



सत्यमेव जयते

उद्योगों का वार्षिक सर्वेक्षण
ANNUAL SURVEY OF INDUSTRIES
2017-2018

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 दृश्य पर वस्तुगत मूल्यांकन की महत्वपूर्ण विशेषताओं के बारे में सूचना देता है। कारखाना अधिनियम, 1948 के अन्तर्गत पंजीकृत कारखानों और वीड्री और सिगार कामगार (राजगार की शर्तें) अधिनियम, 1966 के अधीन प्रतिष्ठानों के संगठित विनिर्माणकारी क्षेत्र इसके अंतर्गत आते हैं और विद्युत उत्पादन, संचारण तथा वितरण में लगे विद्युत उपकरणों जो केंद्रीय विद्युत अधिकरण (सी.ई.ए) द्वारा पंजीकृत नहीं हैं वे भी उ.वा.स. में शामिल हैं। सर्वेक्षण परिणाम योजना बननेवालों, नीति निर्माताओं, उद्योग संस्थाओं, अन्वेषकों, तथा व्यवसाय तथा उद्योग विश्लेषकों द्वारा व्यापक रूप से प्रयोग किए जाते हैं।

उ.वा.स. अब एक वेब आधारित प्रणाली "ASI Web Portal" के माध्यम से संचालित की जा रही है, जो इस मंत्रालय का प्रथम सफल ई-गवर्नेंस है। उ.वा.स. 2017-18 के दौरान प्रतिदर्श चयन, आंकड़ा प्रविष्टि, विधिमान्यकरण, संवीक्षा आदि "ASI Web Portal" के माध्यम से ऑनलाइन पूरी की गई है।

परिपाटी के मुताबिक उ.वा.स. के परिणाम दो खंडों में प्रकाशित होते हैं। खण्ड-1 में पूँजी, रोजगार, परिलब्धियों, और औद्योगिक क्षेत्र से संबद्ध अन्य कई आर्थिक मानदंड जैसे- (i) कारखानाओं की संख्या (ii) अचल/कार्यशील पूँजी (iii) कुल निवेश (iv) कुल उत्पाद (v) मूल्य ह्रास (vi) शुद्ध वर्धित मूल्य आदि दिए गए हैं। खण्ड- II में उपभोग की गई सामग्रियां, उत्पाद का कारखाना बाह्य मूल्य, जो राज्यों/संघ शासित राज्य-क्षेत्र के साथ-साथ संपूर्ण भारत के स्तर पर का विस्तृत विवरण देता है। जबकि खण्ड-1 को उ.वा.स. के वेब-पोर्टल (www.csoisw.gov.in) पर अपलोड किया जाता है, खंड-II को ई-मीडिया (सी.डी.रोम) पर प्रकाशित किया जाता है।

राष्ट्रीय सांख्यिकी कार्यालय (NSO) ने उ.वा.स. के परिणाम के कुछ मुख्य विशेषताओं की तरफ ध्यान आकर्षित करने के लिए संक्षिप्त प्रकाशन के महत्व की पहचान की। इस उद्देश्य को ध्यान में रखते हुए 'कारखाना क्षेत्र का सार परिणाम' को अलग से प्रकाशन के लिए लाया जा रहा है और इसे उ.वा.स. के वेब-पोर्टल (www.csoisw.gov.in) पर अपलोड किया जा रहा है। इस प्रकाशन का मकसद अखिल भारत और राज्य/संघ-शासित राज्य-क्षेत्र की प्रधान विशेषताओं पर विशेष तालिकाओं के माध्यम से उ.वा.स. परिणामों की सार दृष्टिकोण एवं राष्ट्रीय औद्योगिक वर्गीकरण- 2008 (एन.आई.सी-2008) की 2-अंकीय स्तर पर प्रकाश डालना है। यह रोजगार के आकार, पूँजी, सकल उत्पाद और निवल वर्धित मूल्य जैसी महत्वपूर्ण विशेषताओं के आधार पर कारखानाओं के वितरण की जानकारी देता है। तालिकाएं, जो प्रत्येक राज्य/संघ राज्य-क्षेत्र एवं सर्वभारतीय स्तर पर 80% अंशदान करनेवाले बड़ी कंपनियों से संबंधित हैं, क्षेत्रीय स्तर के दृश्य को भी दर्शाती हैं। इसके अतिरिक्त, यह संगठित विनिर्माणकारी क्षेत्रों में अतिकाल के दौरान हुए परिवर्तनों की बेहतर परिकल्पना करने के लिए ग्राफ और चार्ट दिया है।

इन खंडों को प्रकाशित करने हेतु राष्ट्रीय सांख्यिकी कार्यालय (NSO) के क्षेत्र कार्य प्रभाग एवं औद्योगिक सांख्यिकी कार्यालय, डाटा क्वालिटी एक्सपर्ट्स डिविजन के अधिकारियों एवं कर्मचारियों के समर्पित प्रयासों की मैं प्रशंसा करता हूँ। मैं कारखाना प्रबंधन की भी प्रशंसा करता हूँ, जिन्होंने संबद्ध अभिलेखों से आंकड़ा संग्रह करने में क्षेत्र अधिकारियों को सभी प्रकार का सहयोग दिया है।

इस रिपोर्ट के सुधार के लिए सुझावों का बहुत स्वागत है।



विजय कुमार
महानिदेशक(एनएसएस)
राष्ट्रीय सांख्यिकी कार्यालय
सांख्यिकी एवं कार्यक्रम कार्यान्वयन मंत्रालय
भारत सरकार

नई दिल्ली
फरवरी, 2020

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

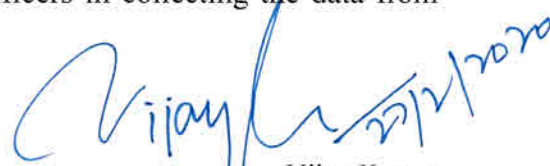
ASI is now being conducted through a web based system called 'ASI Web Portal', the first successful e-governance project of this Ministry. The sample selection, data entry, validations, scrutiny etc. for ASI 2017-18 have been accomplished online through the ASI Web Portal.

As a matter of convention, the ASI results are published in two volumes. Volume I 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 material 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 ASI Web Portal (www.csoisw.gov.in), Volume II is published in e-media (CD-ROM).

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 ASI Web Portal (www.csoisw.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 gives 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-operations to the field officers in collecting the data from relevant records.

Suggestions for improvement are most welcome.



Vijay Kumar
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Ministry of Statistics & Programme Implementation
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New Delhi
February, 2020

उद्योगों का वार्षिक सर्वेक्षण: 2017-2018

विषय-वस्तु

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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 ताकि 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 बनाए गए नियमावली की प्रति **परिशिष्ट-1** में दिए गए हैं।

1.1.2 वार्षिक उद्योग सर्वेक्षण का विस्तार समग्र कारखाना क्षेत्र पर है जिसमें वे सभी औद्योगिक इकाइयाँ (जो कारखाना कहलाती हैं) शामिल हैं जो फैक्टरी अधिनियम, 1948 की धारा 2(एम) (i) तथा 2(एम)(ii) के अंतर्गत पंजीकृत हों। उक्त कारखाना अधिनियम में "कारखाना" जो कि उद्योगों के वार्षिक सर्वेक्षण के लिए परिगणना की प्राथमिक 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) को देखें) निम्न रूप से परिभाषित किया गया है-

"कोई प्रक्रिया" जो:

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

1.1.3 कारखाना अधिनियम, 1948 की धारा 2(एम)(i) और 2(एम)(ii) के अतिरिक्त बीड़ी एवं सिगार इकाईयाँ, 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 शर्तों) अधिनियम, 1966 के अंतर्गत पंजीकृत इकाइयाँ हैं, उ.वा.स. में शामिल है। 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 के खंड 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) मे राज्य सरकारों द्वारा तैयार तथा राष्ट्रीय लेखा प्रभाग, केंद्रीय सांख्यिकी कार्यालय के पास उपलब्ध तथा क्षेत्र कार्य प्रभाग, राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा सत्यापित किसी भी सात अधिनियम/बोर्ड/प्राधिकरण जैसे, कंपनीज एक्ट. 1956; कारखाना अधिनियम. 1948; शॉप्स एंड कमर्शियल एस्टेब्लिसमेंट एक्ट; सोसाइटीज रजिस्ट्रेशन एक्ट; कोऑपरेटिव सोसाइटीज एक्ट; खादि एंड विलेज इंडस्ट्रिज बोर्ड; डाइरेक्टरेट ऑफ इंडस्ट्रिज (डिस्ट्रिक्ट इंडस्ट्रिज सेंटर) 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, काफे एवं कम्प्यूटर सेवाएं, विभागीय इकाइयां जैसे रेलवे वर्कशॉप, आर.टी.सी. वर्कशॉप, सरकारी टकसाल, सफाई, जल आपूर्ति, गैस भंडारण इकाई, आदि को सर्वेक्षण के क्षेत्र से बाहर रखा गया है। सर्वेक्षण 2017 में यथासंशोधित व उनके तहत 2011 में बनाए गए नियमों के तहत सांख्यिकी संग्रहण अधिनियम, 2008 के सांविधिक प्रावधानों के तहत सालाना किया जाता है। 2017-2018 से उद्योगों के वार्षिक सर्वेक्षण का भौगोलिक विस्तार संपूर्ण देश में कर दिया गया है।

1.2 परिगणना एकक

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

1.3 उ.वा.स फ्रेम

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

1.3.2 उल्लेखनीय है कि प्रचालन में रहे कारखानों को छोड़कर उ.वा.स. फ्रेम में वैसे कारखाने हैं, जिन्हें पैरा 1.6.2 में परिभाषित 'अचल आस्तियों व मेनटेनिंग स्टाफ सह, पर उत्पादन रहित हैं' तथा 'अचल आस्तियों सह, पर मेनटेनिंग स्टाफ व उत्पादन रहित हैं' की कोटि में रखा गया है।

1.4 संदर्भ अवधि

1.4.1 उ.वा.स. 2017-2018 की संदर्भ अवधि कारखाना का लेखा वर्ष था जो कि वित्तीय वर्ष 2017-2018 के दौरान किसी भी दिन समाप्त होने वाला दिन था। अतः उ.वा.स. 2017-2018 में विभिन्न स्थापनाओं से संग्रहित किए गए ऑकड़े 1 अप्रैल, 2017 व 31 मार्च, 2018 के बीच उनके अपने लेखा वर्ष को समाप्त किसी भी दिन से संबंधित है। यह सर्वेक्षण नवंबर, 2018 से जून, 2019 तक किया गया था।

1.5 प्रतिदर्श डिजाइन एवं प्रतिदर्श आबंटन

1.5.1 उ.वा.स. 2017-18 में अपनाए गए प्रतिदर्श डिजाइन के अनुसार उ.वा.स. प्रतिदर्श के दो भाग हैं- केंद्रीय प्रतिदर्श व राज्य प्रतिदर्श। केंद्रीय प्रतिदर्श के दो स्कीम हैं- गणना और प्रतिदर्श। गणना स्कीम के अंतर्गत सभी इकाइयों का सर्वेक्षण किया जाता है।

1.5.2 गणना स्कीम : गणना स्कीम की निम्नलिखित इकाइयाँ हैं-

- (क) सभी औद्योगिक इकाइयाँ, जो औद्योगिक रूप से सात कम विकसित राज्य/संघ राज्य क्षेत्र यथा: अरुणाचल प्रदेश, मणिपुर, मेघालय, नागालैंड, सिक्किम, त्रिपुरा एवं अंडमान एवं निकोबार द्वीपसमूह 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 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 यथा, चंडीगढ़, दिल्ली तथा पुडुच्चेरी की वैसी इकाइयाँ जिनमें 50 या अधिक कर्मचारी काम करते हैं।
- (iii) वे इकाइयाँ जिनमें 100 या इससे ज्यादा कामगार हों एवं जो उपरोक्त (i) तथा (ii) में उल्लिखित नहीं हैं।
- (iv) संयुक्त रिटर्न के अंतर्गत आनेवाली सभी इकाइयाँ जहाँ संयुक्त रिटर्न तभी मान्य है जब एक ही प्रबंधन के अंतर्गत एक ही राज्य/ संघ राज्य क्षेत्र में स्थित (3-अंकीय एन.आई.सी. स्तर) कारखाना की दो या अधिक इकाइयाँ हों।
- (घ) उपरोक्त (क), (ख) एवं (ग) में परिभाषित गणना स्कीम इकाइयों को छोड़कर स्ट्राटा का निर्माण (राज्य x जिला x

क्षेत्र x तीन अंकीय एन.आई.सी.-2008) स्तर पर किया जाता है। यहाँ, "क्षेत्र" बहुत विशाल आर्थिक समूह है जिसमें विनिर्माण, विद्युत उत्पादन कार्य तथा "बीडी" बनाने का कार्य शामिल है। इस प्रकार, संक्षेप में, (i) बीडी, (ii) विनिर्माण और (iii) विद्युत क्षेत्र हैं। (राज्य x जिला x क्षेत्र x तीन अंकीय एन.आई.सी.-2008 आधार पर निर्मित) स्ट्राटा की इकाइयाँ चार इकाइयों के बराबर या उससे कम है, उनकी भी संपूर्ण गणना की जाती है और उन्हें भी "गणना क्षेत्र" की इकाई समझी जाती है।

(ड.) प्रतिदर्श स्कीम :

फ्रेम में बचे हुए सारे इकाइयों को प्रतिदर्श स्कीम के अंतर्गत समझा जाता है। सभी राज्यों के लिए स्तर का निर्माण प्रत्येक राज्य x जिला x क्षेत्र x तीन अंकीय एन.आई.सी.-2008 कारखानों के लिए किया जाता है। प्रत्येक स्ट्रैटम में इकाइयों को कर्मचारियों की संख्या के अनुसार अवरोही क्रम में रखा जाता है। प्रतिदर्श चयन हेतु स्ट्रैटिफाइड सर्कुलर सिस्टैमेटिक प्रतिदर्श तरीका अपनाया जाता है। कम से कम चार इकाइयों का इकाइयों की समसंख्या का चयन किया जाता है और इसे चार उप-प्रतिदर्शों में बराबर बॉट 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.का.प्र.) को दिया जाता है और बाकी दो उप-प्रतिदर्श ऑकड़ा संग्रहण हेतु राज्य/संघ राज्य क्षेत्र को दे दिया जाता है।
- (छ) संपूर्ण गणना इकाई व राष्ट्रीय सांख्यिकी कार्यालय (NSO) (क्षे.का.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 का अपने राज्य/ संघ राज्य क्षेत्र द्वारा कैनवास किया जाना है। अतः अपने-अपने राज्य/ संघ राज्य क्षेत्र के जिला स्तर के प्राक्कलनों को प्राप्त करते समय राज्य/संघ राज्य क्षेत्र को उनके उप-प्रतिदर्शों के साथ-साथ राष्ट्रीय सांख्यिकी कार्यालय (NSO) (क्षे.का.प्र.) द्वारा संग्रहित तथा औ.सां स्कंध, डाटा क्वालिटी एस्योरेंस डिविजन(DQAD), राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा संसाधित आंकड़ों का प्रयोग करना पड़ता है।
- (झ) राज्य प्रतिदर्श एवं केंद्र प्रतिदर्श के पूलन हेतु संपूर्ण गणना इकाई व राष्ट्रीय सांख्यिकी कार्यालय (NSO) (क्षे.का.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 11.5% औसत प्रतिदर्श अंश समझकर लिया गया है। 'खुला', 'अचल आस्तियों व मेनटेनिंग स्टाफ सह पर उत्पादन रहित हैं' तथा 'अचल आस्तियों सह पर मेनटेनिंग स्टाफ व उत्पादन रहित' स्थिति वाली इकाइयों वाले लाइव फ्रेम का आकार 2,38,907 था। इनमें से गणना क्षेत्र का 51,569 यूनिट तथा बाकी 1,87,338 यूनिट प्रतिदर्श क्षेत्र का था। उ.वा.स. 2017-18 में कुल प्रतिदर्श आकार 76,613 (गणना, 51,569 तथा प्रतिदर्श 25,044) यूनिट था।

1.6 प्राक्कलन पद्धति

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

1.6.2 कुछ चयनित यूनिटों के संबंध में सर्वे के दौरान पाया जाता है कि इकाई दिए गए स्थान में थीं और संदर्भ अवधि के दौरान कुछ कामगार भी काम में लगे हुए थे, किंतु विभिन्न कारणों से संदर्भ अवधि में उनका उत्पादन शुरू नहीं हुआ था और जो समस्याओं का समाधान होने पर किसी भी क्षण उत्पादन प्रारंभ कर सकता है। इन यूनिटों को संदर्भ अवधि के दौरान उ.वा.स. के उद्देश्य से अचल आस्तियां सह, पर मेनटेनिंग स्टाफ व उत्पादन रहित समझा जाता है और उसी तरह से दूसरे सर्वेक्षित यूनिटों (यथा, यूनिट जिनके लिए संबद्ध सूचना एकत्रित की जा सके) के साथ सभी मानदंडों जैसे, आस्तियां, रोजगार, इत्यादि में रखा जाता है। कुछ दूसरे यूनिट भी हैं जो किसी दिए गए स्थान में थीं, परंतु संदर्भ अवधि में किसी कामगार की नियुक्ति नहीं की और संदर्भ अवधि में न तो उत्पादन आरंभ की और न ही कुछ पैदा कर पाई। ऐसी यूनिटों को उ.वा.स. के उद्देश्य से, संदर्भ अवधि में अचल आस्तियों सह पर मेनटेनिंग स्टाफ व उत्पादन रहित समझा जाता है। इसके अलावा, परिपाटी के मुताबिक, ऐसी यूनिटों को लगातार तीन वर्षों तक फ्रेम में रखा जाता है और सर्वे 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 यूनिटें जो 'अचल आस्तियों सह पर मेनटेनिंग स्टाफ व उत्पादन रहित' अस्तित्व में पायी जाती हैं, तो समझा जाता है कि वे मृत हैं और फ्रेम से विलुप्त कर सर्वे से हटा दिया जाता है। उल्लेखनीय है कि संदर्भित अवधि के लिए युनिटों (कारखानों) की प्राक्कलित संख्या देने में, इस रिपोर्ट में प्रस्तुत मानदंडों के प्रचलित तरीके से प्राक्कलन के लिए इन यूनिटों को अन्य सर्वेक्षित युनिटों 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 एस्योरेंस डिविजन(DQAD), राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा संसाधित केंद्रीय प्रतिदर्श आँकड़ों पर आधारित हैं। इसके अतिरिक्त, इस प्रकाशन में दिए गए प्राक्कलित मूल्य के आँकड़े चालू मूल्यों में दिए गए हैं। मूल्यांकों को हजार या लाख ₹0 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 सकता है। 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 भी परवर्ती उच्चतर संख्या से मेल नहीं भी खा सकती है।

1.7 जॉच की अनुसूची

1.7.1 उ.वा.स. 2017-18 की अनुसूची के दो भाग हैं। भाग एक का विधायन औ.सां.स्कंध, डाटा क्वालिटी एस्योरेंस डिविजन(DQAD), राष्ट्रीय सांख्यिकी कार्यालय(NSO) में किया जाता है, जिसका उद्देश्य अचल परिसंपत्तियों 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 आँकड़े संग्रह करना है। भाग दो, जिसका प्रक्रमण श्रम ब्यूरो द्वारा किया जाता है, का उद्देश्य श्रम सांख्यिकी से संबंधित विभिन्न पक्षों, जैसे कि कार्य दिवस, श्रम घंटे, अनुपस्थिति, श्रमिकावर्त, उपार्जन एवं सामाजिक सुरक्षा लाभों के बारे में आँकड़े एकत्रित करना है।

1.7.2 उ.वा.स. 2017-18 अनुसूची की एक प्रति *परिशिष्ट - III* में दी गई है। उ.वा.स. सर्वेक्षण में प्रयुक्त विभिन्न अवधारणाएं व परिभाषाएं *परिशिष्ट- I V* 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 हैं। यह एक पूर्ण उत्पाद वर्गीकरण है जिसमें SNA फ्रेमवर्क के तहत उत्पाद की परिभाषा के अनुरूप वस्तुएं एवं सेवाएं शामिल हैं। विनिर्माण क्षेत्र के लिए राष्ट्रीय उत्पाद वर्गीकरण (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 हैं 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 H, I व J ब्लॉक में स्थित निवेश निर्गम 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 निवेश निर्गम मदों को वर्गीकृत करने में किया जाता है।

1.8.2 उ.वा.स 1973-74 से वा.उ.स. 1988-89 तक कारखानों के आर्थिक क्रिया कलापों के वर्गीकरण के लिए एन.आई.सी.-1970 का अनुसरण किया गया था। तब एन.आई.सी.-1987 को चालू किया गया था जिसका उ.वा.स. 1997-98 तक अनुसरण किया गया। उ.वा.स. 1998-99 से उ.वा.स. 2003-04 तक एन.आई.सी.-1998 का अनुसरण किया गया था। उ.वा.स. 2004-

05 से वर्गीकरण की नई श्रेणी अर्थात एन.आई.सी-2004 चालू की गई और इसे ही उ.वा.स. 2007-08 तक उपयोग में लाया गया। उ.वा.स. 2008-09 से एन.आई.सी-2008 चालू किया गया। यह वा.उ.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 2 या 3 या 4 अंकीय स्तर के उद्योग एन.आई.सी. 2008 वर्गीकरण से मेल खाते हैं। दो अंकीय एन.आई.सी. विभाजन 10-33, 38 व 58 के सभी कारखाने और एन.आई.सी.-2008 के उप-वर्ग 01632, 01640 & 08932 और अन्य कारखाने (सारणी 0 में सूचीकृत) भी उ.वा.स. 2016-17 में शामिल हैं। इस प्रकाशन के लिए सारणी 0 उद्योगों के वर्गीकरण को वृहत् कोटि में दर्शाती है।

सारणी 0 : उद्योगों का वर्गीकरण वृहत् वर्गों में

एन.आई.सी.-08	वृहत् 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 एस्योरेंस डिविजन(DQAD), राष्ट्रीय सांख्यिकी कार्यालय (NSO) द्वारा संसाधित केंद्रीय प्रतिदर्श ऑकड़ों पर आधारित होते हैं। उ.वा.स. 2017-18 के परिणाम सर्वभारतीय स्तर पर NIC-2008 के 2/3/4 अंकीय स्तर पर तथा राज्यों/संघ राज्य क्षेत्र स्तर पर NIC-2008 के 2/3- अंकीय स्तर पर जारी किए जाते हैं। खंड-1 में अचल पूंजी तथा वर्धित मूल्य, रोजगार तथा मजदूर

लागत, खपत इंधन आदि की सारणी है, जबकि खंड-II में 3-अंकीय NIC राज्यवार खपत माल, तथा कारखानों द्वारा उत्पन्न उत्पाद और उपोत्पाद है। इन निवेश निर्गम मदों 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 सर्वभारतीय/केंद्र राज्य क्षेत्रों व NIC-2008 के 2 अंकीय स्तर पर मुख्य अभिलक्षणों पर विशेष सारणियों के माध्यम से उ.वा.स परिणामों का सार दृश्य देने के मद्देनजर तैयार किया जाता है। यह महत्वपूर्ण अभिलक्षणों जैसे, रोजगार का आकार, पूंजी, सकल उत्पाद, निवल वर्धित मूल्य द्वारा कारखानों के वितरण को दर्शाता है।

1.9.2 सांख्यिकी संग्रहण अधिनियम, 2008 के अनुसार अलग-अलग कारखानों का ऑकड़ा बताना निषिद्ध है। अतः अगर किसी रभेजत य में (एन.आई.सी 08 के दो अंकीय/ तीन अंकीय स्तर)के किसी उद्योग के अंतर्गत कभेरखभेनों की संख्यभे तीन से कम हो, तो संबंधित स्टैटम के ऐसे सभी इकभेईयों की पहचभेन छु पभेने के लिए ऑक्री को एकसमभेन उद्योग से मिलभे दियभे गयभे है।

1.9.3 सभी प्राक्कलन किसी विशेषतः विशेष उपयुक्त व उत्पादित मद की मात्रा का मूल्यांक सांख्यिकीय भूलों के अधीन है क्योंकि इनका प्राक्कलन किसी चयनित प्रतिदर्श के आधार पर किया जाता है। उन वस्तुओं के लिए उपभोग तथा उत्पादन का प्राक्कलन अलग - अलग नहीं किया जाता है जिसके लिए अवलोकन की सं. अपर्याप्त है। उन्हें 'अन्य' के अंतर्गत दर्शाया जाता है क्योंकि वैसे मदों के प्राक्कलन उचित नहीं 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. कवरेज 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 दिखाया गया है।

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

1.9.6 कुछ विशेष मामलों में, पिछले साल की तुलना में कुछ विशिष्टताओं में असामान्य वृद्धि/गिरावट हो सकते हैं, उसके संभावित कारण निम्नलिखित है:-

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

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

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

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

(ड.) पिछले वर्ष के उच्च/निम्न कार्यनिष्पादन की तुलना में चालू 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 available with National Accounts Division 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 2017-2018 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 2017-2018 was the accounting year of the factory, ending on any day during the financial year 2017-2018. Thus in ASI 2017-2018, data collected from establishments relate to their respective accounting years that ended on any day between 1st April 2017 and 31st March 2018. Survey was conducted during November, 2018 to June, 2019.

1.5 Sample Design and Sample Allocation

1.5.1 As per sampling design adopted in ASI 2017-2018, 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 seven less industrially developed states/ UT's viz. Arunachal Pradesh, Manipur, Meghalaya, Nagaland, Sikkim, Tripura and Andaman & Nicobar Islands.

(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, namely, Jammu & Kashmir, Himachal Pradesh, Rajasthan, Bihar, Chhattisgarh and Kerala;

(ii) units having 50 or more employees from three States/UTs, namely, Chandigarh, Delhi and Puducherry;

(iii) units having 100 or more employees for rest of the States/UTs, not mentioned in (i) and (ii) above and;

(iv) all units covered under 'Joint Return' (JR), where JR is allowed when the two or more units located in the same State/UT belonging to the same industry (3-digit level of NIC) under the same management.

(d) After excluding the Census Sector units as defined in paragraphs (a), (b) and (c) above, the strata are formed at State × District × Sector × 3-digit of NIC-2008 level. Here, 'sector' is very broad economic activity group consisting of manufacturing, electricity generation activity and *bidi* producing activity. Thus, in short, sectors are (i) Bidi, (ii) Manufacturing and (iii) Electricity. All units belonging to the strata (i.e., formed on the basis of units in *State by District by Sector by 3-digit of NIC-08*) having less than or equal to 4 units are completely enumerated and are thus considered as 'census sector' units.

(e) Sample scheme:

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

(f) Out of these 4 sub-samples, two pre-assigned sub-samples are given to NSO (FOD) and the other two sub-samples 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 11.5% 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 2,38,907. Of these, 51,569 units belonged to the Census Sector, while the remaining 1, 87,338 units formed the Sample Sector. Total sample size for ASI 2017-2018 was 76,613 (51,569 Census and 25,044 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 2017-2018 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 2017-2018 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 2017-18. 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 2017-2018 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.

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 आकलन प्रक्रियाएँ

2.1 उ.वा.स. में प्रतिदर्श हमेशा फ्रेम से निकाले जाते हैं, जिनमें स्टैटस कोड '1','2' और '3' की यूनिटें होती हैं यथा, जो क्रमशः 'खुला', 'फिक्स्ड एस्सेट्स एवं मेंटनिंग स्टाफ सह विद्यमान पर उत्पादन रहित', 'फिक्स्ड एस्सेट्स परंतु मेंटनिंग स्टाफ व उत्पादन रहित' - कारण यह है कि इन्हें जीवित समझा जाता है और कुछ का संदर्भ अवधि में प्रचालन किया गया है और कुछ अन्य भूत में निरन्तर उत्पादन कर रहे थे पर कुछ निश्चित कारणों से वे संदर्भ अवधि में कुछ भी प्रचालन/उत्पादन नहीं किए, किन्तु सभी परिसम्पतियों इत्यादि के साथ मौजूद है और किसी भी समय उत्पादन प्रारंभ कर सकते हैं। इन सभी मामलों में यूनिटों को 'सर्वेक्षित' समझा जाता है, यदि यूनिट के लिए आवश्यक सूचना संग्रहित की जाती है अन्यथा इन्हें 'अप्रतिवेदित या कैजुअल्टी' माना जाता है। गुणकों की गणना में 'यूनिटों के स्टैटस' के विभिन्न मामलों में टेबुल 1 विवेचना करता है।

2.2 स्टेटमेंट 0A (i) फ्रेम में (ii) चयनित और (iii) उ.वा.स. 2017-18 में सर्वेक्षित राज्यवार/संघ राज्य-क्षेत्रवार कारखानों की संख्या दर्शाता है। यह उल्लेख किया जा सकता है कि 'सर्वेक्षित' मामलों में उपर वर्णित कैजुअल्टी मामले शामिल नहीं हैं। उ.वा.स. 2017-18 में सर्वे की स्थिति के अनुसार स्टेटमेंट 0B व 0C क्रमशः चयनित कारखानों की संख्या का पूर्ण और प्रतिशतता वितरण बताता हैं।

2.3 वर्ष 2017-18 में सर्वे की स्थिति के अनुसार स्टेटमेंट 1ए कारखानों की प्राक्कलित संख्या (पूर्ण रूप में) का बताता है और स्टेटमेंट 2ए 'प्रचालन में कारखानों की संख्या' का आकलन (पूर्ण रूप से) प्रत्येक राज्य/संघ शासित राज्य-क्षेत्र के लिए अलग-अलग दर्शाता है। यह उल्लेख किया जा सकता है कि इस प्रकाशन में प्रस्तुत सभी दरें और अनुपात 'चालू कारखानों' से प्राप्त वितरण दिए गए हैं। निजी प्रतिशतता का वितरण 1बी तथा 2बी स्टेटमेंट में दिए गए हैं।

2.4 स्टेटमेंट 1A व 1B से देखा जा सकता है कि सर्वे के दौरान लगभग 42,100 कारखानों (17.71%) ने अपना स्टैटस कोड 4 दिखाया है। यह इस बात का संकेत देता है कि इन यूनिटों को फ्रेम में नहीं होना चाहिए था, क्योंकि 'यूनिट का मौजूद नहीं होना या मालिक का पता नहीं है' या 'रजिस्ट्रेशन' रद्द होने या विस्तार-क्षेत्र के बाहर होने से यूनिट का नाम हटा दिया जाना आदि कारण हो सकते हैं और गुणक की गणना करने में ऐसी यूनिटों को 'जीरो' केसेज माना जाता है। 2,37,684 आकलित कारखानों की संख्या में लगभग 1,94,391 (81.79%) इसी प्रकार के है जिनका स्टैटस कोड 1, 2 और 3 के साथ है। आदर्श रूप से केवल इन्हें वर्ष 2017-18 के दौरान फ्रेम में मौजूद होना चाहिए था। आगे, केवल 1,193 कारखानों (0.50%) के संबंध में, जिसने चालू वर्ष में कोई आंकड़ा नहीं दिया (नन-रिस्पॉन्स), आंकड़ा पिछले वर्ष से अध्यारोपित किया जा सका। वैसे यूनिट जिनका स्टैटस कोड 1, 2 व 3 है और जिन्हें पिछले वर्ष से अध्यारोपित किया गया है, उन्हें 'चालू यूनिट' समझा जाता है और उनका प्रयोग उ.वा.स. 2017-18 पर आधारित रिपोर्टों में दी गई सभी दर और अनुपात की गणना में उपयोग होता है, जब तक कि अन्य रूप से उल्लिखित नहीं हो।

टेबुल 1 : सर्वेक्षित मामलों, जीरो केसेज और कैजुअल्टी मामलोंके लिए निरूपण

कोड	गुणक की गणना का निरूपण
1,2,3	'खुला' तथा चालू मामला समझा जाता है यदि केवल यूनिट के लिए उपयुक्त आवश्यक सूचना उपलब्ध है। अन्यथा नन-रिस्पॉन्स (कैजुअल्टी) माना जाए।
4	सभी मानदंडों के लिए 'जीरो केस' माना जाता है।
5,7,8	नन-रिस्पॉन्स (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 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 2017-18. It may be noted in this table that the 'surveyed' cases exclude all the casualty cases as explained above. Statement 0B and 0C respectively gives the absolute and percentage distribution of number of selected factories by status of survey for ASI 2017-18.

2.3 Statement 1A gives the estimated 'number of factories' (in absolute terms) in 2017-18 by status of survey, and Statement 2A displays the estimated 'number of factories in operation' (in absolute terms) by status of survey separately for each State/UT. It may be noted that all the rates and ratios, presented in this publication, are derived for 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 42,100 factories (17.71%) 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 2,37,684 'number of factories', about 1,94,391 factories (81.79%) are with status codes 1, 2 and 3 and ideally, only they should have been present in the frame during the period 2017-18. Further, data could be imputed from last year in respect of only 1,193 factories (0.50%), which actually 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 2017-18 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	20	20	18
Andhra Pradesh	16346	3321	3210
Arunachal Pradesh	119	119	117
Assam	4606	1625	1483
Bihar	3488	1466	1413
Chandigarh	234	113	111
Chattishgarh	3356	1061	1039
Dadra & Nagar Haveli	1366	599	581
Daman & Diu	1752	531	516
Delhi	3444	1438	1415
Goa	716	363	359
Gujarat	26696	7395	7148
Haryana	8952	3202	3108
Himachal Pradesh	2701	984	912
Jammu & Kashmir	1026	492	484
Jharkhand	2882	945	900
Karnataka	13584	5053	4904
Kerala	7693	2647	2555
Madhya Pradesh	4588	2051	1964
Maharashtra	26521	8378	8066
Manipur	206	206	191
Meghalaya	145	145	133
Nagaland	187	187	186
Odisha	3104	1177	1113
Puducherry	681	348	347
Punjab	12747	2919	2821
Rajasthan	9289	3063	2927
Sikkim	82	82	82
Tamilnadu	37905	12715	12381
Telangana	15272	3487	3467
Tripura	608	608	607
Uttar Pradesh	15925	5555	5383
Uttrakhand	3028	1282	1234
West Bengal	9638	3036	2834
All India	238907	76613	74009

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

Statement OB: 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	15	0	0	3	1	1	0	20
Andhra Pradesh	2494	245	84	387	43	42	26	3321
Arunachal Pradesh	89	23	5	0	0	1	1	119
Assam	1288	114	44	37	71	62	9	1625
Bihar	1071	204	25	113	35	13	5	1466
Chandigarh	101	0	5	5	1	0	1	113
Chattishgarh	928	34	16	61	15	5	2	1061
D&N Haveli	495	0	5	81	10	3	5	599
Daman & Diu	424	3	5	84	12	1	2	531
Delhi	1173	36	18	188	2	1	20	1438
Goa	325	18	2	14	2	0	2	363
Gujarat	6083	46	92	927	105	17	125	7395
Haryana	2727	48	9	324	46	34	14	3202
Himachal Pradesh	821	16	9	66	57	3	12	984
Jammu & Kashmir	419	18	27	20	2	4	2	492
Jharkhand	727	42	37	94	22	15	8	945
Karnataka	4359	74	46	425	28	29	92	5053
Kerala	2169	227	20	139	23	17	52	2647
Madhya Pradesh	1779	53	32	100	38	14	35	2051
Maharashtra	6921	114	60	971	128	46	138	8378
Manipur	169	9	11	2	0	15	0	206
Meghalaya	121	2	7	3	11	1	0	145
Nagaland	168	12	4	2	1	0	0	187
Odisha	916	66	51	80	16	14	34	1177
Puducherry	312	15	0	20	0	0	1	348
Punjab	2489	26	33	273	74	6	18	2919
Rajasthan	2677	55	64	131	49	30	57	3063
Sikkim	75	2	1	4	0	0	0	82
Tamilnadu	10703	603	60	1015	190	31	113	12715
Telengana	2130	125	634	578	0	11	9	3487
Tripura	373	193	36	5	1	0	0	608
Uttar Pradesh	4552	80	54	697	109	24	39	5555
Uttrakhand	1134	10	7	83	37	6	5	1282
West Bengal	2533	70	51	180	139	4	59	3036
All India	62760	2583	1554	7112	1268	450	886	76613

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	75.00	0.00	0.00	15.00	5.00	5.00	0.00	100.00
Andhra Pradesh	75.10	7.38	2.53	11.65	1.29	1.26	0.78	100.00
Arunachal Pradesh	74.79	19.33	4.20	0.00	0.00	0.84	0.84	100.00
Assam	79.26	7.02	2.71	2.28	4.37	3.82	0.55	100.00
Bihar	73.06	13.92	1.71	7.71	2.39	0.89	0.34	100.00
Chandigarh	89.38	0.00	4.42	4.42	0.88	0.00	0.88	100.00
Chattishgarh	87.46	3.20	1.51	5.75	1.41	0.47	0.19	100.00
D&N Haveli	82.64	0.00	0.83	13.52	1.67	0.50	0.83	100.00
Daman & Diu	79.85	0.56	0.94	15.82	2.26	0.19	0.38	100.00
Delhi	81.57	2.50	1.25	13.07	0.14	0.07	1.39	100.00
Goa	89.53	4.96	0.55	3.86	0.55	0.00	0.55	100.00
Gujarat	82.26	0.62	1.24	12.54	1.42	0.23	1.69	100.00
Haryana	85.17	1.50	0.28	10.12	1.44	1.06	0.44	100.00
Himachal Pradesh	83.43	1.63	0.91	6.71	5.79	0.30	1.22	100.00
Jammu & Kashmir	85.16	3.66	5.49	4.07	0.41	0.81	0.41	100.00
Jharkhand	76.93	4.44	3.92	9.95	2.33	1.59	0.85	100.00
Karnataka	86.27	1.46	0.91	8.41	0.55	0.57	1.82	100.00
Kerala	81.94	8.58	0.76	5.25	0.87	0.64	1.96	100.00
Madhya Pradesh	86.74	2.58	1.56	4.88	1.85	0.68	1.71	100.00
Maharashtra	82.61	1.36	0.72	11.59	1.53	0.55	1.65	100.00
Manipur	82.04	4.37	5.34	0.97	0.00	7.28	0.00	100.00
Meghalaya	83.45	1.38	4.83	2.07	7.59	0.69	0.00	100.00
Nagaland	89.84	6.42	2.14	1.07	0.53	0.00	0.00	100.00
Odisha	77.82	5.61	4.33	6.80	1.36	1.19	2.89	100.00
Puducherry	89.66	4.31	0.00	5.75	0.00	0.00	0.29	100.00
Punjab	85.27	0.89	1.13	9.35	2.54	0.21	0.62	100.00
Rajasthan	87.40	1.80	2.09	4.28	1.60	0.98	1.86	100.00
Sikkim	91.46	2.44	1.22	4.88	0.00	0.00	0.00	100.00
Tamilnadu	84.18	4.74	0.47	7.98	1.49	0.24	0.89	100.00
Telangana	61.08	3.58	18.18	16.58	0.00	0.32	0.26	100.00
Tripura	61.35	31.74	5.92	0.82	0.16	0.00	0.00	100.00
Uttar Pradesh	81.94	1.44	0.97	12.55	1.96	0.43	0.70	100.00
Uttrakhand	88.46	0.78	0.55	6.47	2.89	0.47	0.39	100.00
West Bengal	83.43	2.31	1.68	5.93	4.58	0.13	1.94	100.00
All India	81.92	3.37	2.03	9.28	1.66	0.59	1.16	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	14	0	0	1	0	0	3	18
Andhra Pradesh	11271	1502	509	10	1	15	2988	16296
Arunachal Pradesh	89	23	5	0	0	0	0	117
Assam	3642	498	152	5	2	1	239	4538
Bihar	1986	807	81	3	0	3	580	3461
Chandigarh	185	0	15	1	0	3	30	233
Chattishgarh	2802	98	64	11	0	1	376	3352
D&N Haveli	917	0	20	3	0	5	411	1355
Daman & Diu	1180	11	29	6	0	10	509	1745
Delhi	2303	86	73	5	0	13	952	3432
Goa	605	39	11	4	0	8	49	715
Gujarat	19956	185	340	35	0	61	6009	26586
Haryana	6844	189	50	43	0	10	1755	8891
Himachal Pradesh	2124	74	38	12	0	8	416	2671
Jammu & Kashmir	797	52	82	0	0	2	86	1019
Jharkhand	2012	197	154	2	0	1	500	2866
Karnataka	10227	321	144	28	0	68	2731	13518
Kerala	5832	788	112	3	0	113	801	7649
Madhya Pradesh	3909	89	58	10	1	32	434	4533
Maharashtra	19306	429	239	51	7	119	6242	26393
Manipur	168	9	11	0	0	1	2	191
Meghalaya	119	2	7	1	0	1	3	133
Nagaland	168	12	4	0	0	0	2	186
Odisha	2279	194	187	3	0	6	396	3066
Puducherry	551	32	0	0	0	4	94	681
Punjab	10430	138	151	33	0	16	1959	12726
Rajasthan	7728	221	341	11	0	74	837	9212
Sikkim	74	2	1	0	0	1	4	82
Tamilnadu	28564	3011	327	61	2	49	5773	37787
Telangana	7660	625	3687	0	1	14	3276	15263
Tripura	373	193	36	0	0	0	5	607
Uttar Pradesh	12347	246	152	53	0	26	3006	15830
Uttrakhand	2478	22	27	27	0	7	437	2998
West Bengal	7747	258	246	36	0	52	1194	9534
All India	176686	10351	7354	458	14	721	42100	237684

* 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	77.78	0.00	0.00	5.56	0.00	0.00	16.67	100.00
Andhra Pradesh	69.16	9.22	3.12	0.06	0.01	0.09	18.34	100.00
Arunachal Pradesh	76.07	19.66	4.27	0.00	0.00	0.00	0.00	100.00
Assam	80.26	10.97	3.35	0.11	0.04	0.02	5.27	100.00
Bihar	57.38	23.32	2.34	0.09	0.00	0.09	16.76	100.00
Chandigarh	79.40	0.00	6.44	0.43	0.00	1.29	12.88	100.00
Chattishgarh	83.59	2.92	1.91	0.33	0.00	0.03	11.22	100.00
D&N Haveli	67.68	0.00	1.48	0.22	0.00	0.37	30.33	100.00
Daman & Diu	67.62	0.63	1.66	0.34	0.00	0.57	29.17	100.00
Delhi	67.10	2.51	2.13	0.15	0.00	0.38	27.74	100.00
Goa	84.62	5.45	1.54	0.56	0.00	1.12	6.85	100.00
Gujarat	75.06	0.70	1.28	0.13	0.00	0.23	22.60	100.00
Haryana	76.98	2.13	0.56	0.48	0.00	0.11	19.74	100.00
Himachal Pradesh	79.52	2.77	1.42	0.45	0.00	0.30	15.57	100.00
Jammu & Kashmir	78.21	5.10	8.05	0.00	0.00	0.20	8.44	100.00
Jharkhand	70.20	6.87	5.37	0.07	0.00	0.03	17.45	100.00
Karnataka	75.65	2.37	1.07	0.21	0.00	0.50	20.20	100.00
Kerala	76.25	10.30	1.46	0.04	0.00	1.48	10.47	100.00
Madhya Pradesh	86.23	1.96	1.28	0.22	0.02	0.71	9.57	100.00
Maharashtra	73.15	1.63	0.91	0.19	0.03	0.45	23.65	100.00
Manipur	87.96	4.71	5.76	0.00	0.00	0.52	1.05	100.00
Meghalaya	89.47	1.50	5.26	0.75	0.00	0.75	2.26	100.00
Nagaland	90.32	6.45	2.15	0.00	0.00	0.00	1.08	100.00
Odisha	74.33	6.33	6.10	0.10	0.00	0.20	12.92	100.00
Puducherry	80.91	4.70	0.00	0.00	0.00	0.59	13.80	100.00
Punjab	81.96	1.08	1.19	0.26	0.00	0.13	15.39	100.00
Rajasthan	83.89	2.40	3.70	0.12	0.00	0.80	9.09	100.00
Sikkim	90.24	2.44	1.22	0.00	0.00	1.22	4.88	100.00
Tamilnadu	75.59	7.97	0.87	0.16	0.01	0.13	15.28	100.00
Telangana	50.19	4.09	24.16	0.00	0.01	0.09	21.46	100.00
Tripura	61.45	31.80	5.93	0.00	0.00	0.00	0.82	100.00
Uttar Pradesh	78.00	1.55	0.96	0.33	0.00	0.16	18.99	100.00
Uttrakhand	82.66	0.73	0.90	0.90	0.00	0.23	14.58	100.00
West Bengal	81.26	2.71	2.58	0.38	0.00	0.55	12.52	100.00
All India	74.34	4.35	3.09	0.19	0.01	0.30	17.71	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	14	0	0	1	0	0	15
Andhra Pradesh	11271	1502	509	10	1	15	13308
Arunachal Pradesh	89	23	5	0	0	0	117
Assam	3642	498	152	5	2	1	4300
Bihar	1986	807	81	3	0	3	2880
Chandigarh	185	0	15	1	0	3	204
Chattishgarh	2802	98	64	11	0	1	2976
D&N Haveli	917	0	20	3	0	5	945
Daman & Diu	1180	11	29	6	0	10	1236
Delhi	2303	86	73	5	0	13	2480
Goa	605	39	11	4	0	8	667
Gujarat	19956	185	340	35	0	61	20577
Haryana	6844	189	50	43	0	10	7136
Himachal Pradesh	2124	74	38	12	0	8	2256
Jammu & Kashmir	797	52	82	0	0	2	933
Jharkhand	2012	197	154	2	0	1	2366
Karnataka	10227	321	144	28	0	68	10788
Kerala	5832	788	112	3	0	113	6848
Madhya Pradesh	3909	89	58	10	1	32	4099
Maharashtra	19306	429	239	51	7	119	20151
Manipur	168	9	11	0	0	1	189
Meghalaya	119	2	7	1	0	1	130
Nagaland	168	12	4	0	0	0	184
Odisha	2279	194	187	3	0	6	2669
Puducherry	551	32	0	0	0	4	587
Punjab	10430	138	151	33	0	16	10768
Rajasthan	7728	221	341	11	0	74	8375
Sikkim	74	2	1	0	0	1	78
Tamilnadu	28564	3011	327	61	2	49	32014
Telangana	7660	625	3687	0	1	14	11987
Tripura	373	193	36	0	0	0	602
Uttar Pradesh	12347	246	152	53	0	26	12824
Uttrakhand	2478	22	27	27	0	7	2561
West Bengal	7747	258	246	36	0	52	8339
All India	176686	10351	7354	458	14	721	195584

* 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 imputed from Previous Year			
	1	2	3	5*	7*	8*	
A&N Islands	93.33	0.00	0.00	6.67	0.00	0.00	100.00
Andhra Pradesh	84.69	11.29	3.82	0.08	0.01	0.11	100.00
Arunachal Pradesh	76.07	19.66	4.27	0.00	0.00	0.00	100.00
Assam	84.70	11.58	3.53	0.12	0.05	0.02	100.00
Bihar	68.96	28.02	2.81	0.10	0.00	0.10	100.00
Chandigarh	90.69	0.00	7.35	0.49	0.00	1.47	100.00
Chattishgarh	94.15	3.29	2.15	0.37	0.00	0.03	100.00
D&N Haveli	97.04	0.00	2.12	0.32	0.00	0.53	100.00
Daman & Diu	95.47	0.89	2.35	0.49	0.00	0.81	100.00
Delhi	92.86	3.47	2.94	0.20	0.00	0.52	100.00
Goa	90.70	5.85	1.65	0.60	0.00	1.20	100.00
Gujarat	96.98	0.90	1.65	0.17	0.00	0.30	100.00
Haryana	95.91	2.65	0.70	0.60	0.00	0.14	100.00
Himachal Pradesh	94.15	3.28	1.68	0.53	0.00	0.35	100.00
Jammu & Kashmir	85.42	5.57	8.79	0.00	0.00	0.21	100.00
Jharkhand	85.04	8.33	6.51	0.08	0.00	0.04	100.00
Karnataka	94.80	2.98	1.33	0.26	0.00	0.63	100.00
Kerala	85.16	11.51	1.64	0.04	0.00	1.65	100.00
Madhya Pradesh	95.36	2.17	1.41	0.24	0.02	0.78	100.00
Maharashtra	95.81	2.13	1.19	0.25	0.03	0.59	100.00
Manipur	88.89	4.76	5.82	0.00	0.00	0.53	100.00
Meghalaya	91.54	1.54	5.38	0.77	0.00	0.77	100.00
Nagaland	91.30	6.52	2.17	0.00	0.00	0.00	100.00
Odisha	85.39	7.27	7.01	0.11	0.00	0.22	100.00
Puducherry	93.87	5.45	0.00	0.00	0.00	0.68	100.00
Punjab	96.86	1.28	1.40	0.31	0.00	0.15	100.00
Rajasthan	92.27	2.64	4.07	0.13	0.00	0.88	100.00
Sikkim	94.87	2.56	1.28	0.00	0.00	1.28	100.00
Tamilnadu	89.22	9.41	1.02	0.19	0.01	0.15	100.00
Telengana	63.90	5.21	30.76	0.00	0.01	0.12	100.00
Tripura	61.96	32.06	5.98	0.00	0.00	0.00	100.00
Uttar Pradesh	96.28	1.92	1.19	0.41	0.00	0.20	100.00
Uttrakhand	96.76	0.86	1.05	1.05	0.00	0.27	100.00
West Bengal	92.90	3.09	2.95	0.43	0.00	0.62	100.00
All India	90.34	5.29	3.76	0.23	0.01	0.37	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 all-India level for the year 2017-18 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 2017-18, there have been 1,95,584 registered operating factories in all States and Union Territories except the State of Mizoram and Union Territory of Lakshadweep. This is found to be higher by 0.62 percent than that of last year. These factories together have a total stock of fixed capital worth ₹32,85,88,927 Lakhs and invested capital ₹44,60,94,480 Lakhs. These are higher by 2.99 and 3.83 percent, respectively compared to those estimated in ASI 2016-17. These factories have provided gainful employment to 1,56,14,619 persons showing an increase of 4.72 percent with respect to the preceding year and distributed ₹4,18,35,716 Lakhs as emoluments to employees, showing an increase of 11.51 percent in one year. Those factories have consumed inputs both industrial and non-industrial in nature, worth ₹66,05,20,215 Lakhs to produce ₹80,72,17,258 Lakhs, worth of goods and services valued at ex-factory prices and contributed ₹12,29,67,418 Lakhs by way of net value added through manufacturing to the national income. The input and output have shown growth of 12% and 11.10% respectively, the net value added grew by 7.31% in ASI 2017-18 as compared to those estimated as per 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 that 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, net value added by manufacture have maintained a steady upward trend over years. As stated in the preceding paragraph, the increase in the value-based characteristics may be the combined result of the increase in physical output as well as increase in prices. The survey results revealed that in 2017-18, a factory with an average investment of ₹1,680 Lakhs in fixed capital have provided gainful employment to 80 persons, produced goods and services at ex-factory prices worth ₹4,127 Lakhs and contributed ₹629 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 2017-18 has, on an average, produced an output of ₹ 5,169,625 and contributed ₹ 7,87,515 to the national income by way of net value added through manufacturing. The corresponding averages in the preceding year are respectively ₹ 48,72,525 and ₹ 7,68,496.

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 decreased to 2.67 in 2017-18 as compared to the previous year. The fixed capital required to produce one unit of ex-factory output has also decreased to 0.41. The level of efficiency, measured by the ratio of the net value added to gross output has remain at 0.15. The GVA to fixed capital ratio has increased to 0.45 from 0.43, whereas the output to input ratio has decreased to 1.22.

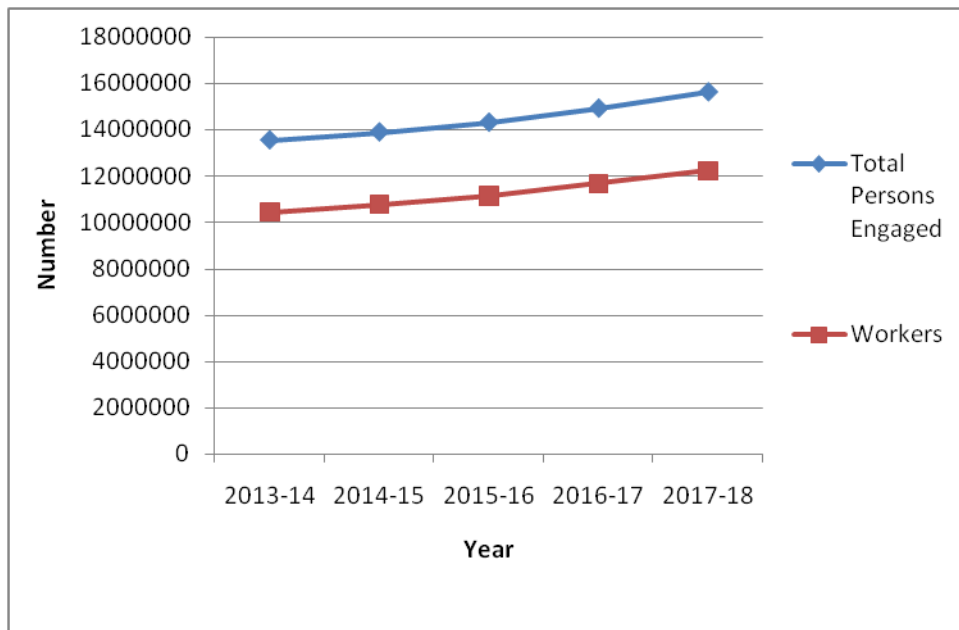
Figure 1: Number of Workers and Total Persons Engaged: All-India

Figure 1 shows the number of workers and total persons engaged for last five years i.e. 2013-14 to 2017-18. The above figure is showing an upward trend for both workers and total persons engaged in the last five years. Moreover, the total persons engaged are 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.

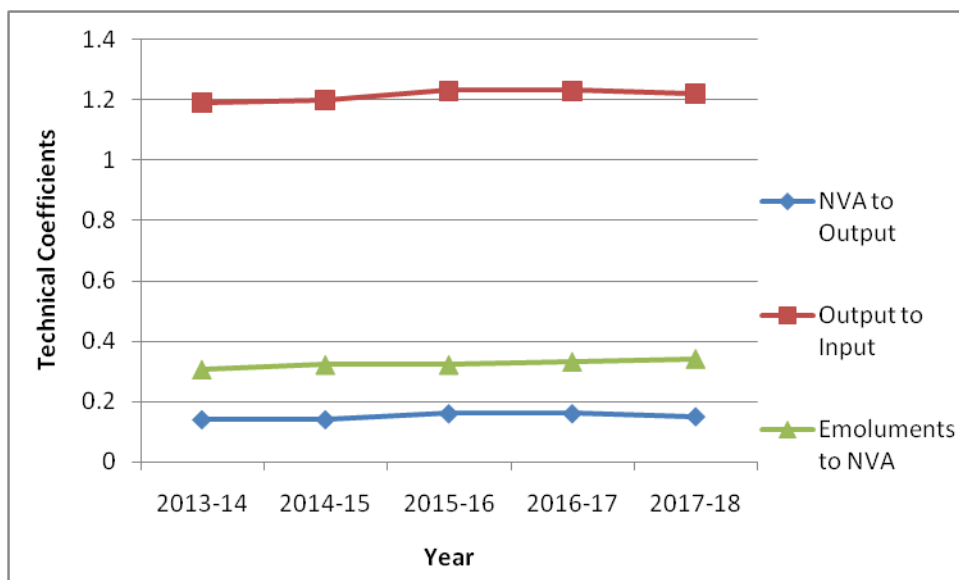
Figure 2: Technical coefficients: All –India

Figure 2 presents some technical coefficients for last five years i.e. 2013-14 to 2017-18. 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 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

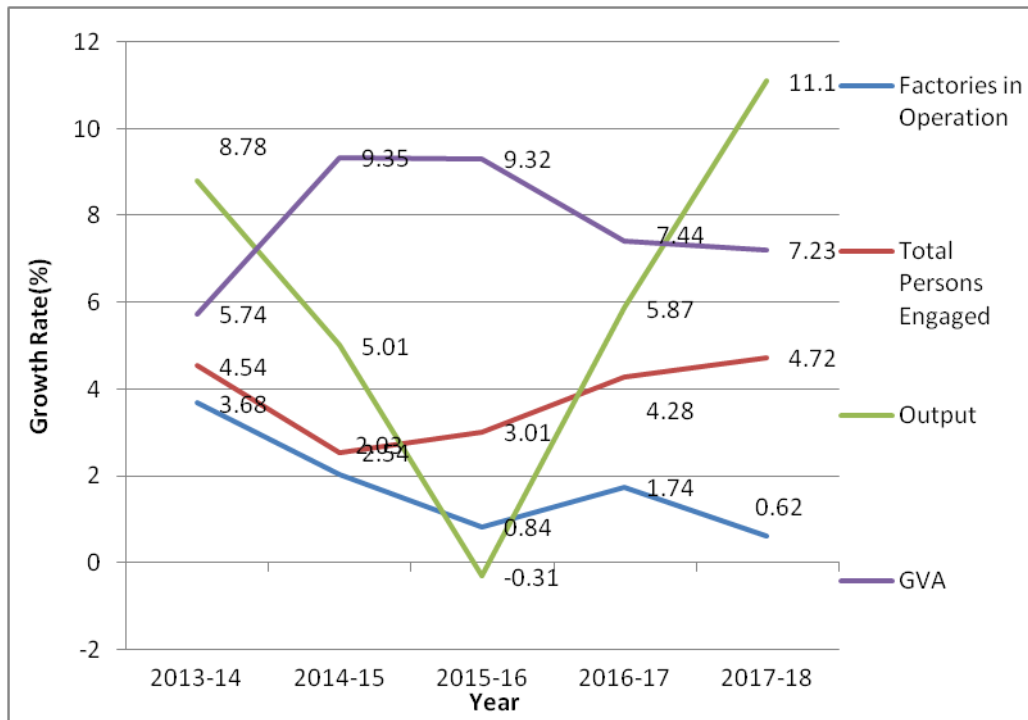


Figure 3 depicts the annual growth rates for Factories in Operation, Total Persons Engaged, Output and GVA for the last five years. The growth rate in respect of Total Persons Engaged and Output have increased in 2017-18 as compared to last year in the organized factory sector. However, decrease in growth rate is observed in case of number of operating factories and GVA in 2017-18.

Statement 3A: Value of Principal Characteristics

Characteristics	Unit	ASI Year				
		2013-14	2014-15	2015-16	2016-17	2017-18
Factories in Operation	Number	185690	189468	191062	194380	195584
Fixed Capital	₹ Lakhs	237371903	247445461	280964722	319038649	328588927
Invested Capital	₹ Lakhs	338455535	351396431	385309984	429625490	446094480
Workers	Number	10444404	10755288	11136133	11662947	12224422
Total Persons Engaged	Number	13538114	13881386	14299710	14911189	15614619
Wages to Worker	₹ Lakhs	12649644	14048488	15600116	17353716	19280066
Total Emoluments	₹ Lakhs	27241503	30741306	33975074	37516385	41835716
Input	₹ Lakhs	549013952	571910956	558907407	589746374	660520215
Output	₹ Lakhs	655525116	688381205	686235375	726551423	807217258
GVA	₹ Lakhs	106511163	116470249	127327968	136805049	146697043
Depreciation	₹ Lakhs	16976977	18954077	20079459	22213138	23729624
NVA	₹ Lakhs	89534187	97516172	107248509	114591911	122967418
Rent Paid for Fixed Assets	₹ Lakhs	1527272	1709361	1774760	1964321	2147363
Interest Paid	₹ Lakhs	15485061	17286008	18213736	18940173	18768379
Income	₹ Lakhs	75152048	81228119	90165276	97221421	105078789
Profit	₹ Lakhs	43956552	46028299	51319338	53935285	57624246

Statement 3B: Observed Growth Rate

Characteristics	Percentage Growth			
	2014-15	2015-16	2016-17	2017-18
	over 2013-14	over 2014-15	over 2015-16	over 2016-17
Factories in Operation	2.03	0.84	1.74	0.62
Fixed Capital	4.24	13.55	13.55	2.99
Invested Capital	3.82	9.65	11.50	3.83
Workers	2.98	3.54	4.73	4.81
Total Persons Engaged	2.54	3.01	4.28	4.72
Wages to Worker	11.06	11.04	11.24	11.10
Total Emoluments	12.85	10.52	10.42	11.51
Input	4.17	-2.27	5.52	12.00
Output	5.01	-0.31	5.87	11.10
GVA	9.35	9.32	7.44	7.23
Depreciation	11.65	5.94	10.63	6.83
NVA	8.92	9.98	6.85	7.31
Rent Paid for Fixed Assets	11.92	3.83	10.68	9.32
Interest Paid	11.63	5.37	3.99	-0.91
Income	8.09	11.00	7.83	8.08
Profit	4.71	11.50	5.10	6.84

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

Structural Ratios	Unit	2013-14	2014-15	2015-16	2016-17	2017-18
Fixed Capital per Factory in Operation	₹ Lakhs	1278	1306	1471	1641	1680
Total Persons Engaged per Factory in Operation	Number	73	73	75	77	80
Workers per Factory in Operation	Number	56	57	58	60	63
Gross Output per Factory in Operation	₹ Lakhs	3530	3633	3592	3738	4127
Net Value Added per Factory in Operation	₹ Lakhs	482	515	561	590	629
Output per Person Engaged	₹	4842071	4959024	4798946	4872525	5169625
Gross Value Added per Person Engaged	₹	786750	839039	890423	917466	939485
Net Value Added per Person Engaged	₹	661349	702496	750005	768496	787515
Wages per Worker	₹	121114	130619	140086	148794	157718

Technical Coefficients						
Fixed Capital to Net Value Added		2.65	2.54	2.62	2.78	2.67
Fixed Capital to Output		0.36	0.36	0.41	0.44	0.41
Net Value Added to Output		0.14	0.14	0.16	0.16	0.15
Gross Value Added to Fixed Capital		0.45	0.47	0.45	0.43	0.45
Output to Input		1.19	1.20	1.23	1.23	1.22
Profit to Output		0.07	0.07	0.07	0.07	0.07
Contract Workers to Total Workers		0.34	0.35	0.36	0.36	0.36

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

4.1 Principal Characteristics

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

4.1.2 Out of 28 industries in terms of National Industrial Classification (NIC)-2008 2-digit codes under the coverage of the survey, major five employment providing industries were Food Products (11.35%), Textiles (10.75%), Wearing Apparel (7.62%), Other Non-Metallic Mineral Products (6.98%) and Basic Metals (6.61%). Figures within the bracket denote the percentage share in total number of persons engaged by the industry. Thus, above five industries engaged about 43% of the total manpower in the factory sector. Figure 4 shows 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 Coke and Refined Petroleum Products, Basic Metals, Chemicals and Chemical Products, Food Products, Motor Vehicles ,Trailers & Semi-Trailers and Pharmaceuticals, Medicinal Chemical & Botanical Products. They contributed a total of 52.24% of aggregate GVA with individual shares of 10.85%, 9.92%, 9.83%, 7.58%, 7.10% and 6.97% respectively. The above six industries also accounted for 58.89% of aggregate fixed capital. Figure 5 shows 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 Operation (₹Lakhs)	160 (NIC 01 - COTTON GINNING, CLEANING AND BAILING (01632); SEED PROCESSING FOR PROPAGATION (01640))	31,892 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	1,680
Gross Output per Factory Operation (₹Lakhs)	559 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	70,963 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	4,127
Net Value Added per Factory in Operation (₹Lakhs)	92 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	10,546 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	629
Workers per Factory Operation (Number)	19 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	156 (NIC12:TOBACCO PRODUCTS)	63
Total Persons Engaged per Factory Operation (Number)	25 (NIC 16 - WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS)	191 (NIC29: MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS)	80
Net Value Added per Person Engaged (₹)	2,72,242 (NIC 14- WEARING APPAREL)	97,08,638 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	7,87,515
Wages per Worker (₹)	47,240 (NIC12:TOBACCO PRODUCTS)	3,42,950 (NIC 19 - COKE AND REFINED PETROLEUM PRODUCTS)	1,57,718

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

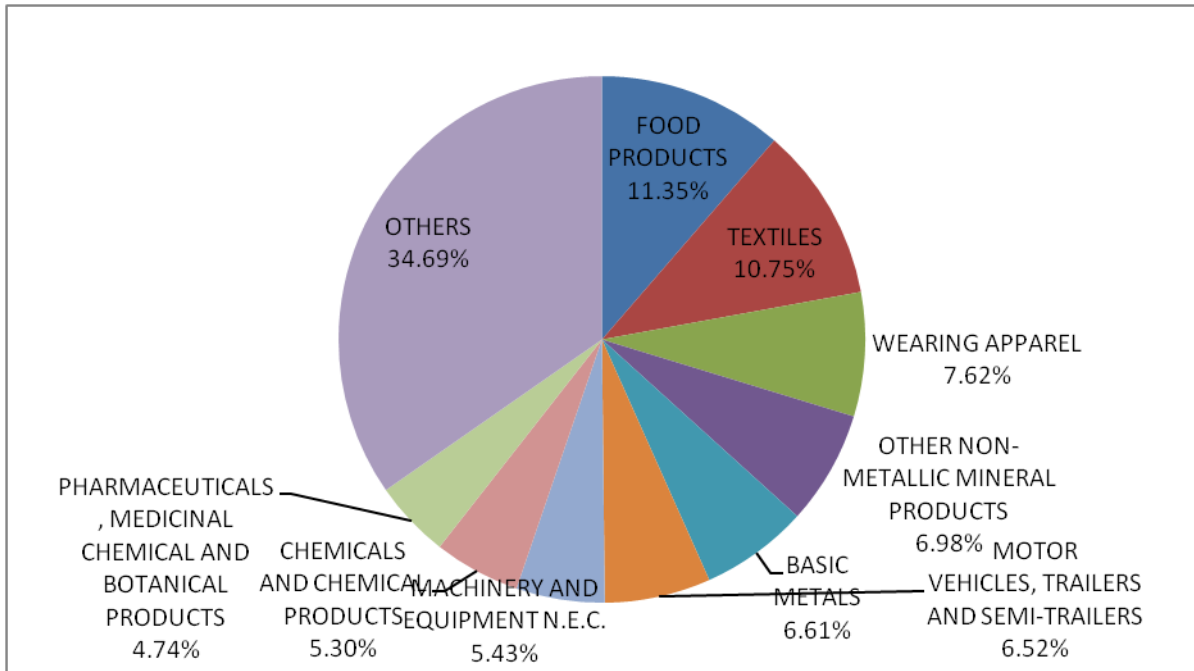
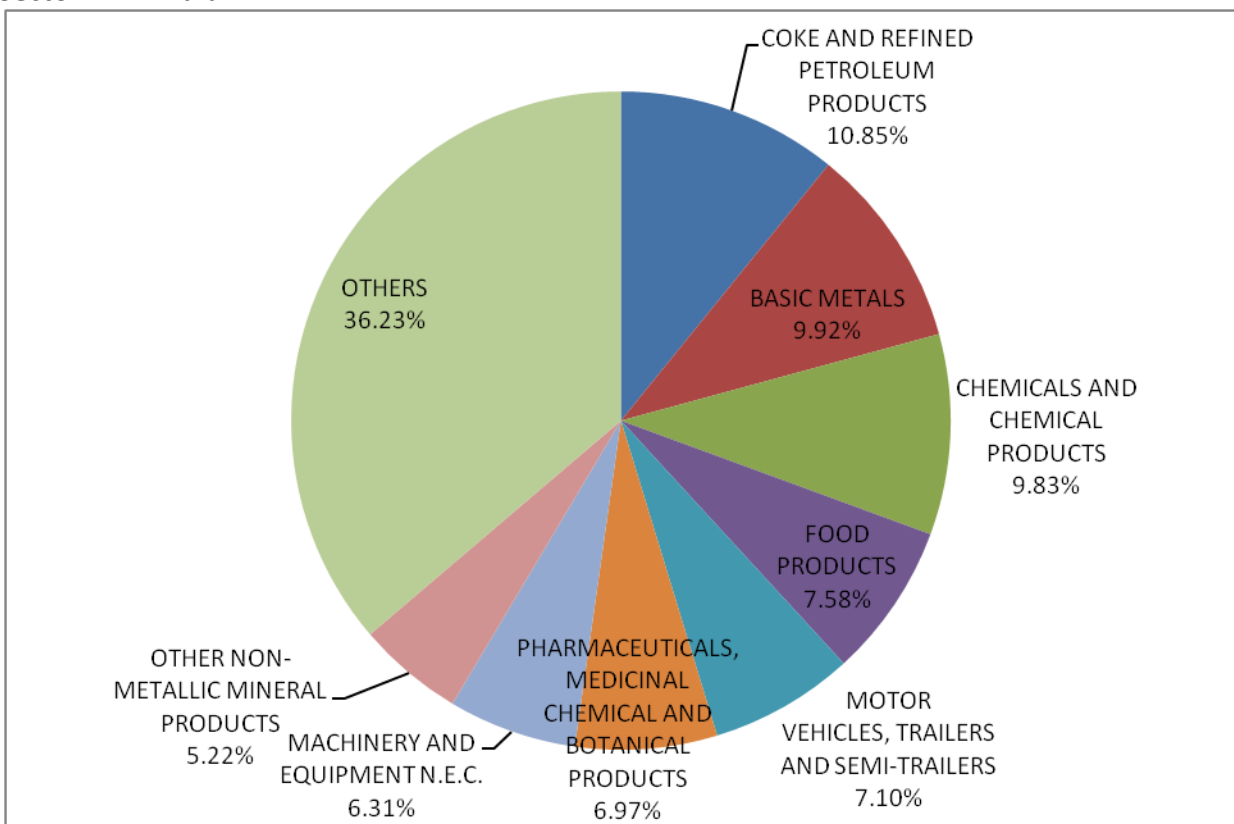


Figure 5: Percentage Share of Major Industries in Aggregate GVA by the Factory Sector: All –India



**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
19	COKE AND REFINED PETROLEUM PRODUCTS	1352	43117758	-4070515	53363402	35892478	146866	80031005	95941671	15910666	14258689	10.85
24	BASIC METALS	9576	67402696	-1595767	83216068	64508090	1032613	90113743	104670455	14556713	11072814	9.92
20	CHEMICALS AND CHEMICAL PRODUCTS	10715	31881915	7758529	40300727	33171040	828315	51733604	66149864	14416261	12405946	9.83
10	FOOD PRODUCTS	32467	21119573	9069500	40423091	16636325	1772399	99866767	110989863	11123096	9387541	7.58
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	5334	18025118	4629251	24028592	19407000	1017614	51838859	62250066	10411207	7957894	7.10
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL	4354	11967765	8050095	17942789	9424881	740251	18283189	28501422	10218233	9129166	6.97
28	MACHINERY AND EQUIPMENT N.E.C.	10526	8819506	6935454	15666725	7329782	848502	27461654	36717299	9255645	8261751	6.31
23	OTHER NON-METALLIC MINERAL PRODUCTS	24041	19201089	2963309	23915675	18844627	1090629	20327012	27987791	7660779	6104750	5.22
	OTHER INDUSTRIES	10294	41937758	-1532794	44418879	40867750	483628	22771916	30180920	7409004	5127977	5.05
13	TEXTILES	13879	16669310	1451542	23606558	18030655	1678671	34776772	41912041	7135269	5594451	4.86
22	RUBBER AND PLASTICS PRODUCTS	11139	9592356	5290304	13528794	9679285	713214	22554366	27928238	5373872	4326804	3.66
27	ELECTRICAL EQUIPMENT	6221	5852720	5202812	10804203	4894756	598477	25375413	30738609	5363196	4743665	3.66
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND	13400	5664385	4049795	9551861	4672318	691567	16765608	21146384	4380776	3784719	2.99
30	OTHER TRANSPORT EQUIPMENT	1955	5014706	1261956	6685252	4290594	347825	15751851	19656447	3904595	3431632	2.66
14	WEARING APPAREL	7667	2857883	1950134	5598191	1423213	1189520	9689121	13199683	3510562	3238377	2.39
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1836	2321003	3950699	5068931	2464425	231454	16711051	19946156	3235105	2944993	2.21
32	OTHER MANUFACTURING	2817	1636532	3257097	4814521	1340154	404616	18154576	20534166	2379590	2186125	1.62
17	PAPER AND PAPER PRODUCTS	5748	5859566	815534	7519709	5776882	284057	9172796	11338867	2166070	1728626	1.48
11	BEVERAGES	2093	3386731	549783	4470717	3053151	161065	5714581	7656224	1941643	1627401	1.32
12	TOBACCO PRODUCTS	2834	608951	455175	1346611	526486	461335	2671391	4381051	1709660	1639754	1.17
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	3520	1648943	97021	2115894	1750528	159164	2907847	4168079	1260232	1050897	0.86
15	LEATHER AND RELATED PRODUCTS	3854	1123972	868499	2220371	690034	387134	4308903	5531381	1222478	1091491	0.83
01	COTTON GINNING, CLEANING AND BAILING (01632) ;	2957	473207	1298979	1643268	184609	79471	7351142	7818781	467640	418527	0.32
	SEED PROCESSING FOR PROPAGATION (01640)											
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT	3986	688936	432904	1194258	473134	98674	1800687	2229374	428687	368650	0.29
	FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS											
31	FURNITURE	1597	516642	974845	944622	255194	81465	1717257	2122355	405098	356103	0.28
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	565	404086	216692	512280	143016	30081	754668	1124160	369493	327725	0.25
58	PUBLISHING ACTIVITIES	251	294580	-110686	354190	353331	25328	427770	695230	267460	232969	0.18
38	WASTE COLLECTION, TREATMENT AND DISPOSAL ACTIVITIES;	468	442647	145594	751833	384464	19920	1434843	1606641	171798	132618	0.12
	MATERIALS RECOVERY											
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER	136	58595	46146	86469	51156	10766	51823	94040	42216	35364	0.03
	SALINE WATERS (08932)											
	ALL INDUSTRIES	195584	328588927	64411890	446094480	306519357	15614619	660520215	807217258	146697043	122967418	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
19	COKE AND REFINED PETROLEUM PRODUCTS	0.69	13.12	-6.32	11.96	11.71	0.94	12.12	11.89	10.85	11.60
24	BASIC METALS	4.90	20.51	-2.48	18.65	21.05	6.61	13.64	12.97	9.92	9.00
20	CHEMICALS AND CHEMICAL PRODUCTS	5.48	9.70	12.05	9.03	10.82	5.30	7.83	8.19	9.83	10.09
10	FOOD PRODUCTS	16.60	6.43	14.08	9.06	5.43	11.35	15.12	13.75	7.58	7.63
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2.73	5.49	7.19	5.39	6.33	6.52	7.85	7.71	7.10	6.47
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2.23	3.64	12.50	4.02	3.07	4.74	2.77	3.53	6.97	7.42
28	MACHINERY AND EQUIPMENT N.E.C.	5.38	2.68	10.77	3.51	2.39	5.43	4.16	4.55	6.31	6.72
23	OTHER NON-METALLIC MINERAL PRODUCTS	12.29	5.84	4.60	5.36	6.15	6.98	3.08	3.47	5.22	4.96
	OTHER INDUSTRIES	5.26	12.76	-2.38	9.96	13.33	3.10	3.45	3.74	5.05	4.17
13	TEXTILES	7.10	5.07	2.25	5.29	5.88	10.75	5.27	5.19	4.86	4.55
22	RUBBER AND PLASTICS PRODUCTS	5.70	2.92	8.21	3.03	3.16	4.57	3.41	3.46	3.66	3.52
27	ELECTRICAL EQUIPMENT	3.18	1.78	8.08	2.42	1.60	3.83	3.84	3.81	3.66	3.86
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	6.85	1.72	6.29	2.14	1.52	4.43	2.54	2.62	2.99	3.08
30	OTHER TRANSPORT EQUIPMENT	1.00	1.53	1.96	1.50	1.40	2.23	2.38	2.44	2.66	2.79
14	WEARING APPAREL	3.92	0.87	3.03	1.25	0.46	7.62	1.47	1.64	2.39	2.63
26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	0.94	0.71	6.13	1.14	0.80	1.48	2.53	2.47	2.21	2.39
32	OTHER MANUFACTURING	1.44	0.50	5.06	1.08	0.44	2.59	2.75	2.54	1.62	1.78
17	PAPER AND PAPER PRODUCTS	2.94	1.78	1.27	1.69	1.88	1.82	1.39	1.40	1.48	1.41
11	BEVERAGES	1.07	1.03	0.85	1.00	1.00	1.03	0.87	0.95	1.32	1.32
12	TOBACCO PRODUCTS	1.45	0.19	0.71	0.30	0.17	2.95	0.40	0.54	1.17	1.33
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	1.80	0.50	0.15	0.47	0.57	1.02	0.44	0.52	0.86	0.85
15	LEATHER AND RELATED PRODUCTS	1.97	0.34	1.35	0.50	0.23	2.48	0.65	0.69	0.83	0.89
01	COTTON GINNING,CLEANING AND BAILING (01632) ; SEED PROCESSING FOR PROPAGATION (01640)	1.51	0.14	2.02	0.37	0.06	0.51	1.11	0.97	0.32	0.34
16	WOOD AND PRODUCTS OF WOOD AND CORK,EXCEPT FURNITURE; ARTICLES OF	2.04	0.21	0.67	0.27	0.15	0.63	0.27	0.28	0.29	0.30
31	FURNITURE	0.82	0.16	1.51	0.21	0.08	0.52	0.26	0.26	0.28	0.29
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	0.29	0.12	0.34	0.11	0.05	0.19	0.11	0.14	0.25	0.27
58	PUBLISHING ACTIVITIES	0.13	0.09	-0.17	0.08	0.12	0.16	0.06	0.09	0.18	0.19
38	WASTE COLLECTION,TREATMENT AND DISPOSAL ACTIVITIES; MATERIALS RECOVERY	0.24	0.13	0.23	0.17	0.13	0.13	0.22	0.20	0.12	0.11
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	0.07	0.02	0.07	0.02	0.02	0.07	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)	160	27	21	2644	142	9838534	588441	526641	93844
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	431	79	71	691	260	873491	392123	328479	96036
10	FOOD PRODUCTS	650	55	42	3419	289	6262126	627573	529652	125372
11	BEVERAGES	1618	77	60	3658	778	4753500	1205503	1010400	155183
12	TOBACCO PRODUCTS	215	163	156	1546	579	949646	370590	355437	47240
13	TEXTILES	1201	121	103	3020	403	2496739	425055	333267	133634
14	WEARING APPAREL	373	155	134	1722	422	1109665	295124	272242	125371
15	LEATHER AND RELATED PRODUCTS	292	100	85	1435	283	1428803	315776	281941	120480
16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	173	25	19	559	92	2259333	434448	373604	113004
17	PAPER AND PAPER PRODUCTS	1019	49	39	1973	301	3991758	762548	608549	150782
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	468	45	30	1184	299	2618732	791782	660260	166587
19	COKE AND REFINED PETROLEUM PRODUCTS	31892	109	84	70963	10546	65325992	10833458	9708638	342950
20	CHEMICALS AND CHEMICAL PRODUCTS	2975	77	57	6174	1158	7986076	1740432	1497733	185968
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2749	170	104	6546	2097	3850238	1380374	1233253	199875
22	RUBBER AND PLASTICS PRODUCTS	861	64	50	2507	388	3915829	753473	606663	157110
23	OTHER NON-METALLIC MINERAL PRODUCTS	799	45	37	1164	254	2566206	702418	559746	114540
24	BASIC METALS	7039	108	85	10930	1156	10136465	1409697	1072310	236083
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	423	52	40	1578	282	3057749	633456	547267	163728
26	COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS	1264	126	86	10864	1604	8617762	1397731	1272388	192293
27	ELECTRICAL EQUIPMENT	941	96	73	4941	763	5136139	896141	792623	180828
28	MACHINERY AND EQUIPMENT N.E.C.	838	81	57	3488	785	4327308	1090822	973687	199987
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	3379	191	148	11670	1492	6117257	1023100	782015	206875
30	OTHER TRANSPORT EQUIPMENT	2565	178	141	10054	1755	5651246	1122575	986597	188681
31	FURNITURE	324	51	37	1329	223	2605235	497266	437124	158848
32	OTHER MANUFACTURING	581	144	115	7289	776	5074976	588111	540296	160806
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	715	53	40	1990	580	3737110	1228327	1089475	235095
38	WASTE COLLECTION, TREATMENT AND DISPOSAL ACTIVITIES; MATERIALS RECOVERY	946	43	32	3433	283	8065467	862440	665753	138005
58	PUBLISHING ACTIVITIES	1174	101	51	2770	928	2744907	1055985	919808	253499
	OTHER INDUSTRIES	4074	47	32	2932	498	6240524	1531963	1060314	169124
	All India	1680	80	63	4127	629	5169625	939485	787515	157718

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.

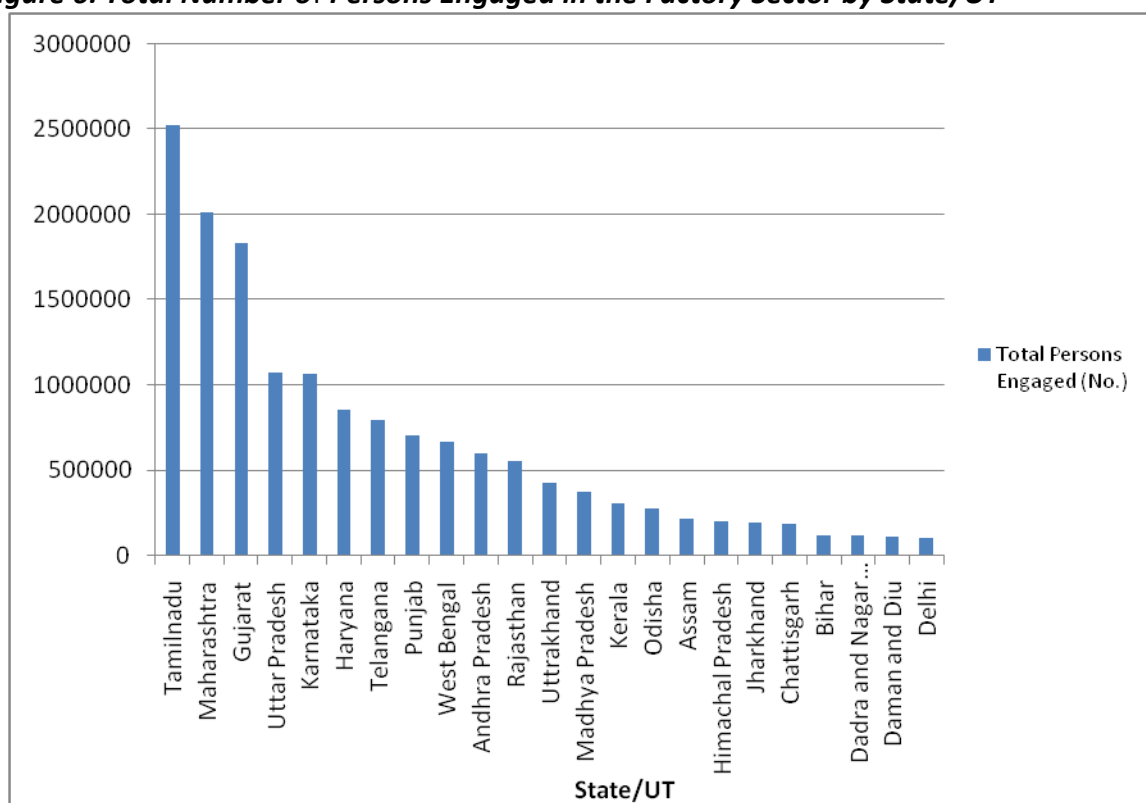
5.1.2 In 2017-18, the number of operating factories is reported highest in Tamilnadu (16.37%) followed by Gujarat (10.52%). Gujarat's share is the highest in respect of aggregates gross value of plant and machinery (20.56%), fixed capital (20.47%), invested capital (19.35%), input (17.25%) and total output (16.85%). Maharashtra occupies the first position by virtue of its contribution to working capital (18.19%), total emoluments (18.01%), gross value added (17.63%) and net value added (18.19%). In terms of contribution to net value added, Maharashtra is followed by Gujarat (14.89%), Tamilnadu (11.14%), Karnataka (7.092%) and Uttar Pradesh (5.92%) in that order.

5.2 Structural Ratios

5.2.1 Statement 9A gives the structural ratios for all the State/UT, considering all the sectors. Whereas, Statement 9B gives the structural ratios for all the State/UT, considering only the selected manufacturing sector. The minimum, maximum and the average value along with the names of the corresponding State/UT 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)	75 (Tripura)	12,699 (Odisha)	1,680
Gross Output per Factory in Operation (₹Lakhs)	223 (Manipur)	23,539 (Sikkim)	4,127
Net Value Added per Factory in Operation (₹Lakhs)	44 (Manipur)	13,642 (Sikkim)	629
Workers per Factory in Operation (Number)	17 (A & N Islands)	193 (Sikkim)	63
Total Persons Engaged per Factory in Operation (Number)	22 (A & N Islands)	252 (Sikkim)	80
Net Value Added per Person Engaged (₹)	98,172 (Manipur)	54,12,813 (Sikkim)	7,87,515
Wages per Worker (₹)	40,730 (Tripura)	2,60,696 (Jharkhand)	1,57,718

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
Maharashtra	20151	35844136	11715241	53725099	36530962	2007794	7534324	94108687	119971795	25863108	22372401	17.63
Gujarat	20577	67266206	4628200	86313999	63016292	1826748	5085110	113920424	135997115	22076691	18304059	15.05
Tamilnadu	32014	27754189	11232301	40448082	25639839	2523483	5752881	69972582	86380870	16408288	13701555	11.19
Karnataka	10787	19018695	5544690	26857251	18996028	1065346	3323933	42675431	52893789	10218358	8721906	6.97
Uttar Pradesh	12824	13845026	3789457	21692859	13711811	1070841	2654962	43032444	51463543	8431099	7285531	5.75
Haryana	7136	11801700	3568034	17973079	10517062	858313	2518243	43118410	50333586	7215176	6007400	4.92
Rajasthan	8375	10937405	3458758	15286579	10570012	556103	1477445	24566286	29745019	5178733	4248614	3.53
Uttarakhand	2561	5842010	1962133	8054019	5636503	426587	963719	18641893	23618613	4976720	4445813	3.39
Madhya Pradesh	4099	15416401	1161398	19274964	14943654	378022	1007889	20824573	25723164	4898592	3991861	3.34
Telangana	11987	8101026	4580255	12123370	7501685	794520	1579695	17523505	22240202	4716697	3948741	3.22
Andhra Pradesh	13308	18444500	1433683	23994086	15945787	597292	1413502	26499187	31121259	4622072	3536269	3.15
West Bengal	8340	11743291	2283569	16923715	11495256	663751	1529343	27391759	31912464	4520706	3715370	3.08
Odisha	2670	33907302	-3533597	37714048	28996778	279496	923326	18895455	22997037	4101582	2698489	2.80
Himachal Pradesh	2255	4534824	1293444	5849113	4650095	205781	624412	7966319	11291885	3325566	2964376	2.27
Punjab	10767	4725230	3455601	8660706	4831720	708232	1287757	18056120	21210410	3154291	2679446	2.15
Jharkhand	2366	10547093	801648	12682788	9533194	192282	754377	11138310	14153289	3014979	2341836	2.06
Kerala	6848	4346595	1944115	6169720	2933433	310326	728747	14173049	16356600	2183550	1887210	1.49
Chattisgarh	2976	11276704	374077	13233410	10017443	185805	601571	10604081	12560528	1956447	1449542	1.33
Dadra and Nagar Haveli	944	3016960	-962031	4033945	2794998	119591	302699	9138745	10831397	1692652	1473519	1.15
Assam	4299	2733666	906161	3660320	2310184	217155	287817	5154627	6732646	1578019	1364876	1.08
Goa	666	1055445	1396634	1840228	1241036	76214	307252	3499376	5044696	1545319	1411722	1.05
Sikkim	78	705218	305055	890869	242196	19659	67252	694393	1836037	1141644	1064105	0.78
Daman and Diu	1236	1149170	1129903	1772332	818691	115040	282751	3470568	4364063	893495	765817	0.61
Bihar	2881	1997672	300904	2642616	1359860	121772	164551	5242202	6002667	760466	640408	0.52
Jammu and Kashmir	933	920266	517852	1361994	823120	73498	137584	2566395	3288427	722033	640797	0.49
Delhi	2480	641472	510172	1303627	342206	102248	293025	4027708	4655142	627434	555781	0.43
Puducherry	587	447633	430444	785802	580783	51816	139324	2508208	3069202	560994	500796	0.38
Meghalaya	130	361974	69964	495077	391006	12689	28240	404219	568899	164679	122400	0.11
Chandigarh	203	103779	59463	162600	70144	9424	35641	415725	486470	70746	61891	0.05
Tripura	602	45161	18337	76863	39346	26632	13734	120572	155929	35358	30480	0.02
Arunachal Pradesh	117	19343	16633	33113	16505	3298	4089	84207	99998	15791	12206	0.01
Nagaland	184	20764	18664	32133	10561	6004	3810	39617	54104	14487	13167	0.01
Manipur	189	15929	2039	22625	4462	8532	6036	31824	42083	10258	8376	0.01
A&N Islands	15	2142	-1309	3449	6707	324	676	13314	14328	1014	659	0.00
All India	195584	328588927	64411890	446094480	306519357	15614619	41835716	660520215	807217258	146697043	122967418	100.00

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

State/UT	No. of Operating Factories	Fixed Capital	Working Capital	Invested Capital	Gross Value of Plant and Machinery	Total Persons Engaged	Total Emoluments	Total Input	Total Output	GVA	NVA
Maharashtra	10.30	10.91	18.19	12.04	11.92	12.86	18.01	14.25	14.86	17.63	18.19
Gujarat	10.52	20.47	7.19	19.35	20.56	11.70	12.15	17.25	16.85	15.05	14.89
Tamilnadu	16.37	8.45	17.44	9.07	8.36	16.16	13.75	10.59	10.70	11.19	11.14
Karnataka	5.52	5.79	8.61	6.02	6.20	6.82	7.95	6.46	6.55	6.97	7.09
Uttar Pradesh	6.56	4.21	5.88	4.86	4.47	6.86	6.35	6.51	6.38	5.75	5.92
Haryana	3.65	3.59	5.54	4.03	3.43	5.50	6.02	6.53	6.24	4.92	4.89
Rajasthan	4.28	3.33	5.37	3.43	3.45	3.56	3.53	3.72	3.68	3.53	3.46
Uttrakhand	1.31	1.78	3.05	1.81	1.84	2.73	2.30	2.82	2.93	3.39	3.62
Madhya Pradesh	2.10	4.69	1.80	4.32	4.88	2.42	2.41	3.15	3.19	3.34	3.25
Telangana	6.13	2.47	7.11	2.72	2.45	5.09	3.78	2.65	2.76	3.22	3.21
Andhra Pradesh	6.80	5.61	2.23	5.38	5.20	3.83	3.38	4.01	3.86	3.15	2.88
West Bengal	4.26	3.57	3.55	3.79	3.75	4.25	3.66	4.15	3.95	3.08	3.02
Odisha	1.37	10.32	-5.49	8.45	9.46	1.79	2.21	2.86	2.85	2.80	2.19
Himachal Pradesh	1.15	1.38	2.01	1.31	1.52	1.32	1.49	1.21	1.40	2.27	2.41
Punjab	5.51	1.44	5.36	1.94	1.58	4.54	3.08	2.73	2.63	2.15	2.18
Jharkhand	1.21	3.21	1.24	2.84	3.11	1.23	1.80	1.69	1.75	2.06	1.90
Kerala	3.50	1.32	3.02	1.38	0.96	1.99	1.74	2.15	2.03	1.49	1.53
Chattisgarh	1.52	3.43	0.58	2.97	3.27	1.19	1.44	1.61	1.56	1.33	1.18
Dadra and Nagar Haveli	0.48	0.92	-1.49	0.90	0.91	0.77	0.72	1.38	1.34	1.15	1.20
Assam	2.20	0.83	1.41	0.82	0.75	1.39	0.69	0.78	0.83	1.08	1.11
Goa	0.34	0.32	2.17	0.41	0.40	0.49	0.73	0.53	0.62	1.05	1.15
Sikkim	0.04	0.21	0.47	0.20	0.08	0.13	0.16	0.11	0.23	0.78	0.87
Daman and Diu	0.63	0.35	1.75	0.40	0.27	0.74	0.68	0.53	0.54	0.61	0.62
Bihar	1.47	0.61	0.47	0.59	0.44	0.78	0.39	0.79	0.74	0.52	0.52
Jammu and Kashmir	0.48	0.28	0.80	0.31	0.27	0.47	0.33	0.39	0.41	0.49	0.52
Delhi	1.27	0.20	0.79	0.29	0.11	0.65	0.70	0.61	0.58	0.43	0.45
Puducherry	0.30	0.14	0.67	0.18	0.19	0.33	0.33	0.38	0.38	0.38	0.41
Meghalaya	0.07	0.11	0.11	0.11	0.13	0.08	0.07	0.06	0.07	0.11	0.10
Chandigarh	0.10	0.03	0.09	0.04	0.02	0.06	0.09	0.06	0.06	0.05	0.05
Tripura	0.31	0.01	0.03	0.02	0.01	0.17	0.03	0.02	0.02	0.02	0.02
Arunachal Pradesh	0.06	0.01	0.03	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01
Nagaland	0.09	0.01	0.03	0.01	0.00	0.04	0.01	0.01	0.01	0.01	0.01
Manipur	0.10	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.01	0.01	0.01
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
Maharashtra	18743	33725938	11461883	51036222	34146555	1931055	7333450	90071336	115220451	25149114	21892462	18.12
Gujarat	19316	62186896	4202812	80693509	57508587	1763435	4929397	106042827	127142172	21099344	17602485	15.20
Tamilnadu	30023	23043310	10930707	35448566	21221511	2459621	5616724	68288125	83795875	15507749	13056145	11.17
Karnataka	9734	17514742	5185750	25099267	17276582	1020888	3211235	41339668	51070798	9731130	8342165	7.01
Uttar Pradesh	11484	11604168	2787497	19246946	11524537	1024057	2551081	41410739	49199033	7788294	6782183	5.61
Haryana	6910	11200446	3485241	17265392	10010335	843051	2479308	42089469	49137584	7048115	5875533	5.08
Rajasthan	8014	8556130	3365331	12787971	8157954	536832	1426270	23697081	28504329	4807248	4014330	3.46
Uttarakhand	2502	4276920	1993766	6464696	4134446	419646	924770	18188182	22878449	4690268	4259546	3.38
Andhra Pradesh	12037	16667004	1735900	22049438	14383027	568222	1367311	25574267	29961226	4386960	3387585	3.16
West Bengal	7774	10614757	2186782	15702658	10354665	643575	1475821	26941415	31141415	4200000	3487015	3.03
Telangana	10893	6703820	4364061	10303117	6152124	748688	1479632	15321422	19500180	4178757	3515651	3.01
Madhya Pradesh	3717	8099815	1447283	11705964	8179755	354782	941734	18652315	22801797	4149482	3569084	2.99
Odisha	2556	31245305	-2395535	34932965	26256510	267161	883996	17760549	21637693	3877144	2592544	2.79
Punjab	10379	4571933	3368835	8387470	4770268	688009	1249265	16732223	19779595	3047372	2585978	2.20
Himachal Pradesh	2146	2786949	1237803	4084366	2754900	200022	600305	7735789	10652313	2916524	2620929	2.10
Jharkhand	2202	9127775	754222	11150933	8041007	179153	714548	10348144	13119063	2770919	2174632	2.00
Kerala	6184	4182391	1909538	5965078	2813485	291556	692505	13966562	16081837	2115274	1830646	1.52
Chattisgarh	2838	8412547	2030623	10286188	7686016	176262	576100	10140326	12018703	1878377	1445592	1.35
Dadra and Nagar Haveli	944	3016960	-962031	4033945	2794998	119591	302699	9138745	10831397	1692652	1473519	1.22
Assam	4161	2677691	892276	3584407	2270489	211520	278569	5043457	6587333	1543876	1335273	1.11
Goa	624	1025528	1392674	1805573	1206513	73695	300750	3452700	4983852	1531152	1400182	1.10
Sikkim	75	704503	304970	890153	241965	19580	67144	694296	1835677	1141380	1063883	0.82
Daman and Diu	1236	1149170	1129903	1772332	818691	115040	282751	3470568	4364063	893495	765817	0.64
Bihar	2675	1149990	236584	1777114	985538	116358	155300	4790829	5483116	692287	593958	0.50
Jammu and Kashmir	904	417963	424168	846557	401865	68106	118094	2335254	2901426	566172	517158	0.41
Delhi	2209	490818	547677	1106783	231535	86860	252325	3798164	4345459	547295	491735	0.39
Puducherry	575	443888	418094	780631	580365	51323	137529	2465268	3011150	545882	486007	0.39
Meghalaya	122	341536	67406	469120	371097	12336	27527	394350	553999	159649	119149	0.12
Chandigarh	176	83598	52083	119958	68795	6755	25353	210980	260043	49063	42481	0.04
Tripura	576	42116	6873	62804	39053	26126	12883	102744	136069	33325	28749	0.02
Arunachal Pradesh	117	19343	16633	33113	16505	3298	4089	84207	99998	15791	12206	0.01
Nagaland	161	18804	17065	29293	10490	5663	3438	29776	43214	13438	12231	0.01
Manipur	183	15312	2323	21697	4444	8340	5813	31084	41050	9965	8122	0.01
A&N Islands	9	1301	362	1635	1235	147	317	2471	3159	688	575	0.00
All India	182196	286119367	64599559	399945864	265415842	15040754	40428034	630345334	769123517	138778183	117385551	100.00

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

<i>State/UT</i>	<i>No. of Operating Factories</i>	<i>Fixed Capital</i>	<i>Working Capital</i>	<i>Invested Capital</i>	<i>Gross Value of Plant and Machinery</i>	<i>Total Persons Engaged</i>	<i>Total Emoluments</i>	<i>Total Input</i>	<i>Total Output</i>	<i>GVA</i>	<i>NVA</i>
Maharashtra	10.29	11.79	17.74	12.76	12.87	12.84	18.14	14.29	14.98	18.12	18.65
Gujarat	10.60	21.73	6.51	20.18	21.67	11.72	12.19	16.82	16.53	15.20	15.00
Tamilnadu	16.48	8.05	16.92	8.86	8.00	16.35	13.89	10.83	10.89	11.17	11.12
Karnataka	5.34	6.12	8.03	6.28	6.51	6.79	7.94	6.56	6.64	7.01	7.11
Uttar Pradesh	6.30	4.06	4.32	4.81	4.34	6.81	6.31	6.57	6.40	5.61	5.78
Haryana	3.79	3.91	5.40	4.32	3.77	5.61	6.13	6.68	6.39	5.08	5.01
Rajasthan	4.40	2.99	5.21	3.20	3.07	3.57	3.53	3.76	3.71	3.46	3.42
Uttrakhand	1.37	1.49	3.09	1.62	1.56	2.79	2.29	2.89	2.97	3.38	3.63
Andhra Pradesh	6.61	5.83	2.69	5.51	5.42	3.78	3.38	4.06	3.90	3.16	2.89
West Bengal	4.27	3.71	3.39	3.93	3.90	4.28	3.65	4.27	4.05	3.03	2.97
Telangana	5.98	2.34	6.76	2.58	2.32	4.98	3.66	2.43	2.54	3.01	2.99
Madhya Pradesh	2.04	2.83	2.24	2.93	3.08	2.36	2.33	2.96	2.96	2.99	3.04
Odisha	1.40	10.92	-3.71	8.73	9.89	1.78	2.19	2.82	2.81	2.79	2.21
Punjab	5.70	1.60	5.21	2.10	1.80	4.57	3.09	2.65	2.57	2.20	2.20
Himachal Pradesh	1.18	0.97	1.92	1.02	1.04	1.33	1.48	1.23	1.38	2.10	2.23
Jharkhand	1.21	3.19	1.17	2.79	3.03	1.19	1.77	1.64	1.71	2.00	1.85
Kerala	3.39	1.46	2.96	1.49	1.06	1.94	1.71	2.22	2.09	1.52	1.56
Chattisgarh	1.56	2.94	3.14	2.57	2.90	1.17	1.43	1.61	1.56	1.35	1.23
Dadra and Nagar Haveli	0.52	1.05	-1.49	1.01	1.05	0.80	0.75	1.45	1.41	1.22	1.26
Assam	2.28	0.94	1.38	0.90	0.86	1.41	0.69	0.80	0.86	1.11	1.14
Goa	0.34	0.36	2.16	0.45	0.45	0.49	0.74	0.55	0.65	1.10	1.19
Sikkim	0.04	0.25	0.47	0.22	0.09	0.13	0.17	0.11	0.24	0.82	0.91
Daman and Diu	0.68	0.40	1.75	0.44	0.31	0.76	0.70	0.55	0.57	0.64	0.65
Bihar	1.47	0.40	0.37	0.44	0.37	0.77	0.38	0.76	0.71	0.50	0.51
Jammu and Kashmir	0.50	0.15	0.66	0.21	0.15	0.45	0.29	0.37	0.38	0.41	0.44
Delhi	1.21	0.17	0.85	0.28	0.09	0.58	0.62	0.60	0.56	0.39	0.42
Puducherry	0.32	0.16	0.65	0.20	0.22	0.34	0.34	0.39	0.39	0.39	0.41
Meghalaya	0.07	0.12	0.10	0.12	0.14	0.08	0.07	0.06	0.07	0.12	0.10
Chandigarh	0.10	0.03	0.08	0.03	0.03	0.04	0.06	0.03	0.03	0.04	0.04
Tripura	0.32	0.01	0.01	0.02	0.01	0.17	0.03	0.02	0.02	0.02	0.02
Arunachal Pradesh	0.06	0.01	0.03	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01
Nagaland	0.09	0.01	0.03	0.01	0.00	0.04	0.01	0.00	0.01	0.01	0.01
Manipur	0.10	0.01	0.00	0.01	0.00	0.06	0.01	0.00	0.01	0.01	0.01
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	143	22	17	955	44	4422222	312963	203395	168273
Andhra Pradesh	1386	45	37	2339	266	5210393	773838	592050	167674
Arunachal Pradesh	165	28	23	855	104	3032080	478805	370103	89592
Assam	636	51	42	1566	317	3100387	726679	628526	79077
Bihar	693	42	36	2084	222	4929431	624500	525907	89200
Chandigarh	511	46	27	2396	305	5162033	750700	656738	226339
Chattisgarh	3789	62	49	4221	487	6760059	1052957	780142	210663
Dadra and Nagar Haveli	3196	127	100	11474	1561	9057034	1415367	1232132	148612
Daman and Diu	930	93	73	3531	620	3793518	776682	665696	137277
Delhi	259	41	28	1877	224	4552795	613639	543562	167135
Goa	1585	114	77	7575	2120	6619120	2027605	1852313	225455
Gujarat	3269	89	68	6609	890	7444766	1208524	1002002	159612
Haryana	1654	120	95	7053	842	5864246	840623	699908	156592
Himachal Pradesh	2011	91	65	5007	1315	5487331	1616070	1440549	162121
Jammu and Kashmir	986	79	62	3525	687	4474172	982385	871856	114768
Jharkhand	4458	81	65	5982	990	7360694	1567999	1217917	260696
Karnataka	1763	99	77	4903	809	4964940	959159	818692	189875
Kerala	635	45	35	2389	276	5270780	703631	608138	164673
Madhya Pradesh	3761	92	69	6275	974	6804674	1295848	1055986	154057
Maharashtra	1779	100	70	5954	1110	5975304	1288136	1114278	200522
Manipur	84	45	39	223	44	493237	120230	98172	65585
Meghalaya	2784	98	83	4376	942	4483403	1297809	964615	126287
Nagaland	113	33	28	294	72	901133	241289	219304	55806
Odisha	12699	105	86	8613	1011	8228038	1467492	965484	221327
Puducherry	763	88	68	5229	853	5923271	1082666	966489	148563
Punjab	439	66	53	1970	249	2994839	445375	378329	123690
Rajasthan	1306	66	52	3552	507	5348833	931254	763998	156648
Sikkim	9041	252	193	23539	13642	9339422	5807233	5412813	190908
Tamilnadu	867	79	65	2698	428	3423081	650224	542962	138775
Telangana	676	66	56	1855	329	2799200	593654	496997	127654
Tripura	75	44	39	259	51	585495	132765	114449	40730
Uttar Pradesh	1080	84	65	4013	568	4805900	787334	680356	136943
Uttrakhand	2281	167	133	9222	1736	5536646	1166637	1042182	138220
West Bengal	1408	80	62	3826	445	4807897	681085	559754	151255
All India	1680	80	63	4127	629	5169625	939485	787515	157718

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

State/UT	Fixed Capital per Factory in Operation (₹ Lakhs)	Total Persons Engaged per Factory in Operation (Number)	Workers per Factory in Operation (Number)	Gross Output per Factory in Operation (₹ Lakhs)	Net Value Added per Factory in Operation (₹ Lakhs)	Output per Person Engaged (₹)	Gross Value Added per Person Engaged (₹)	Net Value Added per Person Engaged (₹)	Wages per Worker (₹)
A&N Islands	145	16	13	351	64	2148980	468027	391156	155172
Andhra Pradesh	1385	47	39	2489	281	5272803	772050	596173	169928
Arunachal Pradesh	165	28	23	855	104	3032080	478805	370103	89592
Assam	644	51	42	1583	321	3114284	729896	631275	78417
Bihar	430	43	37	2050	222	4712281	594963	510457	86763
Chandigarh	475	38	26	1478	241	3849637	726321	628882	239788
Chattisgarh	2964	62	49	4235	509	6818658	1065673	820138	211792
Dadra and Nagar Haveli	3196	127	100	11474	1561	9057034	1415367	1232132	148612
Daman and Diu	930	93	73	3531	620	3793518	776682	665696	137277
Delhi	222	39	27	1967	223	5002831	630089	566124	163993
Goa	1643	118	80	7987	2244	6762809	2077688	1899969	227223
Gujarat	3219	91	70	6582	911	7209915	1196491	998193	160322
Haryana	1621	122	96	7111	850	5828542	836025	696937	156756
Himachal Pradesh	1299	93	67	4964	1221	5325571	1458102	1310320	160023
Jammu and Kashmir	462	75	61	3210	572	4260162	831310	759343	108977
Jharkhand	4145	81	65	5958	988	7322826	1546677	1213841	264783
Karnataka	1799	105	82	5247	857	5002586	953203	817148	190097
Kerala	676	47	37	2601	296	5515866	725512	627888	164998
Madhya Pradesh	2179	95	71	6134	960	6426988	1169586	1005994	153036
Maharashtra	1799	103	73	6147	1168	5966710	1302351	1133705	201824
Manipur	84	46	39	224	44	492206	119484	97386	64870
Meghalaya	2799	101	86	4541	977	4490913	1294172	965864	127609
Nagaland	117	35	31	268	76	763094	237295	215981	54837
Odisha	12224	105	87	8465	1014	8099121	1451239	970405	223629
Puducherry	772	89	69	5237	845	5867058	1063621	946958	148098
Punjab	440	66	54	1906	249	2874904	442926	375864	123656
Rajasthan	1068	67	52	3557	501	5309730	895485	747781	156879
Sikkim	9393	261	200	24476	14185	9375266	5829316	5433519	191163
Tamilnadu	768	82	68	2791	435	3406861	630493	530819	138602
Telangana	615	69	58	1790	323	2604580	558144	469575	126199
Tripura	73	45	40	236	50	520818	127555	110040	39991
Uttar Pradesh	1010	89	70	4284	591	4804326	760533	662286	137042
Uttarakhand	1709	168	134	9144	1702	5451845	1117673	1015033	135717
West Bengal	1365	83	65	4006	449	4838817	652605	541820	151455
All India	1570	83	65	4221	644	5113597	922681	780450	157781

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 93.16% of the operating factories covered in ASI 2017-18 are engaged in selected manufacturing activities, 0.53% are engaged in the generation, transmission and distribution of electricity, gas, water supply etc. And the remaining 6.32% 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 11.88% of the total fixed capital as against 1.05% share by the 'other' activities. The selected manufacturing activities account for about 87.08% of the fixed capital. The selected manufacturing sector, consistent with its large number of factories, accounts for 95.28% of the value of total output, which is produced by 96.32% of the total persons engaged. The electricity, gas, water sector contributes about 2.10% to the total output and is produced by 0.60% of the total persons engaged. The corresponding share of the 'other' activities in the value of total output is 2.62% which is produced by 3.08% of the total persons engaged. Of the estimated total net value added by registered manufacturing sector of ₹12,29,67,418 lakhs, ₹11,73,85,551 lakhs (95.46%) originate from selected manufacturing activities, ₹31,89,900 lakhs (2.59%) from electricity, gas, water supply, and the remaining ₹23,91,967 lakhs (1.95%) 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	182196	1033	12355	195584
Fixed Capital	₹ Lakhs	286119367	39027902	3441658	328588927
Productive Capital	₹ Lakhs	350718925	36614897	5666996	393000817
Invested Capital	₹ Lakhs	399945864	39886689	6261927	446094480
Workers	Number	11828521	71870	324031	12224422
Total Persons Engaged	Number	15040754	93240	480625	15614619
Wages to Workers	₹ Lakhs	18663183	162552	454331	19280066
Total Emoluments	₹ Lakhs	40428034	404857	1002825	41835716
Total Input	₹ Lakhs	630345334	11751971	18422910	660520215
Total Output	₹ Lakhs	769123517	16971125	21122616	807217258
GVA	₹ Lakhs	138778183	5219154	2699706	146697043
Depreciation	₹ Lakhs	21392632	2029254	307739	23729624
NVA	₹ Lakhs	117385551	3189900	2391967	122967418
Rent Paid for Fixed Assets	₹ Lakhs	1963203	17837	166324	2147363
Interest Paid	₹ Lakhs	15757173	2578942	432264	18768379
Income	₹ Lakhs	102391236	816074	1871479	105078789
Profit	₹ Lakhs	56504035	356701	763510	57624246

**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	93.16	0.53	6.32	100.00
Fixed Capital	87.08	11.88	1.05	100.00
Productive Capital	89.24	9.32	1.44	100.00
Invested Capital	89.65	8.94	1.40	100.00
Workers	96.76	0.59	2.65	100.00
Total Persons Engaged	96.32	0.60	3.08	100.00
Wages to Workers	96.80	0.84	2.36	100.00
Total Emoluments	96.64	0.97	2.40	100.00
Total Input	95.43	1.78	2.79	100.00
Total Output	95.28	2.10	2.62	100.00
GVA	94.60	3.56	1.84	100.00
Depreciation	90.15	8.55	1.30	100.00
NVA	95.46	2.59	1.95	100.00
Rent Paid for Fixed Assets	91.42	0.83	7.75	100.00
Interest Paid	83.96	13.74	2.30	100.00
Income	97.44	0.78	1.78	100.00
Profit	98.06	0.62	1.32	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 1,95,584 factories in operation, 1,35,235 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 (69.14%), it utilizes only 7.12% of the fixed capital, provides employment to 13.55% of the total persons engaged, produces 11.62% of the total output and generates 7.16% 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 10.87% of the operating factories, utilize 81.80% of the total fixed capital, provide gainful employment to 63.75% of the total persons engaged, produce 70.97% of the total output and generate 77.24% of net value added by manufacture. The very large operating factories, employing 5,000 or more employees each, constitute only 0.33% of the operating factories, however, engage 8.56 % of total persons engaged, utilize 24.05% of the fixed capital, produce 14.63% of total output and contribute 13.58% 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

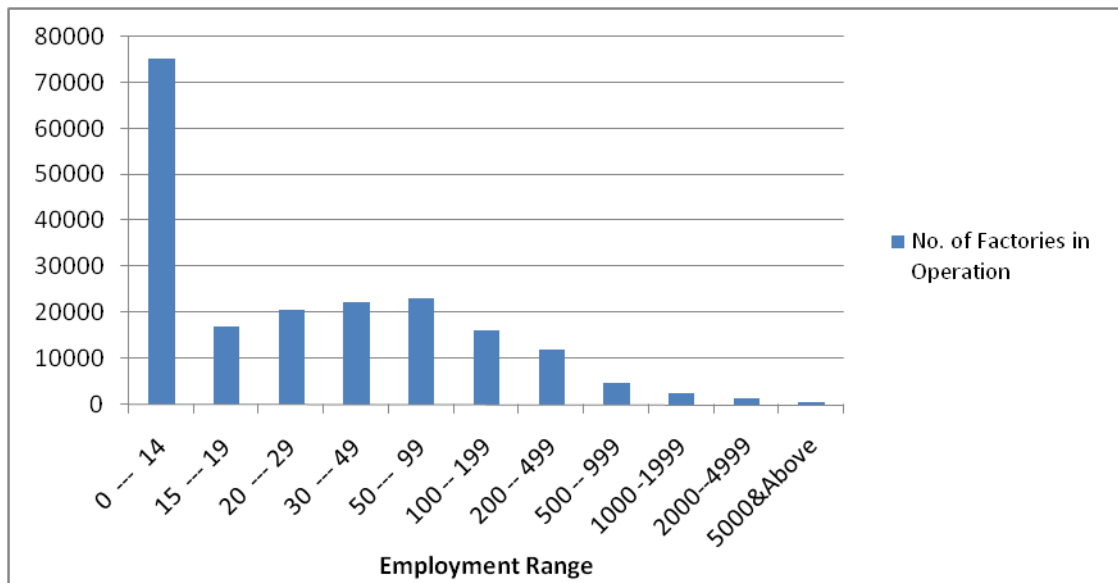
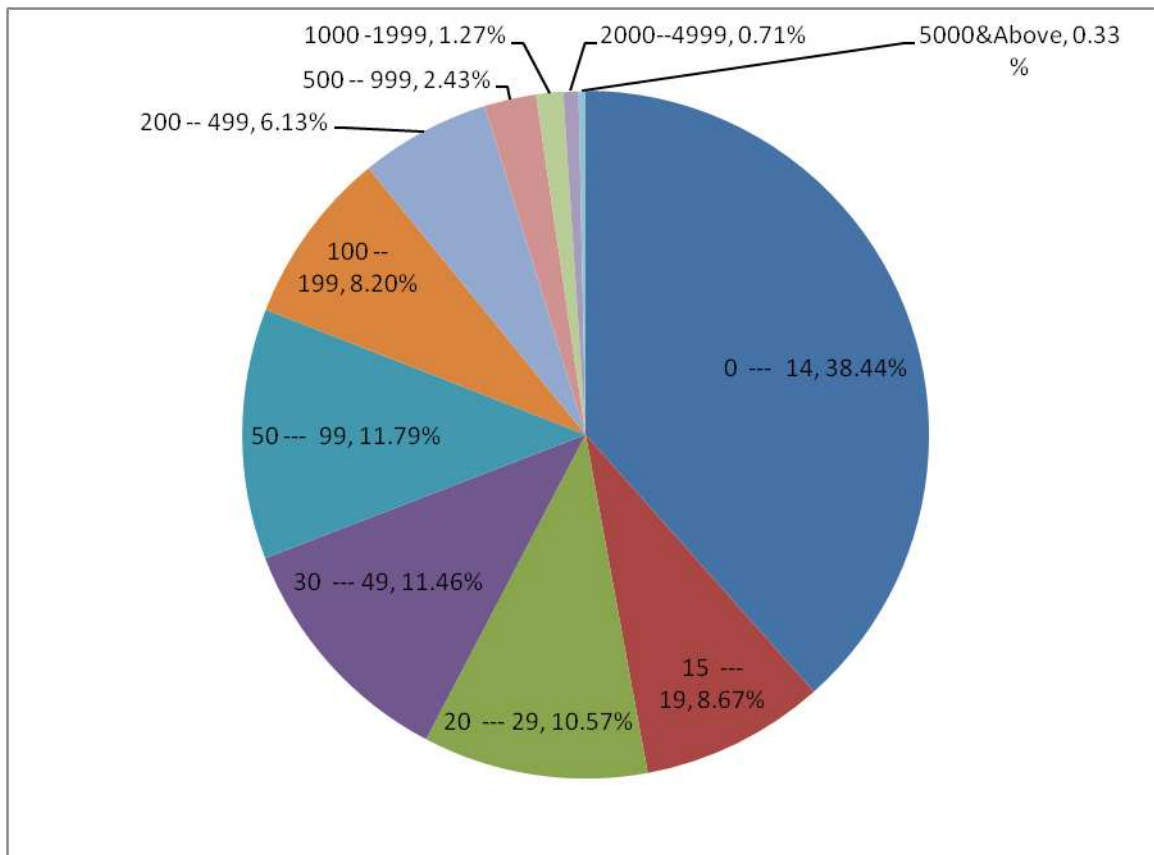


Figure 8: Percentage Distribution of Factories in Operation by Size of Employment: All - India



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	75179	8531708	2898395	11430103	12126102	328138	499990	324751
15 --- 19	16965	2858107	2033791	4891898	4718961	201991	284217	227499
20 --- 29	20672	4520726	3907558	8428284	7914574	357518	489936	413228
30 --- 49	22419	7475250	4994774	12470025	12591960	637065	841000	752111
50 --- 99	23058	14799033	9948447	24747480	23127292	1194914	1544056	1452248
100 -- 199	16034	21620237	8362767	29983004	33120970	1572328	2002052	2045788
200 -- 499	11980	42899630	12646647	55546277	64346685	2346191	3011950	3592429
500 -- 999	4749	47607328	8138584	55745912	65175643	1786591	2257106	2982235
1000 -1999	2487	49564455	8949693	58514148	64026628	1430959	1798547	2680657
2000--4999	1390	49677996	3057820	52735816	64244487	1232560	1549572	2436675
5000&Above	652	79034457	-526585	78507872	94701178	1136168	1336193	2372444
Total	195584	328588927	64411890	393000817	446094480	12224422	15614619	19280066

<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	641697	19383176	21496622	2113447	696259	1417187	51449	536092
15 --- 19	479425	10445373	11971737	1526365	262140	1264224	36494	273397
20 --- 29	864724	20647448	23272847	2625399	442640	2182759	56885	464990
30 --- 49	1571155	32468135	37112425	4644290	706643	3937646	102306	761277
50 --- 99	3108297	53340136	63005192	9665056	1410098	8254958	175700	1249688
100 -- 199	4492025	64392992	77402596	13009604	2063366	10946239	297023	1629638
200 -- 499	7961563	107659981	131237641	23577659	3766149	19811511	393417	2890828
500 -- 999	6419277	88318887	114982982	26664095	3452791	23211305	319152	2610854
1000 -1999	6035746	77149761	99530515	22380754	3460436	18920318	286445	2685410
2000--4999	5339187	89220693	109072446	19851753	3524262	16327491	237403	2671077
5000&Above	4922620	97493633	118132254	20638621	3944840	16693781	191088	2995128
Total	41835716	660520215	807217258	146697043	23729624	122967418	2147363	18768379

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	38.44	2.60	4.50	2.91	2.72	2.68	3.20	1.68
15 --- 19	8.67	0.87	3.16	1.24	1.06	1.65	1.82	1.18
20 --- 29	10.57	1.38	6.07	2.14	1.77	2.92	3.14	2.14
30 --- 49	11.46	2.27	7.75	3.17	2.82	5.21	5.39	3.90
50 --- 99	11.79	4.50	15.45	6.30	5.18	9.77	9.89	7.53
100 -- 199	8.20	6.58	12.98	7.63	7.42	12.86	12.82	10.61
200 -- 499	6.13	13.06	19.63	14.13	14.42	19.19	19.29	18.63
500 -- 999	2.43	14.49	12.64	14.18	14.61	14.61	14.46	15.47
1000 -1999	1.27	15.08	13.89	14.89	14.35	11.71	11.52	13.90
2000--4999	0.71	15.12	4.75	13.42	14.40	10.08	9.92	12.64
5000&Above	0.33	24.05	-0.82	19.98	21.23	9.29	8.56	12.31
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	1.53	2.93	2.66	1.44	2.93	1.15	2.40	2.86
15 --- 19	1.15	1.58	1.48	1.04	1.10	1.03	1.70	1.46
20 --- 29	2.07	3.13	2.88	1.79	1.87	1.78	2.65	2.48
30 --- 49	3.76	4.92	4.60	3.17	2.98	3.20	4.76	4.06
50 --- 99	7.43	8.08	7.81	6.59	5.94	6.71	8.18	6.66
100 -- 199	10.74	9.75	9.59	8.87	8.70	8.90	13.83	8.68
200 -- 499	19.03	16.30	16.26	16.07	15.87	16.11	18.32	15.40
500 -- 999	15.34	13.37	14.24	18.18	14.55	18.88	14.86	13.91
1000 -1999	14.43	11.68	12.33	15.26	14.58	15.39	13.34	14.31
2000--4999	12.76	13.51	13.51	13.53	14.85	13.28	11.06	14.23
5000&Above	11.77	14.76	14.63	14.07	16.62	13.58	8.90	15.96
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	69874	6263208	2594355	8857562	9607492	305275	462716	299825
15 --- 19	15759	1984612	1919854	3904466	3731957	188624	264142	211880
20 --- 29	18850	3109150	3373510	6482660	6192698	328002	446836	377397
30 --- 49	20750	5882443	4527160	10409603	10584901	595430	780269	697451
50 --- 99	21594	11991335	9431241	21422577	19787753	1131813	1452778	1364929
100 -- 199	15103	19052478	8164037	27216515	29999152	1504203	1900224	1942527
200 -- 499	11397	38493717	13133281	51626999	59358221	2284880	2920182	3488525
500 -- 999	4526	37239125	9976235	47215360	54357973	1749893	2205532	2906143
1000 -1999	2349	35043549	8830672	43874221	49128454	1385555	1741267	2595981
2000--4999	1342	48025292	3175799	51201091	62496084	1218678	1530615	2406081
5000&Above	652	79034457	-526585	78507872	94701178	1136168	1336193	2372444
Total	182196	286119367	64599559	350718925	399945864	11828521	15040754	18663183

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	584054	17522239	19252124	1729885	550420	1179465	45024	387596
15 --- 19	446214	9618525	10991959	1373434	210266	1163168	33480	220279
20 --- 29	793217	18488579	20740253	2251674	339209	1912465	48270	370398
30 --- 49	1454553	29465271	33531805	4066533	613442	3453091	83857	601695
50 --- 99	2923795	49452410	58390101	8937691	1218185	7719506	148148	1056673
100 -- 199	4236827	60081581	72169611	12088030	1855888	10232142	245450	1405552
200 -- 499	7709624	104531982	127138371	22606388	3462936	19143452	358103	2534543
500 -- 999	6226271	83238279	108378371	25140093	2988681	22151412	299379	2066600
1000 -1999	5850826	71949814	92544269	20594455	2792850	17801605	275517	1570675
2000--4999	5280034	88503021	107854400	19351379	3415914	15935465	234887	2548033
5000&Above	4922620	97493633	118132254	20638621	3944840	16693781	191088	2995128
Total	40428034	630345334	769123517	138778183	21392632	117385551	1963203	15757173

Statement 12B : Principal Characteristics by Size of Employment (Only for Selected Manufacturing Sector)								
(Percentage Distribution)								
Employment Range	Factories in Operation	Fixed Capital	Working Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers
0 --- 14	38.35	2.19	4.02	2.53	2.40	2.58	3.08	1.61
15 --- 19	8.65	0.69	2.97	1.11	0.93	1.59	1.76	1.14
20 --- 29	10.35	1.09	5.22	1.85	1.55	2.77	2.97	2.02
30 --- 49	11.39	2.06	7.01	2.97	2.65	5.03	5.19	3.74
50 --- 99	11.85	4.19	14.60	6.11	4.95	9.57	9.66	7.31
100 -- 199	8.29	6.66	12.64	7.76	7.50	12.72	12.63	10.41
200 -- 499	6.26	13.45	20.33	14.72	14.84	19.32	19.42	18.69
500 -- 999	2.48	13.02	15.44	13.46	13.59	14.79	14.66	15.57
1000 -1999	1.29	12.25	13.67	12.51	12.28	11.71	11.58	13.91
2000--4999	0.74	16.79	4.92	14.60	15.63	10.30	10.18	12.89
5000&Above	0.36	27.62	-0.82	22.38	23.68	9.61	8.88	12.71
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Employment Range	Total Emoluments	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
0 --- 14	1.44	2.78	2.50	1.25	2.57	1.00	2.29	2.46
15 --- 19	1.10	1.53	1.43	0.99	0.98	0.99	1.71	1.40
20 --- 29	1.96	2.93	2.70	1.62	1.59	1.63	2.46	2.35
30 --- 49	3.60	4.67	4.36	2.93	2.87	2.94	4.27	3.82
50 --- 99	7.23	7.85	7.59	6.44	5.69	6.58	7.55	6.71
100 -- 199	10.48	9.53	9.38	8.71	8.68	8.72	12.50	8.92
200 -- 499	19.07	16.58	16.53	16.29	16.19	16.31	18.24	16.09
500 -- 999	15.40	13.21	14.09	18.12	13.97	18.87	15.25	13.12
1000 -1999	14.47	11.41	12.03	14.84	13.06	15.17	14.03	9.97
2000--4999	13.06	14.04	14.02	13.94	15.97	13.58	11.96	16.17
5000&Above	12.18	15.47	15.36	14.87	18.44	14.22	9.73	19.01
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&A bove	Total		
A&N Islands	6	2	1	3	3	0	0	0	0	0	0	15	249	324
Andhra Pradesh	8559	929	1062	898	721	435	421	171	81	21	8	13308	486846	597292
Arunachal Pradesh	56	13	14	20	9	4	1	0	0	0	0	117	2671	3298
Assam	1974	258	241	350	757	570	131	11	5	1	0	4299	180489	217155
Bihar	1510	128	122	190	520	356	37	14	2	1	0	2881	104057	121772
Chandigarh	122	12	19	11	15	14	8	3	0	0	0	203	5414	9424
Chattisgarh	1412	381	344	244	200	181	73	36	28	20	56	2976	147310	185805
Dadra&Nagar Haveli	115	47	58	132	237	150	110	53	15	2	25	944	93928	119591
Daman & Diu	307	123	133	214	144	146	75	49	20	25	0	1236	89854	115040
Delhi	1091	234	269	225	275	215	120	42	8	1	0	2480	68630	102248
Goa	215	23	75	92	77	73	68	18	24	3	0	666	51377	76214
Gujarat	7311	2392	2425	2389	2349	1394	1371	486	262	165	33	20577	1403204	1826748
Haryana	1927	508	797	945	1160	758	587	250	114	68	23	7136	674373	858313
Himachal Pradesh	642	123	265	342	379	233	183	66	20	2	0	2255	146633	205781
Jammu & Kashmir	406	57	81	132	98	66	68	23	3	0	1	933	58005	73498
Jharkhand	1028	216	309	272	242	113	94	30	25	10	28	2366	153026	192282
Karnataka	3230	1127	1264	1126	1278	861	892	433	328	109	139	10787	828689	1065346
Kerala	3207	587	683	669	640	373	364	160	102	60	2	6848	241789	310326
Madhya Pradesh	1408	444	482	508	493	332	228	80	89	28	8	4099	281063	378022
Maharashtra	5256	1660	2140	2740	3148	2160	1817	763	315	129	23	20151	1414565	2007794
Manipur	57	25	25	42	29	10	0	0	0	1	0	189	7334	8532
Meghalaya	47	15	20	11	11	7	12	7	0	0	0	130	10758	12689
Nagaland	90	19	20	13	31	10	0	1	0	0	0	184	5227	6004
Odisha	1484	211	268	177	195	132	91	52	23	16	20	2670	229036	279496
Puducherry	226	35	53	63	63	65	46	30	5	2	0	587	39738	51816
Punjab	3514	1008	1617	1832	1418	693	383	175	75	50	1	10767	569266	708232
Rajasthan	3571	720	871	1026	976	537	426	114	79	35	19	8375	432434	556103
Sikkim	8	5	3	10	14	14	12	5	7	0	0	78	15069	19659
Tamilnadu	11030	2578	3255	3807	3850	3046	2324	960	502	449	211	32014	2095223	2523483
Telangana	7504	740	892	777	851	554	347	165	76	59	23	11987	669220	794520
Tripura	316	17	19	31	94	111	14	0	0	0	0	602	23393	26632
Uttar Pradesh	4106	1230	1536	1836	1506	1292	882	248	136	47	5	12824	839121	1070841
Uttrakhand	447	182	258	299	348	460	383	121	40	15	9	2561	339694	426587
West Bengal	2997	917	1051	995	923	669	413	182	103	71	18	8340	516740	663751
All India	75179	16965	20672	22419	23058	16034	11980	4749	2487	1390	652	195584	12224422	15614619

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 ---	15 ---	20 ---	30 ---	50 ---	100 --	200 --	500 --	1000 -	2000--	5000&	Total		
	14	19	29	49	99	199	499	999	1999	4999	Above			
A&N Islands	18.75	18.75	18.75	18.75	25.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	64.43	7.59	8.02	5.82	6.25	3.50	2.57	0.96	0.62	0.19	0.05	100.00	3.92	3.78
Arunachal Pradesh	44.07	14.41	12.71	16.10	9.32	2.54	0.85	0.00	0.00	0.00	0.00	100.00	0.02	0.02
Assam	40.81	6.93	6.39	10.41	17.12	15.01	2.91	0.25	0.12	0.05	0.00	100.00	1.55	1.46
Bihar	52.79	5.33	4.81	7.74	14.55	13.14	1.10	0.48	0.10	0.00	0.00	100.00	0.85	0.78
Chandigarh	51.00	9.50	8.50	7.00	12.00	6.50	5.00	1.50	0.00	0.00	0.00	100.00	0.05	0.07
Chhattisgarh	41.61	11.76	16.25	10.79	7.17	4.52	2.89	1.70	0.66	0.63	1.98	100.00	1.26	1.26
D&N Haveli	20.60	6.08	8.96	11.43	18.54	14.93	12.15	3.81	1.03	0.00	2.57	100.00	0.81	0.83
Daman & Diu	25.22	8.05	10.91	12.79	18.25	9.39	9.03	3.31	1.34	1.79	0.00	100.00	0.78	0.76
Delhi	43.46	8.74	10.82	12.60	12.08	5.37	4.67	1.93	0.30	0.04	0.00	100.00	0.65	0.75
Goa	29.39	4.15	14.22	10.70	14.54	10.70	10.22	3.35	2.56	0.32	0.00	100.00	0.38	0.43
Gujarat	38.82	10.32	11.81	10.88	11.12	6.85	6.18	1.88	1.30	0.72	0.13	100.00	10.69	10.96
Haryana	28.84	5.38	11.34	13.47	14.65	11.58	8.64	3.53	1.49	0.77	0.34	100.00	5.57	5.55
Himachal Pradesh	24.00	10.34	14.55	13.79	14.60	10.43	8.78	2.73	0.76	0.04	0.00	100.00	1.22	1.33
Jammu & Kashmir	44.88	10.23	8.96	7.57	11.94	7.25	6.40	2.35	0.32	0.00	0.11	100.00	0.51	0.51
Jharkhand	44.30	11.07	13.31	9.80	10.86	3.18	3.63	1.51	0.57	0.61	1.10	100.00	1.24	1.27
Karnataka	32.66	8.70	12.13	10.75	11.32	7.81	7.39	4.11	2.61	1.27	1.26	100.00	7.10	7.14
Kerala	44.80	10.00	9.00	11.11	10.03	5.51	4.49	2.25	1.57	1.14	0.10	100.00	2.14	2.14
Madhya Pradesh	37.18	8.73	12.23	11.25	11.12	7.47	6.87	2.34	1.89	0.70	0.20	100.00	2.40	2.50
Maharashtra	29.53	8.91	11.91	13.02	13.52	9.76	7.82	3.33	1.49	0.60	0.11	100.00	11.71	12.92
Manipur	29.28	12.15	15.47	20.99	17.13	4.42	0.00	0.00	0.00	0.55	0.00	100.00	0.06	0.05
Meghalaya	40.17	5.98	13.68	8.55	11.11	4.27	10.26	4.27	1.71	0.00	0.00	100.00	0.09	0.08
Nagaland	51.10	9.34	9.34	8.24	15.93	5.49	0.00	0.55	0.00	0.00	0.00	100.00	0.04	0.04
Odisha	57.76	8.02	8.69	6.98	6.20	4.79	3.75	1.89	0.56	0.63	0.74	100.00	1.91	1.83
Puducherry	33.39	4.95	10.46	14.31	10.83	10.28	10.64	3.49	1.47	0.18	0.00	100.00	0.32	0.31
Punjab	34.99	10.26	14.32	14.25	14.69	5.45	3.69	1.28	0.63	0.45	0.01	100.00	4.56	4.40
Rajasthan	43.43	9.27	9.48	10.00	13.93	6.14	5.00	1.33	0.73	0.50	0.21	100.00	3.54	3.57
Sikkim	15.94	4.35	7.25	10.14	18.84	13.04	13.04	7.25	10.14	0.00	0.00	100.00	0.11	0.12
Tamilnadu	35.78	8.48	10.16	11.37	12.21	9.14	6.51	2.85	1.69	1.18	0.64	100.00	17.18	16.15
Telangana	68.67	5.41	6.79	4.98	5.89	3.11	2.92	1.08	0.60	0.43	0.12	100.00	5.20	4.86
Tripura	51.13	2.62	3.32	4.89	14.14	21.12	2.09	0.70	0.00	0.00	0.00	100.00	0.21	0.18
Uttar Pradesh	33.69	10.24	11.91	12.98	11.41	10.19	6.53	1.95	0.65	0.36	0.09	100.00	6.72	6.79
Uttrakhand	17.14	8.33	10.60	11.58	12.75	18.51	13.54	4.85	1.84	0.63	0.27	100.00	2.95	2.85
West Bengal	37.96	11.89	12.84	11.84	9.36	7.31	4.99	1.70	1.05	0.89	0.17	100.00	4.27	4.30
All India	40.18	8.78	10.74	10.83	11.48	7.83	5.74	2.24	1.19	0.68	0.32	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	4	2	1	2	0	0	0	0	0	0	0	9	116	147
Andhra Pradesh	7870	807	894	761	593	427	407	167	81	21	8	12037	465999	568222
Arunachal Pradesh	56	13	14	20	9	4	1	0	0	0	0	117	2671	3298
Assam	1921	248	230	327	739	546	131	11	5	1	0	4161	176545	211520
Bihar	1414	92	102	168	498	347	37	14	1	1	0	2675	99915	116358
Chandigarh	121	12	10	10	9	5	6	3	0	0	0	176	4529	6755
Chattisgarh	1374	372	330	226	159	168	71	33	28	20	56	2838	139906	176262
D&N Haveli	115	47	58	132	237	150	110	53	15	2	25	944	93928	119591
Daman & Diu	307	123	133	214	144	146	75	49	20	25	0	1236	89854	115040
Delhi	1019	222	255	194	242	163	73	32	8	1	0	2209	59103	86860
Goa	206	23	71	81	65	67	67	18	24	3	0	624	49668	73695
Gujarat	6891	2252	2187	2238	2242	1299	1320	483	220	151	33	19316	1358545	1763435
Haryana	1843	495	767	919	1138	722	574	248	113	68	23	6910	665039	843051
Himachal Pradesh	616	115	246	305	368	229	182	65	19	2	0	2146	142963	200022
Jammu & Kashmir	399	57	81	123	98	62	64	18	2	0	1	904	55005	68106
Jharkhand	981	202	292	239	216	96	91	24	25	8	28	2202	142890	179153
Karnataka	2875	1064	1118	1006	1202	796	792	375	261	107	139	9734	798956	1020888
Kerala	2929	534	596	540	565	344	359	153	102	60	2	6184	229304	291556
Madhya Pradesh	1262	411	422	456	437	313	220	77	83	28	8	3717	264689	354782
Maharashtra	4795	1519	1994	2564	2955	2000	1729	726	309	129	23	18743	1365750	1931055
Manipur	57	23	23	41	28	10	0	0	0	1	0	183	7179	8340
Meghalaya	42	14	19	11	11	7	11	7	0	0	0	122	10475	12336
Nagaland	73	16	19	13	29	10	0	1	0	0	0	161	4982	5663
Odisha	1444	204	261	174	178	112	77	49	21	16	20	2556	221246	267161
Puducherry	222	35	49	63	62	62	46	30	5	2	0	575	39476	51323
Punjab	3389	997	1562	1746	1377	641	376	164	75	50	1	10379	557411	688009
Rajasthan	3447	681	803	984	936	512	411	107	78	34	19	8014	418249	536832
Sikkim	8	3	3	9	14	14	12	5	7	0	0	75	15017	19580
Tamilnadu	10130	2391	3000	3659	3667	2935	2186	923	499	421	211	30023	2046010	2459621
Telangana	6973	703	734	688	661	507	318	153	76	58	23	10893	632860	748688
Tripura	298	16	18	29	90	111	14	0	0	0	0	576	23060	26126
Uttar Pradesh	3539	1094	1344	1606	1399	1210	859	247	134	47	5	11484	806588	1024057
Uttrakhand	428	181	257	298	332	445	380	119	39	15	9	2502	335413	419646
West Bengal	2826	793	958	903	892	644	399	171	99	71	18	7774	505182	643575
All India	69874	15759	18850	20750	21594	15103	11397	4526	2349	1342	652	182196	11828521	15040754

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

Section 7

(Only for Selected Manufacturing Sector)

State/UT	Employment Size												No. of Workers	Total Persons Engaged
	0 --- 14	15 --- 19	20 --- 29	30 --- 49	50 --- 99	100 -- 199	200 -- 499	500 -- 999	1000 - 1999	2000-- 4999	5000 & Above	Total		
A&N Islands	44.44	22.22	11.11	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00
Andhra Pradesh	65.38	6.70	7.43	6.32	4.93	3.55	3.38	1.39	0.67	0.17	0.07	100.00	3.94	3.78
Arunachal Pradesh	47.86	11.11	11.97	17.09	7.69	3.42	0.85	0.00	0.00	0.00	0.00	100.00	0.02	0.02
Assam	46.17	5.96	5.53	7.86	17.76	13.12	3.15	0.26	0.12	0.02	0.00	100.00	1.49	1.41
Bihar	52.86	3.44	3.81	6.28	18.62	12.97	1.38	0.52	0.04	0.04	0.00	100.00	0.84	0.77
Chandigarh	68.75	6.82	5.68	5.68	5.11	2.84	3.41	1.70	0.00	0.00	0.00	100.00	0.04	0.04
Chattisgarh	48.41	13.11	11.63	7.96	5.60	5.92	2.50	1.16	0.99	0.70	1.97	100.00	1.18	1.17
D&N Haveli	12.18	4.98	6.14	13.98	25.11	15.89	11.65	5.61	1.59	0.21	2.65	100.00	0.79	0.80
Daman & Diu	24.84	9.95	10.76	17.31	11.65	11.81	6.07	3.96	1.62	2.02	0.00	100.00	0.76	0.76
Delhi	46.13	10.05	11.54	8.78	10.96	7.38	3.30	1.45	0.36	0.05	0.00	100.00	0.50	0.58
Goa	33.01	3.69	11.38	12.98	10.42	10.74	10.74	2.88	3.85	0.48	0.00	100.00	0.42	0.49
Gujarat	35.68	11.66	11.32	11.59	11.61	6.72	6.83	2.50	1.14	0.78	0.17	100.00	11.49	11.72
Haryana	26.67	7.16	11.10	13.30	16.47	10.45	8.31	3.59	1.64	0.98	0.33	100.00	5.62	5.61
Himachal Pradesh	28.70	5.36	11.46	14.21	17.15	10.67	8.48	3.03	0.89	0.09	0.00	100.00	1.21	1.33
Jammu & Kashmir	44.14	6.31	8.96	13.61	10.84	6.86	7.08	1.99	0.22	0.00	0.11	100.00	0.47	0.45
Jharkhand	44.55	9.17	13.26	10.85	9.81	4.36	4.13	1.09	1.14	0.36	1.27	100.00	1.21	1.19
Karnataka	29.54	10.93	11.49	10.33	12.35	8.18	8.14	3.85	2.68	1.10	1.43	100.00	6.75	6.79
Kerala	47.36	8.64	9.64	8.73	9.14	5.56	5.81	2.47	1.65	0.97	0.03	100.00	1.94	1.94
Madhya Pradesh	33.95	11.06	11.35	12.27	11.76	8.42	5.92	2.07	2.23	0.75	0.22	100.00	2.24	2.36
Maharashtra	25.58	8.10	10.64	13.68	15.77	10.67	9.22	3.87	1.65	0.69	0.12	100.00	11.55	12.84
Manipur	31.15	12.57	12.57	22.40	15.30	5.46	0.00	0.00	0.00	0.55	0.00	100.00	0.06	0.06
Meghalaya	34.43	11.48	15.57	9.02	9.02	5.74	9.02	5.74	0.00	0.00	0.00	100.00	0.09	0.08
Nagaland	45.34	9.94	11.80	8.07	18.01	6.21	0.00	0.62	0.00	0.00	0.00	100.00	0.04	0.04
Odisha	56.49	7.98	10.21	6.81	6.96	4.38	3.01	1.92	0.82	0.63	0.78	100.00	1.87	1.78
Puducherry	38.61	6.09	8.52	10.96	10.78	10.78	8.00	5.22	0.87	0.35	0.00	100.00	0.33	0.34
Punjab	32.65	9.61	15.05	16.82	13.27	6.18	3.62	1.58	0.72	0.48	0.01	100.00	4.71	4.57
Rajasthan	43.01	8.50	10.02	12.28	11.68	6.39	5.13	1.34	0.97	0.42	0.24	100.00	3.54	3.57
Sikkim	10.67	4.00	4.00	12.00	18.67	18.67	16.00	6.67	9.33	0.00	0.00	100.00	0.13	0.13
Tamilnadu	33.74	7.96	9.99	12.19	12.21	9.78	7.28	3.07	1.66	1.40	0.70	100.00	17.30	16.35
Telangana	64.01	6.45	6.74	6.32	6.07	4.65	2.92	1.40	0.70	0.53	0.21	100.00	5.35	4.98
Tripura	51.74	2.78	3.13	5.03	15.63	19.27	2.43	0.00	0.00	0.00	0.00	100.00	0.19	0.17
Uttar Pradesh	30.82	9.53	11.70	13.98	12.18	10.54	7.48	2.15	1.17	0.41	0.04	100.00	6.82	6.81
Uttrakhand	17.11	7.23	10.27	11.91	13.27	17.79	15.19	4.76	1.56	0.60	0.36	100.00	2.84	2.79
West Bengal	36.35	10.20	12.32	11.62	11.47	8.28	5.13	2.20	1.27	0.91	0.23	100.00	4.27	4.28
All India	38.35	8.65	10.35	11.39	11.85	8.29	6.26	2.48	1.29	0.74	0.36	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. The range of capital defined in Statement 15A and 15B is as per the definition of MSME for Manufacturing Sector in Micro, Small and Medium Enterprises Development Act (MSME), 2006. Statement 15B shows that the factories with an investment in plant and machinery upto ₹ 5 crore, account for 84.20% of the total factories which have operated during 2017-18. While these factories share 8.75% of total fixed capital to work with, they provide gainful employment to 40.96 % of the total persons engaged. Their contribution to the total output and net value added by manufacture are 21.66% and 18.48% respectively. As against this, the operational factories, with gross investment in plant and machinery of ₹ 10 crores & above, are very few (11.33%) in number, account for about 89.22 % of total fixed capital, 52.48% of total persons engaged, 73.50% of the gross output and 76.89% of the total net value added by manufacture.

Statement 15A: Principal Characteristics by Size of Capital

Capital Range (₹ Lakh)*	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	129409	19339494	36946846	35392310	3696605	4529334	3837027	6748763
25 -- 500	35257	9409133	18634082	19148937	1355534	1865603	1851291	4324697
500 -- 1000	8751	6664235	11725666	12421829	791162	1025704	1117803	2389799
1000 & above	22167	293176065	325694223	379131404	6381121	8193978	12473944	28372457
Total	195584	328588927	393000817	446094480	12224422	15614619	19280066	41835716

Capital Range (₹ Lakh)*	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	93127438	108940429	15812991	2189089	13623903	374054	1986599
25 -- 500	55837029	65867537	10030508	930285	9100223	300143	1131006
500 -- 1000	32731911	39128141	6396230	701570	5694660	128643	714850
1000 & above	478823838	593281151	114457313	19908681	94548632	1344523	14935924
Total	660520215	807217258	146697043	23729624	122967418	2147363	18768379

* In terms of Gross Value of Plant and Machinery

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

Capital Range (₹ Lakh)*	Factories in Operation	Fixed Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers	Total Emoluments
Upto 25	66.17	5.89	9.40	7.93	30.24	29.01	19.90	16.13
25 -- 500	18.03	2.86	4.74	4.29	11.09	11.95	9.60	10.34
500 -- 1000	4.47	2.03	2.98	2.78	6.47	6.57	5.80	5.71
1000 & above	11.33	89.22	82.87	84.99	52.20	52.48	64.70	67.82
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Capital Range (₹ Lakh)*	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
Upto 25	14.10	13.50	10.78	9.23	11.08	17.42	10.58
25 -- 500	8.45	8.16	6.84	3.92	7.40	13.98	6.03
500 -- 1000	4.96	4.85	4.36	2.96	4.63	5.99	3.81
1000 & above	72.49	73.50	78.02	83.90	76.89	62.61	79.58
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 29.64% of the operating factories, that produce gross output up to one crore, share 1.88% of fixed capital, provide employment to 4.44% of total persons engaged, pay emoluments to the extent of 1.32% of total emoluments, contribute 0.24% to the total output. About 33.99% of the operating factories, producing gross output of more than ₹ 10 crores, consume 94.78% of fixed capital, provide 81.56% of total employment and pay 90.86% of total emoluments. This group of factories contributes about 96.43% of total output and 95.96% 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	28371	4282584	4119470	4620633	72165	113307	54552	105125
25 --- 50	10744	878199	308851	1083365	126307	156045	81983	119836
50 -- 100	18859	1011093	1407537	1504790	354754	422382	230988	327940
100 -- 200	22041	1989348	2874004	2931001	401115	497064	355584	550704
200 -- 500	28208	3867724	5815263	6017291	637794	812259	678867	1192825
500 -- 1000	20883	5155110	6878272	8052323	685193	878869	820069	1525064
1000 -- 2000	19497	8936249	12124933	13642162	970584	1245360	1207664	2409705
2000 -- 5000	20745	19109825	26928387	28856028	1642578	2108226	2218083	4516084
5000 -- 10000	10430	17767614	24974163	28013696	1426176	1818963	2062964	4309368
10000 -- 50000	12110	59249135	78744805	90342870	3317206	4181221	5162973	11328266
50000 & above	3696	206342046	228825131	261030321	2590549	3380925	6406337	15450799
Total	195584	328588927	393000817	446094480	12224422	15614619	19280066	41835716

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	148619	134163	-14455	273554	-288010	6298	91920
25 --- 50	263122	401813	138691	62796	75895	6498	107684
50 -- 100	898207	1393841	495634	89114	406520	14152	53720
100 -- 200	2295876	3164022	868146	183906	684241	28725	153262
200 -- 500	6999134	9084678	2085544	378817	1706728	66675	308947
500 -- 1000	11770594	14660347	2889753	507122	2382631	86288	432189
1000 -- 2000	21714833	26538316	4823483	843332	3980152	124104	786163
2000 -- 5000	51093447	61028561	9935113	1812334	8122779	227746	1570127
5000 -- 10000	53316812	63709055	10392243	1798544	8593699	228734	1500912
10000 -- 50000	157420095	190342714	32922618	5138148	27784470	587823	3957809
50000 & above	354599476	436759748	82160273	12641957	69518315	770320	9805646
Total	660520215	807217258	146697043	23729624	122967418	2147363	18768379

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

<i>Total Output (₹ Lakhs)</i>	<i>Factories in Operation</i>	<i>Fixed Capital</i>	<i>Productive Capital</i>	<i>Invested Capital</i>	<i>Workers</i>	<i>Total Persons Engaged</i>	<i>Wages to Workers</i>	<i>Total Emoluments</i>
Upto 25	14.51	1.30	1.05	1.04	0.59	0.73	0.28	0.25
25 --- 50	5.49	0.27	0.08	0.24	1.03	1.00	0.43	0.29
50 -- 100	9.64	0.31	0.36	0.34	2.90	2.71	1.20	0.78
100 -- 200	11.27	0.61	0.73	0.66	3.28	3.18	1.84	1.32
200 -- 500	14.42	1.18	1.48	1.35	5.22	5.20	3.52	2.85
500 -- 1000	10.68	1.57	1.75	1.81	5.61	5.63	4.25	3.65
1000 -- 2000	9.97	2.72	3.09	3.06	7.94	7.98	6.26	5.76
2000 -- 5000	10.61	5.82	6.85	6.47	13.44	13.50	11.50	10.79
5000 -- 10000	5.33	5.41	6.35	6.28	11.67	11.65	10.70	10.30
10000 -- 50000	6.19	18.03	20.04	20.25	27.14	26.78	26.78	27.08
50000 & above	1.89	62.80	58.23	58.51	21.19	21.65	33.23	36.93
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

<i>Total Output (₹ Lakhs)</i>	<i>Total Input</i>	<i>Total Output</i>	<i>Gross Value Added</i>	<i>Depreciation</i>	<i>Net Value Added</i>	<i>Rent Paid for Fixed Assets</i>	<i>Interest Paid</i>
Upto 25	0.02	0.02	-0.01	1.15	-0.23	0.29	0.49
25 --- 50	0.04	0.05	0.09	0.26	0.06	0.30	0.57
50 -- 100	0.14	0.17	0.34	0.38	0.33	0.66	0.29
100 -- 200	0.35	0.39	0.59	0.78	0.56	1.34	0.82
200 -- 500	1.06	1.13	1.42	1.60	1.39	3.10	1.65
500 -- 1000	1.78	1.82	1.97	2.14	1.94	4.02	2.30
1000 -- 2000	3.29	3.29	3.29	3.55	3.24	5.78	4.19
2000 -- 5000	7.74	7.56	6.77	7.64	6.61	10.61	8.37
5000 -- 10000	8.07	7.89	7.08	7.58	6.99	10.65	8.00
10000 -- 50000	23.83	23.58	22.44	21.65	22.59	27.37	21.09
50000 & above	53.68	54.11	56.01	53.27	56.53	35.87	52.25
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 14.55% of the operating factories, each with less than ₹ 2.5 Lakhs of net value added, share about 17.02% of total fixed capital, provide gainful employment to 5.10% of total persons engaged of the factory sector, disburse 5.74 % of the emoluments. These units, consuming about 6.83% of total input, are found to produce 5.33% of total output. On the other hand, about 10.10% of the operating factories, each contributing at least ₹ 10 crores of net value added, possess 70.41% of the total fixed capital. They have 54.84% of total persons engaged, taking away 68.65% of the total salary/wage bill in terms of emoluments and produce 72.45% of total output after consuming 69.60% 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	28450	55915135	46021041	64846736	582714	796345	1043633	2400718
2.5 --- 5	4416	118432	164476	177558	18479	27392	13001	19447
5 ---- 10	9771	299965	541113	517252	56017	78256	42049	66009
10 ---- 20	17457	843032	1476877	1472043	150237	199902	120011	187447
20 ---- 50	35955	2627150	4406001	4751061	617691	771884	489406	774427
50 ----100	26299	3618954	6007616	6783803	664281	833752	632838	1082594
100----200	20921	5586524	9517702	10093775	789724	1001569	889029	1650475
200----500	21492	12443078	18809502	21114103	1385705	1761858	1761813	3452659
500----1000	11074	15790687	22940959	24499087	1239460	1580341	1693945	3483122
1000---5000	13818	46886600	66367709	71953987	3115481	3932814	4788551	10009359
5000& above	5931	184459371	216747821	239885074	3604633	4630506	7805788	18709459
Total	195584	328588927	393000817	446094480	12224422	15614619	19280066	41835716

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	45106749	43004595	-2102154	3830136	-5932290	152762	3373030
2.5 --- 5	177563	205196	27634	10698	16936	1595	6120
5 ---- 10	654354	756236	101883	28923	72960	3489	15369
10 ---- 20	2177289	2515765	338475	79725	258750	9912	56054
20 ---- 50	9502263	10945919	1443656	260122	1183534	34445	256056
50 ----100	16389242	18607260	2218018	373438	1844579	61427	397575
100----200	25731820	29214946	3483126	577762	2905363	86509	612630
200----500	51845632	59569699	7724067	1285427	6438640	173256	1278793
500----1000	49239883	57587943	8348060	1398850	6949210	172119	1183303
1000---5000	131088593	158185246	27096653	3917889	23178764	494017	3000209
5000& above	328606826	426624452	98017626	11966653	86050973	957831	8589240
Total	660520215	807217258	146697043	23729624	122967418	2147363	18768379

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

NVA Range (Rs. Lakhs)	Factories in Operation	Fixed Capital	Productive Capital	Invested Capital	Workers	Total Persons Engaged	Wages to Workers	Total Emoluments
Upto 2.5	14.55	17.02	11.71	14.54	4.77	5.10	5.41	5.74
2.5 --- 5	2.26	0.04	0.04	0.04	0.15	0.18	0.07	0.05
5 ---- 10	5.00	0.09	0.14	0.12	0.46	0.50	0.22	0.16
10 ---- 20	8.93	0.26	0.38	0.33	1.23	1.28	0.62	0.45
20 ---- 50	18.38	0.80	1.12	1.07	5.05	4.94	2.54	1.85
50 ----100	13.45	1.10	1.53	1.52	5.43	5.34	3.28	2.59
100----200	10.70	1.70	2.42	2.26	6.46	6.41	4.61	3.95
200----500	10.99	3.79	4.79	4.73	11.34	11.28	9.14	8.25
500----1000	5.66	4.81	5.84	5.49	10.14	10.12	8.79	8.33
1000---5000	7.07	14.27	16.89	16.13	25.49	25.19	24.84	23.93
5000& above	3.03	56.14	55.15	53.77	29.49	29.65	40.49	44.72
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

NVA Range (Rs. Lakhs)	Total Input	Total Output	Gross Value Added	Depreciation	Net Value Added	Rent Paid for Fixed Assets	Interest Paid
Upto 2.5	6.83	5.33	-1.43	16.14	-4.82	7.11	17.97
2.5 --- 5	0.03	0.03	0.02	0.05	0.01	0.07	0.03
5 ---- 10	0.10	0.09	0.07	0.12	0.06	0.16	0.08
10 ---- 20	0.33	0.31	0.23	0.34	0.21	0.46	0.30
20 ---- 50	1.44	1.36	0.98	1.10	0.96	1.60	1.36
50 ----100	2.48	2.31	1.51	1.57	1.50	2.86	2.12
100----200	3.90	3.62	2.37	2.43	2.36	4.03	3.26
200----500	7.85	7.38	5.27	5.42	5.24	8.07	6.81
500----1000	7.45	7.13	5.69	5.89	5.65	8.02	6.30
1000---5000	19.85	19.60	18.47	16.51	18.85	23.01	15.99
5000& above	49.75	52.85	66.82	50.43	69.98	44.60	45.76
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 four 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 of 13.75%, whereas this industry is contributing to the highest proportion in respect to the total output in the states like Andhra Pradesh (26.28%), Delhi (42.58%),Karnataka(16.75%),Maharashtra(12.51%),MadhyaPradesh(25.24%),Punjab(20.80%),Rajasthan (14.91%) and Uttar Pradesh (23.38%).

Basic Metals (NIC: 24), the second highest in ranking in proportionate share of total output, accounts for 12.97% of the total output at all India level, whereas this industry accounts for the highest value of total output in Six States namely, Arunachal Pradesh (55.20%), Chhattisgarh (64.65%), Jharkhand (54.07%),Odisha (55.05%), Uttrakhand (17.12%) and West Bengal (22.08%).

The third contributing (11.89%) 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 (43.93%), Bihar(41.23%), Gujarat (26.14%) and Kerala (32.57%).

Chemicals and Chemical Products (NIC: 20) accounts for 8.19% of the all India output and is the fourth highest in proportional share of total of output. State-wise, this industry group contributes maximum to the total output of Jammu & Kashmir (21.35%).

Motor Vehicles, Trailers and Semi-Trailers (NIC: 29) accounts for 7.71% of the total output at all India level and among the State/UTs, it has the highest share of total output in Haryana (27.21%),Tamil Nadu (18.91%) .

**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		TOTAL	14328	100.00	1014	100.00
		TOTAL OF BELOW INDUSTRIES	13012	90.82	869	85.70
		OTHER INDUSTRIES	13012	90.82	869	85.70
Andhra Pradesh		TOTAL	31121259	100.00	4622072	100.00
		TOTAL OF BELOW INDUSTRIES	25776469	82.82	3567870	77.20
	10	FOOD PRODUCTS	8178190	26.28	879090	19.02
	24	BASIC METALS	4152381	13.34	625132	13.52
	19	COKE AND REFINED PETROLEUM PRODUCTS	3379370	10.86	335100	7.25
	26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	2475631	7.95	40116	0.87
	20	CHEMICALS AND CHEMICAL PRODUCTS	2265003	7.28	356689	7.72
	23	OTHER NON-METALLIC MINERAL PRODUCTS	2111185	6.78	607670	13.15
Arunachal Pradesh		TOTAL	99998	100.00	15791	100.00
		TOTAL OF BELOW INDUSTRIES	83204	83.21	12849	81.37
	24	BASIC METALS	55194	55.20	7407	46.91
	10	FOOD PRODUCTS	15911	15.91	4339	27.48
	11	BEVERAGES	12099	12.10	1103	6.98
Assam		TOTAL	6732646	100.00	1578019	100.00
		TOTAL OF BELOW INDUSTRIES	5748167	85.38	1330501	84.31
	19	COKE AND REFINED PETROLEUM PRODUCTS	2957756	43.93	549612	34.83
	10	FOOD PRODUCTS	1472921	21.88	293719	18.61
	20	CHEMICALS AND CHEMICAL PRODUCTS	789313	11.72	264491	16.76
Bihar		TOTAL	6002667	100.00	760466	100.00
		TOTAL OF BELOW INDUSTRIES	5233430	87.18	527883	69.42
	19	COKE AND REFINED PETROLEUM PRODUCTS	2475156	41.23	278458	36.62
	10	FOOD PRODUCTS	1481916	24.69	152114	20.00
	24	BASIC METALS	756538	12.60	29055	3.82
Chandigarh		TOTAL	486470	100.00	70746	100.00
		TOTAL OF BELOW INDUSTRIES	396168	81.44	54506	77.04
		OTHER INDUSTRIES	252561	51.92	31321	44.27
	24	BASIC METALS	80718	16.59	3684	5.21
	28	MACHINERY AND EQUIPMENT N.E.C.	62889	12.93	19501	27.56

**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	12560528	100.00	1956447	100.00
		TOTAL OF BELOW INDUSTRIES	10362730	82.50	1585717	81.04
	24	BASIC METALS	8120479	64.65	1272756	65.05
	10	FOOD PRODUCTS	1317876	10.49	111198	5.68
	23	OTHER NON-METALLIC MINERAL PRODUCTS	924375	7.36	201763	10.31
D&N Haveli		TOTAL	10831397	100.00	1692652	100.00
		TOTAL OF BELOW INDUSTRIES	8869232	81.88	1291213	76.28
	13	TEXTILES	3341763	30.85	293410	17.33
	24	BASIC METALS	3298812	30.46	660272	39.01
	27	ELECTRICAL EQUIPMENT	1222163	11.28	118933	7.03
20	CHEMICALS AND CHEMICAL PRODUCTS	1006494	9.29	218598	12.91	
Daman & Diu		TOTAL	4364063	100.00	893495	100.00
		TOTAL OF BELOW INDUSTRIES	3672507	84.14	735594	82.32
	22	RUBBER AND PLASTICS PRODUCTS	1339443	30.69	230254	25.77
	20	CHEMICALS AND CHEMICAL PRODUCTS	1043393	23.91	163344	18.28
	27	ELECTRICAL EQUIPMENT	533343	12.22	97078	10.86
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	317461	7.27	121015	13.54
	13	TEXTILES	220498	5.05	54996	6.16
26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	218369	5.00	68907	7.71	
Delhi		TOTAL	4655142	100.00	627434	100.00
		TOTAL OF BELOW INDUSTRIES	3730203	80.13	428072	68.21
	10	FOOD PRODUCTS	1982042	42.58	109549	17.46
	14	WEARING APPAREL	330599	7.10	85530	13.63
		OTHER INDUSTRIES	328249	7.05	92765	14.78
	27	ELECTRICAL EQUIPMENT	267122	5.74	37977	6.05
	26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	248723	5.34	48316	7.70
	20	CHEMICALS AND CHEMICAL PRODUCTS	225011	4.83	21407	3.41
	15	LEATHER AND RELATED PRODUCTS	193628	4.16	21799	3.47
	24	BASIC METALS	154829	3.33	10729	1.71
Goa		TOTAL	5044696	100.00	1545319	100.00
		TOTAL OF BELOW INDUSTRIES	4244848	84.15	1315006	85.11
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1595656	31.63	777154	50.29
	20	CHEMICALS AND CHEMICAL PRODUCTS	701225	13.90	137513	8.90
	27	ELECTRICAL EQUIPMENT	614256	12.18	106259	6.88
	24	BASIC METALS	420857	8.34	53274	3.45
	22	RUBBER AND PLASTICS PRODUCTS	376732	7.47	125725	8.14
	26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	283332	5.62	48033	3.11
	10	FOOD PRODUCTS	252790	5.01	67048	4.34

**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
Gujarat		TOTAL	135997115	100.00	22076691	100.00
		TOTAL OF BELOW INDUSTRIES	109038099	80.18	17050931	77.24
	19	COKE AND REFINED PETROLEUM PRODUCTS	35548353	26.14	6015296	27.25
	20	CHEMICALS AND CHEMICAL PRODUCTS	22062065	16.22	4499173	20.38
	10	FOOD PRODUCTS	12721161	9.35	800940	3.63
	24	BASIC METALS	11813564	8.69	1240093	5.62
	13	TEXTILES	9693228	7.13	1779324	8.06
		OTHER INDUSTRIES	6395864	4.70	884079	4.00
	32	OTHER MANUFACTURING	5736209	4.22	620662	2.81
28	MACHINERY AND EQUIPMENT N.E.C.	5067655	3.73	1211364	5.49	
Haryana		TOTAL	50333586	100.00	7215176	100.00
		TOTAL OF BELOW INDUSTRIES	41210747	81.87	5291205	73.34
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	13695674	27.21	2698547	37.40
	24	BASIC METALS	6256156	12.43	352977	4.89
	19	COKE AND REFINED PETROLEUM PRODUCTS	5261825	10.45	35114	0.49
	10	FOOD PRODUCTS	5061296	10.06	388563	5.39
	30	OTHER TRANSPORT EQUIPMENT	3502993	6.96	396895	5.50
	28	MACHINERY AND EQUIPMENT N.E.C.	2552593	5.07	559386	7.75
	13	TEXTILES	1702061	3.38	270583	3.75
	27	ELECTRICAL EQUIPMENT	1638141	3.25	317894	4.41
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	1540008	3.06	271246	3.76	
Himachal Pradesh		TOTAL	11291885	100.00	3325566	100.00
		TOTAL OF BELOW INDUSTRIES	9350180	82.81	2939322	88.38
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	2580300	22.85	1067171	32.09
	20	CHEMICALS AND CHEMICAL PRODUCTS	1722044	15.25	732011	22.01
	27	ELECTRICAL EQUIPMENT	1538129	13.62	243154	7.31
	24	BASIC METALS	750900	6.65	49002	1.47
	13	TEXTILES	738680	6.54	103687	3.12
		OTHER INDUSTRIES	644613	5.71	410637	12.35
	10	FOOD PRODUCTS	557620	4.94	131850	3.96
	17	PAPER AND PAPER PRODUCTS	452339	4.01	88395	2.66
23	OTHER NON-METALLIC MINERAL PRODUCTS	365555	3.24	113415	3.41	
Jammu & Kashmir		TOTAL	3288427	100.00	722033	100.00
		TOTAL OF BELOW INDUSTRIES	2807773	85.38	620682	85.94
	20	CHEMICALS AND CHEMICAL PRODUCTS	701986	21.35	211080	29.23
	10	FOOD PRODUCTS	652729	19.85	56422	7.81
	24	BASIC METALS	438729	13.34	28610	3.96
		OTHER INDUSTRIES	389739	11.85	156192	21.63
	22	RUBBER AND PLASTICS PRODUCTS	252526	7.68	44994	6.23
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	190768	5.80	96349	13.34
27	ELECTRICAL EQUIPMENT	181296	5.51	27035	3.74	

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
Jharkhand		TOTAL	14153289	100.00	3014979	100.00
	24	TOTAL OF BELOW INDUSTRIES	11701124	82.68	2421735	80.32
	29	BASIC METALS	7652088	54.07	1817177	60.27
		MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2107158	14.89	164061	5.44
		OTHER INDUSTRIES	1043251	7.37	246258	8.17
	19	COKE AND REFINED PETROLEUM PRODUCTS	898627	6.35	194239	6.44
Karnataka		TOTAL	52893789	100.00	10218358	100.00
	10	TOTAL OF BELOW INDUSTRIES	43578533	82.39	7475719	73.15
	24	FOOD PRODUCTS	8861162	16.75	1007762	9.86
	19	BASIC METALS	7048141	13.33	991741	9.71
	29	COKE AND REFINED PETROLEUM PRODUCTS	6214268	11.75	585272	5.73
	28	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	4783729	9.04	908622	8.89
	27	MACHINERY AND EQUIPMENT N.E.C.	3092721	5.85	880217	8.61
	32	ELECTRICAL EQUIPMENT	2361300	4.46	454158	4.44
	14	OTHER MANUFACTURING	2295089	4.34	39327	0.38
	30	WEARING APPAREL	2125392	4.02	777859	7.61
	21	OTHER TRANSPORT EQUIPMENT	2003156	3.79	585651	5.73
	20	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1742659	3.29	583503	5.71
	23	CHEMICALS AND CHEMICAL PRODUCTS	1600629	3.03	340167	3.33
		OTHER NON-METALLIC MINERAL PRODUCTS	1450287	2.74	321440	3.15
Kerala		TOTAL	16356600	100.00	2183550	100.00
	19	TOTAL OF BELOW INDUSTRIES	13349059	81.61	1407459	64.46
	10	COKE AND REFINED PETROLEUM PRODUCTS	5326990	32.57	462663	21.19
	32	FOOD PRODUCTS	3736478	22.84	322335	14.76
	22	OTHER MANUFACTURING	2035894	12.45	87314	4.00
	20	RUBBER AND PLASTICS PRODUCTS	1049171	6.41	204730	9.38
	13	CHEMICALS AND CHEMICAL PRODUCTS	818774	5.01	263532	12.07
		TEXTILES	381752	2.33	66885	3.06
Madhya Pradesh		TOTAL	25723164	100.00	4898592	100.00
	10	TOTAL OF BELOW INDUSTRIES	21164136	82.27	3827591	78.13
	19	FOOD PRODUCTS	6492557	25.24	449913	9.18
		COKE AND REFINED PETROLEUM PRODUCTS	2561450	9.96	321124	6.56
		OTHER INDUSTRIES	2556075	9.94	732068	14.94
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1912355	7.43	830522	16.95
	24	BASIC METALS	1876152	7.29	210958	4.31
	13	TEXTILES	1619126	6.29	394959	8.06
	20	CHEMICALS AND CHEMICAL PRODUCTS	1530984	5.95	349898	7.14
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	1359932	5.29	254263	5.19
22	RUBBER AND PLASTICS PRODUCTS	1255505	4.88	283886	5.80	

**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
Maharashtra		TOTAL	119971795	100.00	25863108	100.00
		TOTAL OF BELOW INDUSTRIES	96910073	80.77	20655053	79.88
	10	FOOD PRODUCTS	15013506	12.51	1887251	7.30
	19	COKE AND REFINED PETROLEUM PRODUCTS	13371460	11.15	4865368	18.81
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	12286341	10.24	2040187	7.89
	24	BASIC METALS	11619129	9.68	1579248	6.11
	20	CHEMICALS AND CHEMICAL PRODUCTS	10814777	9.01	2361059	9.13
	28	MACHINERY AND EQUIPMENT N.E.C.	9678462	8.07	2536302	9.81
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	5358731	4.47	1123840	4.35
	27	ELECTRICAL EQUIPMENT	4836896	4.03	1017701	3.93
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4806905	4.01	1680213	6.50
	22	RUBBER AND PLASTICS PRODUCTS	4633531	3.86	1032396	3.99
	32	OTHER MANUFACTURING	4490335	3.74	531488	2.06
Manipur		TOTAL	42083	100.00	10258	100.00
		TOTAL OF BELOW INDUSTRIES	37893	90.05	9133	89.03
	23	OTHER NON-METALLIC MINERAL PRODUCTS	21086	50.11	7042	68.65
	10	FOOD PRODUCTS	8682	20.63	1580	15.40
Meghalaya		TOTAL	568899	100.00	164679	100.00
		TOTAL OF BELOW INDUSTRIES	483398	84.97	148920	90.43
	23	OTHER NON-METALLIC MINERAL PRODUCTS	328019	57.66	121729	73.92
	24	BASIC METALS	121875	21.42	16106	9.78
Nagaland		TOTAL	54104	100.00	14487	100.00
		TOTAL OF BELOW INDUSTRIES	49558	91.60	12121	83.67
	16	WOOD AND PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; ARTICLES OF STRAW AND PLAITING MATERIALS	28181	52.09	10307	71.15
		OTHER INDUSTRIES	10893	20.13	1052	7.26
	10	FOOD PRODUCTS	10484	19.38	762	5.26
Odisha		TOTAL	22997037	100.00	4101582	100.00
		TOTAL OF BELOW INDUSTRIES	19328511	84.05	3296192	80.36
	24	BASIC METALS	12660959	55.05	2540965	61.95
	19	COKE AND REFINED PETROLEUM PRODUCTS	4115824	17.90	445561	10.86
		OTHER INDUSTRIES	1323599	5.76	228225	5.56
	ELECTRICAL EQUIPMENT	1228129	5.34	81441	1.99	

**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
Puducherry		TOTAL	3069202	100.00	560994	100.00
		TOTAL OF BELOW INDUSTRIES	2467432	80.40	406903	72.53
	26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	877564	28.59	60327	10.75
	20	CHEMICALS AND CHEMICAL PRODUCTS	463889	15.11	179677	32.03
	22	RUBBER AND PLASTICS PRODUCTS	346060	11.28	36665	6.54
	10	FOOD PRODUCTS	258052	8.41	38329	6.83
	24	BASIC METALS	224224	7.31	11552	2.06
	27	ELECTRICAL EQUIPMENT	160148	5.22	37863	6.75
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	137495	4.48	42490	7.57	
Punjab		TOTAL	21210410	100.00	3154291	100.00
		TOTAL OF BELOW INDUSTRIES	17524404	82.61	2363806	74.94
	10	FOOD PRODUCTS	4412327	20.80	450075	14.27
	13	TEXTILES	2912433	13.73	345635	10.96
	24	BASIC METALS	2865732	13.51	192263	6.10
	28	MACHINERY AND EQUIPMENT N.E.C.	1731022	8.16	443933	14.07
	30	OTHER TRANSPORT EQUIPMENT	1428068	6.73	241008	7.64
		OTHER INDUSTRIES	1044590	4.92	102751	3.26
	20	CHEMICALS AND CHEMICAL PRODUCTS	895038	4.22	164390	5.21
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	802685	3.78	147018	4.66
	14	WEARING APPAREL	794455	3.75	151794	4.81
	17	PAPER AND PAPER PRODUCTS	638054	3.01	124939	3.96
Rajasthan		TOTAL	29745019	100.00	5178733	100.00
		TOTAL OF BELOW INDUSTRIES	24218896	81.43	4018329	77.60
	10	FOOD PRODUCTS	4433582	14.91	260306	5.03
	23	OTHER NON-METALLIC MINERAL PRODUCTS	3382554	11.37	957558	18.49
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	3137685	10.55	531569	10.26
	13	TEXTILES	2898025	9.74	487620	9.42
	24	BASIC METALS	2683251	9.02	275910	5.33
	20	CHEMICALS AND CHEMICAL PRODUCTS	2443874	8.22	336071	6.49
	27	ELECTRICAL EQUIPMENT	2069334	6.96	271408	5.24
	22	RUBBER AND PLASTICS PRODUCTS	1114926	3.75	217028	4.19
		OTHER INDUSTRIES	1038685	3.49	356286	6.88
	28	MACHINERY AND EQUIPMENT N.E.C.	1016980	3.42	324573	6.27

**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
Sikkim		TOTAL	1836037	100.00	1141644	100.00
		TOTAL OF BELOW INDUSTRIES	1639452	89.29	1056021	92.50
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1639452	89.29	1056021	92.50
Tamilnadu		TOTAL	86380870	100.00	16408288	100.00
		TOTAL OF BELOW INDUSTRIES	69694419	80.68	12327055	75.13
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	16338355	18.91	2559051	15.60
	10	FOOD PRODUCTS	9603555	11.12	1222215	7.45
	13	TEXTILES	9242284	10.70	1515573	9.24
	28	MACHINERY AND EQUIPMENT N.E.C.	7163063	8.29	1794581	10.94
	19	COKE AND REFINED PETROLEUM PRODUCTS	5258831	6.09	797154	4.86
	24	BASIC METALS	5100405	5.90	510777	3.11
	14	WEARING APPAREL	4417520	5.11	1030584	6.28
	20	CHEMICALS AND CHEMICAL PRODUCTS	3610434	4.18	950622	5.79
	22	RUBBER AND PLASTICS PRODUCTS	3080438	3.57	642397	3.92
26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	3005202	3.48	571726	3.48	
25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	2874332	3.33	732375	4.46	
Telangana		TOTAL	22240202	100.00	4716697	100.00
		TOTAL OF BELOW INDUSTRIES	18204733	81.84	3913419	82.97
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	4158479	18.70	1522779	32.28
	10	FOOD PRODUCTS	2945542	13.24	390903	8.29
	23	OTHER NON-METALLIC MINERAL PRODUCTS	2180265	9.80	413936	8.78
	01	CROP AND ANIMAL PRODUCTION, HUNTING AND RELATED SERVICE ACTIVITIES	1410454	6.34	179251	3.80
	27	ELECTRICAL EQUIPMENT	1399924	6.29	241265	5.12
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	1394371	6.27	270923	5.74
		OTHER INDUSTRIES	1329569	5.98	358689	7.60
	24	BASIC METALS	1286402	5.78	122549	2.60
	22	RUBBER AND PLASTICS PRODUCTS	1225327	5.51	228677	4.85
20	CHEMICALS AND CHEMICAL PRODUCTS	874400	3.93	184447	3.91	
Tripura		TOTAL	155929	100.00	35358	100.00
		TOTAL OF BELOW INDUSTRIES	126299	81.00	30928	87.47
	23	OTHER NON-METALLIC MINERAL PRODUCTS	42482	27.24	17998	50.90
	10	FOOD PRODUCTS	42327	27.15	8598	24.32
	22	RUBBER AND PLASTICS PRODUCTS	21373	13.71	2201	6.22
	OTHER INDUSTRIES	20117	12.90	2131	6.03	

**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
Uttar Pradesh		TOTAL	51463543	100.00	8431099	100.00
		TOTAL OF BELOW INDUSTRIES	41223285	80.11	6376844	75.63
	10	FOOD PRODUCTS	12030679	23.38	1151077	13.65
	26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	6252102	12.15	830286	9.85
	20	CHEMICALS AND CHEMICAL PRODUCTS	3813975	7.41	728207	8.64
	24	BASIC METALS	3674504	7.14	426101	5.05
	19	COKE AND REFINED PETROLEUM PRODUCTS	3539390	6.88	484007	5.74
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2363570	4.59	375653	4.46
		OTHER INDUSTRIES	2264510	4.40	642805	7.62
	22	RUBBER AND PLASTICS PRODUCTS	1758457	3.42	241110	2.86
	28	MACHINERY AND EQUIPMENT N.E.C.	1495230	2.91	363738	4.31
	23	OTHER NON-METALLIC MINERAL PRODUCTS	1429068	2.78	322359	3.82
14	WEARING APPAREL	1318632	2.56	361382	4.29	
12	TOBACCO PRODUCTS	1283168	2.49	450119	5.34	
Uttarakhand		TOTAL	23618613	100.00	4976720	100.00
		TOTAL OF BELOW INDUSTRIES	19940261	84.42	4005963	80.49
	24	BASIC METALS	4043632	17.12	670497	13.47
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	2972070	12.58	598671	12.03
	30	OTHER TRANSPORT EQUIPMENT	2205134	9.34	493902	9.92
	20	CHEMICALS AND CHEMICAL PRODUCTS	2064430	8.74	591227	11.88
	27	ELECTRICAL EQUIPMENT	1834250	7.77	333056	6.69
	10	FOOD PRODUCTS	1619908	6.86	216490	4.35
	22	RUBBER AND PLASTICS PRODUCTS	1396805	5.91	274975	5.53
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	1365824	5.78	353599	7.11
	28	MACHINERY AND EQUIPMENT N.E.C.	1330460	5.63	383321	7.70
	32	OTHER MANUFACTURING	1107748	4.69	90225	1.81
West Bengal		TOTAL	31912464	100.00	4520706	100.00
		TOTAL OF BELOW INDUSTRIES	25755355	80.70	3189769	70.56
	24	BASIC METALS	7045095	22.08	824807	18.25
	10	FOOD PRODUCTS	6227627	19.51	498753	11.03
	19	COKE AND REFINED PETROLEUM PRODUCTS	3576769	11.21	271473	6.01
	20	CHEMICALS AND CHEMICAL PRODUCTS	3278063	10.27	501561	11.09
	27	ELECTRICAL EQUIPMENT	2199179	6.89	342598	7.58
	13	TEXTILES	1484930	4.65	363006	8.03
	22	RUBBER AND PLASTICS PRODUCTS	1047120	3.28	131546	2.91
	23	OTHER NON-METALLIC MINERAL PRODUCTS	896572	2.81	256025	5.66

**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
All India		TOTAL	807217258	100.00	146697043	100.00
		TOTAL OF BELOW INDUSTRIES	654933703	81.14	115805713	78.95
	10	FOOD PRODUCTS	110989863	13.75	11123096	7.58
	24	BASIC METALS	104670455	12.97	14556713	9.92
	19	COKE AND REFINED PETROLEUM PRODUCTS	95941671	11.89	15910666	10.85
	20	CHEMICALS AND CHEMICAL PRODUCTS	66149864	8.19	14416261	9.83
	29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	62250066	7.71	10411207	7.10
	13	TEXTILES	41912041	5.19	7135269	4.86
	28	MACHINERY AND EQUIPMENT N.E.C.	36717299	4.55	9255645	6.31
	27	ELECTRICAL EQUIPMENT	30738609	3.81	5363196	3.66
	21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	28501422	3.53	10218233	6.97
	23	OTHER NON-METALLIC MINERAL PRODUCTS	27987791	3.47	7660779	5.22
	22	RUBBER AND PLASTICS PRODUCTS	27928238	3.46	5373872	3.66
	25	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT	21146384	2.62	4380776	2.99

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 State/UTs contributing at least 80% of the total output within the major industry divisions of manufacturing sector. Within each such industry division, State/UTs have been ranked based on their relative contributions to the total output of that industry. From Statement 19, it is clearly seen that, in Cotton Ginning, Cleaning, Bailing(01632) and Seed Processing for Propagation (01640) (NIC: 01), Gujarat, Maharashtra and Telangana are the top three important contributors to the total output. These three States together accounted for 71.58% of the total output for the industry. Maharashtra, Gujarat and Uttar Pradesh are the top contributors in the Food industry (NIC: 10) by contributing 35.83% of total output of that industry. In the case of Coke and Refined Petroleum Products (NIC: 19), Gujarat, Maharashtra and Karnataka are the top three contributors to total output, accounting for 57.47% taken together. The major contributors for Chemicals and Chemical Products (NIC: 20) are Gujarat, Maharashtra and Uttar Pradesh and these states accounted 55.47% of total output of that industry. In Basic Metals (NIC: 24), the major states are Odisha , Gujarat and Maharashtra by capturing 34.49% of total output of that industry. In Motor Vehicles, Trailers and Semi-Trailers (NIC: 29) industry, the top three States are Tamilnadu, Haryana and Maharashtra capturing 67.99 % 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)**

Section 12

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	7818781	100.00	467640	100.00
		TOTAL OF BELOW STATE/UTs	6570284	84.03	391063	83.63
		Gujarat	2379145	30.43	59241	12.67
		Maharashtra	1807044	23.11	87224	18.65
		Telangana	1410454	18.04	179251	38.33
		Andhra Pradesh	557687	7.13	37959	8.12
		Karnataka	415954	5.32	27388	5.86
08	SALT PRODUCTION BY EVAPORATION OF SEA WATER OR OTHER SALINE WATERS (08932)	All India	94040	100.00	42216	100.00
		TOTAL OF BELOW STATE/UTs	79934	85.00	34026	80.60
		Gujarat	79934	85.00	34026	80.60
10	FOOD PRODUCTS	All India	110989863	100.00	11123096	100.00
		TOTAL OF BELOW STATE/UTs	93035642	83.82	8995945	80.87
		Maharashtra	15013506	13.53	1887251	16.97
		Gujarat	12721161	11.46	800940	7.20
		Uttar Pradesh	12030679	10.84	1151077	10.35
		Tamilnadu	9603555	8.65	1222215	10.99
		Karnataka	8861162	7.98	1007762	9.06
		Andhra Pradesh	8178190	7.37	879090	7.90
		Madhya Pradesh	6492557	5.85	449913	4.04
		West Bengal	6227627	5.61	498753	4.48
		Haryana	5061296	4.56	388563	3.49
		Rajasthan	4433582	3.99	260306	2.34
		Punjab	4412327	3.98	450075	4.05
11	BEVERAGES	All India	7656224	100.00	1941643	100.00
		TOTAL OF BELOW STATE/UTs	6167230	80.55	1575649	81.15
		Maharashtra	1167203	15.25	512845	26.41
		Uttar Pradesh	983265	12.84	294183	15.15
		West Bengal	600454	7.84	104776	5.40
		Karnataka	596286	7.79	125609	6.47
		Andhra Pradesh	548400	7.16	100291	5.17
		Haryana	480227	6.27	95017	4.89
		Telangana	471253	6.16	96948	4.99
		Punjab	448641	5.86	84990	4.38
		Tamilnadu	448008	5.85	64744	3.33
		Rajasthan	423493	5.53	96246	4.96

**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	4381051	100.00	1709660	100.00
		TOTAL OF BELOW STATE/UTs	3577973	81.68	1407600	82.34
		Uttar Pradesh	1283168	29.29	450119	26.33
		Karnataka	723670	16.52	496333	29.03
		West Bengal	426689	9.74	59627	3.49
		Gujarat	342917	7.83	54513	3.19
		Maharashtra	335005	7.65	191814	11.22
		Telangana	267948	6.12	135686	7.94
	Andhra Pradesh	198576	4.53	19508	1.14	
13	TEXTILES	All India	41912041	100.00	7135269	100.00
		TOTAL OF BELOW STATE/UTs	33621327	80.21	5417136	75.91
		Gujarat	9693228	23.13	1779324	24.94
		Tamilnadu	9242284	22.05	1515573	21.24
		Maharashtra	3831533	9.14	724991	10.16
		Dadra and Nagar Have	3341763	7.97	293410	4.11
		Punjab	2912433	6.95	345635	4.84
		Rajasthan	2898025	6.91	487620	6.83
	Haryana	1702061	4.06	270583	3.79	
14	WEARING APPAREL	All India	13199683	100.00	3510562	100.00
		TOTAL OF BELOW STATE/UTs	10974841	83.15	2906066	82.78
		Tamilnadu	4417520	33.47	1030584	29.36
		Karnataka	2125392	16.10	777859	22.16
		Uttar Pradesh	1318632	9.99	361382	10.29
		Haryana	1254683	9.51	333778	9.51
		Maharashtra	1064159	8.06	250669	7.14
			Punjab	794455	6.02	151794
15	LEATHER AND RELATED PRODUCTS	All India	5531381	100.00	1222478	100.00
		TOTAL OF BELOW STATE/UTs	4542992	82.12	988203	80.84
		Tamilnadu	1567730	28.34	401921	32.88
		Uttar Pradesh	1263210	22.84	258987	21.19
		Haryana	756336	13.67	148537	12.15
		West Bengal	588701	10.64	120990	9.90
		Delhi	193628	3.50	21799	1.78
	Kerala	173387	3.13	35969	2.94	

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	2229374	100.00	428687	100.00
		TOTAL OF BELOW STATE/UTs	1838354	82.44	359493	83.85
		Gujarat	308623	13.84	44680	10.42
		West Bengal	287154	12.88	61880	14.43
		Uttarakhand	199351	8.94	68366	15.95
		Uttar Pradesh	186033	8.34	47308	11.04
		Haryana	170856	7.66	19670	4.59
		Maharashtra	168341	7.55	28777	6.71
		Rajasthan	162377	7.28	22642	5.28
		Kerala	142041	6.37	22508	5.25
		Tamilnadu	134369	6.03	26857	6.26
Karnataka	79209	3.55	16805	3.92		
17	PAPER AND PAPER PRODUCTS	All India	11338867	100.00	2166070	100.00
		TOTAL OF BELOW STATE/UTs	9197612	81.12	1742094	80.43
		Maharashtra	1759263	15.52	454910	21.00
		Gujarat	1622591	14.31	244136	11.27
		Uttar Pradesh	1189110	10.49	141441	6.53
		Tamilnadu	1120235	9.88	201784	9.32
		Punjab	638054	5.63	124939	5.77
		Uttarakhand	636094	5.61	144739	6.68
		Karnataka	618374	5.45	129733	5.99
		Telangana	590967	5.21	130368	6.02
		Haryana	544439	4.80	93447	4.31
Andhra Pradesh	478485	4.22	76597	3.54		
18	PRINTING AND REPRODUCTION OF RECORDED MEDIA	All India	4168079	100.00	1260232	100.00
		TOTAL OF BELOW STATE/UTs	3438276	82.48	1050733	83.37
		Maharashtra	963361	23.11	284015	22.54
		Uttar Pradesh	609707	14.63	207829	16.49
		Tamilnadu	429917	10.31	114334	9.07
		Gujarat	398984	9.57	133875	10.62
		Karnataka	323098	7.75	91855	7.29
		Kerala	208341	5.00	90753	7.20
		Telangana	202986	4.87	48600	3.86
		Haryana	157907	3.79	36588	2.90
		West Bengal	143975	3.45	42884	3.40

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	95941671	100.00	15910666	100.00
		TOTAL OF BELOW STATE/UTs	78674320	82.00	13477901	84.72
		Gujarat	35548353	37.05	6015296	37.81
		Maharashtra	13371460	13.94	4865368	30.58
		Karnataka	6214268	6.48	585272	3.68
		Kerala	5326990	5.55	462663	2.91
		Haryana	5261825	5.48	35114	0.22
		Tamilnadu	5258831	5.48	797154	5.01
		Odisha	4115824	4.29	445561	2.80
		West Bengal	3576769	3.73	271473	1.71
20	CHEMICALS AND CHEMICAL PRODUCTS	All India	66149864	100.00	14416261	100.00
		TOTAL OF BELOW STATE/UTs	53675294	81.14	11396787	79.05
		Gujarat	22062065	33.35	4499173	31.21
		Maharashtra	10814777	16.35	2361059	16.38
		Uttar Pradesh	3813975	5.77	728207	5.05
		Tamilnadu	3610434	5.46	950622	6.59
		West Bengal	3278063	4.96	501561	3.48
		Rajasthan	2443874	3.69	336071	2.33
		Andhra Pradesh	2265003	3.42	356689	2.47
		Uttrakhand	2064430	3.12	591227	4.10
		Himachal Pradesh	1722044	2.60	732011	5.08
Karnataka	1600629	2.42	340167	2.36		
21	PHARMACEUTICALS, MEDICINAL CHEMICAL AND BOTANICAL PRODUCTS	All India	28501422	100.00	10218233	100.00
		TOTAL OF BELOW STATE/UTs	23847958	83.66	8865708	86.75
		Maharashtra	4806905	16.87	1680213	16.44
		Telangana	4158479	14.59	1522779	14.90
		Gujarat	4113784	14.43	1323498	12.95
		Himachal Pradesh	2580300	9.05	1067171	10.44
		Andhra Pradesh	1844899	6.47	501770	4.91
		Karnataka	1742659	6.11	583503	5.71
		Sikkim	1639452	5.75	1056021	10.33
		Goa	1595656	5.60	777154	7.61
Uttrakhand	1365824	4.79	353599	3.46		

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	27928238	100.00	5373872	100.00
		TOTAL OF BELOW STATE/UTs	22358937	80.07	4421870	82.28
		Maharashtra	4633531	16.59	1032396	19.21
		Gujarat	4159146	14.89	739050	13.75
		Tamilnadu	3080438	11.03	642397	11.95
		Uttar Pradesh	1758457	6.30	241110	4.49
		Uttrakhand	1396805	5.00	274975	5.12
		Karnataka	1346188	4.82	327367	6.09
		Daman and Diu	1339443	4.80	230254	4.28
		Madhya Pradesh	1255505	4.50	283886	5.28
		Telangana	1225327	4.39	228677	4.26
		Rajasthan	1114926	3.99	217028	4.04
		Kerala	1049171	3.76	204730	3.81
23	OTHER NON-METALLIC MINERAL PRODUCTS	All India	27987791	100.00	7660779	100.00
		TOTAL OF BELOW STATE/UTs	22969291	82.06	5970275	77.92
		Gujarat	4434300	15.84	917373	11.97
		Rajasthan	3382554	12.09	957558	12.5
		Tamilnadu	2505537	8.95	690918	9.02
		Telangana	2180265	7.79	413936	5.4
		Andhra Pradesh	2111185	7.54	607670	7.93
		Madhya Pradesh	1912355	6.83	830522	10.84
		Maharashtra	1742793	6.23	450711	5.88
		Karnataka	1450287	5.18	321440	4.2
		Uttar Pradesh	1429068	5.11	322359	4.21
		Chattisgarh	924375	3.3	201763	2.63
		West Bengal	896572	3.2	256025	3.34
24	BASIC METALS	All India	104670455	100.00	14556713	100.00
		TOTAL OF BELOW STATE/UTs	85512029	81.7	12426170	85.36
		Odisha	12660959	12.1	2540965	17.46
		Gujarat	11813564	11.29	1240093	8.52
		Maharashtra	11619129	11.1	1579248	10.85
		Chattisgarh	8120479	7.76	1272756	8.74
		Jharkhand	7652088	7.31	1817177	12.48
		West Bengal	7045095	6.73	824807	5.67
		Karnataka	7048141	6.73	991741	6.81
		Haryana	6256156	5.98	352977	2.42
		Tamilnadu	5100405	4.87	510777	3.51
		Andhra Pradesh	4152381	3.97	625132	4.29
		Uttrakhand	4043632	3.86	670497	4.61

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

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	21146384	100.00	4380776	100.00
		TOTAL OF BELOW STATE/UTs	17589257	83.16	3798825	86.7
		Maharashtra	5358731	25.34	1123840	25.65
		Tamilnadu	2874332	13.59	732375	16.72
		Gujarat	2356687	11.14	479208	10.94
		Haryana	1540008	7.28	271246	6.19
		Telangana	1394371	6.59	270923	6.18
		Karnataka	1223268	5.78	327888	7.48
		Uttar Pradesh	1137868	5.38	242875	5.54
		Rajasthan	901307	4.26	203452	4.64
	Punjab	802685	3.8	147018	3.36	
26	COMPUTER,ELECTRONIC AND OPTICAL PRODUCTS	All India	19946156	100.00	3235105	100.00
		TOTAL OF BELOW STATE/UTs	16080906	80.62	2332335	72.08
		Uttar Pradesh	6252102	31.34	830286	25.66
		Tamilnadu	3005202	15.07	571726	17.67
		Andhra Pradesh	2475631	12.41	40116	1.24
		Maharashtra	2032079	10.19	407366	12.59
		Karnataka	1438328	7.21	422514	13.06
		Puducherry	877564	4.40	60327	1.86
27	ELECTRICAL EQUIPMENT	All India	30738609	100.00	5363196	100.00
		TOTAL OF BELOW STATE/UTs	24918375	81.06	4338269	80.90
		Maharashtra	4836896	15.74	1017701	18.98
		Gujarat	2563840	8.34	437557	8.16
		Karnataka	2361300	7.68	454158	8.47
		West Bengal	2199179	7.15	342598	6.39
		Rajasthan	2069334	6.73	271408	5.06
		Tamilnadu	2018310	6.57	415679	7.75
		Uttrakhand	1834250	5.97	333056	6.21
		Haryana	1638141	5.33	317894	5.93
		Himachal Pradesh	1538129	5.00	243154	4.53
		Telangana	1399924	4.55	241265	4.50
		Uttar Pradesh	1230943	4.00	182358	3.40
		Odisha	1228129	4.00	81441	1.52

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

Section 12

Industry Code(NIC-2008)	Description	State/UT	Total Output		GVA	
		(₹ lakhs)				
			Actual	Percentage	Actual	Percentage
28	MACHINERY AND EQUIPMENT N.E.C.	All India	36717299	100.00	9255645	100.00
		TOTAL OF BELOW STATE/UTs	30780746	83.82	7789521	84.16
		Maharashtra	9678462	26.36	2536302	27.40
		Tamilnadu	7163063	19.51	1794581	19.39
		Gujarat	5067655	13.80	1211364	13.09
		Karnataka	3092721	8.42	880217	9.51
		Haryana	2552593	6.95	559386	6.04
		Punjab	1731022	4.71	443933	4.80
		Uttar Pradesh	1495230	4.07	363738	3.93
29	MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS	All India	62250066	100.00	10411207	100.00
		TOTAL OF BELOW STATE/UTs	50241784	80.71	8737976	83.94
		Tamilnadu	16338355	26.25	2559051	24.58
		Haryana	13695674	22.00	2698547	25.92
		Maharashtra	12286341	19.74	2040187	19.60
		Karnataka	4783729	7.68	908622	8.73
		Rajasthan	3137685	5.04	531569	5.11
30	OTHER TRANSPORT EQUIPMENT	All India	19656447	100.00	3904595	100.00
		TOTAL OF BELOW STATE/UTs	15764536	80.20	3177878	81.38
		Maharashtra	4103217	20.87	856801	21.94
		Haryana	3502993	17.82	396895	10.16
		Tamilnadu	2521968	12.83	603621	15.46
		Uttarakhand	2205134	11.22	493902	12.65
		Karnataka	2003156	10.19	585651	15.00
		Punjab	1428068	7.27	241008	6.17
31	FURNITURE	All India	2122355	100.00	405098	100.00
		TOTAL OF BELOW STATE/UTs	1723840	81.23	328589	81.11
		Maharashtra	424744	20.01	83290	20.56
		Rajasthan	400812	18.89	88304	21.80
		Uttar Pradesh	368486	17.36	21845	5.39
		Karnataka	284369	13.40	74294	18.34
		Tamilnadu	107740	5.08	27105	6.69
		Telangana	76416	3.60	16538	4.08
		Uttarakhand	61273	2.89	17213	4.25

**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
32	OTHER MANUFACTURING	All India	20534166	100.00	2379590	100.00
		TOTAL OF BELOW STATE/UTs	17299987	84.24	1617800	67.98
		Gujarat	5736209	27.93	620662	26.08
		Maharashtra	4490335	21.87	531488	22.34
		Karnataka	2295089	11.18	39327	1.65
		Kerala	2035894	9.91	87314	3.67
		Tamilnadu	1634712	7.96	248784	10.45
		Uttrakhand	1107748	5.39	90225	3.79
33	REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT	All India	1124160	100.00	369493	100.00
		TOTAL OF BELOW STATE	913723	81.28	299838	81.14
		Maharashtra	540948	48.12	190156	51.46
		Tamilnadu	105700	9.40	21957	5.94
		Telangana	68781	6.12	12281	3.32
		Chattisgarh	59873	5.33	47905	12.97
		Jharkhand	49912	4.44	3113	0.84
		Gujarat	46219	4.11	11626	3.15
West Bengal	42290	3.76	12800	3.46		
38	WASTE COLLECTION,TREATMENT AND DISPOSAL ACTIVITIES; MATERIALS RECOVERY	All India	1606641	100.00	171798	100.00
		TOTAL OF BELOW STATE/UTs	1308215	81.43	101584	59.13
		Gujarat	774004	48.18	69497	40.45
		Tamilnadu	534211	33.25	32087	18.68
58	PUBLISHING ACTIVITIES	All India	695230	100.00	267460	100.00
		TOTAL OF BELOW STATE/UTs	583228	83.88	226253	84.59
		Karnataka	93391	13.43	57429	21.47
		Tamilnadu	85198	12.25	35783	13.38
		West Bengal	82099	11.81	35038	13.10
		Kerala	80588	11.59	31506	11.78
		Telangana	67853	9.76	15551	5.81
		Gujarat	51607	7.42	20675	7.73
		Maharashtra	47956	6.90	18999	7.10
		Andhra Pradesh	37416	5.38	7933	2.97
		Madhya Pradesh	37120	5.34	3339	1.25

**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	807217258	100.00	146697043	100.00
		TOTAL OF BELOW STATE/UTs	662158254	82.04	118511125	80.80
		Gujarat	135997115	16.85	22076691	15.05
		Maharashtra	119971795	14.86	25863108	17.63
		Tamilnadu	86380870	10.70	16408288	11.19
		Karnataka	52893789	6.55	10218358	6.97
		Uttar Pradesh	51463543	6.38	8431099	5.75
		Haryana	50333586	6.24	7215176	4.92
		West Bengal	31912464	3.95	4520706	3.08
		Andhra Pradesh	31121259	3.86	4622072	3.15
		Rajasthan	29745019	3.68	5178733	3.53
		Madhya Pradesh	25723164	3.19	4898592	3.34
		Uttrakhand	23618613	2.93	4976720	3.39
		Odisha	22997037	2.85	4101582	2.80



भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड 1

PART II — Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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नई दिल्ली, शुक्रवार, जनवरी 9, 2009/पौष 19, 1930

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NEW DELHI, FRIDAY, JANUARY 9, 2009 / PAUSA 19, 1930

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

MINISTRY OF LAW AND JUSTICE

(Legislative Department)

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

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

THE COLLECTION OF STATISTICS ACT, 2008

No. 7 OF 2009

[7th January, 2009.]

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

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

CHAPTER I

PRELIMINARY

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

Short title,
extent and
commence-
ment.

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

Definitions

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

(b) “appropriate Government” means—

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

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

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

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

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

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

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

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

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

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

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

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

CHAPTER II

COLLECTION OF STATISTICS

Collection of statistics.

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

Provided that—

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

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

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

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

Powers of appropriate Government to appoint statistics officer, etc.

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

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

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

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

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

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

Power of statistics officer to call for information.

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

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

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

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

Duty of informants.

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

All agencies to assist.

Right of access to records or documents.

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

CHAPTER III

DISCLOSURE OF INFORMATION IN CERTAIN CASES AND RESTRICTIONS OF THEIR USE

Security of information.

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

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

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

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

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

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

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

Appropriate Government authorised to disclose certain information.

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

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

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

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

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

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

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

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

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

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

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

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

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

Disclosure of historical documents.

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

Security of recorded information.

14. Save as otherwise provided under this Act,—

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

Restrictions on use of information.

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

except in the manner provided under this Act.

CHAPTER IV

OFFENCES AND PENALTIES

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

Penalty for neglect or refusal to supply particulars.

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

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

Penalty for making false statement.

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

Penalty for mutilation or defacement of information schedule.

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

Penalty for obstruction of employees.

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

Penalty for other offences.

19. Whoever—

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

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

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

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

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

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

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

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

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

Penalty for impersonation of employee.

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

General penalty.

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

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

Offences by companies.

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

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

Explanation.—For the purpose of this section—

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

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

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

Cognizance of offences.

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

Sanction for prosecution for offence.

2 of 1974.

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

Power of court to try cases summarily.

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

CHAPTER V

POWER IN RESPECT OF CORE STATISTICS

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

Power in respect of core statistics.

CHAPTER VI

MISCELLANEOUS

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

Power to give directions.

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

Public servants.

45 of 1860.

Bar of jurisdiction.

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

Protection of action taken in good faith.

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

Overriding effect.

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

37 of 1948.

Power to make rules.

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

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

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

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

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

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

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

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

Repeal and savings.

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

32 of 1953.

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

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

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

MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION
NOTIFICATION

New Delhi, the 16th May, 2011

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

COLLECTION OF STATISTICS RULES, 2011

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

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

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

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

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

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

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

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

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

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

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

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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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भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II — खण्ड 1

PART II — Section 1

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 31]

नई दिल्ली, शनिवार, अगस्त 5, 2017/श्रावण 14, 1939 (शक)

No. 31] NEW DELHI, SATURDAY, AUGUST 5, 2017/SHRAVANA 14, 1939 (SAKA)

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

MINISTRY OF LAW AND JUSTICE

(Legislative Department)

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

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

THE COLLECTION OF STATISTICS (AMENDMENT) ACT, 2017

No. 21 OF 2017

[4th August, 2017.]

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

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

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

Short title and
commencement.

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

7 of 2009.

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

Amendment
of section 1.

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

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

Amendment
of section 2.

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

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

Insertion of
new section
3A.

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

Nodal officer.

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

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

Amendment
of section 9.

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

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

Amendment
of section 33.

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

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

(ii) in sub-section (2),—

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

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

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

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

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

Estimation Procedure

1. Notations:

i = subscript for i-th state.

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

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

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

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

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

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

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

Under the above symbols,

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

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

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

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

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

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

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

Thus, the estimator for any characteristic of the unit **in the sample sector** of the ith 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 ith State **as a whole** based on the central sample is given by:

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

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

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

(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

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

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 ${}^{\text{Pooled}} \hat{Y}'_{is} = \frac{1}{4} \sum_{m=1}^4 {}^s \hat{Y}'_{ism}$. In some cases, in a particular stratum one or more sub-samples

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.

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 i^{th} state based on **pooled sample** is:

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

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

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

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

2 Estimates of Ratios:

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

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

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

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

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

The sampling variance based on central Samples is:

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

The sampling variance based on state Samples is:

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

In case only one sub-sample is available in a stratum out of two sub-samples 1 and 3 in central sample, the estimate of variance of central sample estimate in that stratum needs to be adjusted. The adjustment may be made by considering all the surveyed units in the non-void sub-sample as SRSWOR samples

provided number of surveyed units in the sub-sample is greater than one. Similar treatment may be given in case only one sub-sample is available in a stratum out of two sub-samples 2 and 4 in state sample as well as in a stratum out of four sub-samples in pooled data.

For generating estimates of variance for the pooled sample is:

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

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:

$$\widehat{Var}(\hat{Y}) = \sum_i \widehat{Var}(\hat{Y}_i) \dots \dots \dots (10)$$

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

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

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

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

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

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,

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

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

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),

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

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

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

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:

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

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

6 Multipliers for enterprises:

The formulae for multipliers for a stratum are given below:

formula for sub-sample wise multiplier	formula for combined sample multiplier
$\frac{E_{is}}{e_{ism}}$, m = 1, 2, 3 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 4.8.1. 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 4.8.2, is to be followed in such cases.

CONFIDENTIAL

Government of India
 Ministry of Statistics and Programme Implementation
 Return under Collection of Statistics Act, 2008 as amended in 2017 and rules framed there under in 2011
 Annual Survey of Industries 2017-2018 (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	

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)
							Goods and Services Tax (GST)	Excise Duty/ Sale Tax/VAT/ Other Taxes, if any	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 2017-18?	
2.	Did the factory use the internet during FY 2017-18?	
3.	Did the factory have a website as on the date of survey?	
4.	Did the factory receive orders via the internet during FY 2017-18?	
5.	Did the factory place orders for business purpose via the internet during FY 2017-18?	
6.	Did the factory connect to the internet either by a. Narrowband or b. Fixed broadband or c. Mobile broadband during FY 2017-18?	
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 2017-2018**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 (2017-18)	Previous year (2016-17)	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 _{2a,3} +F _{2b,3} +F _{3,3} +F _{4,3} +F _{5,3} +F _{6,3} +F _{7,3}) (+) (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 _{5,3} +G _{6,3} +G _{7,3})			
	9) Gross value added (GVA) (Item 8-Item 7 as above)			

Item	Current year (2017-18)	Previous year (2016-17)	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 _{8,3} +F _{9,3} +F _{10,3}) (+) (G _{8,3} +G _{9,3} +G _{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 _{5,3} +G _{6,3} +G _{7,3}) (-) (F _{1,3} +F _{2a,3} +F _{2b,3} +F _{3,3} +F _{4,3} +F _{5,3} +F _{6,3} +F _{7,3}) (-) (H _{23,6}) (-) (I _{7,6})			

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

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

Signature of the Superintending Officer

()
Name of the Superintending Officer

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

Signature of Scrutinizing officer

()
Name of Scrutinizing officer

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ANNUAL SURVEY OF INDUSTRIES 2017-2018
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, 2017								
2.	May, 2017								
3.	June, 2017								
4.	July, 2017								
5.	Aug, 2017								
6.	Sep, 2017								
7.	Oct, 2017								
8.	Nov, 2017								
9.	Dec, 2017								
10.	Jan, 2018								
11.	Feb, 2018								
12.	Mar, 2018								

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 2017-2018 the reference period is the financial year commencing from 1st April 2017 and ending on 31st March 2018 or the accounting year of the factory ending on any date between 01.04.2017 to 31.03.2018.

4. **Survey Period:** Survey of ASI 2017-18 was conducted during November, 2018 to June, 2019.

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 fuel materials etc. consumed (as defined above) and also other inputs viz. (a) cost of non-industrial services received from others (b) cost of materials consumed for repair and maintenance of factory's fixed assets including cost of work done by others to the factory's fixed assets (c) cost of contract and commission work done by others on materials supplied by the factory (d) cost of office supplies and products reported for sale during last year & used for further manufacture during the accounting year.

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, work-in-process, (represents the excess/deficit of value of semi-finished goods or work-in-process at the end of the accounting year over that of the beginning of the year plus net balance of semi-finished fixed assets on factory's capital account) and also the receipts for industrial and non-industrial services rendered to others, value of semi-finished goods of last year sold in the current year, sale value of goods sold in the same condition as purchased and value of electricity generated and sold. Value of gross output and total output has been used in the text inter-changeable 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.