1.48	0.16	0.00	0.00	0.00	100.00	0.16	0.15
Uttar Pradesh	28.30	9.08	11.22	12.95	13.95	12.94	7.36	2.78	0.95	0.38	0.10	100.00	6.75	6.76
Uttarakhand	18.92	6.36	8.08	10.55	14.15	18.63	13.02	5.94	3.22	0.88	0.17	100.00	2.69	2.70
West Bengal	37.49	8.49	10.88	11.28	13.02	8.57	5.58	2.01	1.54	1.04	0.09	100.00	4.49	4.47
All India	37.55	8.35	10.09	11.25	12.48	8.72	6.37	2.61	1.30	0.84	0.44	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 82.76% of the total factories which have operated during 2019-20. While these factories share 9.14% of total fixed capital to work with, they provide gainful employment to 38.76% of the total persons engaged. Their contribution to the total output and net value added by manufacture are 21.83% and 20.75% respectively. As against this, the operational factories, with gross investment in plant and machinery of ₹ 10 Crores & above, are very few (12.46%) in number, account for about 88.77% of total fixed capital, 54.86% of total persons engaged, 73.85% of the gross output and 74.53% 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	127888	22576428	42270231	39912422	3669309	4492943	4353332	7485852
25 -- 500	36490	10722074	24040790	22100490	1438574	1950285	2156502	4911883
500 -- 1000	9496	7596452	13219334	13799433	810322	1061120	1258233	2778922
1000 & above	24754	323240211	372934890	421550007	7139951	9119944	15122452	33996241
Total	198628	364135165	452465244	497362352	13058156	16624291	22890520	49172897

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	98282146	116191495	17909350	2432810	15476539	41877	2050637
25 -- 500	69271565	79995374	10723809	1038057	9685752	39139	1266828
500 -- 1000	32207430	38682507	6475077	748251	5726826	25305	731222
1000 & above	549994475	663460753	113466277	23090624	90375654	365101	14501184
Total	749755617	898330129	148574512	27309742	121264771	471423	18549872

* 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	64.39	6.20	9.34	8.02	28.10	27.03	19.02	15.22
25 -- 500	18.37	2.94	5.31	4.44	11.02	11.73	9.42	9.99
500 -- 1000	4.78	2.09	2.92	2.77	6.21	6.38	5.50	5.65
1000 & above	12.46	88.77	82.42	84.76	54.68	54.86	66.06	69.14
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	13.11	12.93	12.05	8.91	12.76	8.88	11.05
25 -- 500	9.24	8.90	7.22	3.80	7.99	8.30	6.83
500 -- 1000	4.30	4.31	4.36	2.74	4.72	5.37	3.94
1000 & above	73.36	73.85	76.37	84.55	74.53	77.45	78.17
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 26.28% of the operating factories, that produce gross output up to one Crore, share 1.73% of fixed capital, provide employment to 3.49% of total persons engaged, pay emoluments to the extent of 1.03% of total emoluments, contribute 0.19% to the total output. About 36.95% of the operating factories, producing gross output of more than ₹ 10 Crores, consume 94.64% of fixed capital, provide 83.67% of total employment and pay 91.76% of total emoluments. This group of factories contributes about 96.65% of total output and 96.08% 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	25221	4830920	4423710	5350469	68689	112781	57925	109195
25 --- 50	10157	462853	707943	637606	110470	137177	73458	109595
50 -- 100	16818	975264	1381798	1485143	276168	329690	201867	288901
100 -- 200	21045	1873756	2982070	2834897	381075	466319	356390	542864
200 -- 500	29559	5382404	7872537	7988045	616879	784409	748270	1288996
500 -- 1000	22434	5989670	8511437	9419291	687318	884575	926784	1709644
1000 -- 2000	21823	9797724	16478274	15470442	1032862	1321832	1446339	2786645
2000 -- 5000	22711	21224340	30256451	32294014	1763047	2257359	2620025	5385955
5000 -- 10000	11525	20726587	29503397	32116394	1483298	1882722	2402632	4965159
10000 -- 50000	13170	63945601	90779807	98939466	3614310	4528514	6147436	13047294
50000 & above	4165	228926047	259567819	290826586	3024038	3918914	7909393	18938649
Total	198628	364135165	452465244	497362352	13058156	16624291	22890520	49172897

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	193920	85992	-107928	286443	-394371	1397	76095
25 --- 50	257548	376393	118844	48085	70759	2138	15760
50 -- 100	823129	1237791	414662	90334	324328	4113	92211
100 -- 200	2202154	3027996	825842	177419	648423	5721	116770
200 -- 500	7400663	9592202	2191538	483282	1708257	11463	330829
500 -- 1000	12827391	15803762	2976372	583855	2392516	10737	473052
1000 -- 2000	24724545	30133423	5408878	985302	4423575	16927	834970
2000 -- 5000	55561334	67071137	11509803	2066627	9443176	35936	1696212
5000 -- 10000	58765244	69977127	11211883	1857816	9354067	27634	1706708
10000 -- 50000	170272430	206415322	36142892	5735776	30407117	69874	4093681
50000 & above	416727260	494608985	77881725	14994802	62886923	285482	9113584
Total	749755617	898330129	148574512	27309742	121264771	471423	18549872

**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	12.70	1.33	0.98	1.08	0.53	0.68	0.25	0.22
25 --- 50	5.11	0.13	0.16	0.13	0.85	0.83	0.32	0.22
50 -- 100	8.47	0.27	0.31	0.30	2.11	1.98	0.88	0.59
100 -- 200	10.60	0.51	0.66	0.57	2.92	2.81	1.56	1.10
200 -- 500	14.88	1.48	1.74	1.61	4.72	4.72	3.27	2.62
500 -- 1000	11.29	1.64	1.88	1.89	5.26	5.32	4.05	3.48
1000 -- 2000	10.99	2.69	3.64	3.11	7.91	7.95	6.32	5.67
2000 -- 5000	11.43	5.83	6.69	6.49	13.50	13.58	11.45	10.95
5000 -- 10000	5.80	5.69	6.52	6.46	11.36	11.33	10.50	10.10
10000 -- 50000	6.63	17.56	20.06	19.89	27.68	27.24	26.86	26.53
50000 & above	2.10	62.87	57.37	58.47	23.16	23.57	34.55	38.51
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	0.03	0.01	-0.07	1.05	-0.33	0.30	0.41
25 --- 50	0.03	0.04	0.08	0.18	0.06	0.45	0.08
50 -- 100	0.11	0.14	0.28	0.33	0.27	0.87	0.50
100 -- 200	0.29	0.34	0.56	0.65	0.53	1.21	0.63
200 -- 500	0.99	1.07	1.48	1.77	1.41	2.43	1.78
500 -- 1000	1.71	1.76	2.00	2.14	1.97	2.28	2.55
1000 -- 2000	3.30	3.35	3.64	3.61	3.65	3.59	4.50
2000 -- 5000	7.41	7.47	7.75	7.57	7.79	7.62	9.14
5000 -- 10000	7.84	7.79	7.55	6.80	7.71	5.86	9.20
10000 -- 50000	22.71	22.98	24.33	21.00	25.07	14.82	22.07
50000 & above	55.58	55.06	52.42	54.91	51.86	60.56	49.13
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 13.63% of the operating factories, each with less than ₹ 2.5 Lakhs of net value added, share about 16.67% of total fixed capital, provide gainful employment to 5.32% of total persons engaged of the factory sector, disburse 6.11% of the emoluments. These units, consuming about 10.94% of total input, are found to produce 8.76% of total output. On the other hand, about 11.06% of the operating factories, each contributing at least ₹ 10 Crores of net value added, possess 71.14% of the total fixed capital. They have 56.96% of total persons engaged, taking away 69.20% of the total salary/wage bill in terms of emoluments and produce 69.54% of total output after consuming 66.45% 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	27069	60699235	51094646	74206780	653577	883700	1382642	3004095
2.5 --- 5	4404	158181	202575	245066	19599	28250	14759	22995
5 ---- 10	8535	586391	864912	803467	44247	62002	37795	59883
10 ---- 20	16531	779155	1589144	1480531	140549	184805	116885	183565
20 ---- 50	34840	2814271	5246520	5057715	538422	671645	484343	758573
50 ----100	26680	4417620	7595965	7865842	633805	796858	685594	1184723
100----200	23278	6946935	11617438	12314182	830177	1053577	1074151	1962582
200----500	23132	13663665	23486188	23629167	1435224	1826030	2028288	3942108
500----1000	12186	15014733	22495788	24245147	1290480	1648815	1967284	4029510
1000---5000	15381	50486387	73826376	79045784	3324000	4191093	5635819	11942221
5000& above	6593	208568593	254445693	268468671	4148076	5277517	9462960	22082643
Total	198628	364135165	452465244	497362352	13058156	16624291	22890520	49172897

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	82058417	78665204	-3393212	4471160	-7864372	48058	2463827
2.5 --- 5	314105	343472	29367	12622	16745	477	9918
5 ---- 10	727604	852250	124646	61285	63361	575	18386
10 ---- 20	2231435	2555935	324500	80483	244017	2774	54810
20 ---- 50	10139787	11577620	1437834	282193	1155640	8584	240603
50 ----100	17949230	20261555	2312325	431016	1881309	9335	434986
100----200	29592362	33559382	3967020	714532	3252488	12423	646083
200----500	54612398	62883607	8271210	1336016	6935193	30403	1314105
500----1000	53956434	62947845	8991412	1346299	7645112	15849	1299320
1000---5000	142871307	173115809	30244502	4457063	25787439	65971	3484553
5000& above	355302539	451567449	96264910	14117071	82147839	276972	8583282
Total	749755617	898330129	148574512	27309742	121264771	471423	18549872

**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	13.63	16.67	11.29	14.92	5.01	5.32	6.04	6.11
2.5 --- 5	2.22	0.04	0.04	0.05	0.15	0.17	0.06	0.05
5 ---- 10	4.30	0.16	0.19	0.16	0.34	0.37	0.17	0.12
10 ---- 20	8.32	0.21	0.35	0.30	1.08	1.11	0.51	0.37
20 ---- 50	17.54	0.77	1.16	1.02	4.12	4.04	2.12	1.54
50 ----100	13.43	1.21	1.68	1.58	4.85	4.79	3.00	2.41
100----200	11.72	1.91	2.57	2.48	6.36	6.34	4.69	3.99
200----500	11.65	3.75	5.19	4.75	10.99	10.98	8.86	8.02
500----1000	6.14	4.12	4.97	4.87	9.88	9.92	8.59	8.19
1000---5000	7.74	13.86	16.32	15.89	25.46	25.21	24.62	24.29
5000& above	3.32	57.28	56.24	53.98	31.77	31.75	41.34	44.91
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	10.94	8.76	-2.28	16.37	-6.49	10.19	13.28
2.5 --- 5	0.04	0.04	0.02	0.05	0.01	0.10	0.05
5 ---- 10	0.10	0.09	0.08	0.22	0.05	0.12	0.10
10 ---- 20	0.30	0.28	0.22	0.29	0.20	0.59	0.30
20 ---- 50	1.35	1.29	0.97	1.03	0.95	1.82	1.30
50 ----100	2.39	2.26	1.56	1.58	1.55	1.98	2.34
100----200	3.95	3.74	2.67	2.62	2.68	2.64	3.48
200----500	7.28	7.00	5.57	4.89	5.72	6.45	7.08
500----1000	7.20	7.01	6.05	4.93	6.30	3.36	7.00
1000---5000	19.06	19.27	20.36	16.32	21.27	13.99	18.78
5000& above	47.39	50.27	64.79	51.69	67.74	58.75	46.27
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 six States/UTs. The ranking of major industries in a State/UT has been done according to the value of their output. The industries are ranked in the descending order of their output. Besides the output, the contribution of each of these industries to gross value added is also given.

11.2 From Statement 18, it is seen that at all-India level, it is Food Products (NIC: 10), that contributes to the total output by maximum (13.84%), whereas this industry is contributing to the highest proportion in respect to the total output in the states like Andhra Pradesh (27.14%), Karnataka (15.92%), Madhya Pradesh (25.35%), Maharashtra (14.14%), Mizoram (22.30%), Punjab (21.14%), Rajasthan (15.23%), Tripura (34.35%) and Uttar Pradesh (25.50%).

11.3 Basic Metals (NIC: 24), the second highest in ranking in proportionate share of total output, accounts for 13.30% of the total output at all India level, whereas this industry accounts for the highest value of total output in Seven States namely, Arunachal Pradesh (39.35%), Chandigarh (24.87%), Chattisgarh (66.23%), Jharkhand (65.80%), Odisha (55.03%), Uttarakhand (18.30%) and West Bengal (26.25%).

11.4 The third contributing (12.11%) industry to the total output of India is Coke and Refined Petroleum Products (NIC: 19), which accounts for the highest share of output in the state of Assam (41.55%), Bihar (42.90%), Gujarat (26.23%) and Kerala (32.29%).

11.5 Chemicals and Chemical Products (NIC: 20) accounts for 8.83% 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 D&N Haveli (28.95%), Jammu & Kashmir (31.02%) and Puducherry (20.51%).

11.6 Motor Vehicles, Trailers and Semi-Trailers (NIC: 29) accounts for 7.00% of the total output at all India level and among the States/UTs, it has the highest share of total output in Haryana (24.10%) and Tamil Nadu (18.34%).

**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	3871	100.00	1058	100.00	
		TOTAL OF BELOW INDUSTRIES	3871	100.00	1058	100.00	
		OTHER INDUSTRIES	2250	58.12	786	74.29	
		FOOD PRODUCTS	1621	41.88	272	25.71	
Andhra Pradesh	10	TOTAL	40046283	100.00	5169997	100.00	
		TOTAL OF BELOW INDUSTRIES	33408892	83.43	3809108	73.68	
	24	FOOD PRODUCTS	10867565	27.14	979048	18.94	
	19	BASIC METALS	4759873	11.89	433974	8.39	
	23	COKE AND REFINED PETROLEUM PRODUCTS	3993514	9.97	-77227	-1.49	
	21	OTHER NON-METALLIC MINERAL PRODUCTS	3502697	8.75	878547	16.99	
	26	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	3240047	8.09	938941	18.16	
	20	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	2685527	6.71	133172	2.58	
	29	CHEMICALS AND CHEMICAL PRODUCTS	2684412	6.70	391353	7.57	
Arunachal Pradesh	24	TOTAL	59716	100.00	10422	100.00	
		TOTAL OF BELOW INDUSTRIES	49880	83.53	7553	72.48	
		10	BASIC METALS	23499	39.35	2690	25.81
		11	FOOD PRODUCTS	13207	22.12	2827	27.13
Assam	19	BEVERAGES	13174	22.06	2036	19.54	
		TOTAL	7748672	100.00	1755876	100.00	
		TOTAL OF BELOW INDUSTRIES	6376201	82.29	1373039	78.19	
		10	COKE AND REFINED PETROLEUM PRODUCTS	3219774	41.55	581043	33.09
		20	FOOD PRODUCTS	1792975	23.14	285356	16.25
Bihar	23	CHEMICALS AND CHEMICAL PRODUCTS	857461	11.07	337713	19.23	
		TOTAL	505991	6.53	168927	9.62	
		TOTAL OF BELOW INDUSTRIES	7617888	100.00	718666	100.00	
		19	COKE AND REFINED PETROLEUM PRODUCTS	6434343	84.46	392741	54.66
Chandigarh	24	OTHER INDUSTRIES	3267764	42.90	88305	12.29	
		FOOD PRODUCTS	1723202	22.62	127252	17.71	
		BASIC METALS	1059236	13.90	50128	6.98	
		OTHER NON-METALLIC MINERAL PRODUCTS	384141	5.04	127056	17.68	
Chandigarh	28	TOTAL	352387	100.00	59119	100.00	
		TOTAL OF BELOW INDUSTRIES	294544	83.60	46807	79.17	
		BASIC METALS	87653	24.87	3553	6.01	
		OTHER INDUSTRIES	57710	16.38	11439	19.35	
		MACHINERY AND EQUIPMENT N.E.C.	57462	16.31	17931	30.33	
		11	BEVERAGES	37059	10.52	3230	5.46
		10	FOOD PRODUCTS	29974	8.51	5290	8.95
		30	OTHER TRANSPORT EQUIPMENT	24686	7.01	5364	9.07

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

State/UT	NIC-2008	Description	Total Output		GVA	
			(` Lakhs)			
			Actual	Percentage	Actual	Percentage
Chattisgarh		TOTAL	16540759	100.00	2540724	100.00
	24	TOTAL OF BELOW INDUSTRIES	14091125	85.19	2123913	83.60
	10	BASIC METALS	10955243	66.23	1615573	63.59
	10	FOOD PRODUCTS	1882807	11.38	163505	6.44
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1253075	7.58	344835	13.57
D&N Haveli		TOTAL	9184607	100.00	1347152	100.00
	20	TOTAL OF BELOW INDUSTRIES	7531135	82.00	1005685	74.65
	13	CHEMICALS AND CHEMICAL PRODUCTS	2659237	28.95	367001	27.24
	13	TEXTILES	1761294	19.18	180690	13.41
	27	ELECTRICAL EQUIPMENT	1119550	12.19	144766	10.75
	24	BASIC METALS	1107447	12.06	160685	11.93
	22	RUBBER AND PLASTICS PRODUCTS	883607	9.62	152543	11.32
Daman & Diu		TOTAL	4419661	100.00	974625	100.00
	22	TOTAL OF BELOW INDUSTRIES	3580406	81.01	769117	78.92
	22	RUBBER AND PLASTICS PRODUCTS	1273933	28.82	253793	26.04
	20	CHEMICALS AND CHEMICAL PRODUCTS	907816	20.54	169944	17.44
	27	ELECTRICAL EQUIPMENT	596237	13.49	97426	10.00
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	414087	9.37	174255	17.88
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	219495	4.97	59045	6.06
	24	BASIC METALS	168838	3.82	14654	1.50
Delhi		TOTAL	4670423	100.00	651054	100.00
	10	TOTAL OF BELOW INDUSTRIES	3793496	81.22	478924	73.56
	10	OTHER INDUSTRIES	1236445	26.47	100119	15.38
	14	FOOD PRODUCTS	1082305	23.17	123657	18.99
	14	WEARING APPAREL	343336	7.35	83581	12.84
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	228872	4.90	29871	4.59
	22	RUBBER AND PLASTICS PRODUCTS	187120	4.01	27276	4.19
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	184020	3.94	39631	6.09
	27	ELECTRICAL EQUIPMENT	183875	3.94	25421	3.90
	15	LEATHER AND RELATED PRODUCTS	182798	3.91	20050	3.08
	20	CHEMICALS AND CHEMICAL PRODUCTS	164725	3.53	29318	4.50
	Goa		TOTAL	4591143	100.00	1465435
21		TOTAL OF BELOW INDUSTRIES	3691971	80.41	1214246	82.87
21		PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1395680	30.40	642238	43.83
27		ELECTRICAL EQUIPMENT	510065	11.11	117777	8.04
22		RUBBER AND PLASTICS PRODUCTS	468511	10.20	175448	11.97
20		CHEMICALS AND CHEMICAL PRODUCTS	426077	9.28	77919	5.32
24		BASIC METALS	355197	7.74	39568	2.70
10		FOOD PRODUCTS	295878	6.44	104796	7.15
26		COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	240563	5.24	56500	3.86

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

State/UT	NIC-2008	Description	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
Gujarat		TOTAL	162953192	100.00	23548407	100.00
		TOTAL OF BELOW INDUSTRIES	132845398	81.53	18896348	80.22
	19	COKE AND REFINED PETROLEUM PRODUCTS	42749632	26.23	3509773	14.90
	20	CHEMICALS AND CHEMICAL PRODUCTS	27084554	16.62	5583012	23.71
	10	FOOD PRODUCTS	15789925	9.69	850941	3.61
	24	BASIC METALS	13077650	8.03	1328738	5.64
	13	TEXTILES	9346068	5.74	1832632	7.78
		OTHER INDUSTRIES	7334487	4.50	1381096	5.86
	28	MACHINERY AND EQUIPMENT N.E.C.	5941854	3.65	1375134	5.84
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	5823945	3.57	2023982	8.59
22	RUBBER AND PLASTICS PRODUCTS	5697283	3.50	1011040	4.29	
Haryana		TOTAL	59630890	100.00	8164267	100.00
		TOTAL OF BELOW INDUSTRIES	49035322	82.24	5813795	71.21
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	14369270	24.10	2534290	31.04
	24	BASIC METALS	7062717	11.84	366219	4.49
	19	COKE AND REFINED PETROLEUM PRODUCTS	6441522	10.80	-479539	-5.87
	10	FOOD PRODUCTS	5754628	9.65	485766	5.95
	28	MACHINERY AND EQUIPMENT N.E.C.	3527886	5.92	710106	8.70
	30	OTHER TRANSPORT EQUIPMENT	2972715	4.99	558379	6.84
	27	ELECTRICAL EQUIPMENT	2412467	4.05	446845	5.47
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	2278511	3.82	472126	5.78
	13	TEXTILES	2193769	3.68	367442	4.50
	22	RUBBER AND PLASTICS PRODUCTS	2021837	3.39	352161	4.31
	Himachal Pradesh		TOTAL	11718159	100.00	3245244
		TOTAL OF BELOW INDUSTRIES	9677146	82.59	2785934	85.85
21		PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2722553	23.23	1075673	33.15
27		ELECTRICAL EQUIPMENT	1832662	15.64	249681	7.69
20		CHEMICALS AND CHEMICAL PRODUCTS	1675243	14.30	685132	21.11
24		BASIC METALS	854423	7.29	40296	1.24
13		TEXTILES	768361	6.56	101778	3.14
10		FOOD PRODUCTS	629159	5.37	109076	3.36
		OTHER INDUSTRIES	614673	5.25	424155	13.07
22		RUBBER AND PLASTICS PRODUCTS	580072	4.95	100143	3.09

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

State/UT	NIC-2008	Description	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
Jammu & Kashmir		TOTAL	3006906	100.00	730088	100.00
		TOTAL OF BELOW INDUSTRIES	2421830	80.55	606064	83.02
	20	CHEMICALS AND CHEMICAL PRODUCTS	932792	31.02	230321	31.55
	10	FOOD PRODUCTS	391435	13.02	38739	5.31
		OTHER INDUSTRIES	342068	11.38	154828	21.21
	24	BASIC METALS	275685	9.17	15581	2.13
	22	RUBBER AND PLASTICS PRODUCTS	244819	8.14	43672	5.98
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	235031	7.82	122923	16.84
Jharkhand		TOTAL	13738059	100.00	2827730	100.00
		TOTAL OF BELOW INDUSTRIES	10989657	80.00	2214811	78.33
	24	BASIC METALS	9039645	65.80	1738086	61.47
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	1063016	7.74	264411	9.35
		OTHER INDUSTRIES	886996	6.46	212314	7.51
Karnataka		TOTAL	55687658	100.00	10640880	100.00
		TOTAL OF BELOW INDUSTRIES	46177546	82.92	7886816	74.13
	10	FOOD PRODUCTS	8867810	15.92	1080666	10.16
	24	BASIC METALS	7821004	14.04	1518104	14.27
	19	COKE AND REFINED PETROLEUM PRODUCTS	6925670	12.44	95473	0.90
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	3753377	6.74	687742	6.46
	28	MACHINERY AND EQUIPMENT N.E.C.	3218548	5.78	806708	7.58
	20	CHEMICALS AND CHEMICAL PRODUCTS	3079683	5.53	629722	5.92
	27	ELECTRICAL EQUIPMENT	2615421	4.70	483356	4.54
	14	WEARING APPAREL	2451420	4.40	807804	7.59
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2097780	3.77	642286	6.04
	30	OTHER TRANSPORT EQUIPMENT	2078340	3.73	388475	3.65
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1637487	2.94	353160	3.32
	22	RUBBER AND PLASTICS PRODUCTS	1631006	2.93	393320	3.70
Kerala		TOTAL	21484484	100.00	2252678	100.00
		TOTAL OF BELOW INDUSTRIES	17725819	82.50	1368672	60.75
	19	COKE AND REFINED PETROLEUM PRODUCTS	6938333	32.29	149877	6.65
	32	OTHER MANUFACTURING	4868696	22.66	89670	3.98
	10	FOOD PRODUCTS	3160850	14.71	431682	19.16
	22	RUBBER AND PLASTICS PRODUCTS	1075719	5.01	234463	10.41
	20	CHEMICALS AND CHEMICAL PRODUCTS	942693	4.39	317490	14.09
	23	OTHER NON-METALLIC MINERAL PRODUCTS	739528	3.44	145490	6.46

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

State/UT	NIC-2008	Description	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
Ladakh		TOTAL	24727	100.00	15951	100.00
		TOTAL OF BELOW INDUSTRIES	24727	100.00	15951	100.00
		OTHER INDUSTRIES	24727	100.00	15951	100.00
Madhya Pradesh		TOTAL	28925578	100.00	4394005	100.00
		TOTAL OF BELOW INDUSTRIES	23237340	80.33	3349451	76.23
	10	FOOD PRODUCTS	7333171	25.35	455270	10.36
	19	COKE AND REFINED PETROLEUM PRODUCTS	3432393	11.87	135324	3.08
		OTHER INDUSTRIES	3074870	10.63	1129536	25.71
	23	OTHER NON-METALLIC MINERAL PRODUCTS	2248851	7.77	539182	12.27
	20	CHEMICALS AND CHEMICAL PRODUCTS	1909243	6.60	266236	6.06
	13	TEXTILES	1877052	6.49	316480	7.20
	24	BASIC METALS	1803066	6.23	219078	4.99
	22	RUBBER AND PLASTICS PRODUCTS	1558694	5.39	288345	6.56
Maharashtra		TOTAL	123976857	100.00	21586010	100.00
		TOTAL OF BELOW INDUSTRIES	100481611	81.05	16490515	76.40
	10	FOOD PRODUCTS	17527525	14.14	1963394	9.10
	24	BASIC METALS	14098376	11.37	1484391	6.88
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	12366888	9.98	2158804	10.00
	20	CHEMICALS AND CHEMICAL PRODUCTS	11162926	9.00	2315109	10.73
	19	COKE AND REFINED PETROLEUM PRODUCTS	11042589	8.91	447849	2.07
	28	MACHINERY AND EQUIPMENT N.E.C.	9580523	7.73	2162853	10.02
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	5466144	4.41	1152976	5.34
	22	RUBBER AND PLASTICS PRODUCTS	5145321	4.15	1245376	5.77
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	5014063	4.04	1844442	8.54
	30	OTHER TRANSPORT EQUIPMENT	4704823	3.79	1155117	5.35
		32	OTHER MANUFACTURING	4372433	3.53	560204
Manipur		TOTAL	49845	100.00	10481	100.00
		TOTAL OF BELOW INDUSTRIES	45733	91.75	9383	89.52
	23	OTHER NON-METALLIC MINERAL PRODUCTS	26153	52.47	6788	64.76
	10	FOOD PRODUCTS	12704	25.49	1066	10.17
		OTHER INDUSTRIES	6876	13.79	1529	14.59
Meghalaya		TOTAL	740369	100.00	168813	100.00
		TOTAL OF BELOW INDUSTRIES	628409	84.88	157239	93.14
	23	OTHER NON-METALLIC MINERAL PRODUCTS	457985	61.86	139074	82.38
	24	BASIC METALS	131867	17.81	9623	5.70
		OTHER INDUSTRIES	38557	5.21	8542	5.06

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

State/UT	NIC-2008	Description	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
Mizoram		TOTAL	6300	100.00	3111	100.00
	10	TOTAL OF BELOW INDUSTRIES	5204	82.60	2481	79.74
	23	FOOD PRODUCTS	1405	22.30	333	10.70
	13	OTHER NON-METALLIC MINERAL PRODUCTS	1051	16.68	520	16.71
	14	TEXTILES	847	13.44	542	17.42
	14	WEARING APPAREL	825	13.10	381	12.25
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	569	9.03	368	11.83
		OTHER INDUSTRIES	507	8.05	337	10.83
Nagaland		TOTAL	51901	100.00	13343	100.00
	16	TOTAL OF BELOW INDUSTRIES	47481	91.49	11052	82.83
	10	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING	24912	48.00	8703	65.23
	10	OTHER INDUSTRIES	11978	23.08	1479	11.08
		FOOD PRODUCTS	10591	20.41	870	6.52
Odisha		TOTAL	27670833	100.00	4189428	100.00
	24	TOTAL OF BELOW INDUSTRIES	22899337	82.76	3354749	80.07
	19	BASIC METALS	15226143	55.03	2598891	62.03
	20	COKE AND REFINED PETROLEUM PRODUCTS	6141787	22.20	98353	2.35
	20	CHEMICALS AND CHEMICAL PRODUCTS	1531407	5.53	657505	15.69
Puducherry		TOTAL	2679769	100.00	614952	100.00
	20	TOTAL OF BELOW INDUSTRIES	2270919	84.75	502067	81.66
	26	CHEMICALS AND CHEMICAL PRODUCTS	549701	20.51	207665	33.77
	22	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	460893	17.20	68318	11.11
	21	RUBBER AND PLASTICS PRODUCTS	263639	9.84	50827	8.27
	27	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	198230	7.40	59954	9.75
	27	ELECTRICAL EQUIPMENT	184515	6.89	39634	6.45
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	183856	6.86	47930	7.79
	10	FOOD PRODUCTS	146774	5.48	-37525	-6.10
	28	MACHINERY AND EQUIPMENT N.E.C.	143181	5.34	55258	8.99
24	BASIC METALS	140130	5.23	10006	1.63	
Punjab		TOTAL	21356458	100.00	3421998	100.00
	10	TOTAL OF BELOW INDUSTRIES	17788056	83.30	2591941	75.73
	24	FOOD PRODUCTS	4515739	21.14	514089	15.02
	13	BASIC METALS	3103204	14.53	194705	5.69
	28	TEXTILES	2640770	12.37	406630	11.88
	14	MACHINERY AND EQUIPMENT N.E.C.	2088053	9.78	471143	13.77
	30	WEARING APPAREL	1233554	5.78	210465	6.15
	20	OTHER TRANSPORT EQUIPMENT	988153	4.63	187274	5.47
	25	CHEMICALS AND CHEMICAL PRODUCTS	877850	4.11	142837	4.17
	17	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	837252	3.92	146963	4.29
	29	PAPER AND PAPER PRODUCTS	762001	3.57	142230	4.16
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	741480	3.47	175605	5.13

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

State/UT	NIC-2008	Description	Total Output		GVA	
			(₹ Lakhs)			
			Actual	Percentage	Actual	Percentage
Rajasthan		TOTAL	32933342	100.00	6235790	100.00
		TOTAL OF BELOW INDUSTRIES	27223844	82.65	5025075	80.58
	10	FOOD PRODUCTS	5017226	15.23	319927	5.13
	24	BASIC METALS	4232712	12.85	467124	7.49
	23	OTHER NON-METALLIC MINERAL PRODUCTS	3848598	11.69	1222810	19.61
	13	TEXTILES	3027432	9.19	577600	9.26
	20	CHEMICALS AND CHEMICAL PRODUCTS	2875300	8.73	509302	8.17
	27	ELECTRICAL EQUIPMENT	2227051	6.76	368004	5.90
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2050081	6.22	394353	6.32
	28	MACHINERY AND EQUIPMENT N.E.C.	1348675	4.10	386691	6.20
	22	OTHER INDUSTRIES	1348122	4.09	519767	8.34
		RUBBER AND PLASTICS PRODUCTS	1248647	3.79	259497	4.16
Sikkim		TOTAL	1967242	100.00	1021465	100.00
		TOTAL OF BELOW INDUSTRIES	1706092	86.73	936233	91.66
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1706092	86.73	936233	91.66
Tamil Nadu		TOTAL	92735522	100.00	16397598	100.00
		TOTAL OF BELOW INDUSTRIES	76601266	82.60	12441650	75.86
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	17004295	18.34	2749885	16.77
	10	FOOD PRODUCTS	9196655	9.92	954988	5.82
	13	TEXTILES	8582355	9.25	1500395	9.15
	28	MACHINERY AND EQUIPMENT N.E.C.	6881543	7.42	1675733	10.22
	30	OTHER TRANSPORT EQUIPMENT	5419873	5.84	1203943	7.34
	14	WEARING APPAREL	5314876	5.73	1282138	7.82
	24	BASIC METALS	5103098	5.50	675998	4.12
	19	COKE AND REFINED PETROLEUM PRODUCTS	4534035	4.89	64533	0.39
	20	CHEMICALS AND CHEMICAL PRODUCTS	4091296	4.41	685097	4.18
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	3918217	4.23	567646	3.46
	22	RUBBER AND PLASTICS PRODUCTS	3571854	3.85	805587	4.91
	32	OTHER MANUFACTURING	2983169	3.22	275707	1.68
Telangana		TOTAL	25493068	100.00	5753156	100.00
		TOTAL OF BELOW INDUSTRIES	20700757	81.21	4438263	77.14
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	5399821	21.18	1868069	32.47
	10	FOOD PRODUCTS	3896031	15.28	394085	6.85
		OTHER INDUSTRIES	2133535	8.37	507022	8.81
	24	BASIC METALS	1766027	6.93	139335	2.42
	22	RUBBER AND PLASTICS PRODUCTS	1612576	6.33	310775	5.40
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1427564	5.60	344099	5.98
	27	ELECTRICAL EQUIPMENT	1301881	5.11	223720	3.89
	01	COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	1264994	4.96	208382	3.62
	20	CHEMICALS AND CHEMICAL PRODUCTS	1009569	3.96	214042	3.72
17	PAPER AND PAPER PRODUCTS	888759	3.49	228734	3.98	

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

State/UT	NIC-2008	Description	Total Output		GVA	
			(` Lakhs)			
			Actual	Percentage	Actual	Percentage
Tripura		TOTAL	172792	100.00	34592	100.00
		TOTAL OF BELOW INDUSTRIES	146239	84.63	29353	84.86
	10	FOOD PRODUCTS	59360	34.35	8022	23.19
	23	OTHER NON-METALLIC MINERAL PRODUCTS	38206	22.11	15344	44.36
	22	RUBBER AND PLASTICS PRODUCTS	28038	16.23	2673	7.73
		OTHER INDUSTRIES	20635	11.94	3314	9.58
Uttar Pradesh		TOTAL	56269111	100.00	8474060	100.00
		TOTAL OF BELOW INDUSTRIES	45156134	80.26	5955619	70.29
	10	FOOD PRODUCTS	14347192	25.50	1286393	15.18
	26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	6288491	11.18	811858	9.58
	20	CHEMICALS AND CHEMICAL PRODUCTS	5448956	9.68	934418	11.03
	19	COKE AND REFINED PETROLEUM PRODUCTS	3859208	6.86	-118949	-1.40
	24	BASIC METALS	2862737	5.09	321267	3.79
	22	RUBBER AND PLASTICS PRODUCTS	1984749	3.53	334648	3.95
	27	ELECTRICAL EQUIPMENT	1949888	3.47	264235	3.12
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	1825125	3.24	263897	3.11
	14	WEARING APPAREL	1738106	3.09	423869	5.00
		OTHER INDUSTRIES	1723197	3.06	671054	7.92
	28	MACHINERY AND EQUIPMENT N.E.C.	1569761	2.79	382705	4.52
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1558724	2.77	380224	4.49
	Uttarakhand		TOTAL	24068474	100.00	5420795
		TOTAL OF BELOW INDUSTRIES	19746332	82.03	4256688	78.52
24		BASIC METALS	4405526	18.30	528239	9.74
20		CHEMICALS AND CHEMICAL PRODUCTS	2319208	9.64	895746	16.52
29		MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2268340	9.42	569565	10.51
30		OTHER TRANSPORT EQUIPMENT	2168060	9.01	487990	9.00
21		PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1918423	7.97	487684	9.00
22		RUBBER AND PLASTICS PRODUCTS	1459670	6.06	300712	5.55
27		ELECTRICAL EQUIPMENT	1393118	5.79	316696	5.84
10		FOOD PRODUCTS	1379247	5.73	246614	4.55
32		OTHER MANUFACTURING	1252315	5.20	107025	1.97
28		MACHINERY AND EQUIPMENT N.E.C.	1182425	4.91	316417	5.84

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

State/UT	NIC-2008	Description	Total Output		GVA	
			(` Lakhs)			
			Actual	Percentage	Actual	Percentage
West Bengal		TOTAL	35753186	100.00	4715545	100.00
		TOTAL OF BELOW INDUSTRIES	28608207	80.02	3254306	69.00
	24	BASIC METALS	9385449	26.25	1039691	22.05
	10	FOOD PRODUCTS	6591724	18.44	541107	11.47
	19	COKE AND REFINED PETROLEUM PRODUCTS	3677317	10.29	48753	1.03
	20	CHEMICALS AND CHEMICAL PRODUCTS	3568921	9.98	440481	9.34
	13	TEXTILES	1715499	4.80	589352	12.50
	27	ELECTRICAL EQUIPMENT	1441722	4.03	230265	4.88
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1265413	3.54	214213	4.54
	22	RUBBER AND PLASTICS PRODUCTS	962162	2.69	150444	3.19
All India		TOTAL	898330129	100.00	148574512	100.00
		TOTAL OF BELOW INDUSTRIES	738445097	82.20	117251063	78.93
	10	FOOD PRODUCTS	124357019	13.84	11661048	7.85
	24	BASIC METALS	119479836	13.30	15067749	10.14
	19	COKE AND REFINED PETROLEUM PRODUCTS	108757631	12.11	4880847	3.29
	20	CHEMICALS AND CHEMICAL PRODUCTS	79309606	8.83	16588799	11.17
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	62842564	7.00	10772656	7.25
	13	TEXTILES	39744643	4.42	7403755	4.98
	28	MACHINERY AND EQUIPMENT N.E.C.	39231342	4.37	9147395	6.16
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	34865761	3.88	12238228	8.24
	22	RUBBER AND PLASTICS PRODUCTS	33521363	3.73	6784188	4.57
	23	OTHER NON-METALLIC MINERAL PRODUCTS	32624987	3.63	8265331	5.56
	27	ELECTRICAL EQUIPMENT	31929192	3.55	5441754	3.66
			OTHER INDUSTRIES	31781153	3.54	8999313

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 63.95% of the total output for the industry. Maharashtra, Gujarat and Uttar Pradesh are the top contributors in the Food industry (NIC: 10) by contributing 38.33% of total output of that industry. In the case of Coke and Refined Petroleum Products (NIC: 19), Gujarat, Maharashtra and Kerala are the top three contributors to total output, accounting for 55.84% taken together. The major contributors for Chemicals and Chemical Products (NIC: 20) are Gujarat, Maharashtra and Uttar Pradesh and these States accounted 55.10% of total output of that industry. In Basic Metals (NIC: 24), the major States are Odisha, Maharashtra and Gujarat by capturing 35.49% of total output of that industry. In Motor Vehicles, Trailers and Semi-Trailers (NIC: 29) industry, the top three States are Tamil Nadu, Haryana and Maharashtra capturing 69.61% of the total output in that industry.

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

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
01	COTTON GINNING,CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640)	All India	6429751	100.00	476619	100.00
		TOTAL OF BELOW STATE/UTs	5155400	80.18	373445	78.36
		Gujarat	1813914	28.21	37878	7.95
		Telangana	1264994	19.67	208382	43.72
		Maharashtra	1033264	16.07	74235	15.58
		Karnataka	600235	9.34	29566	6.20
		Madhya Pradesh	442993	6.89	23384	4.91
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	All India	120438	100.00	45126	100.00
		TOTAL OF BELOW STATE/UTs	107265	89.06	37068	82.14
		Gujarat	107265	89.06	37068	82.14
10	FOOD PRODUCTS	All India	124357019	100.00	11661048	100.00
		TOTAL OF BELOW STATE/UTs	101293421	81.46	8917500	76.48
		Maharashtra	17527525	14.09	1963394	16.84
		Gujarat	15789925	12.70	850941	7.30
		Uttar Pradesh	14347192	11.54	1286393	11.03
		Andhra Pradesh	10867565	8.74	979048	8.40
		Tamil Nadu	9196655	7.40	954988	8.19
		Karnataka	8867810	7.13	1080666	9.27
		Madhya Pradesh	7333171	5.90	455270	3.90
		West Bengal	6591724	5.30	541107	4.64
		Haryana	5754628	4.63	485766	4.17
		Rajasthan	5017226	4.03	319927	2.74
		11	BEVERAGES	All India	9244616	100.00
TOTAL OF BELOW STATE/UTs	7608630			82.32	1800358	85.89
Maharashtra	1603014			17.34	403380	19.24
Uttar Pradesh	1195088			12.93	274563	13.10
Karnataka	844323			9.13	325242	15.52
Tamil Nadu	768978			8.32	119398	5.70
Andhra Pradesh	634784			6.87	113231	5.40
Telangana	608855			6.59	144436	6.89
West Bengal	515468			5.58	115305	5.50
Punjab	510308			5.52	109135	5.21
Haryana	495177			5.36	93152	4.44
Rajasthan	432635			4.68	102516	4.89

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

Section 12

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
12	TOBACCO PRODUCTS	All India	4242699	100.00	1854377	100.00
		TOTAL OF BELOW STATE/UTs	3547764	83.62	1702642	91.83
		Uttar Pradesh	999215	23.55	458931	24.75
		Karnataka	639659	15.08	444605	23.98
		Maharashtra	433660	10.22	271082	14.62
		West Bengal	333272	7.86	54556	2.94
		Gujarat	328478	7.74	78097	4.21
		Tamil Nadu	326463	7.69	92460	4.99
		Telangana	318526	7.51	172063	9.28
		Bihar	168491	3.97	130848	7.06
13	TEXTILES	All India	39744643	100.00	7403755	100.00
		TOTAL OF BELOW STATE/UTs	32890244	82.75	5876569	79.36
		Gujarat	9346068	23.52	1832632	24.75
		Tamil Nadu	8582355	21.59	1500395	20.27
		Maharashtra	3461504	8.71	694700	9.38
		Rajasthan	3027432	7.62	577600	7.80
		Punjab	2640770	6.64	406630	5.49
		Haryana	2193769	5.52	367442	4.96
		Madhya Pradesh	1877052	4.72	316480	4.27
		Dadra and Nagar Haveli	1761294	4.43	180690	2.44
14	WEARING APPAREL	All India	16036338	100.00	4080617	100.00
		TOTAL OF BELOW STATE/UTs	13279587	82.81	3372365	82.65
		Tamil Nadu	5314876	33.14	1282138	31.42
		Karnataka	2451420	15.29	807804	19.80
		Uttar Pradesh	1738106	10.84	423869	10.39
		Haryana	1673074	10.43	452706	11.09
		Punjab	1233554	7.69	210465	5.16
		West Bengal	868557	5.42	195383	4.79
15	LEATHER AND RELATED PRODUCTS	All India	6687321	100.00	1360485	100.00
		TOTAL OF BELOW STATE/UTs	5568608	83.26	1133419	83.30
		Tamil Nadu	1660739	24.83	443525	32.60
		Uttar Pradesh	1448508	21.66	300307	22.07
		Haryana	1032238	15.44	214850	15.79
		West Bengal	711645	10.64	146791	10.79
		Uttarakhand	369440	5.52	41810	3.07
		Karnataka	346038	5.17	-13864	-1.02

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

Section 12

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
16	WOOD AND PRODUCTS OF WOOD AND CORK,EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	All India	2838114	100.00	523215	100.00
		TOTAL OF BELOW STATE/UTs	2388217	84.14	438085	83.73
		Gujarat	452964	15.96	67565	12.91
		Kerala	287863	10.14	44959	8.59
		Uttar Pradesh	277042	9.76	51224	9.79
		West Bengal	258638	9.11	62604	11.97
		Haryana	254937	8.98	38863	7.43
		Maharashtra	220959	7.79	35039	6.70
		Uttarakhand	198202	6.98	54606	10.44
		Tamil Nadu	168771	5.95	25401	4.85
		Karnataka	140183	4.94	32564	6.22
Punjab	128658	4.53	25260	4.83		
17	PAPER AND PAPER PRODUCTS	All India	13694335	100.00	2559016	100.00
		TOTAL OF BELOW STATE/UTs	11185653	81.66	2119509	82.84
		Gujarat	2090303	15.26	370548	14.48
		Maharashtra	1682197	12.28	330501	12.92
		Uttar Pradesh	1551245	11.33	220327	8.61
		Tamil Nadu	1045285	7.63	201618	7.88
		Karnataka	1034161	7.55	205562	8.03
		Uttarakhand	993101	7.25	209791	8.20
		Telangana	888759	6.49	228734	8.94
		Punjab	762001	5.56	142230	5.56
		Haryana	731836	5.34	132698	5.19
Assam	406765	2.97	77500	3.03		
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	All India	4249223	100.00	1208090	100.00
		TOTAL OF BELOW STATE/UTs	3497045	82.30	1008452	83.49
		Maharashtra	1284092	30.22	316776	26.22
		Uttar Pradesh	526921	12.40	167843	13.89
		Tamil Nadu	490346	11.54	125374	10.38
		Gujarat	365759	8.61	133228	11.03
		Karnataka	279220	6.57	81009	6.71
		Kerala	198982	4.68	82367	6.82
		Haryana	179351	4.22	48872	4.05
		Telangana	172374	4.06	52983	4.39

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

Section 12

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
19	COKE AND REFINED PETROLEUM PRODUCTS	All India	108757631	100.00	4880847	100.00
		TOTAL OF BELOW STATE/UTs	88767082	81.62	3809092	78.06
		Gujarat	42749632	39.31	3509773	71.91
		Maharashtra	11042589	10.15	447849	9.18
		Kerala	6938333	6.38	149877	3.07
		Karnataka	6925670	6.37	95473	1.96
		Haryana	6441522	5.92	-479539	-9.82
		Odisha	6141787	5.65	98353	2.02
		Tamil Nadu	4534035	4.17	64533	1.32
		Andhra Pradesh	3993514	3.67	-77227	-1.58
20	CHEMICALS AND CHEMICAL PRODUCTS	All India	79309606	100.00	16588799	100.00
		TOTAL OF BELOW STATE/UTs	64974493	81.92	12751241	76.88
		Gujarat	27084554	34.15	5583012	33.66
		Maharashtra	11162926	14.08	2315109	13.96
		Uttar Pradesh	5448956	6.87	934418	5.63
		Tamil Nadu	4091296	5.16	685097	4.13
		West Bengal	3568921	4.50	440481	2.66
		Karnataka	3079683	3.88	629722	3.80
		Rajasthan	2875300	3.63	509302	3.07
		Andhra Pradesh	2684412	3.38	391353	2.36
		Dadra and Nagar Haveli	2659237	3.35	367001	2.21
Uttarakhand	2319208	2.92	895746	5.40		
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	All India	34865761	100.00	12238228	100.00
		TOTAL OF BELOW STATE/UTs	27922724	80.08	9817310	80.21
		Gujarat	5823945	16.70	2023982	16.54
		Telangana	5399821	15.49	1868069	15.26
		Maharashtra	5014063	14.38	1844442	15.07
		Andhra Pradesh	3240047	9.29	938941	7.67
		Himachal Pradesh	2722553	7.81	1075673	8.79
		Karnataka	2097780	6.02	642286	5.25
		Uttarakhand	1918423	5.50	487684	3.98
		Sikkim	1706092	4.89	936233	7.65

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

Section 12

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
22	RUBBER AND PLASTICS PRODUCTS	All India	33521363	100.00	6784188	100.00
		TOTAL OF BELOW STATE/UTs	27205570	81.16	5555254	81.88
		Gujarat	5697283	17.00	1011040	14.90
		Maharashtra	5145321	15.35	1245376	18.36
		Tamil Nadu	3571854	10.66	805587	11.87
		Haryana	2021837	6.03	352161	5.19
		Uttar Pradesh	1984749	5.92	334648	4.93
		Karnataka	1631006	4.87	393320	5.80
		Telangana	1612576	4.81	310775	4.58
		Madhya Pradesh	1558694	4.65	288345	4.25
		Uttarakhand	1459670	4.35	300712	4.43
		Daman and Diu	1273933	3.80	253793	3.74
		Rajasthan	1248647	3.72	259497	3.83
23	OTHER NON-METALLIC MINERAL PRODUCTS	All India	32624987	100.00	8265331	100.00
		TOTAL OF BELOW STATE/UTs	26611997	81.58	6544359	79.16
		Gujarat	5512086	16.90	1102740	13.34
		Rajasthan	3848598	11.8	1222810	14.79
		Andhra Pradesh	3502697	10.74	878547	10.63
		Tamil Nadu	2692946	8.25	661362	8
		Madhya Pradesh	2248851	6.89	539182	6.52
		Maharashtra	1744845	5.35	483689	5.85
		Uttar Pradesh	1558724	4.78	380224	4.6
		Karnataka	1557198	4.77	372658	4.51
		Telangana	1427564	4.38	344099	4.16
		West Bengal	1265413	3.88	214213	2.59
		Chattisgarh	1253075	3.84	344835	4.17
24	BASIC METALS	All India	119479836	100.00	15067749	100.00
		TOTAL OF BELOW STATE/UTs	96529198	80.8	12799665	84.96
		Odisha	15226143	12.74	2598891	17.25
		Maharashtra	14098376	11.8	1484391	9.85
		Gujarat	13077650	10.95	1328738	8.82
		Chattisgarh	10955243	9.17	1615573	10.72
		West Bengal	9385449	7.86	1039691	6.9
		Jharkhand	9039645	7.57	1738086	11.54
		Karnataka	7821004	6.55	1518104	10.08
		Haryana	7062717	5.91	366219	2.43
		Tamil Nadu	5103098	4.27	675998	4.49
		Andhra Pradesh	4759873	3.98	433974	2.88

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

Section 12

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	23139983	100.00	4634958	100.00
		TOTAL OF BELOW STATE/UTs	18647075	80.59	3792364	81.83
		Maharashtra	5466144	23.62	1152976	24.88
		Gujarat	3819633	16.51	651969	14.07
		Tamil Nadu	2579006	11.15	660364	14.25
		Haryana	2278511	9.85	472126	10.19
		Uttar Pradesh	1511137	6.53	211788	4.57
		Karnataka	1181225	5.1	317682	6.85
		West Bengal	954028	4.12	159317	3.44
	Telangana	857391	3.71	166142	3.58	
26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	All India	21527624	100.00	3224386	100.00
		TOTAL OF BELOW STATE/UTs	17373235	80.70	2215617	68.71
		Uttar Pradesh	6288491	29.21	811858	25.18
		Tamil Nadu	3918217	18.20	567646	17.60
		Maharashtra	2843513	13.21	349781	10.85
		Andhra Pradesh	2685527	12.47	133172	4.13
		Karnataka	1637487	7.61	353160	10.95
27	ELECTRICAL EQUIPMENT	All India	31929192	100.00	5441754	100.00
		TOTAL OF BELOW STATE/UTs	25704776	80.51	4394215	80.75
		Gujarat	4178895	13.09	506143	9.30
		Maharashtra	4107548	12.86	857487	15.76
		Karnataka	2615421	8.19	483356	8.88
		Haryana	2412467	7.56	446845	8.21
		Tamil Nadu	2244123	7.03	447783	8.23
		Rajasthan	2227051	6.97	368004	6.76
		Uttar Pradesh	1949888	6.11	264235	4.86
		Himachal Pradesh	1832662	5.74	249681	4.59
		West Bengal	1441722	4.52	230265	4.23
		Uttarakhand	1393118	4.36	316696	5.82
		Telangana	1301881	4.08	223720	4.11

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Section 12

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
28	MACHINERY AND EQUIPMENT N.E.C.	All India	39231342	100.00	9147395	100.00
		TOTAL OF BELOW STATE/UTs	32808168	83.62	7584382	82.90
		Maharashtra	9580523	24.42	2162853	23.64
		Tamil Nadu	6881543	17.54	1675733	18.32
		Gujarat	5941854	15.15	1375134	15.03
		Haryana	3527886	8.99	710106	7.76
		Karnataka	3218548	8.20	806708	8.82
		Punjab	2088053	5.32	471143	5.15
		Uttar Pradesh	1569761	4.00	382705	4.18
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	All India	62842564	100.00	10772656	100.00
		TOTAL OF BELOW STATE/UTs	51214465	81.50	8469253	78.62
		Tamil Nadu	17004295	27.06	2749885	25.53
		Haryana	14369270	22.87	2534290	23.53
		Maharashtra	12366888	19.68	2158804	20.04
		Karnataka	3753377	5.97	687742	6.38
		Gujarat	3720635	5.92	338532	3.14
30	OTHER TRANSPORT EQUIPMENT	All India	23411876	100.00	5223443	100.00
		TOTAL OF BELOW STATE/UTs	19495778	83.28	4200787	80.42
		Tamil Nadu	5419873	23.15	1203943	23.05
		Maharashtra	4704823	20.10	1155117	22.11
		Haryana	2972715	12.70	558379	10.69
		Uttarakhand	2168060	9.26	487990	9.34
		Karnataka	2078340	8.88	388475	7.44
		Rajasthan	1163814	4.97	219609	4.20
		Punjab	988153	4.22	187274	3.59
31	FURNITURE	All India	2479624	100.00	533740	100.00
		TOTAL OF BELOW STATE/UTs	2015675	81.29	433032	81.14
		Maharashtra	548895	22.14	105902	19.84
		Rajasthan	455527	18.37	86140	16.14
		Karnataka	296630	11.96	78763	14.76
		Haryana	219256	8.84	51291	9.61
		Uttar Pradesh	173062	6.98	36592	6.86
		Tamil Nadu	167279	6.75	42922	8.04
		Telangana	83648	3.37	17862	3.35
		West Bengal	71378	2.88	13560	2.54

**Statement 19: Share of Major States/UTs contributing at least 80% in terms of Total Output within each Industry
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Section 12

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		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
32	OTHER MANUFACTURING	All India	22559948	100.00	2698116	100.00
		TOTAL OF BELOW STATE/UTs	18633889	82.59	1775382	65.80
		Gujarat	5157276	22.86	742776	27.53
		Kerala	4868696	21.58	89670	3.32
		Maharashtra	4372433	19.38	560204	20.76
		Tamil Nadu	2983169	13.22	275707	10.22
		Uttarakhand	1252315	5.55	107025	3.97
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	All India	1431684	100.00	377043	100.00
		TOTAL OF BELOW STATE/UTs	1153860	80.60	276913	73.43
		Maharashtra	798001	55.74	182656	48.44
		Tamil Nadu	105099	7.34	33498	8.88
		Telangana	101481	7.09	28355	7.52
		Rajasthan	81164	5.67	10865	2.88
		Delhi	68115	4.76	21539	5.71
38	WASTE COLLECTION, TREATMENT AND DISPOSAL ACTIVITIES; MATERIALS RECOVERY	All India	1108912	100.00	198133	100.00
		TOTAL OF BELOW STATE/UTs	888430	80.11	108925	54.98
		Gujarat	622889	56.17	68724	34.69
		Tamil Nadu	213706	19.27	30851	15.57
		Andhra Pradesh	51835	4.67	9350	4.72
58	PUBLISHING ACTIVITIES	All India	682544	100.00	229876	100.00
		TOTAL OF BELOW STATE/UTs	570507	83.59	192531	83.74
		Karnataka	77505	11.36	42368	18.43
		Uttar Pradesh	76131	11.15	19108	8.31
		West Bengal	75588	11.07	22943	9.98
		Kerala	71779	10.52	28433	12.37
		Telangana	68549	10.04	14261	6.20
		Tamil Nadu	55755	8.17	25337	11.02
		Gujarat	54846	8.04	20860	9.07
		Andhra Pradesh	53153	7.79	5281	2.30
		Maharashtra	37201	5.45	13940	6.06

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

Section 12

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ Lakhs)				
			Actual	Percentage	Actual	Percentage
	ALL INDUSTRIES	All India	898330129	100.00	148574512	100.00
		TOTAL OF BELOW STATE/UTs	742075520	82.61	119269143	80.28
		Gujarat	162953192	18.14	23548407	15.85
		Maharashtra	123976857	13.80	21586010	14.53
		Tamil Nadu	92735522	10.32	16397598	11.04
		Haryana	59630890	6.64	8164267	5.50
		Uttar Pradesh	56269111	6.26	8474060	5.70
		Karnataka	55687658	6.20	10640880	7.16
		Andhra Pradesh	40046283	4.46	5169997	3.48
		West Bengal	35753186	3.98	4715545	3.17
		Rajasthan	32933342	3.67	6235790	4.20
		Madhya Pradesh	28925578	3.22	4394005	2.96
		Odisha	27670833	3.08	4189428	2.82
		Telangana	25493068	2.84	5753156	3.87



भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड I

PART II — Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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

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

MINISTRY OF LAW AND JUSTICE

(Legislative Department)

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

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

THE COLLECTION OF STATISTICS ACT, 2008

No. 7 OF 2009

[7th January, 2009.]

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

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

CHAPTER I

PRELIMINARY

1. (1) This Act may be called the Collection of Statistics Act, 2008.
- (2) It extends to the whole of India except the State of Jammu and Kashmir.
- (3) It shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint.

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

(a) “agency” includes a person or persons engaged by the appropriate Government, directly or by outsourcing, for collection of statistics;

(b) “appropriate Government” means—

(i) any Ministry or Department in the Central Government; or

Short title,
extent and
commence-
ment.

Definitions.

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

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

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

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

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

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

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

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

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

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

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

CHAPTER II

COLLECTION OF STATISTICS

Collection of statistics.

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

Provided that—

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

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

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

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

Powers of appropriate Government to appoint statistics officer, etc.

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

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

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

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

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

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

Power of statistics officer to call for information.

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

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

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

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

Duty of informants.

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

All agencies to assist.

Right of access to records or documents.

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

CHAPTER III

DISCLOSURE OF INFORMATION IN CERTAIN CASES AND RESTRICTIONS OF THEIR USE

Security of information.

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

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

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

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

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

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

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

Appropriate Government authorised to disclose certain information.

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

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

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

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

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

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

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

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

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

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

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

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

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

Disclosure of historical documents.

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

Security of recorded information.

14. Save as otherwise provided under this Act,—

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.

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

Bar of jurisdiction.

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

Protection of action taken in good faith.

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

Overriding effect.

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

37 of 1948.

Power to make rules.

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

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

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

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

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

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

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

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

Repeal and savings.

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

32 of 1953.

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

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

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

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

भाग II — खण्ड 1

PART II — Section 1

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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:

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

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

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

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

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

m=2,4 i.e., $\text{State } \hat{Y}'_{is} = \frac{1}{2} \sum_{m=2,4} \text{State } \hat{Y}'_{ism}$, where $\text{State } \hat{Y}'_{is}$ is the state sample estimate of the s-th stratum for

the sample sector.

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

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

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

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

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

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

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

Then

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

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:

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

The sampling variance based on central Samples is:

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

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),

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

where ${}^s\hat{Y}_{is} = \frac{1}{2} \sum_{m=2,4} \hat{Y}_{ism}$, ${}^s\hat{X}_{is} = \frac{1}{2} \sum_{m=2,4} \hat{X}_{ism}$, ${}^s\hat{R}_i = \text{State } \hat{Y}_i / \text{State } \hat{X}_i$; \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 ${}^{\text{State}}\hat{X}_i$ and ${}^{\text{State}}\hat{Y}_i$ 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 :

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

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

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:

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

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

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 2019-2020 (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			

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)**		
<i>Note:</i>			
* Give reasons in the footnote for negative values and abnormal verification in opening and closing values.			
** If outstanding loans include interest, a footnote may be given			

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 I N P U T	1.	Work done by others on materials supplied by the industrial undertaking
	2.	Repair & maintenance of
		(i) Buildings and other construction
		(ii) Other fixed assets
	3.	Operating expenses
	4.	Expenses on raw materials and other components for own construction
	5.	Insurance charges
	6.	Rent paid for plant & machinery and other fixed assets
	7.	Expenses on Research & Development (R&D)
	8.	Rent paid for buildings
	9.	Rent paid for land on lease or royalties on mines, quarries and similar assets
	10.	Interest paid
	11.	Purchase value of goods sold in the same condition as purchased
12.	Inward transportation cost	
13.	Outward transportation cost	

Block G: OTHER OUTPUT/RECEIPTS		
Sl. No.	Items	Receipts (in Rs.)
(1)	(2)	(3)
O T H E R O U T P U T	1.	Receipts from manufacturing services (including work done for others on materials supplied by them and sale value of waste left by the party)
	2.	Receipts from non-manufacturing services (including non-industrial services)
	3.	Value of electricity generated and sold
	4.	Value of own construction
	5.	Net balance of goods sold in the same condition as purchased. (item 11 of block G <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 (NPC-MS)	Unit of quantity	Quantity manufactured	Quantity sold	Gross sale value (Rs)	Distributive expenses (Rs.)				Per unit net sale value (Rs. 0.00) (col. 7-[col. 8+col. 9+col.10-col.11] ÷ col. 6)	Ex-factory value of quantity manufactured (Rs.) (col.12× col.5)
							Excise duty	Sales tax/VAT	Others	Subsidy (-)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.												
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.	Other products/by-products*	9921100										
12.	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 2019-20?	
2.	Did the factory use the internet during FY 2019-20?	
3.	Did the factory have a website as on the date of survey?	
4.	Did the factory receive orders via the internet during FY 2019-20?	
5.	Did the factory place orders for business purpose via the internet during FY 2019-20?	
6.	Did the factory connect to the internet either by a. Narrowband or b. Fixed broadband or c. Mobile broadband during FY 2019-20?	
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 2019-2020**Part A**

Report of scrutiny on Part-I of the return

State (code) _____ Distt. (code) _____

DSL No./PSL No. _____

Ind. code (5-digit NIC 2008) as per return _____

Scheme Code _____

Sl. No.	Bl. no.	Item	Unit	Average rate per unit*	If high or low, reasons to be furnished by	
1	H	Input items (Indigenous) Major Ten basic items consumed	X	X	Superintending Officer	Scrutinising Officer
		1)				
		2)				
		3)				
		4)				
		5)				
		6)				
		7)				
		8)				
		9)				
		10)				
		11) Electricity purchased				
		12) Coal				
2	I	Directly imported items consumed (major five items)				
		1)				
		2)				
		3)				
		4)				
		5)				

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

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

4	Item	Current year (2019-20)	Previous year (2018-19)	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 (2019-20)	Previous year (2018-19)	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}) (-) (L _{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 2019-2020
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, 2019								
2.	May, 2019								
3.	June, 2019								
4.	July, 2019								
5.	Aug, 2019								
6.	Sep, 2019								
7.	Oct, 2019								
8.	Nov, 2019								
9.	Dec, 2019								
10.	Jan, 2020								
11.	Feb, 2020								
12.	Mar, 2020								

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 2019-2020 the reference period is the financial year commencing from 1st April 2019 and ending on 31st March 2020 or the accounting year of the factory ending on any date between 01.04.2019 to 31.03.2020.

4. **Survey Period:** Survey period is a period during which work of any Annual Survey of Industries is undertaken. The survey period for ASI 2019-2020 is from April 2021 to January, 2022.

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

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

'Any process' for:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.