



Government of Kerala

REPORT ON
INDEX OF INDUSTRIAL
PRODUCTION (IIP)
2015 -`16 TO 2022-`23
(Base Year 2011-`12)



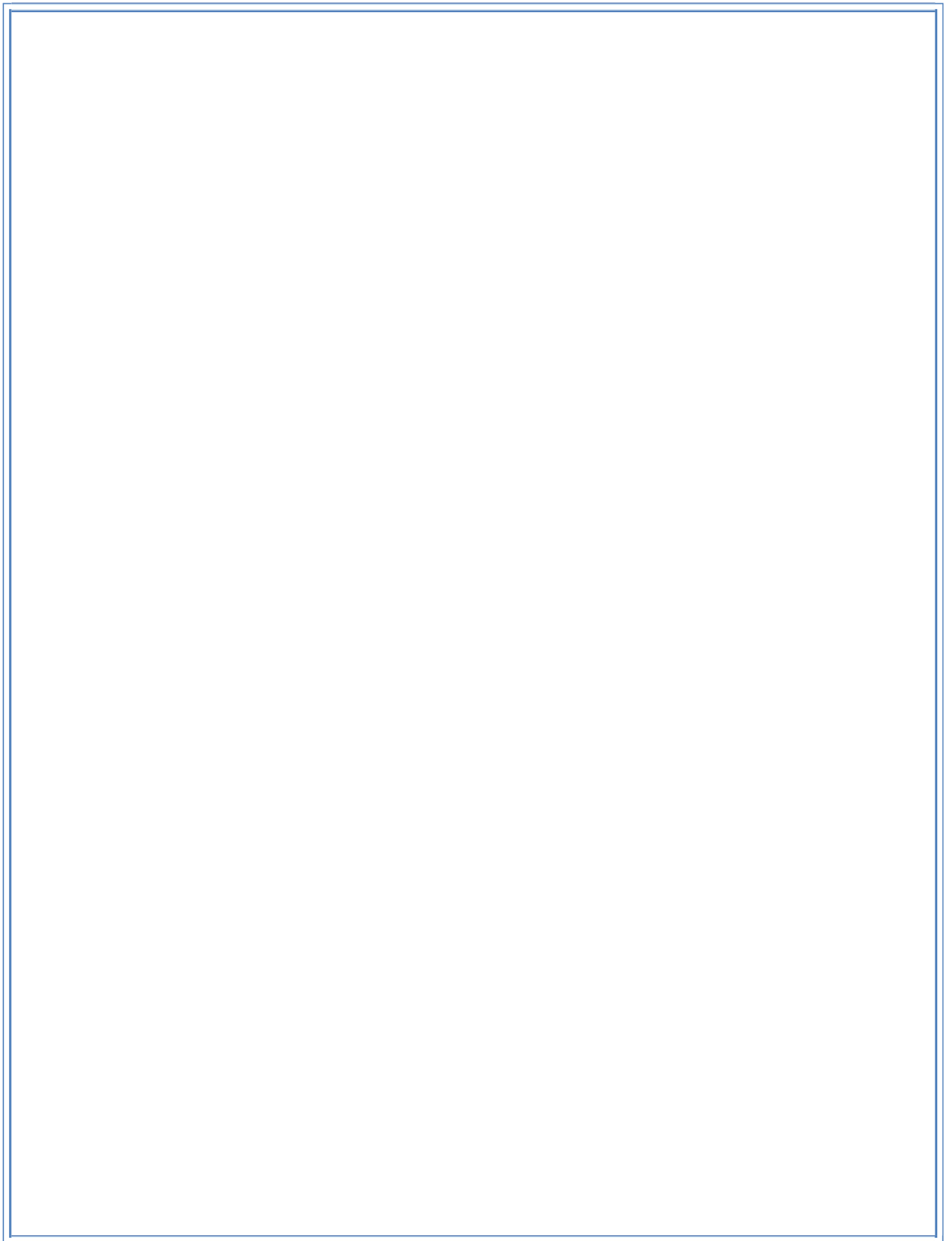
IIP Division
Department of Economics and Statistics
Thiruvananthapuram



Government of Kerala

Report on
Index of Industrial Production (IIP)
2015-'16 to 2022-'23
(Base year 2011-'12)

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SREEKUMAR B.
DIRECTOR



Department of Economics & Statistics
Vikas Bhavan P.O., Thiruvananthapuram
Kerala-695033

Phone { Office : 0471-2305318
Fax : 0471-2305317
Res : 0471-2430090
Mobile : 9447115318

e-mail: ecostatdir@gmail.com
website: <https://ecostat.kerala.gov.in>

Date : 24/08/2024

Preface

The industrial landscape of Kerala has been a key driver of economic development, contributing significantly to the employment generation and state's domestic product. Kerala has recorded an overall economic growth rate of 6.6 % in the financial year 2021-'22. The achievement of the manufacturing sector is even more impressive, recording a growth rate of 7.25% whereas 11.1% at the national level. The state Government's past industrial policies have helped the industrial growth of the state to some extent especially in the field of IT sector, Electronics industries and Tourism sector.

The government relies on accurate and reliable data regarding industrial statistics to formulate programmes and appropriate policies in the industrial sector. The Index of Industrial Production (IIP) stands out as a key indicator for short-term economic development, providing insights into the behavioral patterns of industrial production over a specific timeframe relative to a selected base year. The Department of Economics and Statistics regularly calculates the index on a monthly and quarterly basis.

The publication titled **Report on Index of Industrial Production in Kerala, 2015-'16 to 2022-'23** is a compendium of Index of Industrial Production on monthly, quarterly, and yearly basis, covering the period from 2015-'16 to 2022-'23 through an analytical perspective. It includes monthly indices categorized by the 2008 National Industrial Classification (NIC) codes for two digits & three digits adhering to the guidelines of the Central Statistics Office (CSO). The report also includes comparison of state level indices and the corresponding growth rates with that of the national level.

I appreciate the efforts put in by Sri. Abdul Gafoor, Assistant Director (IIP) who put forth the idea of bringing out such a worthy publication. He himself had taken the responsibility of preparing the same with the help of Research Assistant Sri. Biju CC, and Statistical Assistants Miss. Amritha R, Smt. Ansia A under the technical guidance and instructions of Sri Manoj M, Additional Director (SI).

I hope this publication will be a great help to the departmental officials, policymakers, researchers and other stakeholders in the field of the industrial sector.



Sreekumar B
Director

Contributors

| | |
|---|---|
| Technical Guidance, Instructional Directions & Report Refinement | |
| | Sri. Manoj M, Additional Director (State Income) |
| Refinement of Report | |
| | Smt. A R Yamuna, Deputy Director (Vital Statistics) |
| Report Compilation and Preparation | |
| | Sri. Abdul Gafoor, Assistant Director (IIP) |
| Tables and Graphs Integration | |
| | Sri. Biju CC, Research Assistant Miss. Amritha R, Statistical Assistant Gr. 2 Smt. Ansia A, Statistical Assistant Gr. 2 Smt. Nabila M, Statistical Assistant Gr. 2 |
| Data Collection and Scrutiny | |
| | Research Officer (IIP) – all districts |
| District-Level Oversight | |
| | Deputy Director – all districts |
| Cover Page Design | |
| | Sri. Hareesh S, Regional Statistical Officer |

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Highlights

Index of Industrial Production (IIP) serves as a vital indicator of the industrial performance and economic health of a region. This report provides an in-depth analysis of IIP in Kerala from the fiscal year 2015-'16 to 2022-'23, with the base year as 2011-'12. The report delves into key trends, challenges, and notable events influencing industrial production during this period.

Key Findings

The economy experienced a cyclical nature of expansion and contraction across industrial sectors during the period from 2015-'16 to 2022-'23. This pattern aligns with the theory of business cycle. The business cycle theory posits that economies go through alternating periods of expansion (growth) and contraction (decline) in economic activity, typically characterized by fluctuations in output, employment, and other economic indicators. Industrial production indices observed in this report fluctuate over time in response to economic conditions, policy interventions, and external factors, thereby supporting the theory's premise of recurring economic cycles.

Expansion (2015-'16 to 2018-'19):

- The period from 2015-'16 to 2018-'19 was characterized by an expansion phase. During this time, indices across sectors experienced robust growth rates.
- Manufacturing and mining sectors showed significant increases, driven by increased production, consumer demand, and favorable economic conditions.
- The electricity sector also expanded, supported by improved infrastructure and favorable weather conditions enhancing production capacity.

Peak (2018-'19):

- The peak phases in 2018-'19 marked the highest points in the indices before entering a phase of slowdown.
- Manufacturing reached its highest index, reflecting peak production levels and economic activity.
- The mining and quarrying sectors also peaked, benefiting from increased demand and operational efficiencies.
- Electricity production saw its highest output, supported by optimal weather conditions and enhanced operational capabilities.

Contraction (2019-'20 to 2020-'21):

- From 2019-'20 onwards, the economy entered a contraction phase due to external shocks and crises.
- Factors like Kerala floods, and the COVID-19 pandemic disrupted economic activities across sectors.
- Manufacturing and mining sectors faced downturns, leading to reduced production, disrupted supply chains, and decreased indices.
- The electricity sector also experienced declines, influenced by operational challenges during crises and adverse weather conditions.

Trough (2020- '21 to 2021- '22):

- The trough phase from 2020-'21 to 2021-'22 represented the lowest points in the indices, reflecting economic lows post-crisis.
- Recovery efforts began, marked by government interventions, stimulus measures, and adaptive strategies across sectors.
- Manufacturing, mining, and electricity sectors started to stabilize and recover, albeit at varying paces and degrees.

Recovery (2021- '22 to 2022- '23):

- The recovery phase from 2021-'22 onwards showed signs of improvement and stabilization across sectors.
- Manufacturing and mining sectors showed positive growth rates, indicating adaptive strategies and sector-specific recoveries.
- The electricity sector also rebounded, benefiting from improved weather conditions and enhanced operational efficiencies.

Manufacturing sector

- The analysis demonstrates the sector's capacity to withstand challenges and recover from difficult periods, including months affected by floods and the initial stage of the COVID-19 pandemic.
- During the Q2 of 2018-'19, there is a noteworthy decline in growth (-15.8%), likely influenced by the impact of floods in August 2018. However, a subsequent recovery is evident in the Q3 and Q4 of 2018-'19 (9.2% and 2.1%, respectively).
- The first quarter of 2020-'21 witnessed a significant decline (-39.4%), indicative of the impact of the COVID-19 pandemic and associated lockdowns.

Subsequent quarters [2020-'21 (Q2), (Q3), and (Q4)] exhibited a recovery, marked by positive growth rates, signifying adaptation to pandemic conditions. However, in 2021-'22 (Q1), another decline is noted (-27.0%), suggesting persistent challenges or effects of the second wave of the COVID-19 pandemic and associated lockdowns.

- The production data for each month indicates that in April, there's often a decrease in production because the factories need to manage their stock after the financial year ends.

Mining & Quarrying Sector

- In the first quarter of 2020-'21, there was a decline (-10.8%), likely influenced by the initial phase of the COVID-19 pandemic and associated lockdowns. However, subsequent quarters (Q2, Q3, and Q4) exhibited recovery with notable growth rates, indicating adaptation to pandemic conditions. The first quarter of 2021-'22 witnessed another decline (-9.1%), suggesting persistent challenges or effects of the second wave of the COVID-19 pandemic and associated lockdowns.

Electricity Sector

- The electricity sector usually has higher production in its base year compared to other years. This consistently keeps the electricity sector index below 100 in consecutive years, thereby affecting the general index.
- The period of 2016-2017 witnessed a drastic decline, attributed primarily to the severe drought conditions experienced during that year.
- Flood Year (2018-'19): The Electricity sector may have experienced disruption during the floods, leading to a recovery in the following quarter. The subsequent decline could be related to persistent challenges or infrastructure issues.
- COVID Year (2020-'21): The initial decline and subsequent recovery in the Electricity sector correlate with the timing and dynamics of the COVID-19 pandemic.

Chapter 1

Introduction to Index of Industrial Production

State level performance of the economy is analyzed by computing different macroeconomic state level indicators like Gross State Domestic Product, Net State Domestic Product, Per capita, Fiscal deficit, Revenue deficit, Primary deficit etc. These estimates are prepared by using the concept & methodology adopted by CSO & SNA 2008. Gross State Value Added (GSVA) is an economic metric used to measure the contribution of various sectors to the overall economy of a specific state or region during a specified period. In parallel, the Index of Industrial Production (IIP) plays a pivotal role as a crucial economic indicator, specifically measuring the performance of the industrial sector, encompassing manufacturing, mining & quarrying, and electricity. It stands out as a widely recognized and frequently utilized economic indicator for assessing industrial performance across distinct time frames within the same span of time.

The Department of Economics and Statistics has been consistently compiling the Index of Industrial Production (IIP) in adherence to CSO guidelines. This index gauges the influence of advancements in the industrial sector over time within the state, relative to a fixed base year.

1.1 Coverage

IIP compiled in India adheres to the guidelines provided by the Statistics Division of the United Nations (UNSD), formerly the United Nations Statistical Office, serves under the United Nations Department of Economic and Social Affairs (DESA). According to UNSD recommendations, the major divisions of the International Standard of Industrial Classification (ISIC) include 'mining & quarrying' and 'manufacturing', and within the public utilities division, it suggests the inclusion of the major group 'electricity'. Historically, the Index has focused exclusively on the

production within the Manufacturing, Mining & Quarrying, and Electricity sectors in the State.

1.2 Base Year

IIP serves as a concise gauge, assessing fluctuations in the volume of industrial production for a representative selection of industrial products during a specific timeframe, in relation to a chosen base period. The IIP assigns a value of 100 to the base period, and for the study period, it indicates the percentage increase or decrease relative to the base period. To better reflect the evolving nature of the industrial sector, the base year of the IIP undergoes periodic revisions, involving updates to the item basket and revisions to the weighting diagram. Since its initiation in India, the base year initially adopted was 1937, and it has undergone successive revisions in 1946, 1951, 1956, 1960, 1970, 1980-81, 1993-94, 2004-05, and 2011-12.

To uphold synchronization and comparability with the all-India level series, it has been a common practice to update the base year of the Kerala state IIP whenever the CSO revises the all-India level base year. Consequently, the base year of the Kerala state for which the IIP has been compiling is, 2011-12.

1.3 Weighting Diagram

The diverse significance of various economic activities necessitates a reflection of these differentials when gauging the overall performance of the industrial sector. To accomplish this, each item within the basket is assigned an appropriate weight. Typically, these weights are determined based on the gross value added (GVA) from the respective industrial activity. This weighting mechanism ensures a more nuanced and representative assessment of the entire performance of the industrial sector. The diagram below illustrates the breakdown of components within the Index of Industrial Production (IIP) by sector.

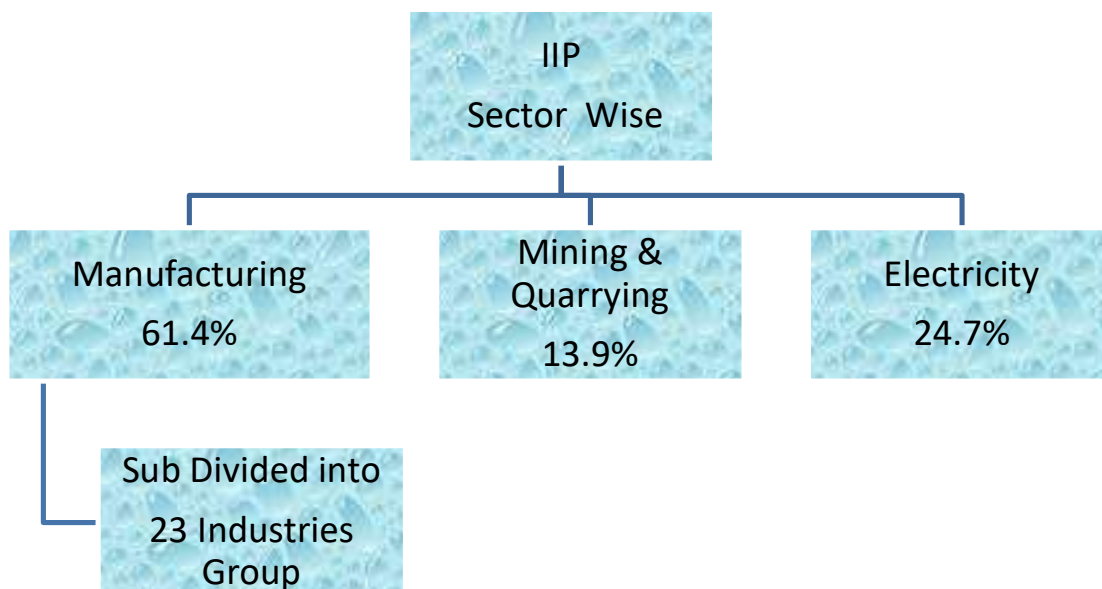


Diagram 1-1

Total weight, which is taken as 1000, was apportioned first to three industrial sectors, i.e., Manufacturing, Mining & Quarrying and Electricity. The sectoral weight of the manufacturing sector was then allocated to its 2- & 3-digit industry groups in proportion to their GVA figures. Finally, the weight allocation at item level has been done in proportion to item-wise GVO. In the case of the mining & quarrying sector the total weight of the sector was apportioned to the items included in the item basket in proportion to their value of output furnished by IBM.

| Sector | Weight |
|--------------------|--------|
| Manufacturing | 614.34 |
| Mining & Quarrying | 138.97 |
| Electricity | 246.69 |
| General IIP | 1000 |

Table 1-1

1.4 Compilation Procedure

The IIP is typically calculated as the weighted average of production relatives for all industrial activities. The computation employs Laspeyres' fixed-base formula, expressed mathematically as follows:

$$I = \frac{\sum W_i R_i}{\sum W_i} \quad i = 1, 2, \dots, N$$

Where I is the index, R_i is the production relative of the i^{th} item $\left(\frac{P_i}{P_0}\right)$ and W_i is the weight allotted to it. P_i is the production of the i^{th} item in the current year; P_0 is the production of the i^{th} item in the base year.

1.5 Building IIP from the Lower Stage

Building the Index of Industrial Production (IIP) involves a multi-step process of collecting and compiling data from different sectors. This includes gathering information on the production output of various industries, factories, and manufacturing processes. The data collection process typically begins at the lower stages of production, such as raw material extraction, processing, and manufacturing of intermediate goods. This may involve collecting information from mines, quarries, and primary manufacturing facilities. The diagram below illustrates the sequential steps involved in the compilation of the IIP.

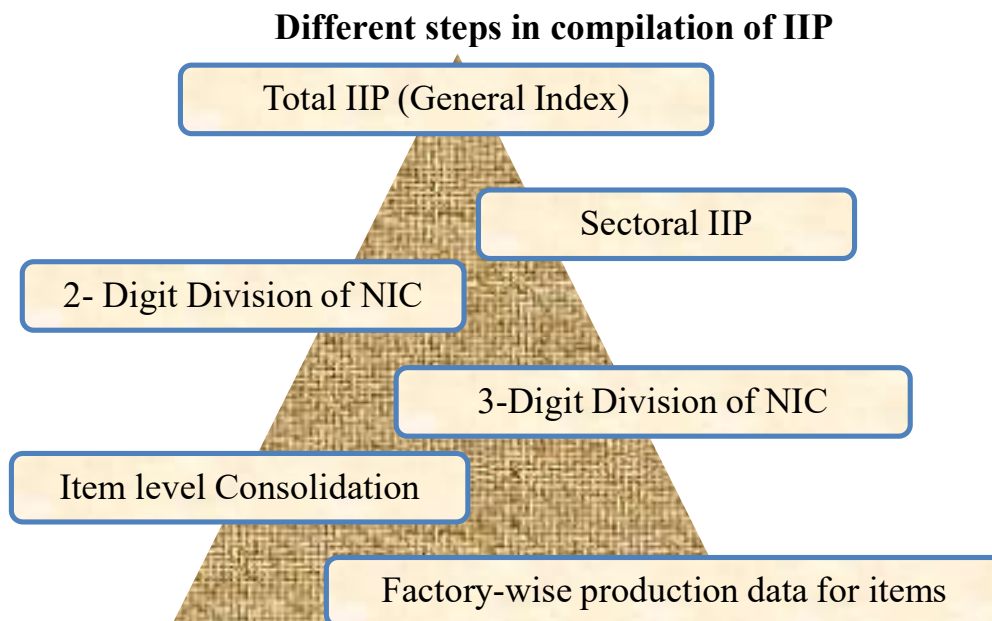


Diagram 1-2

1.5.1 Manufacturing Sector

The process of compiling the IIP starts with collecting production data related to items in the manufacturing sector. These basic production data are subsequently aggregated, employing weights, to generate data for the 3-digit class (NIC). The higher levels of the IIP, beyond the 3-digit class, are then created by amalgamating the lower levels with the application of weights.

1.5.2 Mining and Quarrying sector

Building the Index of Industrial Production (IIP) in mining and quarrying involves gathering data specifically related to the production output of these sectors. The data collection process may include obtaining statistics on the quantity and value of minerals extracted, as well as information on the types of minerals being mined and quarried. This data is often collected from government agencies, industry reports, and surveys conducted among mining and quarrying companies.

1.5.3 Electricity sector

Building the Index of Industrial Production (IIP) in the electricity sector involves collecting and analyzing data related to electricity generation. IIP in the electricity sector involves a systematic process of data collection, index calculation, and analysis to track changes in electricity production over time

1.6 Source of Data

The monthly production data required for compiling the State-level IIP are sourced from the Indian Bureau of Mines (IBM), Nagpur, for the 'mining & quarrying' sector and from the Central Electricity Authority for the 'electricity' sector. In the case of the 'manufacturing' sector, following the finalization of the item basket (comprising selected item groups and specific items within each group), a detailed list of factories, along with their production in the base year, is prepared from the factories surveyed as part of the Annual Survey of Industries (ASI) in 2011-'12.

We gather production data for the manufacturing sector, covering 134 items, from a selected group of 190 registered manufacturing units monthly. The department acquires monthly production information directly from these units, facilitated by the Deputy Director's office in each district. Regarding the mining sector, the essential production data required for regular compilation of the index is provided by the Indian Bureau of Mines (IBM) in Nagpur. Starting from January 2016, this data is accessible on the IBM website at <https://ibm.gov.in/IBMPortal/>. For the electricity sector, the required data can be accessed from the National Power Portal website at <https://npp.gov.in/monthlyGenerationReportsAct>.

Chapter 2

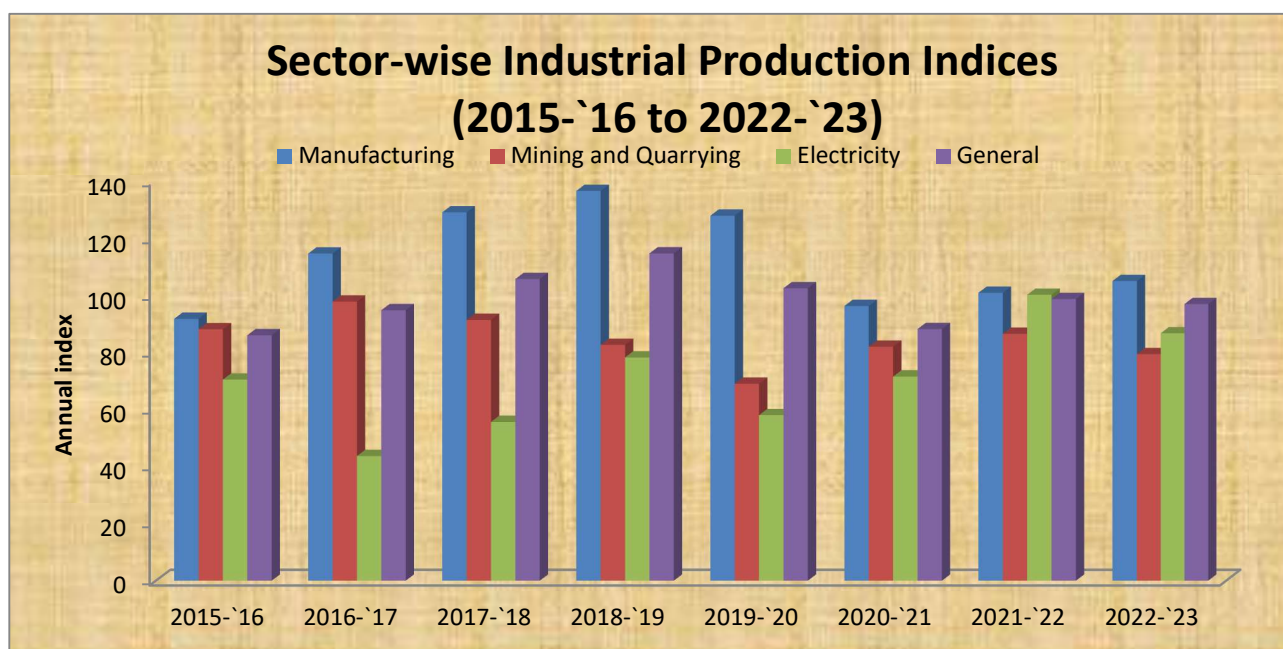
Comparative Analysis: Year-to-Year Trends in the Index of Industrial Production

This chapter provides a detailed analysis of the Index of Industrial Production (IIP) in Kerala across major sectors, covering the period from 2015-'16 to 2022-'23. The analysis focuses on sector-specific trends, growth patterns, and key influences that have shaped the industrial landscape in the state year by year during this period.

Sector-wise Index of Industrial Production

| Annual Index | | | | | | | | |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Year Sector | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
| Manufacturing | 91.8 | 114.58 | 128.95 | 136.43 | 127.78 | 96.27 | 100.88 | 104.98 |
| Mining & Quarrying | 88.15 | 97.8 | 91.41 | 82.71 | 69.13 | 82.04 | 86.55 | 79.47 |
| Electricity | 70.58 | 43.9 | 55.8 | 78.31 | 58.17 | 71.63 | 100.18 | 86.75 |
| General | 86.05 | 94.8 | 105.68 | 114.63 | 102.45 | 88.21 | 98.7 | 96.94 |

Table 2-1



Graph 2-1

2.1 General Index of Industrial Production

This analysis delves into the year-over-year (Y-o-Y) comparisons of the IIP in Kerala, offering insights into the relative growth or contraction of industrial activities compared to the base year. By examining this phenomenon over consecutive years, these comparisons provide a comprehensive view of the industrial trajectory and the impact of external events on the state's industrial scenario.

| General Index of Industrial Production (2015-'16 to 2022-'23) | | | | | | | | |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| Year | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
| Index | 86.05 | 94.8 | 105.68 | 114.63 | 102.45 | 88.21 | 98.7 | 96.93 |
| Growth Rate (%) | - | 10.16 | 11.47 | 8.46 | -10.62 | -13.89 | 11.89 | -1.79 |

Table 2-2

$$*Annual\ Growth\ Rate = \left[\frac{(Index_{current\ year} - Index_{previous\ year})}{Index_{previous\ year}} \right] \times 100$$

Annual General Index of Industrial Production (2015-'16 to 2022-'23)



Graph 2-2

- 2016-'17 to 2018-'19: Consistent positive growth rates indicate overall economic expansion.

- 2019-'20: A significant negative growth rate suggests a contraction or economic downturn.
- 2020-'21: Another year of negative growth, indicating a continuation of economic challenges, possibly exacerbated by the COVID-19 pandemic.
- 2021-'22: Positive growth indicates a recovery or stabilization of economic conditions.
- 2022-'23: A slight negative growth rate suggests a potential slowdown or challenges in the most recent period.

Impact of COVID-19 (2020 & 2021)

- The drop in the index during 2020-'21 (88.21) indicates a potential economic impact of the COVID-19 pandemic.
- Economic activities, supply chains, and various industries faced challenges during this period, affecting the overall economic performance reflected in the index.

Recovery or Stabilization (2021-'22 and 2022-'23)

- While the index increased to 98.7 in 2021-'22, it decreased slightly to 96.93 in 2022-'23.
- The increase in 2021-'22 may suggest a degree of recovery or stabilization, but the subsequent decrease in 2022-'23 could be an area of further investigation.

2.2 Manufacturing Sector

The table below illustrates the Gross State Value Added (GSVA) in the manufacturing sector for Kerala, computed with the base year 2011-'12. The GSVA at constant prices for the base year are ₹3,420,404 lakhs.

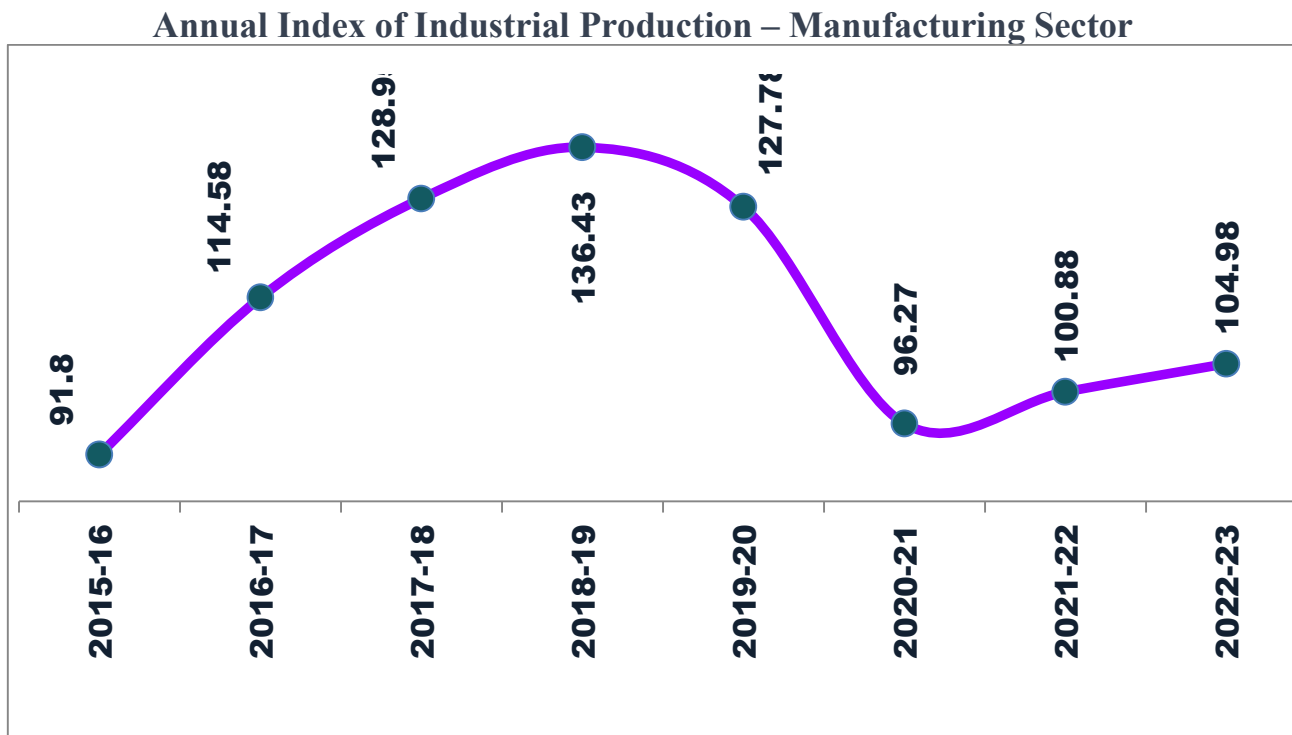
| Year | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Growth Rate of GSVA of manufacturing sector at Constant price (%) | 28.43 | 18.19 | 6.06 | -5.28 | -0.98 | 3.98 | 7.25 | 8.96 |

Table 2-3

Below table shows the year-over-year (Y-o-Y) comparisons of the Index of Industrial Production (IIP) in manufacturing sector in Kerala, offering insights into the relative growth or contraction of industrial activities.

| Manufacturing Sector Index of Industrial Production (2015-'16 to 2022-'23) | | | | | | | | |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| Year | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
| Index | 91.8 | 114.58 | 128.95 | 136.43 | 127.78 | 96.27 | 100.88 | 104.98 |
| Growth Rate (%) | - | 24.81 | 12.54 | 5.8 | -6.34 | -24.66 | 4.78 | 4.06 |

Table 2-4



Graph 2-3

- The Manufacturing sector exhibited an increasing trend, rising from 91.8 in 2015-'16 to 136.43 in 2018-'19. Subsequently, it experienced a decline until 2020-'21, followed by a recovery starting from 2021-'22.
- 2016-'17 to 2017-'18: An increase from 114.58 to 128.95 suggests positive growth in the manufacturing sector during this period.

- 2017-'18 to 2018-'19: A further increase to 136.43 indicates continued growth in the manufacturing sector.
- There was a significant drop to 127.78 in 2019-'20, likely influenced by factors such as floods.
- The impact of the COVID-19 pandemic is evident in the subsequent years (2020-'21 and 2021-'22) with the index dropping to 96.27 and then recovering slightly to 100.88.
- From 2020-'21 to 2021-'22; a slight recovery to 100.88 suggests a partial rebound in the manufacturing sector.
- From 2021-'22 to 2022-'23; an increase to 104.98 indicates further recovery and potential growth in the manufacturing sector.

2.3 Mining and Quarrying

The Mining and Quarrying sector exhibited significant fluctuations in the IIP and growth rates over the period. Following a peak in 2016-'17, a downward trend was observed until 2019-'20, attributed to factors such as floods and economic slowdowns. However, there was a notable rebound in 2020-'21, suggesting a recovery influenced by increased demand for raw materials. Subsequently, a decline in the latest year, 2022-'23, is likely due to potential contraction.

| Index of Industrial Production (2015-16 to 2022-'23) - Mining and Quarrying Sector | | | | | | | | |
|--|----------|----------|----------|----------|----------|----------|----------|----------|
| Year | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
| Index | 88.15 | 97.8 | 91.41 | 82.71 | 69.13 | 82.04 | 86.55 | 79.47 |
| Growth Rate (%) | - | 10.94 | -6.53 | -9.51 | -16.41 | 18.67 | 5.49 | -8.18 |

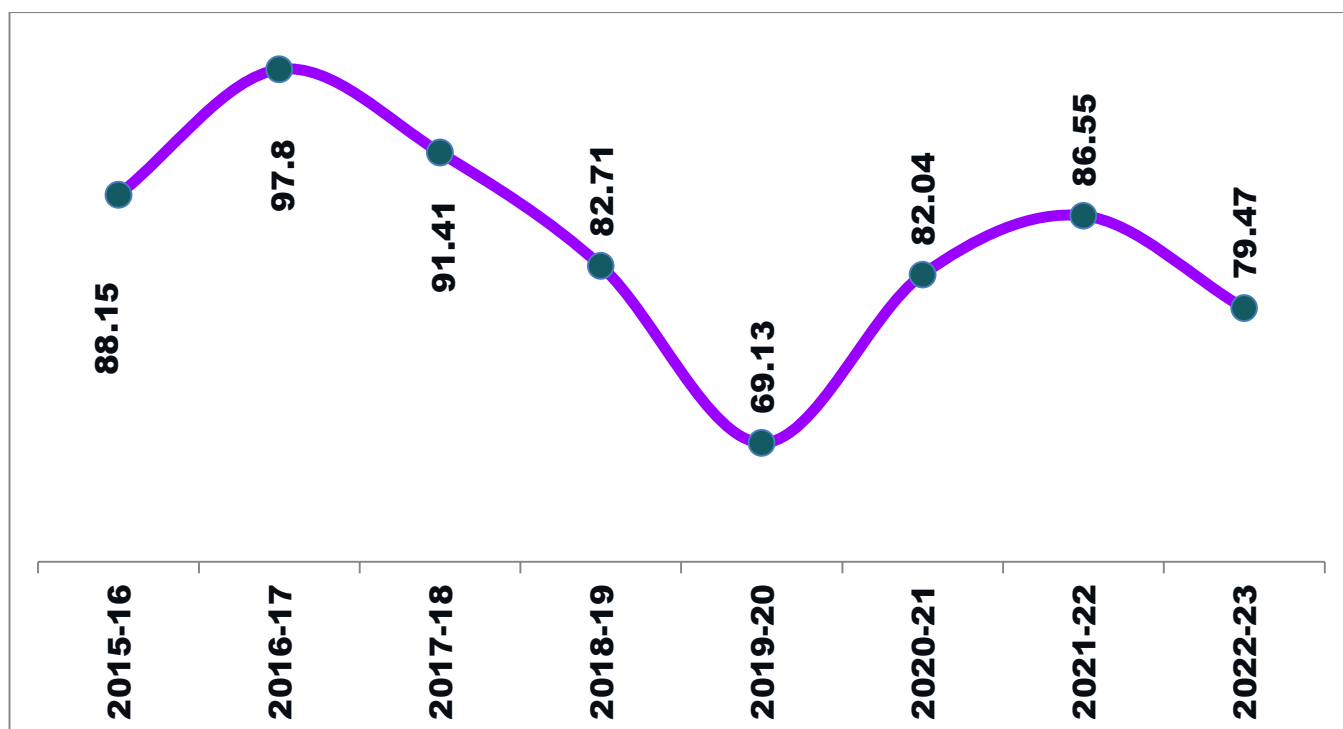
Table 2-5

Overview

- The Mining and Quarrying sector has a more fluctuating trend.
- 2015-'16 to 2016-'17: a slight increase from 88.15 to 97.8 in the sector

- 2016-'17 to 2017-'18: A decrease from 97.8 to 91.41 suggests a potential decline in the sector during this period.
- 2017-'18 to 2018-19: A further decrease to 82.71 indicates continued contraction in the sector.
- 2018-'19 to 2019-'20: A significant drop to 69.13 suggests a substantial impact, possibly influenced by flood
- 2019-'20 to 2020-'21 (COVID year): A recovery to 82.04 indicates a partial rebound but not a complete recovery.
- 2020-'21 to 2021-'22: An increase to 86.55 suggests some growth in the mining and quarrying sector.
- 2021-'22 to 2022-'23: A decrease to 79.47 indicates a potential contraction or slowdown.

Annual Index of Industrial Production – Mining and Quarrying Sector



Graph 2-4

2.4 Electricity Sector

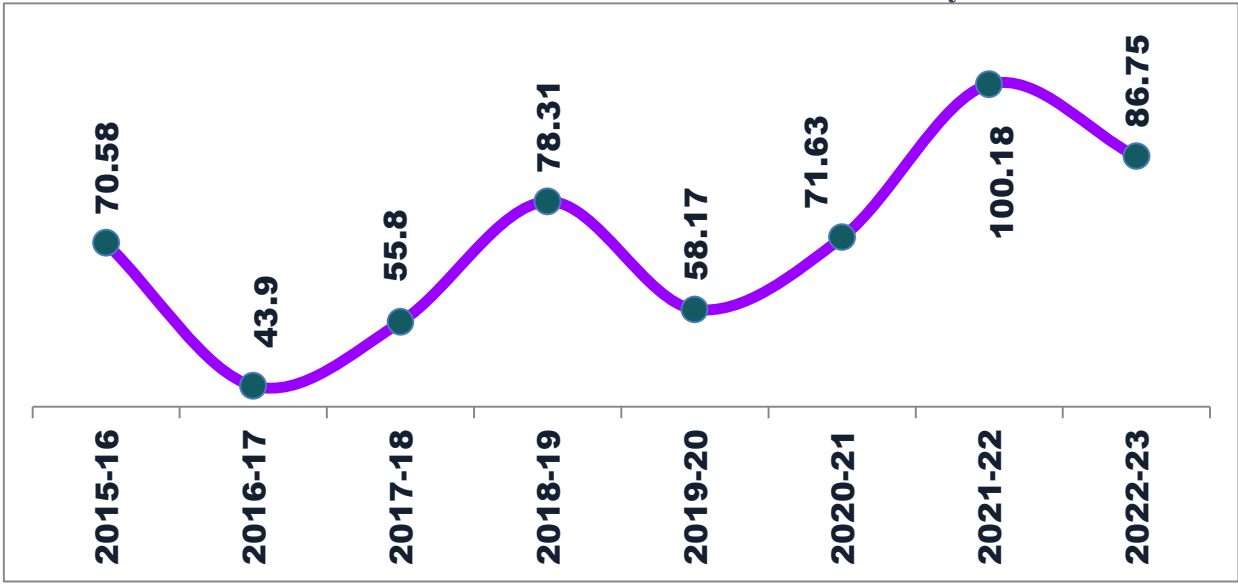
The electricity sector is a critical infrastructure component, directly influencing industrial productivity and economic growth. Its performance has been highly volatile, characterized by significant year-to-year changes. Following a drastic decline in 2016-'17, substantial recoveries were observed in subsequent years. Another notable factor is that the high electricity production in the base year resulted in a decreasing trend in the IIP in subsequent years. A notable peak in 2021-'22 saw the electricity sector's IIP reach 100.18, the highest recorded in the period. However, a recent decline in 2022-'23 suggests that there are challenges that need to be addressed to stabilize sector output.

| Annual Electricity Sector Index of Industrial Production (2015-'16 to 2022-'23) | | | | | | | | |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| Year | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
| Index | 70.58 | 43.9 | 55.8 | 78.31 | 58.17 | 71.63 | 100.18 | 86.75 |
| Growth Rate (%) | - | -37.8 | 27.1 | 40.34 | -25.71 | 23.13 | 39.85 | -13.40 |

Table 2-6

- The Electricity sector shows a declining trend from 2015-'16 to 2018-'19, followed by a substantial increase in 2019-'20.
- The period of 2016-2017 witnessed a drastic decline, attributed primarily to the severe drought conditions experienced during that year.
- 2016-'17 to 2017-'18: An increase from 43.9 to 55.8 suggests growth in the electricity sector.
- 2017-'18 to 2018-'19: A further increase to 78.31 indicates continued expansion.
- 2018-'19 to 2019-'20: A decrease to 58.17 suggests a potential slowdown.
- 2020-'21, there was an increase from 58.17 to 71.63, possibly indicating a recovery from the effects of the flood.
- There's a recovery in 2021-'22 (100.18), indicating a rebound in the Electricity sector.
- 2021-'22 to 2022-'23: A decrease to 86.75 indicates a potential contraction or slowdown.

Annual Index of Industrial Production – Electricity Sector



Graph 2-5

Summary

- The manufacturing sector experienced a significant impact during the COVID year but showed signs of recovery.
- Mining and Quarrying sector faced challenges during the pandemic and had mixed trends.
- The electricity sector showed resilience during the COVID year and substantial growth afterward.

Chapter 3

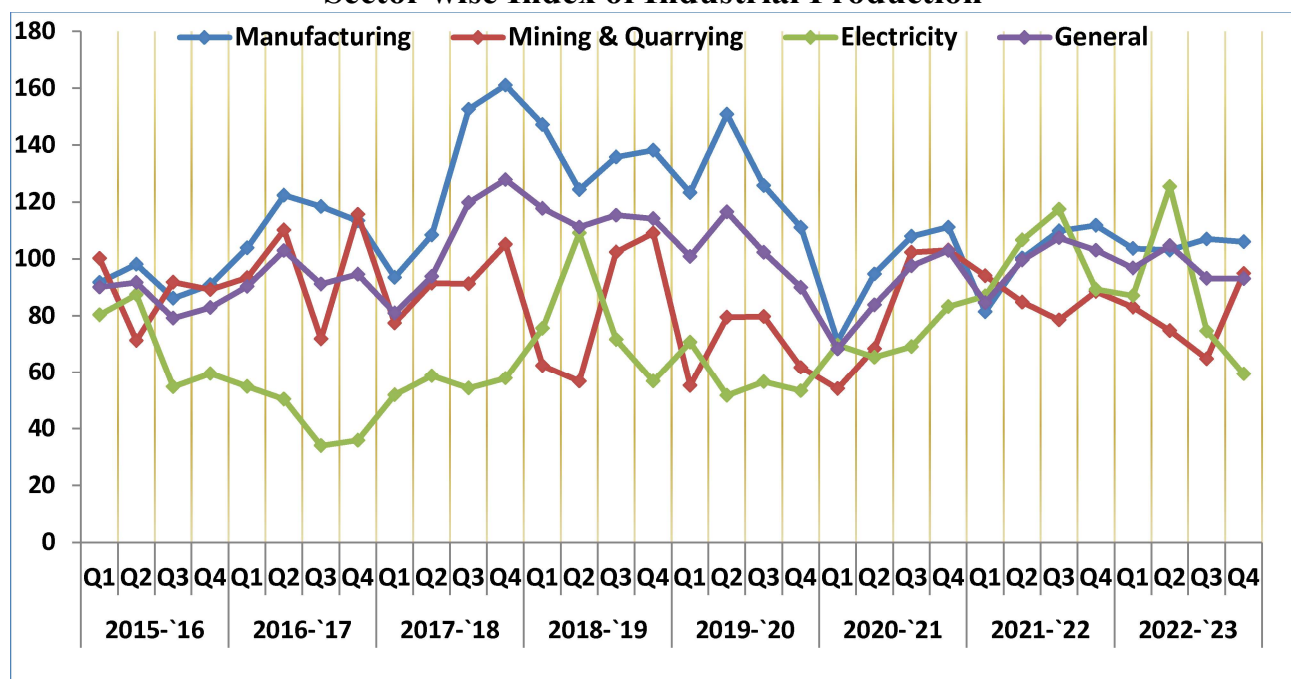
Comparative Analysis: Quarter-to-Quarter Trends in the Index of Industrial Production

This chapter gives a detailed examination of the Index of Industrial Production (IIP) in Kerala quarter-by-quarter over the period from 2015-'16 to 2022-'23. The quarterly analysis is instrumental in identifying short-term trends, fluctuations, and key influencing factors impacting the industrial sector.

| Quarterly Index of Industrial Production from 2015-'16 to 2022-'23 – Sector wise | | | | | |
|---|----------------|----------------------|-------------------------------|--------------------|----------------|
| Year | Quarter | Manufacturing | Mining & Quarrying | Electricity | General |
| 2015-'16 | Q1 | 91.8 | 100.2 | 80.3 | 90.1 |
| | Q2 | 98.2 | 71.3 | 87.5 | 91.8 |
| | Q3 | 86.2 | 91.9 | 54.9 | 79.3 |
| | Q4 | 91 | 89.2 | 59.6 | 83 |
| 2016-'17 | Q1 | 104 | 93.4 | 55 | 90.4 |
| | Q2 | 122.4 | 110.2 | 50.5 | 103 |
| | Q3 | 118.5 | 71.9 | 34.1 | 91.2 |
| | Q4 | 113.4 | 115.7 | 36 | 94.6 |
| 2017-'18 | Q1 | 93.5 | 77.5 | 52 | 81 |
| | Q2 | 108.46 | 91.53 | 58.84 | 93.87 |
| | Q3 | 152.68 | 91.38 | 54.37 | 119.91 |
| | Q4 | 161.15 | 105.23 | 57.97 | 127.93 |
| 2018-'19 | Q1 | 147.25 | 62.41 | 75.61 | 117.79 |
| | Q2 | 124.4 | 56.8 | 109.1 | 111.2 |
| | Q3 | 135.85 | 102.45 | 71.63 | 115.37 |
| | Q4 | 138.27 | 109.16 | 56.88 | 114.15 |
| 2019-'20 | Q1 | 123.3 | 55.29 | 70.84 | 100.91 |
| | Q2 | 150.93 | 79.62 | 51.82 | 116.57 |
| | Q3 | 125.8 | 79.8 | 56.6 | 102.3 |
| | Q4 | 111.1 | 61.8 | 53.4 | 90 |
| 2020-'21 | Q1 | 71.14 | 54.18 | 69.69 | 68.42 |
| | Q2 | 94.75 | 68.49 | 65.39 | 83.86 |
| | Q3 | 108.02 | 102.28 | 69.12 | 97.63 |
| | Q4 | 111.18 | 103.2 | 83.33 | 102.95 |
| 2021-'22 | Q1 | 81.4 | 94.1 | 87.1 | 84.6 |
| | Q2 | 100.3 | 84.9 | 106.7 | 99.7 |
| | Q3 | 109.9 | 78.6 | 117.5 | 107.5 |
| | Q4 | 111.9 | 88.6 | 89.4 | 103.1 |
| 2022-'23 | Q1 | 103.7 | 83.1 | 87.2 | 96.8 |
| | Q2 | 103.1 | 74.9 | 125.5 | 104.7 |
| | Q3 | 107 | 64.9 | 74.8 | 93.2 |
| | Q4 | 106.1 | 95 | 59.5 | 93.1 |

Table 3-1

Sector wise Index of Industrial Production



Graph 3-1

3.1 General Index (Quarter-to-Quarter)

The quarter-to-quarter trends in the Index of Industrial Production (IIP) from 2015-'16 to 2022-'23 reveal distinct patterns of fluctuation across sectors. Manufacturing saw considerable volatility, with sharp increases and decreases reflecting changing economic conditions and industrial activity. For instance, it surged notably in 2017-'18 but faced a sharp decline during the COVID-19 pandemic in early 2020. Mining & quarrying experienced variability, influenced by external factors such as global commodity prices and demand shifts. Electricity production displayed a more stable but gradually increasing trend, indicative of steady improvements in infrastructure and energy demand. These quarterly variations highlight the sectors' sensitivity to broader economic cycles, seasonal changes, and external shocks, reflecting the dynamic nature of industrial production and its response to both domestic and global factors.

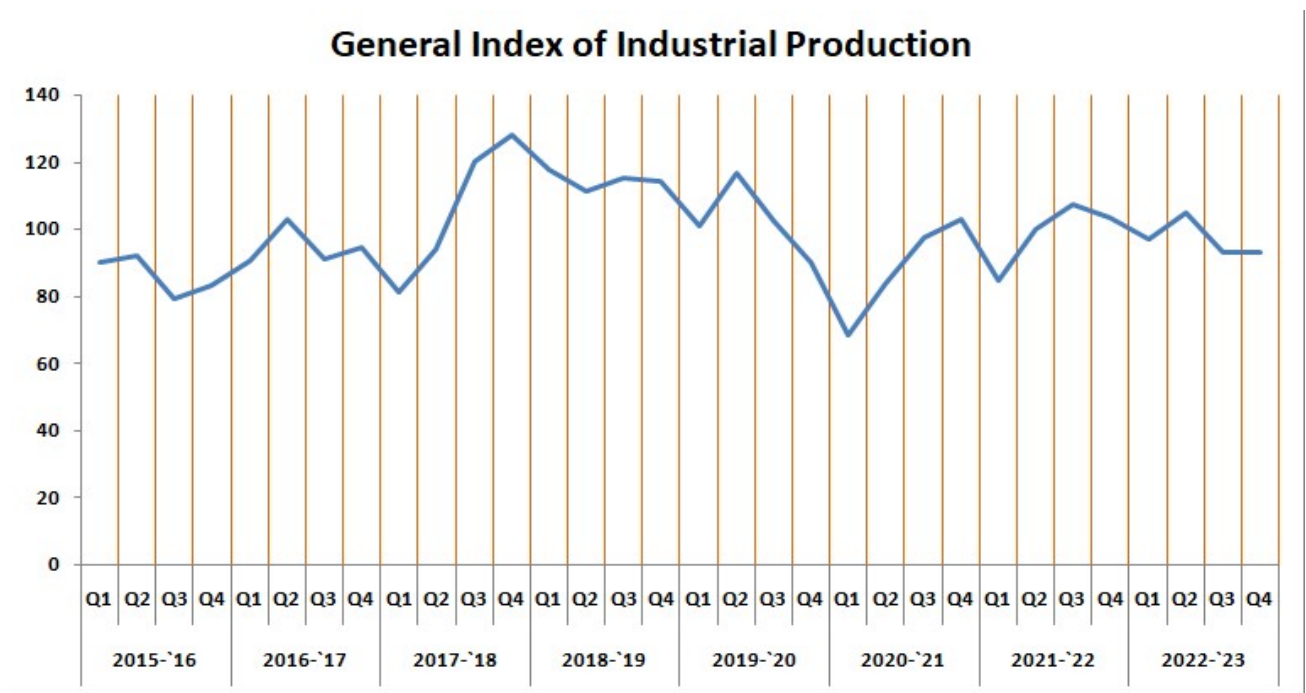
Some of the important highlights based on the data are:

- **Flood-Affected Months:**

- The impact of the 2018 flood is evident in the growth rates for the third and

fourth quarters of 2018-'19, showing a decline.

- A decline in growth rates in 2019-'20, (Q2) to (Q3) suggests the impact of flood- affected months in August 2019
- **COVID-19 Pandemic (2020-'21):**
 - Significant negative growth in 2020-'21 (Q1) reflects the impact of the COVID-19 pandemic and associated lockdowns.
 - Recovery in 2020-'21 (Q2), followed by positive growth in (Q3) and (Q4), indicates resilience and adaptation.
- **Post-COVID Recovery (2021-'22):**
 - Negative growth in 2021-'22 (Q1) suggests 2nd COVID-19 pandemic and associated lockdowns continued challenges or effects of the pandemic.
 - Positive growth in (Q2) and (Q3) indicates some recovery.
- **2022-'23:**
 - Fluctuating growth rates in 2022-'23, with negative growth in (Q1) and (Q3), and positive growth in (Q2) and (Q4), suggest ongoing economic dynamics from pandemic recovery.



Graph 3-2

3.2 Manufacturing Sector Index (Quarter-to-Quarter)

The quarterly Index of Industrial Production (IIP) for the manufacturing sector from 2015-'16 to 2022-'23 reveals a pattern of significant volatility and recovery. The sector experienced initial stability, with moderate fluctuations during 2015-'16. A notable growth period occurred in 2016-'17, peaking at 122.4 in Q2. This upward trend continued into 2017-'18, culminating in a high of 161.15 in Q4. However, the onset of the COVID-19 pandemic in 2020-'21 caused a sharp decline, with Q1 plummeting to 71.14. Despite this, the manufacturing sector showed resilience with a gradual recovery in subsequent quarters. By 2021-'22, the index demonstrated steady improvement, reflecting a bounce-back from the pandemic. In 2022-'23, the manufacturing sector stabilized further, with Q3 reaching 107 and Q4 closing at 106.1, indicating a period of cautious but stable recovery. This trend highlights the sector's susceptibility to economic cycles and external shocks, as well as its capacity for recovery and adaptation.

- **Flood-affected months (Aug 2018, Aug 2019):**

- The growth rates for the quarters immediately following flood [2018-'19 (Q2), 2018-'19 (Q3), 2018-'19(Q4), 2019-'20 (Q1),2019-'20(Q2) and 2019-'20 (Q3)] are as follows:

| Quarter | Growth Rate (%) |
|---------------|-----------------|
| 2018-'19 (Q2) | -15.8 |
| 2018-'19 (Q3) | 9.2 |
| 2018-'19 (Q4) | 2.1 |
| 2019-'20 (Q1) | -10.7 |
| 2019-'20 (Q2) | 22.0 |
| 2019-'20 (Q3) | -16.6 |

Table 3-3

- In 2018-'19 (Q2), there is a significant drop in growth (-15.8%), which might be influenced by flood-affected months in August 2018.

- A recovery is observed in 2018-'19 (Q3) and 2018-'19 (Q4) (9.2%, 2.1% respectively).
- In 2019-'20 (Q2), there was a sharp increase in growth (22.0%). However, in Q3 of the same fiscal year, there was a significant drop in growth (-16.6%), possibly influenced by the flood-affected months in August 2019.

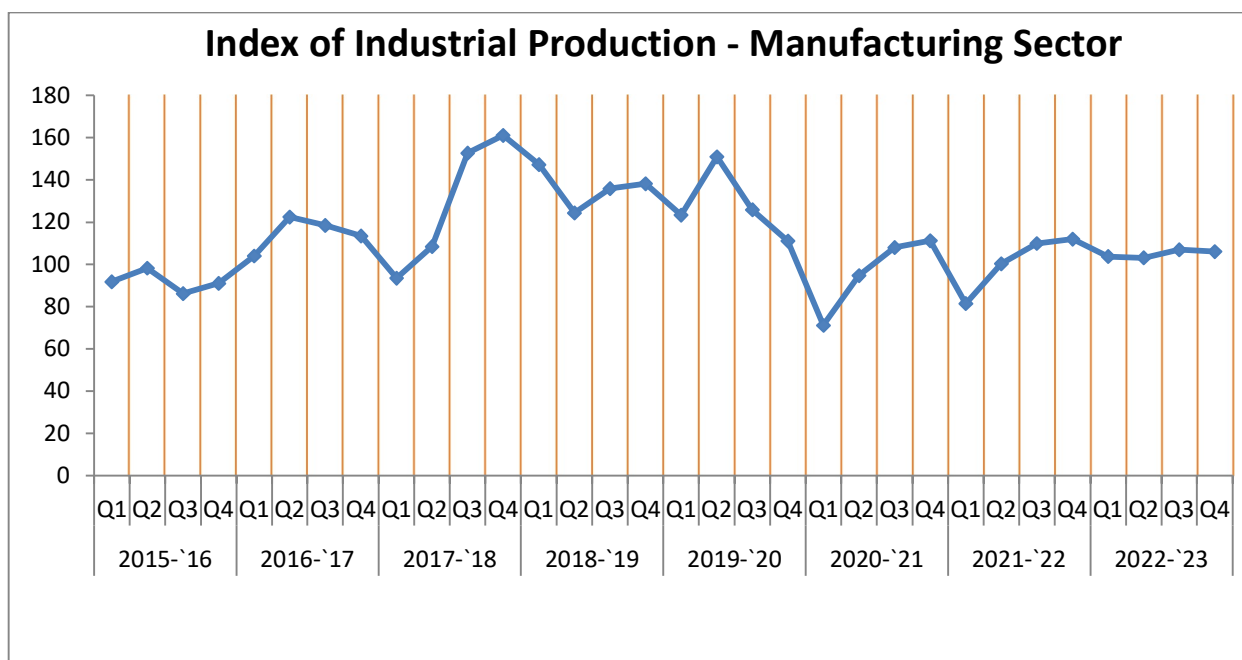
- **COVID-19 pandemic (2020-'21):**

- The growth rates for the quarters immediately following flood [2018-'19 (Q2), 2019-'20 (Q4), 2020-'21(Q1), 2020-'21 (Q2),2020-'21 (Q3), 2020-'21 (Q4),2021-'22 (Q1) and 2021-'22 (Q2)] are as follows:

| Quarter | Growth Rate (%) |
|---------------|-----------------|
| 2019-'20 (Q4) | -11.9 |
| 2020-'21 (Q1) | -39.4 |
| 2020-'21 (Q2) | 33.6 |
| 2020-'21 (Q3) | 14.6 |
| 2020-'21 (Q4) | 2.9 |
| 2021-'22 (Q1) | -27.0 |
| 2021-'22 (Q2) | 23.6 |

Table 3-4

- The first quarter of 2020-'21 shows a substantial decline (-39.4%), reflecting the impact of the first COVID-19 pandemic and associated lockdowns.
- The subsequent quarters [2020-'21 (Q2), (Q3), and (Q4)] show a recovery, with positive growth rates, reflecting adaptation to pandemic conditions.
- In 2021-'22 (Q1), another decline is observed (-27.0%), suggesting 2nd COVID-19 pandemic and associated lockdowns continued challenges or effects of the pandemic.



Graph 3-3

- **Summary**

- An observed trend in the quarterly data of the manufacturing sector indicates a decline in every first quarter of each financial year, possibly due to surplus stock from the previous year's production in factories.
- The analysis shows the sector's resilience and ability to rebound after challenging periods, such as flood-affected months and the initial phase of the COVID-19 pandemic.
- The Manufacturing sector index shows varied fluctuations from quarter to quarter.
- Significant volatility is seen, especially in the 2016-'17 and 2019-'20 periods.

3.3 Mining & Quarrying Sector Index (Quarter-to-Quarter Analysis)

The quarterly Index of Industrial Production (IIP) for the mining and quarrying sector from 2015-'16 to 2022-'23 demonstrates notable fluctuations that reflect varying economic and sector-specific conditions. The period began with relative stability, but by 2016-'17, the sector saw significant volatility, peaking at 115.7 in Q4 before experiencing sharp declines. In 2017-'18, mining and quarrying showed some recovery, with Q4 reaching a notable 105.23, but this was followed by further

instability. The sector experienced sharp declines during 2019-'20, particularly in Q1 and Q4, reflecting reduced demand and operational disruptions. The COVID-19 pandemic exacerbated these challenges in 2020-'21, with Q2 falling to 68.49. Recovery began in 2021-'22, marked by gradual improvements, though fluctuations persisted. By 2022-'23, the sector showed a mixed trend, with Q2 and Q4 demonstrating resilience at 74.9 and 95, respectively, but Q3 facing a drop to 64.9. Overall, the data highlights the sector's sensitivity to global demand, economic conditions, and operational challenges, showcasing both its volatility and gradual recovery over the years.

- **Flood-affected months (Aug 2018, Aug 2019):**

| Quarter | 2018-19 (Q1) | 2018-19 (Q2) | 2018-19 (Q3) | 2018-19 (Q4) |
|-----------------|--------------|--------------|--------------|--------------|
| Growth Rate (%) | -40.7 | -9.0 | 80.4 | 6.5 |

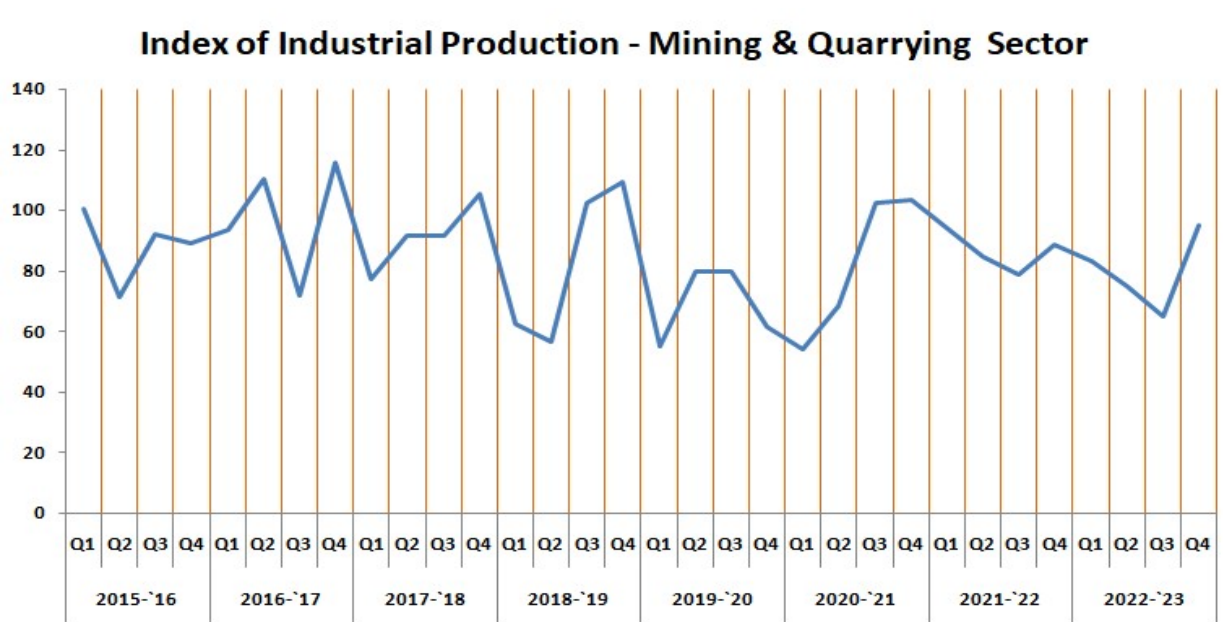
- During the first two quarters of 2018-'19, the sector's growth rates went down. In 2018-'19 (Q1), there was a big drop of -40.7%, and then in the second quarter (Q2), it dropped even more by -9.0%. This decline got worse because of the floods in August 2018.
- However, there was a strong recovery in the third quarter 2018-'19 (Q3) with a growth rate of 80.4%, indicating a robust rebound.

- **COVID-19 pandemic (2020-'21):**

| Quarter | 2020-21 (Q1) | 2020-21 (Q2) | 2020-21 (Q3) | 2020-21 (Q4) | 2021-22 (Q1) | 2021-22 (Q2) | 2021-22 (Q3) | 2021-22 (Q4) |
|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Growth Rate (%) | -12.3 | 26.4 | 49.3 | 0.9 | -8.8 | -9.8 | -7.4 | 12.7 |

- The first quarter of 2020-'21 shows a decline (-12.3%), likely influenced by the initial phase of the COVID-19 pandemic and associated lockdowns.
- Subsequent quarters Q2, Q3, and Q4 show recovery, with notable growth rates, reflecting adaptation to the pandemic conditions.

- The first quarter of 2021-'22 shows another decline (-8.8%), suggesting 2nd COVID-19 pandemic and associated lockdowns continued challenges or effects of the pandemic.



Graph 3-4

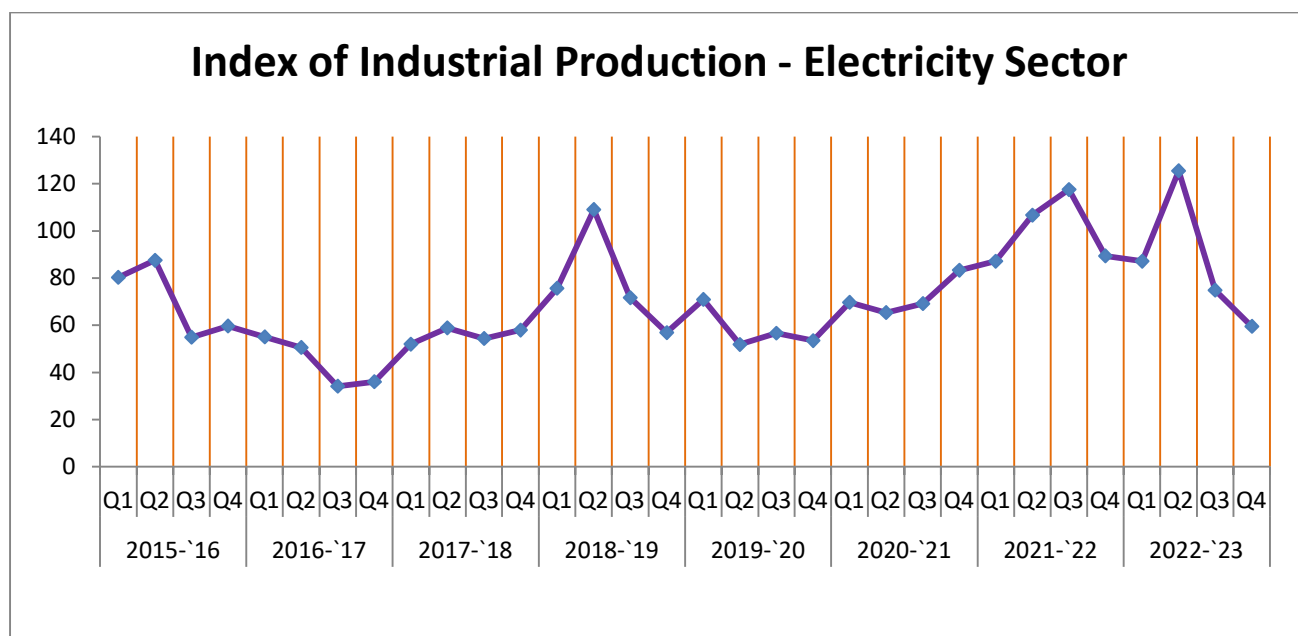
● Summary

- The Mining & Quarrying sector exhibits sensitivity to external events, with noticeable impacts during flood-affected months, and the COVID-19 pandemic. The recovery periods indicate resilience in the sector.
- 2015-'16 to 2016-'17: Large negative changes indicate a challenging period for the sector.
- 2017-'18: The sector saw a substantial increase in the 1st Qtr but faced challenges in the 2nd Qtr, followed by recovery in the 3rd Qtr.
- 2018-'19: While there was some improvement in the 2nd Qtr, the sector faced stability issues overall.
- 2019-'20: The sector experienced growth in the 1st Qtr, a significant decline in the 2nd Qtr, and minimal change in the 3rd Qtr.
- 2020-'21: Notable positive changes in the 1st Qtr and a decline in the 3rd and 4th Qtrs indicate a mixed performance.
- 2021-'22: The sector showed strong growth in the 1st Qtr, followed by modest changes in the subsequent quarters.

- 2022-'23: A positive change in the 1st Qtr was followed by minimal growth in the 2nd Qtr and a significant decline in the 3rd Qtr.

3.4 Electricity Sector (Quarter-to-Quarter)

The quarterly Index of Industrial Production (IIP) for the electricity sector from 2015-'16 to 2022-'23 reveals a generally stable yet dynamic pattern. The sector started with moderate fluctuations, but by 2016-'17, it experienced a noticeable decline, with the index dropping to its lowest of 34.1 in Q3. This downturn was part of a broader trend of instability during this period. Recovery was evident in 2017-'18, with a steady increase, peaking at 57.97 in Q4. However, the sector faced further volatility during the pandemic years, particularly in 2020-'21, where Q2 saw a dip to 65.39 due to disruptions and decreased demand. A gradual recovery followed, with improvements in 2021-'22 and a consistent upward trend into 2022-'23. By Q2 of 2022-'23, the index reached 125.5, its highest over the period, reflecting improved demand and operational stability. The electricity sector's data illustrates its resilience and adaptability, with fluctuations driven by external economic factors and evolving demand patterns, ultimately showcasing a robust recovery trajectory.



Graph 3-5

| Year | Quarter | Growth Rate (%) | Year | Quarter | Growth Rate (%) |
|----------|---------|-----------------|----------|---------|-----------------|
| 2015-'16 | Q1 | - | 2019-'20 | Q1 | 24.61 |
| | Q2 | -8.99 | | Q2 | -11.53 |
| | Q3 | -36.57 | | Q3 | 9.42 |
| | Q4 | 8.56 | | Q4 | -5.77 |
| 2016-'17 | Q1 | -8.06 | 2020-'21 | Q1 | 30.04 |
| | Q2 | -8.18 | | Q2 | -5.75 |
| | Q3 | -32.11 | | Q3 | 5.84 |
| | Q4 | 5.57 | | Q4 | 20.67 |
| 2017-'18 | Q1 | 44.44 | 2021-'22 | Q1 | 5.08 |
| | Q2 | 13.54 | | Q2 | 22.04 |
| | Q3 | -7.83 | | Q3 | 9.55 |
| | Q4 | 6.33 | | Q4 | -24.43 |
| 2018-'19 | Q1 | 30.36 | 2022-'23 | Q1 | -2.46 |
| | Q2 | 46.23 | | Q2 | 44.03 |
| | Q3 | -35.28 | | Q3 | -40.34 |
| | Q4 | -20.84 | | Q4 | -20.47 |

Table 3-5

- **COVID-19 pandemic (2020-'21):**
 - 2020-'21 (Q1): A significant positive growth rate (30.04%) likely reflects adjustments made during the initial phase of the pandemic.
 - 2020-'21 (Q2): The sector faced a decline (-5.75%) as the pandemic continued, impacting economic activities.
 - 2020-'21 (Q3): A recovery (5.84%) suggests adaptation to the ongoing challenges.
 - 2020-'21 (Q4): Another positive growth rate (20.67%) indicates further recovery and resilience.
 - 2022-'23 (Q1) to (Q4): The growth rates in these quarters vary, showing fluctuations in the sector's performance.

- **Summary:**

- The Electricity sector exhibits sensitivity to external events, showcasing fluctuations in growth rates during times of significant economic events such as, floods, and the COVID-19 pandemic.
- Resilience and recovery are evident in several quarters, indicating the sector's ability to adapt to challenging circumstances.
- Flood Year (2018-'19): The Electricity sector may have experienced disruption during the floods, leading to a recovery in the following quarter. The subsequent decline could be related to persistent challenges or infrastructure issues.
- COVID Year (2020-'21): The initial decline and subsequent recovery in the Electricity sector correlate with the timing and dynamics of the COVID-19 pandemic. Lockdowns and economic uncertainties likely impacted electricity demand, but subsequent rebounds may reflect adaptation and recovery efforts.

Chapter 4

Comparative Analysis: Month To Month Trends in the Index of Industrial Production

This chapter deals with a detailed examination of the Index of Industrial Production (IIP) in Kerala on a Month-to-Month basis over the period from 2015-'16 to 2022-'23. The monthly analysis is identifying trends, fluctuations, and key influencing factors impacting the industrial sector.

4.1 Monthly General Index of Industrial Production

| Year | Month | | | | | | | |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|
| | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
| April | 95.5 | 82.2 | 75.1 | 109.44 | 96.39 | 37.4 | 90.5 | 94.2 |
| May | 90 | 86.3 | 86.1 | 121.71 | 104.37 | 78.6 | 71.1 | 100.6 |
| June | 85 | 102.8 | 81.9 | 122.22 | 101.98 | 89.3 | 92.1 | 95.4 |
| July | 96.7 | 104.7 | 98.51 | 122.4 | 120.29 | 83.37 | 102.4 | 97.8 |
| August | 90 | 112.9 | 94.92 | 105.3 | 121.66 | 76.8 | 100 | 113.1 |
| September | 88.6 | 91.4 | 88.18 | 106 | 107.76 | 91.5 | 96.7 | 103.1 |
| October | 80.7 | 95.3 | 125.79 | 132.09 | 105.9 | 104.1 | 103.8 | 91.7 |
| November | 74.8 | 90.7 | 116 | 105.96 | 99.3 | 92.8 | 111 | 92.7 |
| December | 82.3 | 87.5 | 117.94 | 108.05 | 101.8 | 95.9 | 107.6 | 95.3 |
| January | 79.4 | 87.2 | 121.24 | 111.64 | 94.6 | 100.9 | 102.4 | 93.7 |
| February | 75.7 | 82 | 115.48 | 105.55 | 94.4 | 98.6 | 99.3 | 94.3 |
| March | 93.7 | 114.7 | 147.05 | 125.25 | 80.9 | 109.4 | 107.7 | 91.3 |
| Annual | 86.03 | 94.81 | 105.7 | 114.6 | 102.5 | 88.21 | 98.7 | 96.93 |

Table 4-1

4.1.1 General Index of Industrial Production - An overview

- Flood Affected (August 2018 and August 2019):**

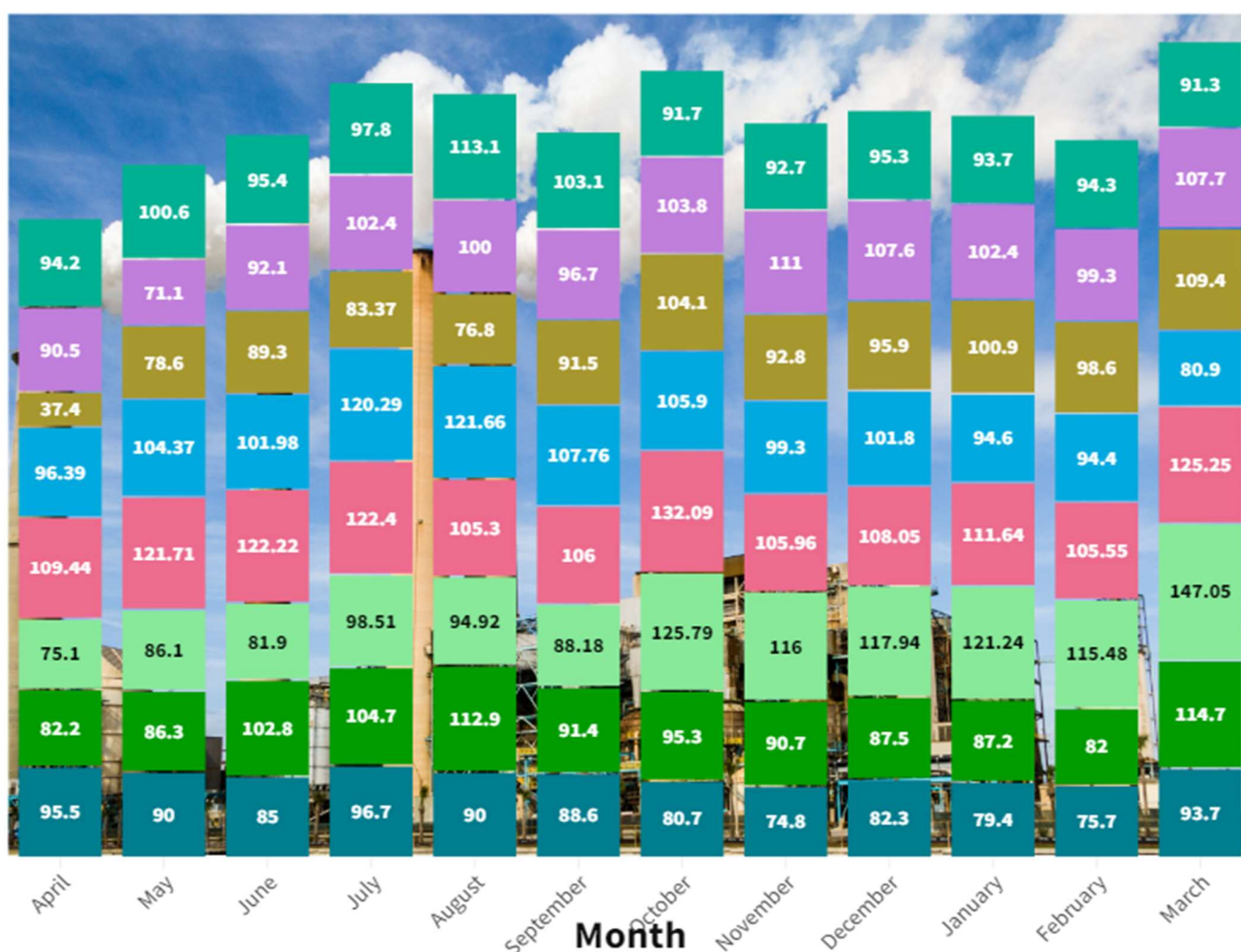
In August 2018 and September 2019, there was a decrease in the index from 122.4 to 105.3 and from 121.66 to 107.76 respectively, likely due to flooding.

- **COVID-19 Lockdown (April-June 2020 and April-May 2021):**

Values notably decreased during the COVID-19 lockdown from April to June 2020, reaching the lowest value in April (37.4), and then gradually recovered in the subsequent months. A similar impact was observed in April and May 2021, with lower values (90.5 and 71.1 respectively), indicating the effects of the COVID-19 lockdown.

Monthly General Index of Industrial Production from 2015-16 to 2022-23

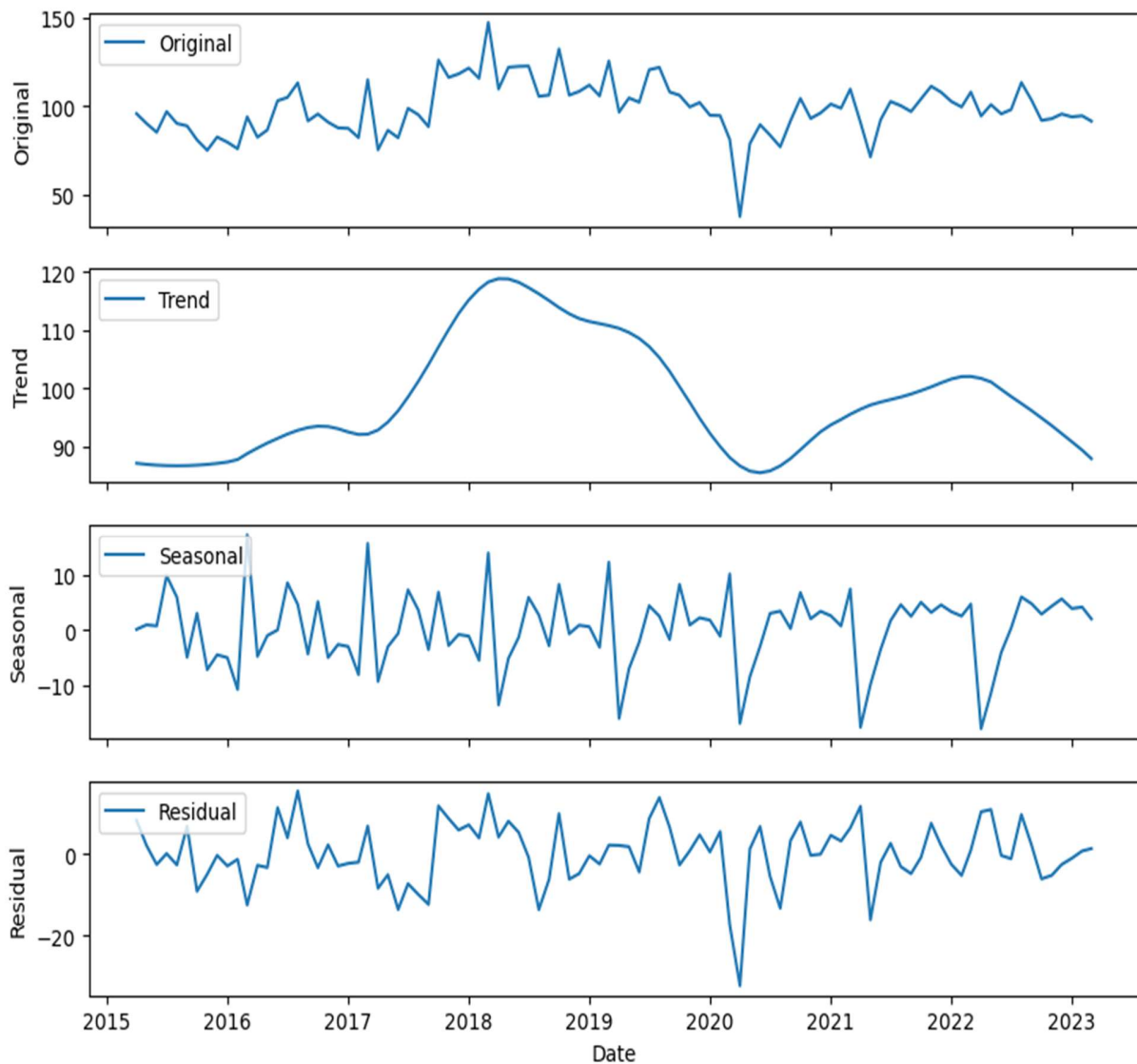
Year : 2015-16 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 2022-23



Graph 4-1

Fluctuations are observed, with some periods of decline likely influenced by economic events and external factors. The index shows a degree of resilience, with periods of recovery after downturns.

Graphical representation that highlights the trend and seasonal analysis made with python is as follows.



Graph 4-2

4.2 Monthly Manufacturing Sector Index of Industrial Production

| Year | | | | | | | | |
|---------------|-------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|
| Month | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
| April | 90.7 | 88.4 | 82.4 | 130.98 | 115.07 | 33.5 | 93.1 | 99.7 |
| May | 91.6 | 101.6 | 100.2 | 151.06 | 121.25 | 78.8 | 59.4 | 109.2 |
| June | 93.1 | 121.9 | 97.7 | 159.71 | 133.58 | 101.2 | 91.8 | 102.2 |
| July | 106.7 | 122.1 | 120.37 | 146.5 | 159.49 | 96.9 | 99.5 | 103.9 |
| August | 95.8 | 138.4 | 111.76 | 111.8 | 162.91 | 92.5 | 96.3 | 107.8 |
| September | 91.9 | 106.8 | 93.25 | 114.7 | 130.39 | 94.8 | 105.1 | 97.4 |
| October | 85.1 | 116.8 | 157.27 | 153.35 | 126.4 | 110.5 | 101.5 | 104.4 |
| November | 79.8 | 123.7 | 146.4 | 122.67 | 123 | 104 | 108.4 | 103.6 |
| December | 93.6 | 114.8 | 154.38 | 131.52 | 128 | 109.5 | 119.9 | 113.1 |
| January | 92.7 | 110.4 | 160.62 | 140.41 | 120.9 | 112.5 | 110.3 | 101.7 |
| February | 82.9 | 96.4 | 147.63 | 126.36 | 118.8 | 106.8 | 111.2 | 104.2 |
| March | 97.2 | 133.5 | 175.2 | 148.04 | 93.5 | 114.2 | 114.3 | 112.4 |
| Annual | 91.8 | 114.58 | 128.95 | 136.43 | 127.78 | 96.27 | 100.88 | 104.97 |

Table 4-2

4.2.1 Index of Industrial Production in Manufacturing Sector - An overview

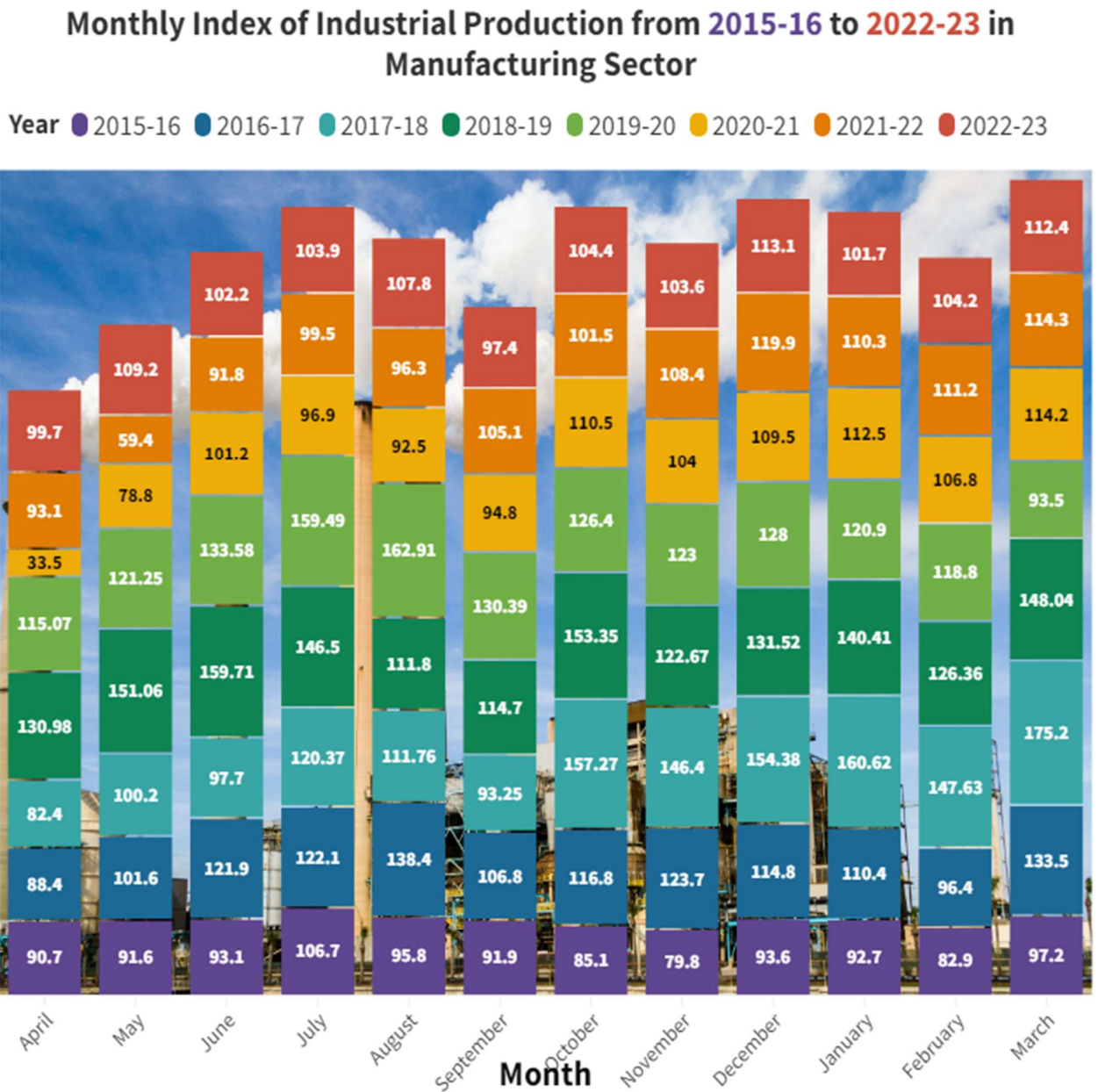
- **Floods (August 2018 and September 2019):**

There is a significant decline in the index in August 2018 (from 146.5 to 111.8) and September 2019 (from 162.91 to 130.39). The influence of flooding is evident during these months, followed by a recovery in the subsequent months.

- **COVID-19 Lockdown (2020 April-June 2021 April-May):**

In 2020, a significant dip is noted in April (from 93.5 to 33.5), May (78.8), and June (101.2), which corresponds to the COVID-19 lockdown period. A similar

trend is seen in April (from 114.2 to 59.4) and May (109.2) of 2021, aligning with the continued impact of the pandemic.

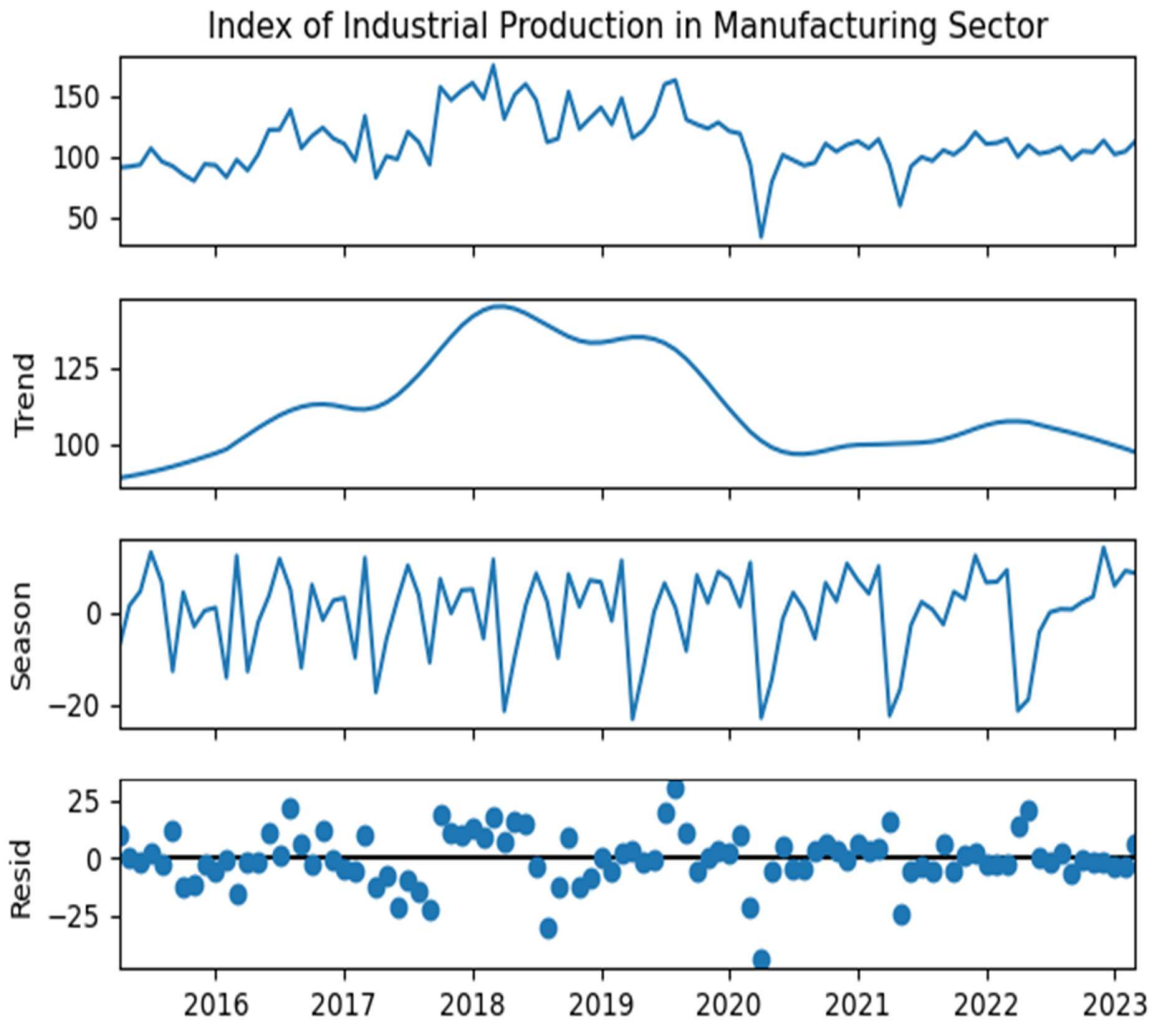


Graph 4-3

The graph shows that every April, the IIP of the manufacturing sector stays low. This might happen because factories count their stock at the end of the

financial year, and they still have leftover stock from the previous year's production.

Graphical representation that highlights the trend and seasonal analysis made with python is as follows.



Graph 4-4

4.3 Monthly Mining & Quarrying Sector Index of Industrial Production

| Year Month | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
|-----------------------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| April | 146 | 65.6 | 64.6 | 67.01 | 48.19 | 6.5 | 90.4 | 87.7 |
| May | 71.4 | 86.3 | 85.2 | 67.01 | 57.55 | 71.5 | 90.4 | 82.2 |
| June | 83.3 | 128.5 | 82.7 | 53.22 | 60.14 | 84.5 | 101.4 | 79.5 |
| July | 69.9 | 123.7 | 92.8 | 55 | 96.09 | 84.9 | 90.4 | 71.2 |
| August | 72 | 111.7 | 89.31 | 34.1 | 59.55 | 16.4 | 82.2 | 74 |
| September | 72.1 | 95.1 | 92.47 | 81.3 | 83.22 | 104.1 | 82.2 | 79.5 |
| October | 85.9 | 91.4 | 93.54 | 86.52 | 88.3 | 104.1 | 76.7 | 38.4 |
| November | 97.9 | 51 | 99.35 | 103.68 | 69.2 | 98.6 | 79.5 | 87.7 |
| December | 92 | 73.2 | 81.26 | 117.16 | 82 | 104.1 | 79.5 | 68.5 |
| January | 73.8 | 92.6 | 81.26 | 105.27 | 51.4 | 101.4 | 84.9 | 117.8 |
| February | 83.1 | 111.9 | 95.78 | 107.48 | 67 | 98.6 | 90.4 | 106.8 |
| March | 110.7 | 142.6 | 138.65 | 114.72 | 66.8 | 109.6 | 90.4 | 60.3 |
| Annual | 88.15 | 97.8 | 91.41 | 82.71 | 69.13 | 82.04 | 86.55 | 79.47 |

Table 4-3

4.3.1 Index of Industrial Production in Mining & Quarrying Sector - An overview

- **Kerala Floods (August 2018 and 2019):**

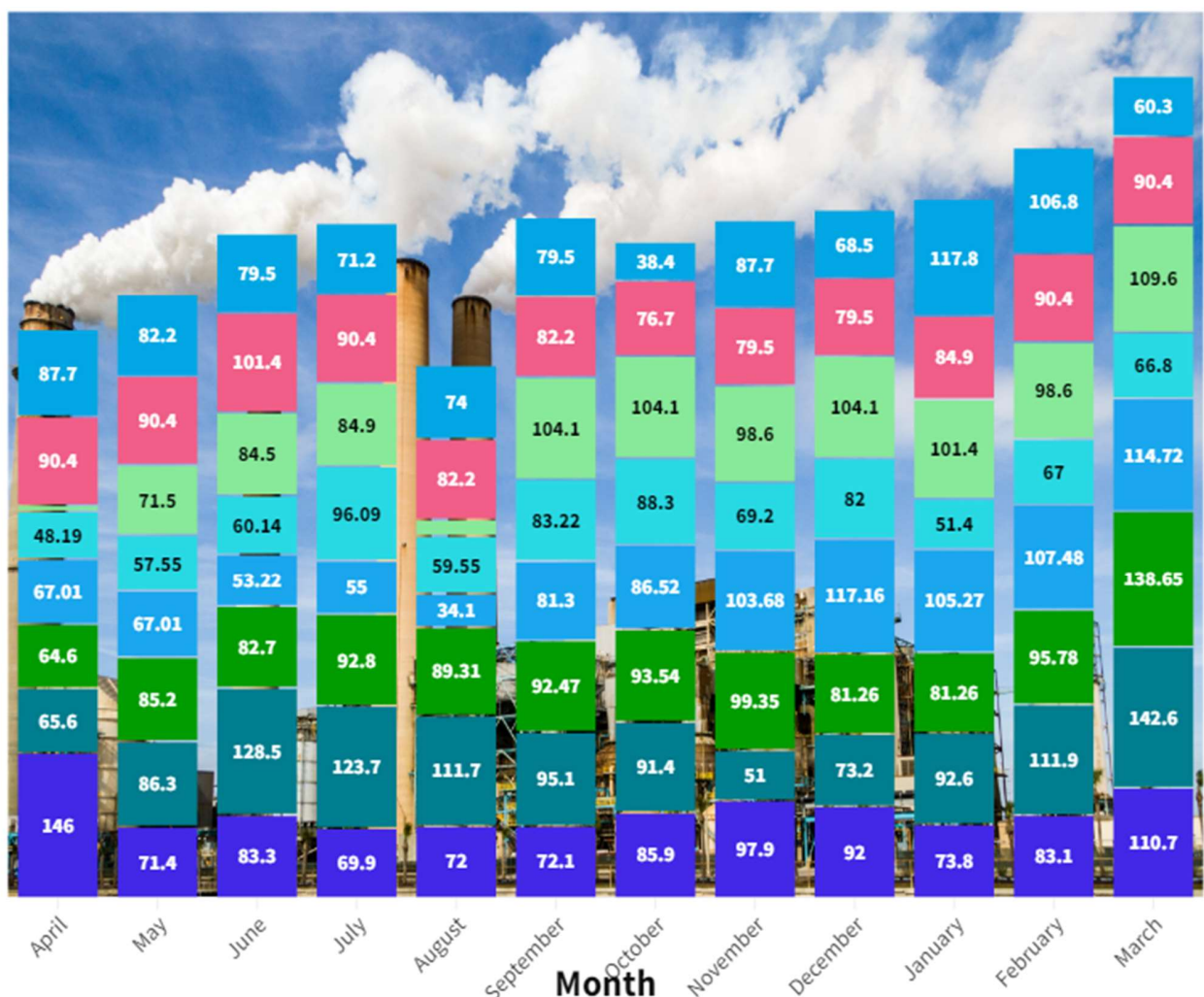
The data for August in both 2018 and 2019 reflects decreased values, indicating a possible influence of the Kerala floods during these months. In August 2018, there was a significant drop from 55 to 34.1, and in August 2019, the index declined from 96.09 to 59.55.

- **COVID-19 Pandemic (April-June 2020 and April-May 2021):**

In 2020, there was a significant drop in April and May, corresponding to the early stages of the COVID-19 pandemic. The data reflects fluctuations, notably a sharp decrease from 66.8 to 6.5 in April 2020, likely linked to the initial impact of the lockdown imposed due to the COVID-19 pandemic. Subsequent months exhibit a recovery in the production of the mining and quarrying sector.

Monthly Index of Industrial Production from 2015-16 to 2022-23 in Mining & Quarrying Sector

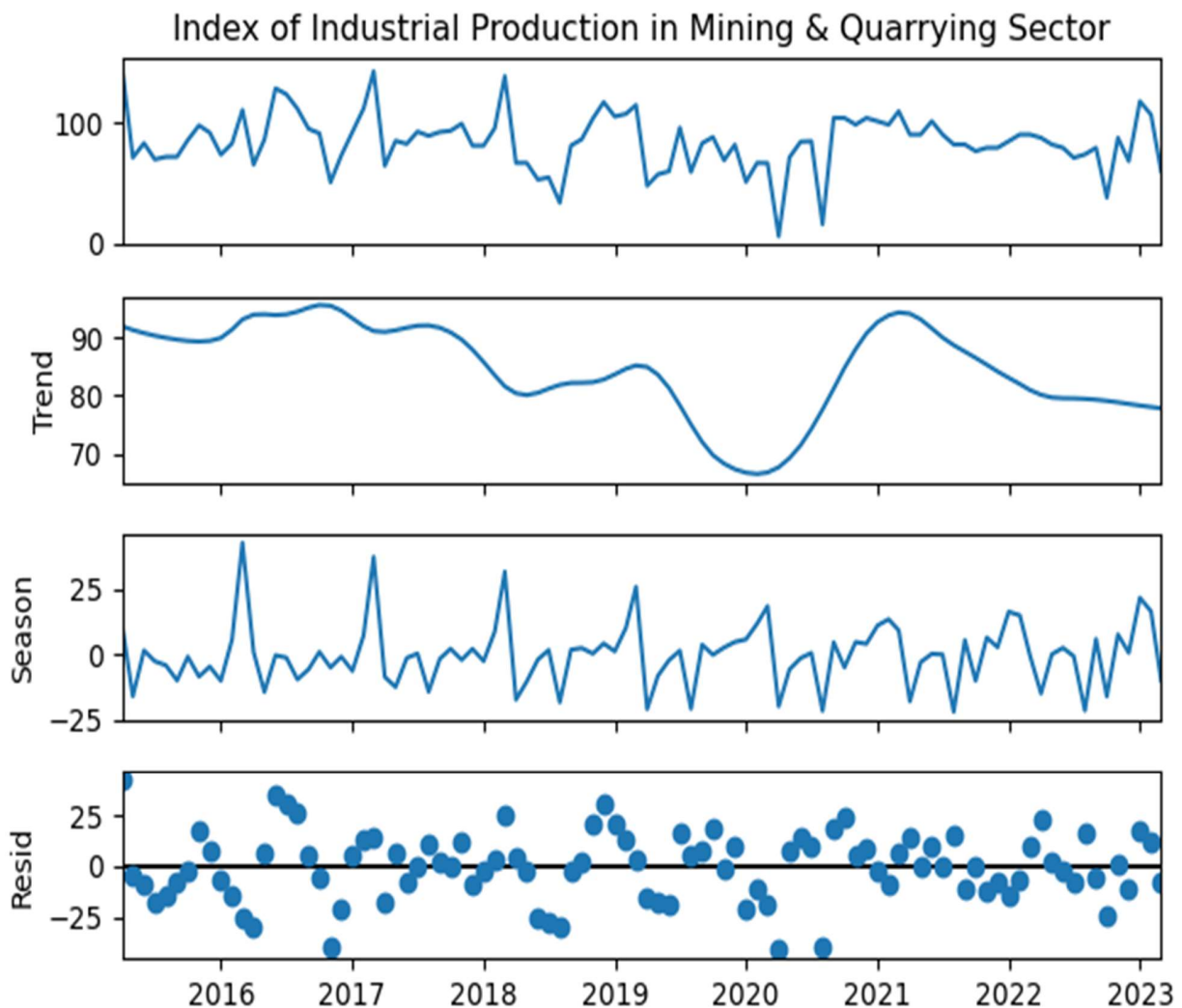
Year : 2015-16 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 2022-23



Graph 4-5

The annual values fluctuate, and there are variations in different years. This indicates the presence of other factors influencing the overall annual trends. Monthly values show variations throughout the years, suggesting potential seasonality or other cyclical factors. This could involve visualizing the data through graphs, pinpointing trends, and evaluating the repercussions of these occurrences on the Mining & Quarrying sector index.

Additionally, consider presenting a graphical representation that highlights the trend and includes a seasonal analysis made with python.



Graph 4-6

4.4 Monthly Electricity Sector Index of Industrial Production

| Year Month | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
|---------------|--------------|-------------|-------------|--------------|--------------|--------------|---------------|--------------|
| April | 78.8 | 76.1 | 62.8 | 79.68 | 77.02 | 64.7 | 84.2 | 84.2 |
| May | 96.4 | 48.2 | 51.3 | 79.44 | 88.68 | 82.1 | 89.6 | 89.7 |
| June | 65.6 | 40.8 | 41.9 | 67.7 | 46.83 | 62.3 | 87.7 | 87.7 |
| July | 87 | 50.7 | 47.29 | 100.5 | 36.31 | 48.3 | 116.6 | 97.7 |
| August | 85.7 | 50.1 | 56.12 | 128.4 | 53.91 | 71.7 | 119.3 | 148.1 |
| September | 89.7 | 51 | 73.11 | 98.4 | 65.23 | 76.2 | 84.1 | 130.6 |
| October | 66.9 | 44 | 65.54 | 104.83 | 64.7 | 88.1 | 124.7 | 90.3 |
| November | 49.3 | 30.9 | 49.69 | 65.62 | 57.4 | 61.7 | 135.1 | 68.3 |
| December | 48.6 | 27.6 | 47.87 | 44.45 | 47.8 | 57.6 | 92.7 | 65.8 |
| January | 49.6 | 26.4 | 45.69 | 43.56 | 53.7 | 71.5 | 92.7 | 60 |
| February | 53.7 | 29.3 | 46.54 | 52.63 | 49 | 78.2 | 74.6 | 62.5 |
| March | 75.5 | 52.2 | 81.68 | 74.45 | 57.5 | 97.3 | 100.8 | 56.1 |
| Annual | 70.58 | 43.9 | 55.8 | 78.31 | 58.17 | 71.63 | 100.18 | 86.75 |

Table 4-4

4.4.1 Index of Industrial Production in Electricity Sector - An overview

- **Kerala Floods (August 2018 and 2019):**

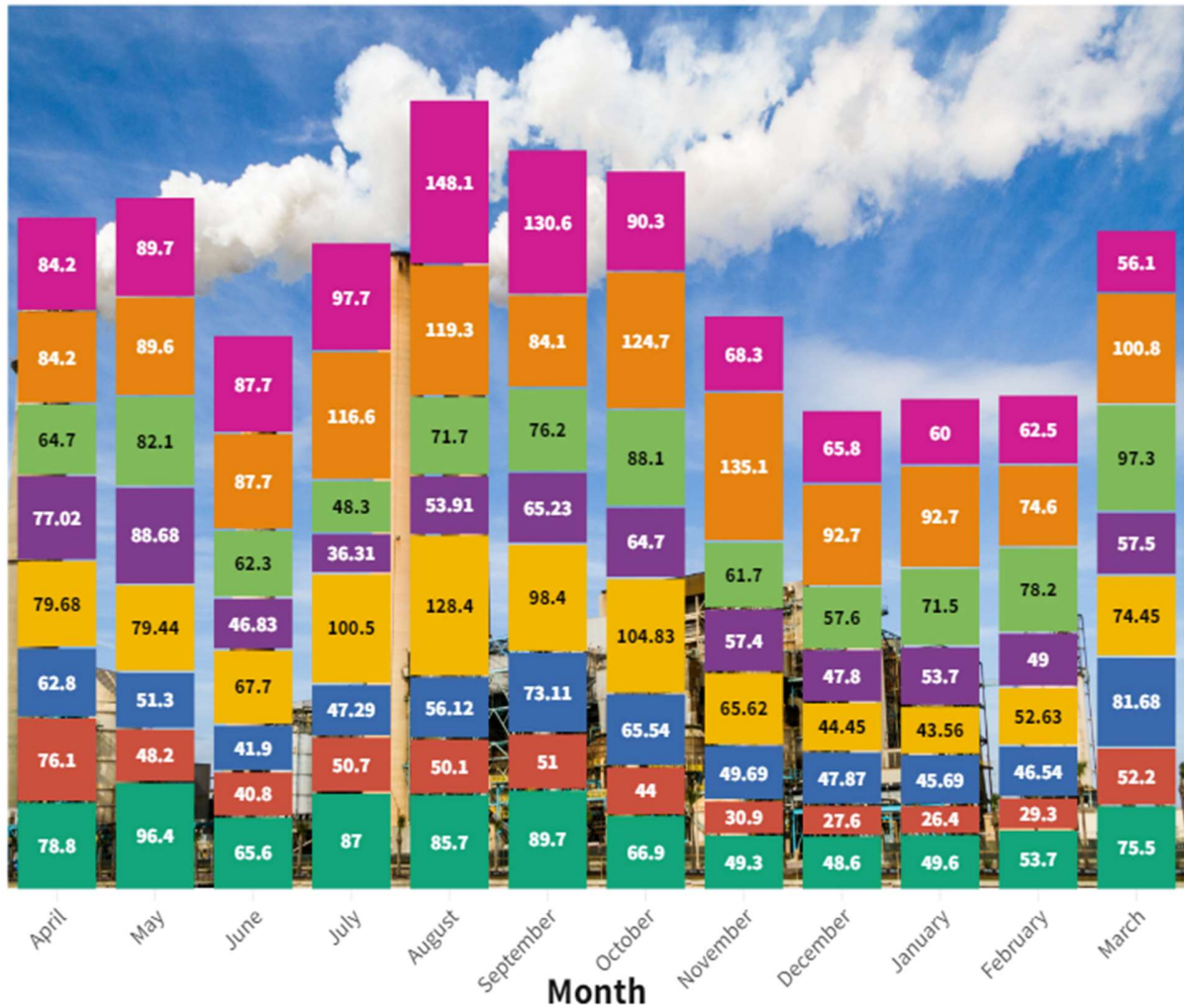
Visible impacts in August 2018 and 2019, particularly the increase in indices from 100.5 to 128.4 in August 2018 and from 36.31 to 53.91 in August 2019, directly correlate with the impact of the flood.

- **COVID-19 Pandemic (April-June 2020, April-May 2021):**

From the indices, there is no apparent impact shown in the production in the electricity sector due to COVID-19.

Monthly Index of Industrial Production from 2015-16 to 2022-23 in Electricity Sector

Year : 2015-16 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 2022-23

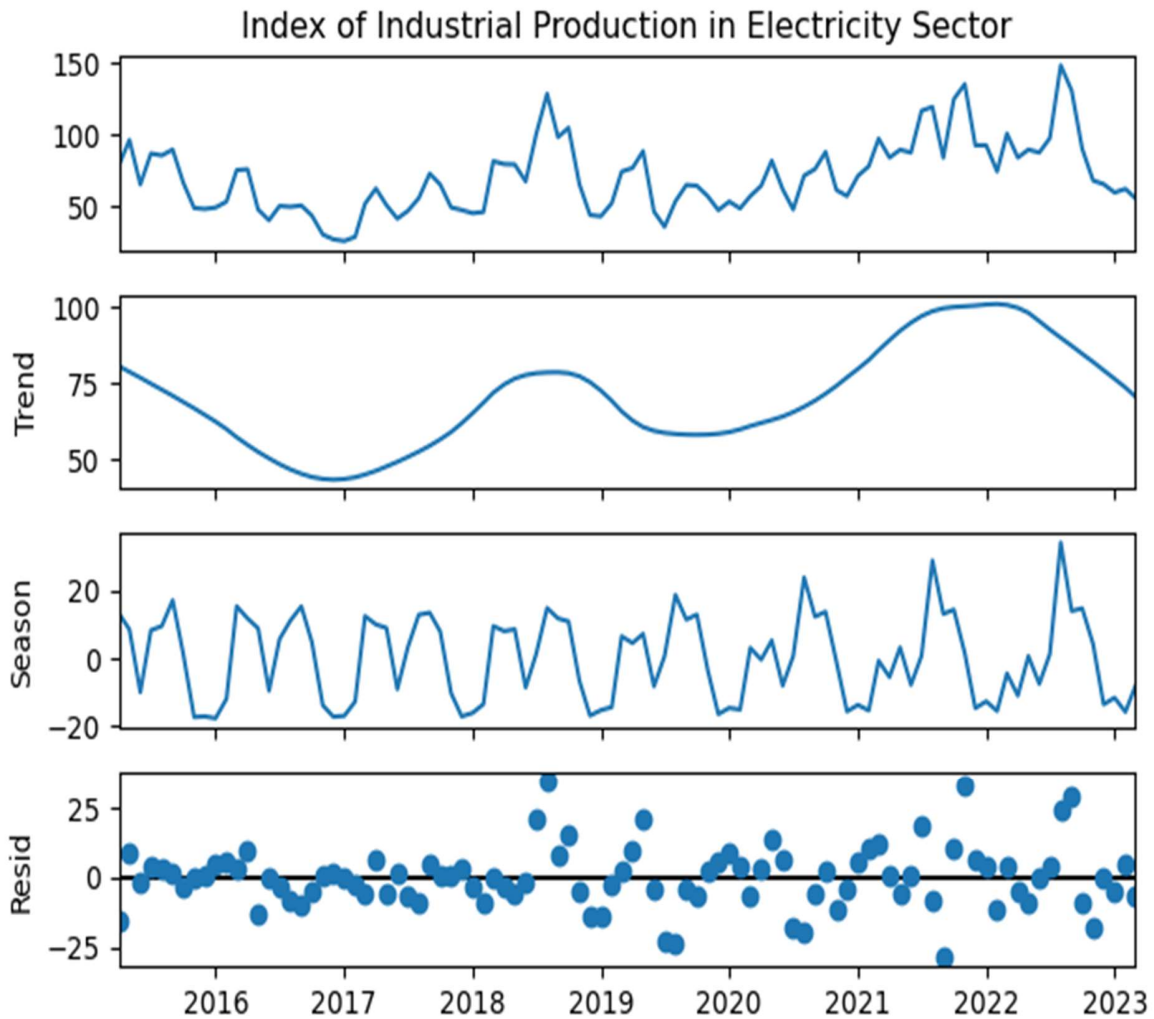


Graph 4-7

Overall, there are fluctuations in the indices throughout the years, possibly influenced by economic factors, policy changes, or other external events. Notable variations in specific months suggest the sensitivity of the indices to external factors. This could involve visualizing the data through graphs, pinpointing

trends, and evaluating the repercussions of these occurrences on the Mining & Quarrying sector index.

Additionally, consider presenting a graphical representation that highlights the trend and includes a seasonal analysis made with python.



Graph 4-8

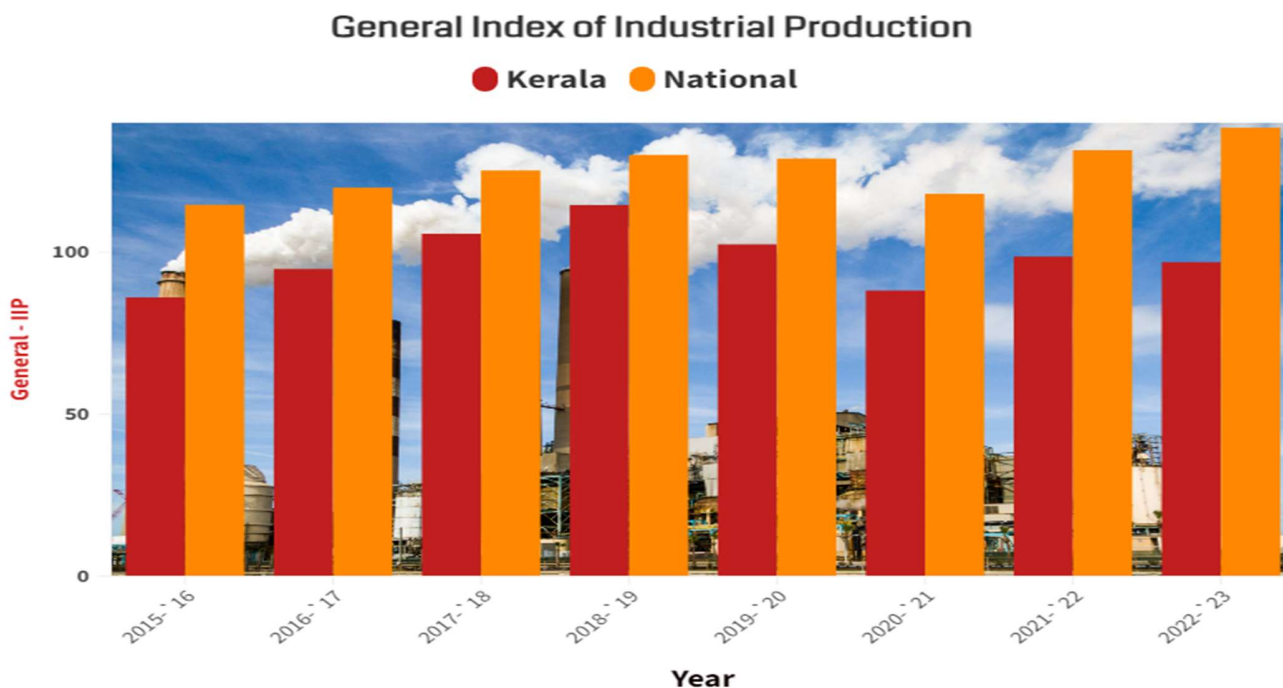
Chapter 5

Index of Industrial Production - Kerala v/s National Scenario

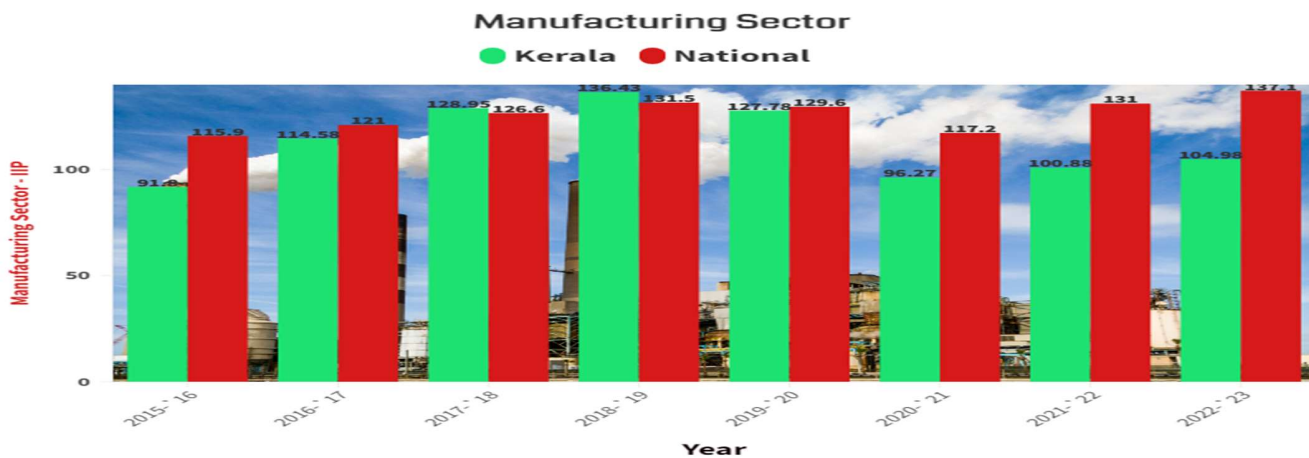
This chapter provides a comparison between the National and Kerala Index of Industrial Production (IIP). Economics and Statistics Department calculate and publishes the Index of Industrial Production (IIP) in Kerala, while the Ministry of Statistics & Programme Implementation (MoSPI) releases the All-India Index of Industrial Production.

| Index of Industrial Production | | | | | | | | |
|--------------------------------|---------------|----------|----------------------|----------|-------------|----------|---------|----------|
| Year | Manufacturing | | Mining and Quarrying | | Electricity | | General | |
| | Kerala | National | Kerala | National | Kerala | National | Kerala | National |
| 2015-'16 | 91.8 | 115.9 | 88.15 | 97.3 | 70.58 | 133.8 | 86.05 | 114.7 |
| 2016-'17 | 114.58 | 121.0 | 97.8 | 102.5 | 43.9 | 141.6 | 94.8 | 120.0 |
| 2017-'18 | 128.95 | 126.6 | 91.41 | 104.9 | 55.8 | 149.2 | 105.68 | 125.3 |
| 2018-'19 | 136.43 | 131.5 | 82.71 | 107.9 | 78.31 | 156.9 | 114.63 | 130.1 |
| 2019-'20 | 127.78 | 129.6 | 69.13 | 109.6 | 58.17 | 158.4 | 102.45 | 129.0 |
| 2020-'21 | 96.27 | 117.2 | 82.04 | 101.0 | 71.63 | 157.6 | 88.21 | 118.1 |
| 2021-'22 | 100.88 | 131.0 | 86.55 | 113.3 | 100.18 | 170.1 | 98.7 | 131.6 |
| 2022-'23 | 104.98 | 137.1 | 79.47 | 119.9 | 86.75 | 185.2 | 96.94 | 138.5 |

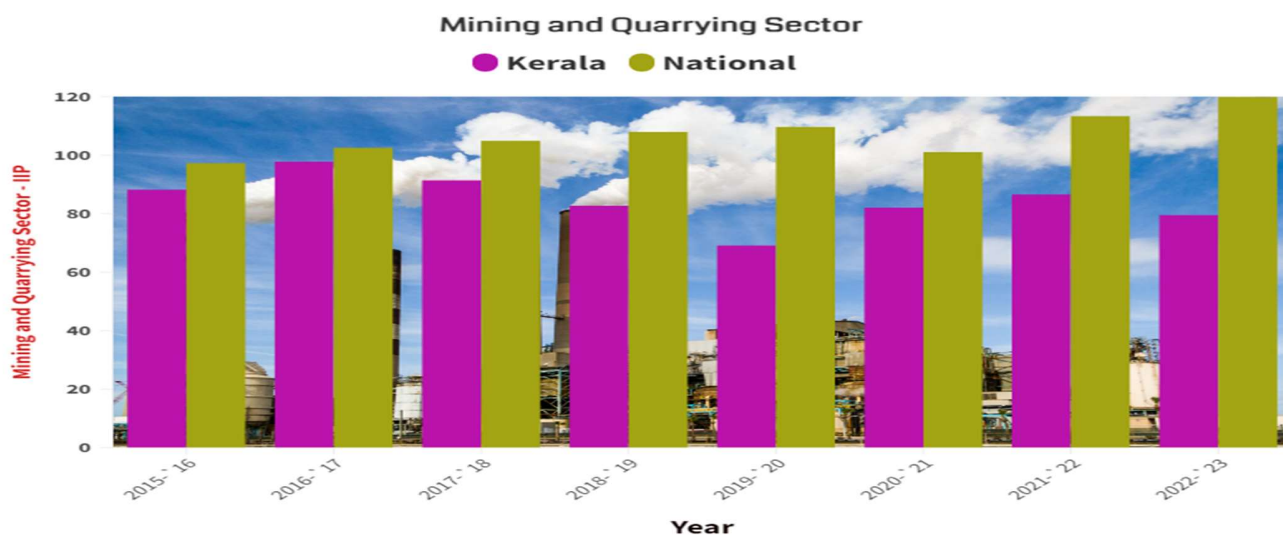
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**Table 6-1: Annual IIP in the Manufacturing Sector for Kerala
(NIC 2-Digit Level) from 2015- '16 to 2022- '23
(Base Year: 2011-'12)**

| NIC 2 digit | Description | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 |
|--------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 10 | Manufacture of Food Products | 82.7 | 154.1 | 93.7 | 101.92 | 111 | 90.2 | 90 | 101.3 |
| 11 | Manufacture of Beverages | 86.9 | 78.3 | 87.7 | 95.9 | 86.9 | 68.8 | 73.3 | 158.4 |
| 12 | Manufacture of Tobacco Products | 64.4 | 63.4 | 41.5 | 19.2 | 21.4 | 12.1 | 5.8 | 26.3 |
| 13 | Manufacture of Textiles | 107.3 | 103.8 | 105.6 | 91.35 | 96.8 | 87.6 | 99 | 105.1 |
| 14 | Manufacture of Wearing Apparel | 108.3 | 119.9 | 124.7 | 117.38 | 158.4 | 93.2 | 140.4 | 89.8 |
| 15 | Manufacture of Leather & related products | 229.6 | 154.8 | 196.9 | 172.27 | 162.5 | 161.2 | 104.1 | 127.7 |
| 16 | Manufacture of Wood & Products | 121 | 115.5 | 117.6 | 130.05 | 130.3 | 119.7 | 153.3 | 167.2 |
| 17 | Manufacture of Paper & Paper Products | 97 | 90.1 | 68.5 | 48.29 | 74.5 | 62.9 | 82.1 | 74.9 |
| 18 | Printing & Reproduction of recorded media | 69.3 | 64.8 | 56.5 | 50.18 | 47 | 43 | 42.8 | 41.1 |
| 19 | Manufacture of Coke & Refined petroleum Products | 114 | 128 | 153.9 | 170.02 | 141.9 | 60.6 | 79.2 | 51.6 |
| 20 | Manufacture of Chemicals & Chemical Products | 86.7 | 120.2 | 119.2 | 118.64 | 139.8 | 130 | 113 | 112.7 |

**Table 6-1 (Contd): Annual IIP in the Manufacturing Sector for Kerala
(NIC 2-Digit Level) from 2015- '16 to 2022- '23
(Base Year: 2011-12)**

| NIC 2 digit | Description | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 |
|----------------------|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 21 | Manufacture of Pharmaceuticals, medicinal chemical & botanical Products | 157.1 | 155 | 1374.7 | 1472.16 | 599.7 | 192.1 | 275.8 | 339.4 |
| 22 | Manufacture of Rubber & Plastic Products | 89.2 | 93.5 | 93.2 | 101.49 | 105.5 | 86.4 | 97 | 102.4 |
| 23 | Manufacture of other non-metallic mineral Products | 103.6 | 101.9 | 105.5 | 112.08 | 101.9 | 87.7 | 98.3 | 94.1 |
| 24 | Manufacture of Basic Metals | 84.5 | 87.1 | 99.3 | 111.34 | 87.1 | 75.7 | 86.1 | 103.7 |
| 25 | Manufacture of Fabricated metal Products, except machinery & equipment | 108.6 | 110.6 | 107.2 | 115.29 | 110.6 | 109.1 | 92.1 | 78.3 |
| 26 | Manufacture of Computer, Electronic & Optical Products | 73.4 | 86.4 | 78.2 | 80.33 | 86.4 | 67.8 | 96 | 84.7 |
| 27 | Manufacture of Electrical Equipment | 163.3 | 188.6 | 185.9 | 283.24 | 188.6 | 222.2 | 289.6 | 294.7 |
| 28 | Manufacture of Machinery & Equipment n.e.c. | 78.7 | 72.4 | 86.4 | 71.34 | 72.4 | 97.9 | 99.1 | 69.6 |
| 29 | Manufacture of Motor vehicles, trailers & semi-trailers | 116.3 | 131.3 | 108.1 | 143.91 | 131.3 | 99.9 | 103.8 | 117 |
| 30 | Manufacture of other transport equipment | 37.5 | 82.6 | 58.7 | 98.11 | 82.6 | 103 | 57.2 | 50.4 |
| 31 | Manufacture of Furniture | 55.3 | 51.9 | 49.5 | 32 | 51.9 | 0 | 0 | 0 |
| 32 | Other manufacturing | 156.6 | 169.8 | 173.2 | 126.6 | 169.8 | 82.8 | 92.4 | 122.6 |
| Manufacturing | | 91.8 | 114.6 | 129 | 136.43 | 127.8 | 96.3 | 100.9 | 105 |

Table 6-2: Annual Index of Industrial Production – Kerala in Manufacturing Sector (NIC 3-Digit Level) for the Period 2015-16 to 2022-23 (Base Year: 2011-12)

| NIC 3 digit | Description | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 |
|--------------------|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 102 | Processing and preserving of fish, crustaceans and molluscs and products thereof | 107 | 227 | 146.32 | 147.42 | 102.7 | 89.7 | 92.1 | 132.6 |
| 103 | Processing and preserving of fruit and vegetables | 47 | 61 | 47.32 | 43.98 | 173.6 | 129 | 96.7 | 303.8 |
| 104 | Manufacture of vegetable and animal oils and fats | 81.9 | 93.2 | 75.75 | 53.83 | 27.5 | 32.4 | 32.2 | 44.8 |
| 105 | Manufacture of dairy products | 100.2 | 101.2 | 98.4 | 96.24 | 99 | 98.2 | 87.6 | 80.4 |
| 106 | Manufacture of grain mill products, starches and starch products | 132.5 | 114.2 | 105.92 | 98.29 | 104 | 108.2 | 118.2 | 120.4 |
| 107 | Manufacture of other food products | 70.3 | 149.5 | 80.94 | 90.9 | 104.7 | 90 | 90.6 | 100.5 |
| 108 | Manufacture of prepared animal feeds | 112.8 | 119 | 136.2 | 346.85 | 343.2 | 114.5 | 122.3 | 112.3 |
| 110 | Manufacture of beverages | 86.9 | 78.3 | 87.73 | 95.34 | 86.9 | 68.8 | 73.3 | 158.4 |
| 120 | Manufacture of tobacco products | 64.4 | 63.4 | 41.47 | 19.19 | 21.4 | 12.1 | 5.8 | 26.3 |
| 131 | Spinning, weaving and finishing of textiles | 107.5 | 100.5 | 94.51 | 81.69 | 92.9 | 74.1 | 89.1 | 117.5 |
| 139 | Manufacture of other textiles | 106.9 | 110.5 | 128.11 | 110.89 | 104.7 | 114.9 | 118.9 | 80.1 |
| 141 | Manufacture of wearing apparel, except fur apparel | 108.3 | 119.9 | 124.7 | 117.38 | 158.4 | 93.2 | 140.4 | 89.8 |
| 151 | Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur | 408.9 | 110.3 | 194.76 | 169.28 | 211.7 | 5.7 | 0 | 0 |
| 152 | Manufacture of footwear | 183.9 | 166.1 | 197.46 | 173.04 | 149.9 | 165.6 | 104.1 | 127.7 |
| 161 | Saw milling and planing of wood | 86.9 | 82.1 | 67.81 | 69.46 | 70.5 | 74.6 | 82.5 | 63.2 |
| 162 | Manufacture of products of wood, cork, straw and plaiting materials | 130.7 | 124.9 | 131.75 | 147.26 | 147.3 | 132.4 | 173.3 | 196.7 |
| 170 | Manufacture of paper and paper products | 97 | 90.1 | 68.47 | 48.36 | 74.5 | 62.9 | 80.6 | 74.9 |

Table 6-2 (Contd): Annual Index of Industrial Production – Kerala in Manufacturing Sector (NIC 3-Digit Level) for the Period 2015-16 to 2022-23 (Base Year: 2011-12)

| NIC 3 digit | Description | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 |
|--------------------|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 181 | Printing and service activities related to printing | 69.3 | 64.8 | 56.54 | 50.18 | 47 | 43 | 42.8 | 41.1 |
| 191 | Manufacture of coke oven products | 170.3 | 199.3 | 203.44 | 218.99 | 233.5 | 226.8 | 257.1 | 241.2 |
| 192 | Manufacture of refined petroleum products | 110.7 | 123.8 | 150.95 | 167.15 | 136.5 | 50.9 | 68.8 | 40.5 |
| 201 | Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms | 79.9 | 106.4 | 100.76 | 99.24 | 123.8 | 129.7 | 120.9 | 125.4 |
| 202 | Manufacture of other chemical products | 122 | 191.7 | 214.45 | 219.07 | 222.7 | 131.7 | 72.2 | 47.3 |
| 210 | Manufacture of pharmaceuticals, medicinal chemical and botanical products | 157.1 | 155 | 1374.7 | 1433.5 | 599.7 | 192.1 | 275.8 | 339.4 |
| 221 | Manufacture of rubber products | 82.1 | 87.4 | 91.43 | 91.9 | 85.5 | 84.3 | 91.6 | 94.9 |
| 222 | Manufacture of plastics products | 113.6 | 114.5 | 99.3 | 134.16 | 173.6 | 93.4 | 115.2 | 128.3 |
| 231 | Manufacture of glass and glass products | 130.3 | 107.7 | 91.2 | 80.85 | 109.8 | 87.9 | 136.6 | 147.7 |
| 239 | Manufacture of non-metallic mineral products | 103.5 | 101.9 | 105.6 | 112.24 | 96.4 | 87.7 | 98.1 | 93.8 |
| 241 | Manufacture of basic iron and steel | 79.6 | 85.5 | 95.72 | 106.33 | 83.3 | 71.9 | 74.7 | 80 |
| 242 | Manufacture of basic precious and other non-ferrous metals | 90 | 85.6 | 131.14 | 49.19 | 0 | 0 | 0 | 0 |
| 243 | Casting of metals | 103.9 | 93.6 | 112.58 | 132.68 | 141.7 | 91.1 | 131 | 197 |
| 251 | Manufacture of structural metal products, tanks, reservoirs and steam generators | 109.4 | 113.1 | 67.5 | 62.23 | 48.2 | 60 | 48.4 | 31.4 |
| 259 | Manufacture of other fabricated metal products; metalworking service activities | 108.1 | 109.3 | 127.34 | 142.27 | 153.1 | 134.1 | 114.4 | 102.1 |
| 261 | Manufacture of electronic components | 85.8 | 114.6 | 104.96 | 110.81 | 71.7 | 90.9 | 119.6 | 110.1 |

Table 6-2 (Contd): Annual Index of Industrial Production – Kerala in Manufacturing Sector (NIC 3-Digit Level) for the Period 2015-16 to 2022-23 (Base Year: 2011-12)

| NIC 3 digit | Description | 2015-'16 | 2016-'17 | 2017-'18 | 2018-'19 | 2019-'20 | 2020-'21 | 2021-'22 | 2022-'23 |
|--------------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 262 | Manufacture of computers and peripheral equipment | 104.9 | 61.3 | 7.35 | 0 | 0 | 0 | 0 | 0 |
| 263 | Manufacture of communication equipment | 10 | 17 | 13.28 | 6.78 | 1 | 3.3 | 2.2 | 1.5 |
| 265 | Manufacture of measuring, testing, navigating and control equipment; watches and clocks | 97.5 | 63.7 | 78.44 | 80.28 | 91.6 | 66 | 70.9 | 88.5 |
| 271 | Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus | 161.5 | 169.7 | 197.69 | 314.85 | 329 | 217.1 | 315.8 | 298.7 |
| 272 | Manufacture of batteries and accumulators | 71.6 | 142.7 | 233.62 | 250.32 | 205.4 | 209.8 | 108.8 | 156.6 |
| 273 | Manufacture of wiring and wiring devices | 228.3 | 443.2 | 150.68 | 188.37 | 197 | 289.2 | 76.4 | 133.5 |
| 274 | Manufacture of electric lighting equipment | 104.8 | 66.4 | 57.51 | 1.82 | 0 | 0 | 0 | 0 |
| 281 | Manufacture of general-purpose machinery | 138.5 | 77.8 | 148.04 | 56.18 | 72.1 | 169.1 | 127.2 | 127.4 |
| 282 | Manufacture of special-purpose machinery | 64.8 | 71.1 | 72 | 74.87 | 88.8 | 81.4 | 92.5 | 56.1 |
| 292 | Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers | 123.5 | 144.7 | 120.45 | 140.91 | 150 | 104.5 | 92.5 | 109.9 |
| 293 | Manufacture of parts and accessories for motor vehicles | 90.7 | 84.1 | 64.39 | 154.55 | 155.7 | 83.3 | 101.2 | 142.3 |
| 301 | Building of ships and boats | 37.5 | 82.6 | 58.71 | 98.11 | 293.6 | 103 | 57.2 | 50.4 |
| 310 | Manufacture of furniture | 55.3 | 51.9 | 49.49 | 32 | 11.1 | 0 | 0 | 0 |
| 321 | Manufacture of jewellery, bijouterie and related articles | 134.9 | 104.5 | 161.63 | 138.69 | 90.4 | 46 | 33.6 | 38.5 |
| 325 | Manufacture of medical and dental instruments and supplies | 139.9 | 190.2 | 176.12 | 83.02 | 99.6 | 78.4 | 108.1 | 184.4 |
| 329 | Other manufacturing n.e.c.(not elsewhere classification) | 202.5 | 200.6 | 176.69 | 181.56 | 172.6 | 124.3 | 113.8 | 108.1 |

Table 6-3 (a): Monthly Indices of NIC 2-Digit for the 2015-'16

| NIC 2 Digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 10 | Manufacture of Food Products | 88.6 | 90.3 | 89.5 | 89.7 | 87.8 | 86 | 75.6 | 63.5 | 80.7 | 90.5 | 78 | 72.9 | 82.7 |
| 11 | Manufacture of Beverages | 74.7 | 90.3 | 93.7 | 92.6 | 69.6 | 72.9 | 92 | 83.4 | 82 | 98.4 | 95.1 | 98.5 | 86.9 |
| 12 | Manufacture of Tobacco Products | 62.8 | 67.4 | 69.3 | 85 | 73.5 | 61.9 | 67.1 | 58.9 | 56.8 | 58.9 | 55.1 | 55.9 | 64.4 |
| 13 | Manufacture of Textiles | 84.4 | 85.3 | 93.9 | 129.4 | 90.7 | 93.7 | 131.4 | 129.7 | 120.6 | 117.5 | 103.8 | 107.2 | 107.3 |
| 14 | Manufacture of Wearing Apparel | 39.1 | 15.3 | 135.2 | 99.9 | 88.4 | 155.8 | 41.3 | 110.2 | 127.1 | 107.6 | 75.5 | 304.6 | 108.3 |
| 15 | Manufacture of Leather & related products | 471.1 | 211 | 188.6 | 176.6 | 167.1 | 199.4 | 220.7 | 201.3 | 204.2 | 226.6 | 226.7 | 262.2 | 229.6 |
| 16 | Manufacture of Wood & Products | 139.7 | 115.2 | 95.7 | 139.2 | 109.9 | 108 | 117.1 | 116 | 132.7 | 141.9 | 117.7 | 119.4 | 121 |
| 17 | Manufacture of Paper & Paper Products | 88.7 | 95.4 | 90.9 | 103.9 | 107.2 | 98.2 | 98 | 93.8 | 93.1 | 93.6 | 108.2 | 93.5 | 97 |
| 18 | Printing & Reproduction of recorded media | 49.2 | 62.8 | 44.1 | 119.7 | 76.5 | 98.5 | 90.8 | 54 | 68.4 | 49.4 | 55.6 | 62.7 | 69.3 |
| 19 | Manufacture of Coke & Refined petroleum Products | 112.6 | 116.4 | 110.7 | 110.3 | 120.2 | 110.4 | 89.6 | 113.5 | 126.5 | 120.5 | 114 | 123.2 | 114 |
| 20 | Manufacture of Chemicals & Chemical Products | 96 | 86.8 | 105.5 | 136 | 115.3 | 92 | 58.2 | 69.7 | 94.6 | 70.9 | 40 | 75.8 | 86.7 |
| 21 | Manufacture of Pharmaceuticals, medicinal chemical & botanical Products | 188.3 | 258.8 | 200 | 135.3 | 129 | 114.5 | 122.3 | 103.5 | 152.2 | 136.5 | 122.4 | 222.2 | 157.1 |
| 22 | Manufacture of Rubber & Plastic Products | 74.2 | 74.5 | 87.3 | 98.2 | 88 | 88.9 | 92.8 | 86.6 | 95.5 | 99.2 | 98.1 | 87.3 | 89.2 |
| 23 | Manufacture of other non-metallic mineral Products | 99.4 | 100.6 | 86.3 | 100.6 | 98.1 | 88.9 | 110.2 | 95.7 | 110.8 | 114.6 | 116.4 | 121.8 | 103.6 |
| 24 | Manufacture of Basic Metals | 98.5 | 90.5 | 90.8 | 83.2 | 81.7 | 82.2 | 83.8 | 67 | 81.6 | 86.7 | 85.3 | 82.9 | 84.5 |
| 25 | Manufacture of Fabricated metal Products, except machinery & equipment | 92.3 | 125.7 | 107.2 | 110.7 | 105.5 | 115 | 86.4 | 100.8 | 111.8 | 120.1 | 109.1 | 118.3 | 108.6 |
| 26 | Manufacture of Computer, Electronic & Optical Products | 68 | 90.7 | 71.9 | 65.8 | 95.5 | 75.5 | 69.7 | 53.6 | 66.8 | 58.5 | 64.4 | 100.4 | 73.4 |
| 27 | Manufacture of Electrical Equipment | 168.7 | 164.5 | 172.6 | 184.6 | 144.3 | 177 | 167.4 | 138.3 | 146.9 | 145.8 | 167.8 | 181.3 | 163.3 |
| 28 | Manufacture of Machinery & Equipment n.e.c. | 88.8 | 53.1 | 66.3 | 92.7 | 56.3 | 80.7 | 67.2 | 59.1 | 68.1 | 77.4 | 92.2 | 142.4 | 78.7 |
| 29 | Manufacture of Motor vehicles, trailers & semi-trailers | 113.2 | 102.4 | 100.1 | 108 | 108.7 | 89 | 103.6 | 110.7 | 111.2 | 151.6 | 157.8 | 138.9 | 116.3 |
| 30 | Manufacture of other transport equipment | 9.1 | 45.5 | 22.7 | 40.9 | 36.4 | 22.7 | 36.4 | 18.2 | 13.6 | 72.7 | 54.5 | 77.3 | 37.5 |
| 31 | Manufacture of Furniture | 70.9 | 70.1 | 70.3 | 87.7 | 55.6 | 72.4 | 53.7 | 40.7 | 45.8 | 35.5 | 31.2 | 30.1 | 55.3 |
| 32 | Other manufacturing | 143.4 | 172.8 | 147.1 | 146 | 171.5 | 144 | 141.2 | 152.6 | 140.4 | 165.4 | 118.5 | 236.2 | 156.6 |
| | Manufacturing | 90.7 | 91.6 | 93.1 | 106.7 | 95.8 | 91.9 | 85.1 | 79.8 | 93.6 | 92.7 | 82.9 | 97.2 | 91.8 |

Table 6-3 (b): Monthly Indices of NIC 2-Digit for the 2016-'17

| NIC 2 Digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|
| 10 | Manufacture of Food Products | 83.5 | 110.3 | 164.9 | 190.9 | 240.3 | 127.3 | 161.9 | 188.3 | 171.8 | 148.2 | 116.3 | 145.6 | 154.1 |
| 11 | Manufacture of Beverages | 86.6 | 104.2 | 95.8 | 78.3 | 91.3 | 42.7 | 89.1 | 66.6 | 67.2 | 84.1 | 50.8 | 83.4 | 78.3 |
| 12 | Manufacture of Tobacco Products | 66.7 | 65.1 | 76.6 | 82.5 | 71.9 | 60.1 | 64.6 | 58.3 | 62.7 | 46.7 | 43.2 | 62.3 | 63.4 |
| 13 | Manufacture of Textiles | 83.5 | 77.5 | 97.7 | 89.9 | 107.2 | 131.1 | 105.8 | 106.1 | 102.9 | 89.7 | 78.7 | 175.2 | 103.8 |
| 14 | Manufacture of Wearing Apparel | 13.3 | 77.2 | 211.5 | 50.4 | 74.7 | 177.5 | 46.1 | 108.1 | 197.2 | 47.5 | 111.8 | 324.1 | 119.9 |
| 15 | Manufacture of Leather & related products | 195.1 | 164.2 | 162.1 | 155.8 | 168.4 | 152.9 | 163.1 | 135.5 | 111.8 | 133.6 | 144 | 171.2 | 154.8 |
| 16 | Manufacture of Wood & Products | 172.6 | 107.7 | 116.3 | 126.7 | 116.7 | 110.9 | 117 | 104 | 94.3 | 107.1 | 102 | 110.3 | 115.5 |
| 17 | Manufacture of Paper & Paper Products | 94.5 | 96.5 | 93.2 | 92.8 | 97.8 | 83.5 | 88.7 | 78.4 | 100.4 | 88.7 | 75.2 | 91.8 | 90.1 |
| 18 | Printing & Reproduction of recorded media | 64 | 67.9 | 76.3 | 63.6 | 62.9 | 51.4 | 55.7 | 58.1 | 81.9 | 52.9 | 60.9 | 82.5 | 64.8 |
| 19 | Manufacture of Coke & Refined petroleum Products | 108.6 | 127.8 | 117 | 122.2 | 125.4 | 124.6 | 128.7 | 133.8 | 137.5 | 124.7 | 140.2 | 145.4 | 128 |
| 20 | Manufacture of Chemicals & Chemical Products | 73.6 | 99.5 | 151.2 | 141.8 | 147.9 | 139.8 | 148.4 | 152.5 | 115.3 | 79.1 | 92.5 | 101.2 | 120.2 |
| 21 | Manufacture of Pharmaceuticals, medicinal chemical & botanical Products | 105.9 | 200 | 157.2 | 102.8 | 148.1 | 116.5 | 124.8 | 142.1 | 128.3 | 412.4 | 109 | 112.5 | 155 |
| 22 | Manufacture of Rubber & Plastic Products | 90.5 | 91.8 | 99 | 92.4 | 99.9 | 81 | 95.1 | 90.6 | 95.4 | 95.1 | 92.1 | 99.4 | 93.5 |
| 23 | Manufacture of other non-metallic mineral Products | 109.8 | 106.1 | 93.5 | 107.2 | 117.3 | 93.8 | 85.4 | 82 | 85.5 | 107.8 | 103.4 | 130.9 | 101.9 |
| 24 | Manufacture of Basic Metals | 93.2 | 96.2 | 102.2 | 74.3 | 94.6 | 72.2 | 82.4 | 82 | 79.1 | 83.8 | 90.3 | 94.8 | 87.1 |
| 25 | Manufacture of Fabricated metal Products, except machinery & equipment | 121.9 | 101.3 | 110.6 | 122.5 | 112.2 | 114.9 | 95.4 | 99.9 | 126.2 | 111.5 | 97.9 | 112.8 | 110.6 |
| 26 | Manufacture of Computer, Electronic & Optical Products | 108.3 | 108.6 | 63.1 | 59.3 | 78.5 | 74 | 81.7 | 72.7 | 77.3 | 88.7 | 84.5 | 140.1 | 86.4 |
| 27 | Manufacture of Electrical Equipment | 165.3 | 193.6 | 199.1 | 251.6 | 196.9 | 170.3 | 179.5 | 170.3 | 171.2 | 184.1 | 179.7 | 201.1 | 188.6 |
| 28 | Manufacture of Machinery & Equipment n.e.c. | 55.3 | 67.1 | 68.9 | 74.4 | 81.8 | 54.3 | 60.3 | 87 | 73.1 | 73.6 | 80.2 | 92.6 | 72.4 |
| 29 | Manufacture of Motor vehicles, trailers & semi-trailers | 144 | 148.5 | 163.3 | 167.4 | 165.4 | 144.1 | 140.6 | 142 | 99.6 | 68.1 | 86.9 | 106.1 | 131.3 |
| 30 | Manufacture of other transport equipment | 40.9 | 45.5 | 36.4 | 50 | 68.2 | 31.8 | 59.1 | 100 | 22.7 | 109.1 | 27.3 | 400 | 82.6 |
| 31 | Manufacture of Furniture | 35.4 | 38.7 | 35.6 | 48.5 | 44.6 | 43.3 | 49.2 | 58 | 48.9 | 58.9 | 57.1 | 104.2 | 51.9 |
| 32 | Other manufacturing | 132.1 | 140.9 | 136.9 | 145.6 | 185.4 | 143.4 | 142.2 | 165.5 | 181.1 | 202.9 | 168.8 | 293 | 169.8 |
| | Manufacturing | 88.4 | 101.6 | 121.9 | 122.1 | 138.4 | 106.8 | 116.8 | 123.7 | 114.8 | 110.4 | 96.4 | 133.5 | 114.6 |

Table 6-3 (c): Monthly Indices of NIC 2-Digit for the year 2017-'18

| NIC 2 Digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------------|--------------|-------------|---------------|---------------|--------------|--------------|--------------|--------------|---------------|---------------|--------------|------------|
| 10 | Manufacture of Food Products | 98.7 | 108.4 | 98.1 | 94.21 | 82.45 | 83.36 | 103.2 | 101.8 | 116.5 | 96.59 | 69.47 | 71.36 | 93.7 |
| 11 | Manufacture of Beverages | 75.6 | 96.9 | 90.6 | 75.34 | 97.28 | 47.68 | 100.1 | 91.2 | 89.1 | 103.1 | 89.49 | 96.49 | 87.7 |
| 12 | Manufacture of Tobacco Products | 61.3 | 66.7 | 64.5 | 32.88 | 13.43 | 34.86 | 52.1 | 39.2 | 9.6 | 32.55 | 42.68 | 47.9 | 41.5 |
| 13 | Manufacture of Textiles | 77.8 | 98.6 | 99 | 97.55 | 101.25 | 100.99 | 113.1 | 129.1 | 115.5 | 124.24 | 97.28 | 113.1 | 105.6 |
| 14 | Manufacture of Wearing Apparel | 32.3 | 85.9 | 184 | 86.83 | 126.95 | 179.52 | 114.8 | 125.4 | 122.5 | 76.54 | 74.68 | 286.95 | 124.7 |
| 15 | Manufacture of Leather & related products | 174.3 | 206.8 | 184.2 | 195.67 | 183.2 | 168.73 | 180.6 | 190.9 | 183 | 202.8 | 195.65 | 297.19 | 196.9 |
| 16 | Manufacture of Wood & Products | 138 | 140.2 | 91.4 | 126.05 | 112 | 112.46 | 121.2 | 117.9 | 118.8 | 142.83 | 99.13 | 91.49 | 117.6 |
| 17 | Manufacture of Paper & Paper Products | 79.4 | 88.8 | 82.4 | 76.21 | 63.99 | 37.02 | 45.6 | 60.4 | 60 | 81.29 | 73.87 | 72.75 | 68.5 |
| 18 | Printing & Reproduction of recorded media | 54.5 | 50.2 | 64.8 | 51.09 | 99.31 | 46.84 | 50 | 51.6 | 49 | 57.91 | 51.07 | 52.12 | 56.5 |
| 19 | Manufacture of Coke & Refined petroleum Products | 143.7 | 159.9 | 159.6 | 165.44 | 142.99 | 154.82 | 142.1 | 131.4 | 146.8 | 171.86 | 152.67 | 174.95 | 153.9 |
| 20 | Manufacture of Chemicals & Chemical Products | 58.7 | 104.6 | 119.3 | 149.44 | 153.57 | 124.53 | 142.9 | 135.4 | 119 | 117.21 | 99.4 | 105.76 | 119.2 |
| 21 | Manufacture of Pharmaceuticals, medicinal chemical & botanical Products | 84.2 | 175.2 | 133.4 | 866.75 | 302.33 | 166.39 | 2304.5 | 1803 | 2116.5 | 2475.75 | 2548.61 | 3519.25 | 1374.7 |
| 22 | Manufacture of Rubber & Plastic Products | 75.7 | 81.5 | 62.8 | 85.75 | 105.93 | 73.09 | 106 | 112.6 | 107.5 | 113.21 | 104.89 | 89.73 | 93.2 |
| 23 | Manufacture of other non-metallic mineral Products | 105 | 107.2 | 94.2 | 101.75 | 103.81 | 90.36 | 102.1 | 108.3 | 121.1 | 113.96 | 105.84 | 112.78 | 105.5 |
| 24 | Manufacture of Basic Metals | 93.8 | 102.9 | 99.1 | 98.32 | 102.75 | 96.49 | 105 | 92.8 | 103.5 | 103.38 | 99.84 | 93.68 | 99.3 |
| 25 | Manufacture of Fabricated metal Products, except machinery & equipment | 87.3 | 94.9 | 93.6 | 127.41 | 129.48 | 110.33 | 124.9 | 113.7 | 119 | 113.66 | 91.74 | 79.94 | 107.2 |
| 26 | Manufacture of Computer, Electronic & Optical Products | 66.2 | 74.9 | 67.2 | 83.17 | 83.06 | 65.19 | 76.2 | 69.3 | 101.7 | 78.98 | 84.91 | 87.22 | 78.2 |
| 27 | Manufacture of Electrical Equipment | 179.6 | 187 | 171.6 | 175.62 | 151.98 | 140.32 | 180 | 183.5 | 216.6 | 206.61 | 202.16 | 236.21 | 185.9 |
| 28 | Manufacture of Machinery & Equipment n.e.c. | 61.2 | 79.5 | 70.7 | 62.79 | 85.96 | 70.05 | 182.1 | 116 | 75.1 | 75.45 | 67.61 | 89.91 | 86.4 |
| 29 | Manufacture of Motor vehicles, trailers & semi-trailers | 70.2 | 85 | 79.8 | 86.4 | 108.16 | 82.39 | 130.9 | 125.8 | 129.8 | 127.99 | 139.08 | 131.42 | 108.1 |
| 30 | Manufacture of other transport equipment | 4.5 | 18.2 | 72.7 | 27.27 | 31.82 | 31.82 | 45.5 | 81.8 | 77.3 | 104.55 | 100 | 109.09 | 58.7 |
| 31 | Manufacture of Furniture | 67.7 | 50.7 | 27.5 | 61.37 | 66.46 | 54.91 | 59.6 | 46.4 | 33 | 41.19 | 41.41 | 43.57 | 49.5 |
| 32 | Other manufacturing | 210.3 | 261.3 | 239.2 | 209.58 | 262.29 | 199.92 | 116.9 | 152.9 | 96.6 | 141.04 | 103.84 | 84.52 | 173.2 |
| | Manufacturing | 82.4 | 100.2 | 97.7 | 120.37 | 111.76 | 93.25 | 157.3 | 146.4 | 154.4 | 160.62 | 147.63 | 175.2 | 129 |

Table 6-3(d): Monthly Indices of NIC 2-Digit for the year 2018-'19

| NIC 2 Digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|
| 10 | Manufacture of Food Products | 117.8 | 126.9 | 120.5 | 77.2 | 67.7 | 79.7 | 88.7 | 76.3 | 110.9 | 139.7 | 105.2 | 112.4 | 101.9 |
| 11 | Manufacture of Beverages | 82.8 | 102.6 | 72.1 | 71 | 85.1 | 106.7 | 104.9 | 83.4 | 89.3 | 93.5 | 123.3 | 136.2 | 95.9 |
| 12 | Manufacture of Tobacco Products | 18.6 | 22.7 | 18.2 | 19 | 20.6 | 23.1 | 15.2 | 24.9 | 26 | 14.7 | 5.2 | 22.3 | 19.2 |
| 13 | Manufacture of Textiles | 99.8 | 103.7 | 93.3 | 92.1 | 59.9 | 92 | 107.9 | 101.8 | 90.6 | 98 | 84.8 | 72.4 | 91.4 |
| 14 | Manufacture of Wearing Apparel | 72.7 | 117.1 | 109.2 | 167.8 | 79 | 136.2 | 108.8 | 94.4 | 83 | 79.2 | 93.4 | 267.8 | 117.4 |
| 15 | Manufacture of Leather & related products | 224 | 221.3 | 178.9 | 143.3 | 178.2 | 198.3 | 183.7 | 155.7 | 150.9 | 154.9 | 138.1 | 140.1 | 172.3 |
| 16 | Manufacture of Wood & Products | 124.2 | 128.7 | 152.5 | 122.7 | 104.4 | 123.7 | 140.5 | 120.5 | 132.2 | 127.4 | 161.3 | 122.5 | 130.1 |
| 17 | Manufacture of Paper & Paper Products | 76 | 83.1 | 85.2 | 58.5 | 21.6 | 29.3 | 57.9 | 43.1 | 49.1 | 23.2 | 24.8 | 27.7 | 48.3 |
| 18 | Printing & Reproduction of recorded media | 45.2 | 77 | 48 | 49.5 | 51.7 | 48.1 | 47.8 | 46.9 | 47.6 | 47.4 | 43.6 | 49.5 | 50.2 |
| 19 | Manufacture of Coke & Refined petroleum Products | 154.2 | 166.1 | 176.3 | 181.8 | 178.1 | 169.2 | 168.2 | 169.8 | 120.7 | 185.8 | 168.3 | 201.7 | 170 |
| 20 | Manufacture of Chemicals & Chemical Products | 79 | 97.7 | 116.1 | 95.5 | 86.7 | 129.6 | 139.1 | 136.5 | 118.7 | 147.3 | 135.6 | 141.9 | 118.6 |
| 21 | Manufacture of Pharmaceuticals, medicinal chemical & botanical Products | 1644.7 | 1964.1 | 2311.8 | 2459.6 | 1418.1 | 583 | 1425.6 | 990.3 | 1324.7 | 1069.3 | 932.8 | 1542 | 1472.2 |
| 22 | Manufacture of Rubber & Plastic Products | 79.6 | 85.3 | 92.3 | 90.9 | 75.1 | 105.1 | 196.3 | 99.1 | 100.2 | 103.5 | 99.5 | 91 | 101.5 |
| 23 | Manufacture of other non-metallic mineral Products | 108.4 | 114.2 | 109.4 | 95.5 | 95.1 | 119.4 | 120.4 | 122.9 | 122.9 | 119.2 | 103.1 | 114.6 | 112.1 |
| 24 | Manufacture of Basic Metals | 103.5 | 108.9 | 112.2 | 112.5 | 100 | 107.5 | 119.6 | 113.6 | 121.4 | 111.3 | 107.7 | 118 | 111.3 |
| 25 | Manufacture of Fabricated metal Products, except machinery & equipment | 116 | 115.5 | 122.5 | 151.5 | 89.2 | 124.6 | 108.6 | 116.3 | 87.3 | 92.4 | 108.6 | 151 | 115.3 |
| 26 | Manufacture of Computer, Electronic & Optical Products | 71.4 | 95.6 | 112.5 | 104.4 | 65.5 | 69.4 | 97.4 | 74.4 | 65.3 | 71.1 | 69 | 68.1 | 80.3 |
| 27 | Manufacture of Electrical Equipment | 240.2 | 210.7 | 275.6 | 242.8 | 243.3 | 267.4 | 288.7 | 288.8 | 317.9 | 349.4 | 314.8 | 359.3 | 283.2 |
| 28 | Manufacture of Machinery & Equipment n.e.c. | 55.2 | 69 | 65.7 | 76.4 | 40.4 | 72.7 | 58.7 | 71.8 | 78.9 | 76 | 83.6 | 107.6 | 71.3 |
| 29 | Manufacture of Motor vehicles, trailers & semi-trailers | 92.8 | 156.5 | 92.3 | 90.8 | 115.2 | 139.7 | 174.8 | 144.1 | 129.9 | 196.8 | 192.9 | 201.1 | 143.9 |
| 30 | Manufacture of other transport equipment | 104.6 | 168.2 | 122.7 | 54.5 | 81.8 | 86.4 | 104.6 | 72.7 | 72.7 | 77.3 | 100 | 131.8 | 98.1 |
| 31 | Manufacture of Furniture | 37.7 | 56.4 | 55.4 | 34 | 27.3 | 74 | 57.6 | 8.1 | 8 | 13.5 | 5.7 | 6.2 | 32 |
| 32 | Other manufacturing | 112.6 | 132.9 | 122.5 | 132.6 | 140.7 | 125.6 | 130.3 | 133.9 | 130.8 | 122.5 | 111.6 | 123.2 | 126.6 |
| | Manufacturing | 131 | 151.1 | 159.7 | 146.5 | 111.8 | 114.7 | 153.4 | 122.7 | 131.5 | 140.4 | 126.4 | 148 | 136.4 |

Table 6-3 (e): Monthly Indices of NIC 2-Digit for the year -2019-'20

| NIC 2 Digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|--------------|--------------|-------------|--------------|
| 10 | Manufacture of Food Products | 81.2 | 100.8 | 103.5 | 105.5 | 107.7 | 108.5 | 114.3 | 121.2 | 119.9 | 141.8 | 125.1 | 102.6 | 111 |
| 11 | Manufacture of Beverages | 89.9 | 103 | 83.9 | 96.5 | 84 | 81.6 | 94.8 | 82.7 | 85.2 | 90.6 | 83.8 | 67.3 | 86.9 |
| 12 | Manufacture of Tobacco Products | 20 | 12.1 | 23.7 | 17.9 | 16.4 | 26.2 | 21 | 27.7 | 13.2 | 26 | 29.2 | 23.5 | 21.4 |
| 13 | Manufacture of Textiles | 99.4 | 88.7 | 65.8 | 87.1 | 99.8 | 90.3 | 112.3 | 116 | 147.3 | 110.6 | 85.7 | 58.7 | 96.8 |
| 14 | Manufacture of Wearing Apparel | 90.3 | 171 | 110 | 154 | 181.8 | 171.9 | 277.7 | 202.9 | 187.3 | 149.9 | 132.9 | 70.7 | 158.4 |
| 15 | Manufacture of Leather & related products | 203.3 | 241 | 143.6 | 156.9 | 119.6 | 116.3 | 144.6 | 141.7 | 145.4 | 230.6 | 157.8 | 149 | 162.5 |
| 16 | Manufacture of Wood & Products | 122.9 | 121.9 | 119.3 | 132.7 | 153.5 | 133.3 | 128.1 | 163.7 | 113.1 | 145.8 | 111.9 | 117.2 | 130.3 |
| 17 | Manufacture of Paper & Paper Products | 22.1 | 29.8 | 28.1 | 95.6 | 101.7 | 92.2 | 97.3 | 92.8 | 88 | 89.4 | 85.5 | 71.3 | 74.5 |
| 18 | Printing & Reproduction of recorded media | 44.8 | 47.5 | 45.4 | 47.7 | 47.6 | 44.8 | 45.8 | 46.9 | 46.1 | 52.8 | 47.7 | 46.7 | 47 |
| 19 | Manufacture of Coke & Refined petroleum Products | 182.5 | 171 | 201.7 | 196.6 | 180.9 | 106.1 | 172.4 | 172.3 | 130.1 | 73.9 | 56.2 | 58.9 | 141.9 |
| 20 | Manufacture of Chemicals & Chemical Products | 88.9 | 112.1 | 130.7 | 156.3 | 152.2 | 145 | 159.4 | 146.7 | 151.6 | 152.6 | 161.9 | 120.7 | 139.8 |
| 21 | Manufacture of Pharmaceuticals, medicinal chemical & botanical Products | 1099.7 | 600.6 | 790 | 1536.1 | 1632.5 | 378.9 | 151.5 | 216.6 | 225 | 149.2 | 231.2 | 185.4 | 599.7 |
| 22 | Manufacture of Rubber & Plastic Products | 96.6 | 110.1 | 113.9 | 99.3 | 103.6 | 80.4 | 115.7 | 128.4 | 141 | 110 | 99.9 | 66.7 | 105.5 |
| 23 | Manufacture of other non-metallic mineral Products | 103.1 | 110.8 | 97.3 | 106.5 | 83.9 | 89.4 | 88.7 | 100.6 | 87.1 | 94.2 | 113.6 | 81.9 | 96.4 |
| 24 | Manufacture of Basic Metals | 117.2 | 124.6 | 101.2 | 115 | 86.3 | 83.2 | 86.8 | 87.7 | 90.4 | 93.7 | 94.4 | 60.9 | 95.1 |
| 25 | Manufacture of Fabricated metal Products, except machinery & equipment | 138.2 | 125.5 | 109.8 | 116.1 | 122.3 | 108.3 | 113.5 | 95.5 | 104 | 132.2 | 142.1 | 105.3 | 117.7 |
| 26 | Manufacture of Computer, Electronic & Optical Products | 62.4 | 66 | 66.2 | 77.8 | 57.4 | 54.1 | 50.4 | 51.7 | 59.8 | 62 | 61.9 | 70.8 | 61.7 |
| 27 | Manufacture of Electrical Equipment | 247 | 257 | 329.1 | 322.5 | 331.1 | 275.3 | 310.1 | 303.7 | 312 | 395.6 | 361.4 | 328.7 | 314.5 |
| 28 | Manufacture of Machinery & Equipment n.e.c. | 63 | 86.3 | 76.7 | 89.7 | 103.1 | 94.8 | 81.7 | 83.5 | 81.9 | 84.9 | 95.7 | 86.8 | 85.7 |
| 29 | Manufacture of Motor vehicles, trailers & semi-trailers | 164.6 | 179.4 | 188.9 | 200.8 | 192.9 | 149.5 | 152.4 | 159.1 | 126.3 | 122.7 | 85.9 | 92.5 | 151.3 |
| 30 | Manufacture of other transport equipment | 72.7 | 231.8 | 427.3 | 486.4 | 590.9 | 750 | 300 | 109.1 | 236.4 | 68.2 | 140.9 | 109.1 | 293.6 |
| 31 | Manufacture of Furniture | 3.7 | 11.6 | 13.6 | 7.1 | 6 | 15.3 | 14.7 | 20.5 | 8.4 | 11 | 10.5 | 10.8 | 11.1 |
| 32 | Other manufacturing | 91.2 | 87 | 99 | 117.1 | 127.8 | 109.5 | 141.9 | 144.8 | 139.9 | 133.9 | 129.2 | 96.7 | 118.2 |
| | Manufacturing | 115.1 | 121.3 | 133.6 | 159.5 | 162.9 | 130.4 | 126.4 | 123 | 128 | 120.9 | 118.8 | 93.5 | 127.8 |

Table 6-3 (f): Monthly Indices of NIC 2-Digit for the year 2020-'21

| NIC 2 Digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|--------------|-------------|-------------|--------------|-------------|-------------|-------------|--------------|------------|--------------|--------------|--------------|--------------|
| 10 | Manufacture of Food Products | 48.1 | 81.5 | 84.7 | 79.5 | 73.8 | 94.4 | 103.9 | 103.6 | 106.7 | 115.3 | 96.7 | 94.7 | 90.2 |
| 11 | Manufacture of Beverages | 0.1 | 9.7 | 34 | 58.7 | 58.7 | 107.3 | 91.9 | 81.6 | 98.3 | 94.3 | 92.8 | 98.3 | 68.8 |
| 12 | Manufacture of Tobacco Products | 0 | 4.5 | 26.9 | 26.1 | 28.1 | 27.1 | 7.3 | 4.6 | 4.3 | 6 | 4.6 | 5.3 | 12.1 |
| 13 | Manufacture of Textiles | 0.7 | 26.9 | 41.3 | 36.8 | 52 | 67.6 | 150.9 | 112.1 | 111.6 | 127.1 | 178 | 146.3 | 87.6 |
| 14 | Manufacture of Wearing Apparel | 0 | 46.2 | 94 | 105.5 | 106.3 | 117.6 | 108.6 | 102.7 | 127.9 | 116 | 119.7 | 74 | 93.2 |
| 15 | Manufacture of Leather & related products | 0.8 | 53.6 | 82.6 | 197.5 | 139.2 | 189.5 | 209.4 | 192.7 | 203.6 | 224.1 | 211.8 | 230.2 | 161.2 |
| 16 | Manufacture of Wood & Products | 4.8 | 106.4 | 112.8 | 125.6 | 101.7 | 84.2 | 121.7 | 147.4 | 193.8 | 137.2 | 157.7 | 142.6 | 119.7 |
| 17 | Manufacture of Paper & Paper Products | 3.6 | 17 | 26 | 99.3 | 72.9 | 121.2 | 69.7 | 58.9 | 62.2 | 59.8 | 68.9 | 94.8 | 62.9 |
| 18 | Printing & Reproduction of recorded media | 41.1 | 35 | 44.8 | 45.1 | 43.9 | 43.6 | 43 | 43.6 | 44.8 | 43.8 | 41 | 45.9 | 43 |
| 19 | Manufacture of Coke & Refined petroleum Products | 39.3 | 31.6 | 35.8 | 81.1 | 40.2 | 91.2 | 107.3 | 61.3 | 59 | 63 | 56.6 | 61.1 | 60.6 |
| 20 | Manufacture of Chemicals & Chemical Products | 73.3 | 120.8 | 158.4 | 154.8 | 159.5 | 121.4 | 134.3 | 127.7 | 140.7 | 131.8 | 122.7 | 115 | 130 |
| 21 | Manufacture of Pharmaceuticals, medicinal chemical & botanical Products | 45.1 | 144.7 | 158.3 | 184.5 | 154.7 | 222.5 | 239 | 177.6 | 232.4 | 283.7 | 157.5 | 305.2 | 192.1 |
| 22 | Manufacture of Rubber & Plastic Products | 13.5 | 60.3 | 74.7 | 81.1 | 77.2 | 80.9 | 102.8 | 102 | 100.6 | 115 | 111.3 | 117.3 | 86.4 |
| 23 | Manufacture of other non-metallic mineral Products | 15.5 | 74.6 | 89.1 | 83.6 | 86.6 | 89.7 | 115.3 | 96 | 96.7 | 100.5 | 94.4 | 110.9 | 87.7 |
| 24 | Manufacture of Basic Metals | 5.4 | 86 | 90.4 | 89.8 | 67.9 | 56.6 | 58.3 | 81.2 | 94.2 | 96.7 | 88.4 | 93.6 | 75.7 |
| 25 | Manufacture of Fabricated metal Products, except machinery & equipment | 93.1 | 92.2 | 115.1 | 112.6 | 91.4 | 97.8 | 113.6 | 96.6 | 117.8 | 102.4 | 120.1 | 156.5 | 109.1 |
| 26 | Manufacture of Computer, Electronic & Optical Products | 21.5 | 54.2 | 74.9 | 71.7 | 73.6 | 63.3 | 67.6 | 58.1 | 62.6 | 69.7 | 88.1 | 107.6 | 67.8 |
| 27 | Manufacture of Electrical Equipment | 0 | 163.2 | 203.2 | 265.4 | 228.8 | 173.2 | 222 | 311.2 | 234.2 | 273.9 | 263.5 | 328 | 222.2 |
| 28 | Manufacture of Machinery & Equipment n.e.c. | 2.7 | 36.6 | 72.6 | 88.7 | 81.8 | 138 | 139.4 | 95.4 | 209.9 | 71.1 | 103.4 | 135.7 | 97.9 |
| 29 | Manufacture of Motor vehicles, trailers & semi-trailers | 0 | 4.5 | 43.9 | 74.7 | 61.6 | 79.8 | 91.3 | 156.2 | 175.9 | 173.3 | 163.8 | 173.4 | 99.9 |
| 30 | Manufacture of other transport equipment | 0 | 204.5 | 386.4 | 72.7 | 86.4 | 45.5 | 59.1 | 86.4 | 59.1 | 63.6 | 54.5 | 118.2 | 103 |
| 31 | Manufacture of Furniture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Other manufacturing | 14.6 | 47.6 | 55.5 | 50.6 | 97.8 | 95.6 | 106.7 | 102.5 | 92.5 | 112.9 | 105.5 | 111.8 | 82.8 |
| | Manufacturing | 115.1 | 33.5 | 78.8 | 101.2 | 96.9 | 92.5 | 94.8 | 110.5 | 104 | 109.5 | 112.5 | 106.8 | 114.2 |

Table 6-3 (g): Monthly Indices of NIC 2-Digit for the year 2021-'22

| NIC 2 Digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 10 | Manufacture of Food Products | 87.4 | 50.5 | 87.2 | 87.1 | 99 | 108.4 | 99.8 | 84 | 106.5 | 108.7 | 83.4 | 77.7 | 90 |
| 11 | Manufacture of Beverages | 65.6 | 16.8 | 18.6 | 62.8 | 60.4 | 42.2 | 42.1 | 43.7 | 68.8 | 143.7 | 135.5 | 178.8 | 73.3 |
| 12 | Manufacture of Tobacco Products | 25.2 | 3.3 | 4.4 | 4.4 | 4 | 4.5 | 3.9 | 4 | 4.1 | 3.2 | 3.6 | 4.4 | 5.8 |
| 13 | Manufacture of Textiles | 91.3 | 56.8 | 44.4 | 71.3 | 90.1 | 103.5 | 91.6 | 103.9 | 140.9 | 116.8 | 158.1 | 118.8 | 99 |
| 14 | Manufacture of Wearing Apparel | 74.8 | 90.3 | 120.2 | 140.4 | 146.2 | 148.4 | 110.9 | 160.6 | 164.8 | 148.9 | 147.1 | 231.4 | 140.4 |
| 15 | Manufacture of Leather & related products | 212.5 | 6.8 | 104.5 | 141.9 | 80 | 113 | 73.7 | 120.8 | 116.2 | 110 | 68.1 | 102 | 104.1 |
| 16 | Manufacture of Wood & Products | 159.8 | 78.8 | 98.2 | 151 | 133.9 | 170.3 | 179.6 | 175.2 | 219.4 | 169.1 | 164.7 | 138.6 | 153.3 |
| 17 | Manufacture of Paper & Paper Products | 82.9 | 39.5 | 68.5 | 88.6 | 70.3 | 95.9 | 89.8 | 77.4 | 75.8 | 91.5 | 131.6 | 73.4 | 82.1 |
| 18 | Printing & Reproduction of recorded media | 42.1 | 42.4 | 42.6 | 44.6 | 43.6 | 43.8 | 42.1 | 41.8 | 43.2 | 43.3 | 39.9 | 43.9 | 42.8 |
| 19 | Manufacture of Coke & Refined petroleum Products | 60.6 | 40.9 | 153.6 | 135.2 | 143.7 | 46.4 | 45.6 | 94.8 | 99.4 | 43 | 42.2 | 45.3 | 79.2 |
| 20 | Manufacture of Chemicals & Chemical Products | 102.9 | 91.4 | 98.5 | 102.6 | 90.1 | 94.5 | 121.9 | 159.8 | 125.4 | 118.4 | 122.7 | 128.3 | 113 |
| 21 | Manufacture of Pharmaceuticals, medicinal chemical & botanical Products | 191.2 | 178 | 179.5 | 210.5 | 235.8 | 292.7 | 247.4 | 284.3 | 439.6 | 298.2 | 414.1 | 338.3 | 275.8 |
| 22 | Manufacture of Rubber & Plastic Products | 89.9 | 45.4 | 93.4 | 104.9 | 81.7 | 116.9 | 95.7 | 96.1 | 112.1 | 113.3 | 113.4 | 101 | 97 |
| 23 | Manufacture of other non-metallic mineral Products | 97 | 73.6 | 98 | 95.2 | 82.4 | 108.4 | 107.6 | 85.7 | 93.1 | 89.3 | 94.5 | 154.7 | 98.3 |
| 24 | Manufacture of Basic Metals | 100.1 | 52.6 | 82.9 | 72.7 | 70.7 | 77.7 | 101.1 | 84.7 | 87.3 | 105.8 | 97.5 | 99.3 | 86.1 |
| 25 | Manufacture of Fabricated metal Products, except machinery & equipment | 120.2 | 61.7 | 75.9 | 63.3 | 80.5 | 111 | 76.1 | 66.2 | 99.4 | 113.6 | 111.8 | 126 | 92.1 |
| 26 | Manufacture of Computer, Electronic & Optical Products | 68.3 | 62.1 | 103.6 | 125.8 | 117.8 | 89.7 | 93 | 83.3 | 92.8 | 101 | 105.6 | 109.3 | 96 |
| 27 | Manufacture of Electrical Equipment | 229.5 | 51.6 | 261.2 | 252 | 268 | 305.9 | 322.9 | 369 | 348.7 | 336.4 | 356.7 | 373.4 | 289.6 |
| 28 | Manufacture of Machinery & Equipment n.e.c. | 63.2 | 32.2 | 53.7 | 89.5 | 95.1 | 101.3 | 96 | 92.7 | 113.6 | 113.4 | 120.5 | 217.6 | 99.1 |
| 29 | Manufacture of Motor vehicles, trailers & semi-trailers | 181.8 | 149.2 | 128.3 | 75.7 | 60 | 145.5 | 65.1 | 56 | 88.9 | 96.9 | 83.8 | 114.2 | 103.8 |
| 30 | Manufacture of other transport equipment | 77.3 | 0 | 54.5 | 68.2 | 72.7 | 68.2 | 36.4 | 54.5 | 131.8 | 27.3 | 22.7 | 72.7 | 57.2 |
| 31 | Manufacture of Furniture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Other manufacturing | 87 | 17 | 89.5 | 104.6 | 106.6 | 107.4 | 79.4 | 104.3 | 106.6 | 83.2 | 108.2 | 114.2 | 92.4 |
| | Manufacturing | 93.1 | 59.4 | 91.8 | 99.5 | 96.3 | 105.1 | 101.5 | 108.4 | 119.9 | 110.3 | 111.2 | 114.3 | 100.9 |

Table 6-3 (h): Monthly Indices of NIC 2-Digit for the year 2022-'23

| NIC 2 Digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|
| 10 | Manufacture of Food Products | 76.3 | 110 | 86.5 | 103.5 | 117.8 | 97.4 | 97.3 | 106.1 | 116.5 | 100.2 | 93.4 | 110.8 | 101.3 |
| 11 | Manufacture of Beverages | 200.8 | 178.8 | 201.6 | 196.4 | 230.3 | 168.2 | 59.9 | 135.2 | 198.3 | 94.9 | 76.7 | 159.8 | 158.4 |
| 12 | Manufacture of Tobacco Products | 3.1 | 3.8 | 4.6 | 27.2 | 25.6 | 21.7 | 23.3 | 24.4 | 25 | 19.5 | 21 | 115.9 | 26.3 |
| 13 | Manufacture of Textiles | 116.6 | 80.9 | 70.9 | 78.6 | 93.5 | 85.5 | 93.6 | 137.3 | 134.6 | 118.1 | 191 | 60.6 | 105.1 |
| 14 | Manufacture of Wearing Apparel | 126.6 | 283.9 | 159.6 | 150.5 | 68.9 | 81.5 | 64.7 | 16.8 | 22.3 | 19.8 | 31.8 | 51.4 | 89.8 |
| 15 | Manufacture of Leather & related products | 142.7 | 159.5 | 170.2 | 154 | 141.6 | 147.9 | 130.1 | 117.3 | 80.1 | 73.6 | 87.1 | 128.8 | 127.7 |
| 16 | Manufacture of Wood & Products | 198.7 | 191 | 188.6 | 204.2 | 191.9 | 128.6 | 168 | 161.4 | 163.9 | 158 | 111 | 141.1 | 167.2 |
| 17 | Manufacture of Paper & Paper Products | 156.5 | 81.1 | 65.4 | 76.6 | 95.9 | 66.5 | 83.1 | 67.4 | 57.1 | 37.4 | 35.1 | 77 | 74.9 |
| 18 | Printing & Reproduction of recorded media | 41 | 42.1 | 41.9 | 43.3 | 41.6 | 40.2 | 39.8 | 41.1 | 40.9 | 41.9 | 37.9 | 41.7 | 41.1 |
| 19 | Manufacture of Coke & Refined petroleum Products | 43.8 | 43.9 | 46.9 | 51.1 | 47.3 | 47.2 | 94.9 | 45.6 | 46.3 | 46.2 | 47.6 | 58 | 51.6 |
| 20 | Manufacture of Chemicals & Chemical Products | 102.8 | 97.8 | 107.5 | 109.2 | 126.1 | 116.6 | 128.7 | 91.5 | 121.5 | 109.5 | 111.3 | 130.1 | 112.7 |
| 21 | Manufacture of Pharmaceuticals, medicinal chemical & botanical Products | 294.9 | 368.4 | 316.3 | 289.6 | 327.4 | 262.2 | 286.9 | 338.5 | 447.4 | 359.5 | 384.5 | 397.4 | 339.4 |
| 22 | Manufacture of Rubber & Plastic Products | 99 | 103.6 | 101.6 | 107.4 | 104.9 | 96 | 108.7 | 117.9 | 94.8 | 96.5 | 98.5 | 100.4 | 102.4 |
| 23 | Manufacture of other non-metallic mineral Products | 110.4 | 89.2 | 89.9 | 87.9 | 79.2 | 74.6 | 91.8 | 89.5 | 105.9 | 103.7 | 102.3 | 104.2 | 94.1 |
| 24 | Manufacture of Basic Metals | 106.6 | 102.9 | 112.6 | 110.9 | 107.7 | 94.5 | 93.9 | 100.3 | 102.1 | 107.8 | 100.9 | 103.8 | 103.7 |
| 25 | Manufacture of Fabricated metal Products, except machinery & equipment | 83.3 | 65.8 | 82.8 | 82.2 | 47.3 | 80.8 | 62.2 | 83.8 | 91.1 | 72.4 | 94.8 | 92.8 | 78.3 |
| 26 | Manufacture of Computer, Electronic & Optical Products | 85.6 | 105.3 | 96.9 | 93.3 | 85.9 | 101 | 70.9 | 79.8 | 71.3 | 64.9 | 65.1 | 96.5 | 84.7 |
| 27 | Manufacture of Electrical Equipment | 286.9 | 307.3 | 290.4 | 269.9 | 140.3 | 263.1 | 307.9 | 269.4 | 354.3 | 408.9 | 307 | 330.4 | 294.7 |
| 28 | Manufacture of Machinery & Equipment n.e.c. | 18.4 | 48.1 | 46.6 | 47 | 71.6 | 53.1 | 104.3 | 88.6 | 106.5 | 69.5 | 75.8 | 105.5 | 69.6 |
| 29 | Manufacture of Motor vehicles, trailers & semi-trailers | 114.6 | 103.5 | 98.5 | 96.3 | 105.5 | 143.5 | 139.9 | 102.4 | 127.2 | 95.8 | 129.2 | 147.4 | 117 |
| 30 | Manufacture of other transport equipment | 36.4 | 113.6 | 0 | 22.7 | 54.5 | 9.1 | 27.3 | 68.2 | 63.6 | 36.4 | 86.4 | 86.4 | 50.4 |
| 31 | Manufacture of Furniture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Other manufacturing | 112.9 | 124.8 | 127.9 | 123.6 | 130.8 | 127.2 | 136.1 | 134.2 | 124 | 127.9 | 102.9 | 99.4 | 122.6 |
| | Manufacturing | 99.7 | 109.2 | 102.2 | 103.9 | 107.8 | 97.4 | 104.4 | 103.6 | 113.1 | 101.7 | 104.2 | 112.4 | 105 |

Table 6-4 (a): Monthly Indices of NIC 3-Digit for the year 2015-'16

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 102 | Processing and preserving of fish, crustaceans and molluscs and products thereof | 123.5 | 120.6 | 76.5 | 125 | 70.3 | 116.7 | 124.3 | 62.6 | 103.3 | 112.3 | 110.9 | 137.5 | 107 |
| 103 | Processing and preserving of fruit and vegetables | 55.7 | 67.8 | 90.9 | 18.8 | 35.5 | 49 | 37.1 | 23.4 | 4.8 | 53.2 | 65.2 | 62.5 | 47 |
| 104 | Manufacture of vegetable and animal oils and fats | 67.8 | 71.8 | 85.9 | 66.6 | 71.3 | 88.3 | 88.7 | 71.6 | 74.4 | 85.7 | 101.3 | 109.1 | 81.9 |
| 105 | Manufacture of dairy products | 97.7 | 101.5 | 98.2 | 101.8 | 107.4 | 99.9 | 101.1 | 96.7 | 97.6 | 101.4 | 96.3 | 102.8 | 100.2 |
| 106 | Manufacture of grain mill products, starches and starch products | 132 | 124.8 | 144.6 | 149.6 | 141.5 | 128 | 120.2 | 140.6 | 139.3 | 120.5 | 123.6 | 125.9 | 132.5 |
| 107 | Manufacture of other food products | 78.3 | 81.2 | 86.5 | 77.9 | 85.1 | 72.7 | 55.3 | 49.1 | 68.6 | 81.1 | 61.5 | 46.6 | 70.3 |
| 108 | Manufacture of prepared animal feeds | 109.9 | 103.8 | 105.6 | 119.1 | 100.2 | 124.1 | 116.2 | 113.3 | 117.8 | 121.2 | 115.1 | 107.9 | 112.8 |
| 110 | Manufacture of beverages | 74.7 | 90.3 | 93.7 | 92.6 | 69.6 | 72.9 | 92 | 83.4 | 82 | 98.4 | 95.1 | 98.5 | 86.9 |
| 120 | Manufacture of tobacco products | 62.8 | 67.4 | 69.3 | 85 | 73.5 | 61.9 | 67.1 | 58.9 | 56.8 | 58.9 | 55.1 | 55.9 | 64.4 |
| 131 | Spinning, weaving and finishing of textiles | 88.5 | 88.2 | 91.5 | 107.7 | 103 | 104.7 | 131.4 | 128.1 | 131.2 | 115.5 | 97.7 | 102.3 | 107.5 |
| 139 | Manufacture of other textiles | 76.3 | 79.4 | 98.6 | 173.5 | 65.9 | 71.3 | 131.4 | 133.1 | 99.1 | 121.6 | 116 | 117.1 | 106.9 |
| 141 | Manufacture of wearing apparel, except fur apparel | 39.1 | 15.3 | 135.2 | 99.9 | 88.4 | 155.8 | 41.3 | 110.2 | 127.1 | 107.6 | 75.5 | 304.6 | 108.3 |
| 151 | Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur | 1686.7 | 318.4 | 178.5 | 128.6 | 128.9 | 275.1 | 309.9 | 339.9 | 366.8 | 350.7 | 379.7 | 443.6 | 408.9 |
| 152 | Manufacture of footwear | 161.3 | 183.7 | 191.2 | 188.9 | 176.9 | 180.1 | 197.9 | 166 | 162.7 | 194.9 | 187.7 | 216 | 183.9 |
| 161 | Saw milling and planning of wood | 87.3 | 85.4 | 84.1 | 104.5 | 83.8 | 72.1 | 71.2 | 86 | 82.3 | 112.6 | 82.8 | 90.9 | 86.9 |
| 162 | Manufacture of products of wood, cork, straw and plaiting materials | 154.5 | 123.7 | 99 | 149.1 | 117.3 | 118.2 | 130.2 | 124.5 | 147 | 150.2 | 127.7 | 127.5 | 130.7 |
| 170 | Manufacture of paper and paper products | 88.7 | 95.4 | 90.9 | 103.9 | 107.2 | 98.2 | 98 | 93.8 | 93.1 | 93.6 | 108.2 | 93.5 | 97 |
| 181 | Printing and service activities related to printing | 49.2 | 62.8 | 44.1 | 119.7 | 76.5 | 98.5 | 90.8 | 54 | 68.4 | 49.4 | 55.6 | 62.7 | 69.3 |
| 191 | Manufacture of coke oven products | 153.8 | 164.4 | 107.7 | 128 | 145.6 | 201.8 | 202.4 | 155 | 208.1 | 198.4 | 186.5 | 191.9 | 170.3 |
| 192 | Manufacture of refined petroleum products | 110.2 | 113.6 | 110.8 | 109.2 | 118.7 | 105.1 | 83 | 111.1 | 121.8 | 115.9 | 109.7 | 119.1 | 110.7 |
| 201 | Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms | 95.7 | 78.6 | 101.8 | 136.7 | 118.8 | 89.2 | 37.1 | 54.7 | 83.6 | 61.7 | 25.8 | 75.3 | 79.9 |
| 202 | Manufacture of other chemical products | 97.7 | 129.3 | 124.5 | 132.2 | 97.1 | 106.4 | 167.4 | 147.3 | 151.5 | 118.6 | 113.9 | 78.5 | 122 |
| 210 | Manufacture of pharmaceuticals, medicinal chemical and botanical products | 188.3 | 258.8 | 200 | 135.3 | 129 | 114.5 | 122.3 | 103.5 | 152.2 | 136.5 | 122.4 | 222.2 | 157.1 |
| 221 | Manufacture of rubber products | 63 | 59.3 | 75.7 | 89.7 | 82.7 | 82.5 | 84.7 | 80.7 | 93.6 | 97.2 | 94.3 | 81.5 | 82.1 |
| 222 | Manufacture of plastics products | 112.6 | 126.1 | 126.7 | 127.1 | 106.2 | 110.8 | 120.4 | 107 | 101.9 | 105.9 | 111.1 | 107.3 | 113.6 |

Table 6-4 (a) (Contd.): Monthly Indices of NIC 3-Digit for the year 2015-'16

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 231 | Manufacture of glass and glass products | 126.3 | 137.8 | 127.5 | 129.6 | 135.3 | 139.9 | 142.5 | 113.4 | 117.3 | 124.1 | 108.1 | 162 | 130.3 |
| 239 | Manufacture of non-metallic mineral products n.e.c. | 99.3 | 100.4 | 86.1 | 100.5 | 97.9 | 88.6 | 110.1 | 95.6 | 110.8 | 114.6 | 116.4 | 121.6 | 103.5 |
| 241 | Manufacture of basic iron and steel | 99.1 | 93.3 | 81.3 | 73.4 | 73.4 | 73.1 | 76.3 | 61.8 | 77.6 | 84 | 80.7 | 81.1 | 79.6 |
| 242 | Manufacture of basic precious and other non-ferrous metals | 72.3 | 109.8 | 57.3 | 42.9 | 57.4 | 100.6 | 61.8 | 84.7 | 185.4 | 125 | 109.8 | 73.2 | 90 |
| 243 | Casting of metals | 96.8 | 79 | 129.5 | 122.5 | 114.9 | 117.7 | 114.2 | 87.2 | 95.1 | 96.7 | 102.8 | 90.5 | 103.9 |
| 251 | Manufacture of structural metal products, tanks, reservoirs and steam generators | 73.4 | 96.9 | 60 | 114.9 | 123.7 | 136.3 | 73.8 | 98.2 | 124.5 | 138.2 | 125.5 | 148 | 109.4 |
| 259 | Manufacture of other fabricated metal products; metalworking service activities | 101.8 | 140.4 | 131.2 | 108.6 | 96.3 | 104.1 | 92.8 | 102.2 | 105.3 | 111 | 100.7 | 103.2 | 108.1 |
| 261 | Manufacture of electronic components | 72.6 | 116.9 | 76.2 | 80.3 | 64.1 | 92.8 | 84.7 | 57.6 | 82.1 | 77.5 | 85.3 | 139.5 | 85.8 |
| 262 | manufacture of computers and peripheral equipment | 0 | 17.6 | 0 | 129.4 | 982.4 | 5.9 | 29.4 | 0 | 17.6 | 0 | 0 | 76.5 | 104.9 |
| 263 | Manufacture of communication equipment | 8.9 | 17.3 | 10.8 | 9.3 | 8.3 | 8.2 | 7.1 | 4.4 | 13.1 | 8.5 | 12.4 | 11.6 | 10 |
| 265 | Manufacture of measuring, testing, navigating and control equipment; watches and clocks | 138.4 | 103.9 | 146.5 | 66.8 | 93.3 | 111.5 | 100.9 | 111.3 | 88.6 | 65.6 | 68.5 | 74.3 | 97.5 |
| 271 | Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus | 164.6 | 159.5 | 161.1 | 180.6 | 141.2 | 178.9 | 171 | 149.9 | 151.5 | 135.5 | 168.3 | 176.2 | 161.5 |
| 272 | Manufacture of batteries and accumulators | 41.6 | 55.9 | 82.5 | 99.7 | 75.2 | 55.1 | 67.4 | 75.5 | 99.9 | 91.9 | 51.3 | 63.6 | 71.6 |
| 273 | Manufacture of wiring and wiring devices | 265.6 | 275 | 344.3 | 283.2 | 214 | 211.9 | 176.5 | 58.4 | 134.8 | 235.5 | 221.2 | 318.6 | 228.3 |
| 274 | Manufacture of electric lighting equipment | 101.6 | 84.6 | 85.1 | 103.4 | 94.1 | 120.2 | 122 | 109.6 | 110 | 165.1 | 100.5 | 61.5 | 104.8 |
| 281 | Manufacture of general purpose machinery | 267.3 | 31.6 | 118.7 | 230.3 | 93 | 165.8 | 66.2 | 28 | 36.6 | 94.8 | 137.7 | 391.9 | 138.5 |
| 282 | Manufacture of special-purpose machinery | 47.2 | 58.1 | 54.1 | 60.7 | 47.8 | 60.9 | 67.4 | 66.4 | 75.4 | 73.3 | 81.6 | 84.3 | 64.8 |
| 292 | Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers | 118.2 | 90.9 | 109.1 | 100 | 118.2 | 100 | 109.1 | 118.2 | 127.3 | 163.6 | 181.8 | 145.5 | 123.5 |
| 293 | Manufacture of parts and accessories for motor vehicles | 95.5 | 143.2 | 68.2 | 136.4 | 75 | 50 | 84.1 | 84.1 | 54.5 | 109.1 | 72.7 | 115.9 | 90.7 |
| 301 | Building of ships and boats | 9.1 | 45.5 | 22.7 | 40.9 | 36.4 | 22.7 | 36.4 | 18.2 | 13.6 | 72.7 | 54.5 | 77.3 | 37.5 |
| 310 | Manufacture of furniture | 70.9 | 70.1 | 70.3 | 87.7 | 55.6 | 72.4 | 53.7 | 40.7 | 45.8 | 35.5 | 31.2 | 30.1 | 55.3 |
| 321 | Manufacture of jewellery, bijouterie and related articles | 108.9 | 174.2 | 115.1 | 125.9 | 228.5 | 138.1 | 137.1 | 147.9 | 150.6 | 159.4 | 50.6 | 81.9 | 134.9 |
| 325 | Manufacture of medical and dental instruments and supplies | 145.7 | 175.2 | 150.5 | 137 | 135.8 | 137.1 | 135.6 | 111.3 | 119 | 143 | 127.1 | 162 | 139.9 |
| 329 | Other manufacturing nec (not-elsewhere classification) | 172.6 | 167.7 | 172.4 | 178.7 | 172 | 160.3 | 153.6 | 219.8 | 163.4 | 205.2 | 169.5 | 495.1 | 202.5 |

Table 6-4 (b): Monthly Indices of NIC 3-Digit for the year 2016-'17

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| 102 | Processing and preserving of fish, crustaceans and molluscs and products thereof | 53.8 | 61.2 | 99.6 | 213.4 | 1184.1 | 192.7 | 181 | 107.7 | 140.2 | 87.4 | 148.4 | 254.4 | 227 |
| 103 | Processing and preserving of fruit and vegetables | 108.1 | 151.1 | 78.4 | 5.1 | 0 | 58.9 | 9.6 | 12.9 | 62.2 | 57.5 | 63.7 | 124.4 | 61 |
| 104 | Manufacture of vegetable and animal oils and fats | 100.6 | 64.4 | 107.5 | 111.1 | 90.2 | 83.6 | 83 | 97.7 | 98.4 | 95.5 | 74.7 | 112.3 | 93.2 |
| 105 | Manufacture of dairy products | 100.7 | 104.2 | 99 | 102.1 | 106.2 | 104.5 | 103.9 | 98.3 | 101.4 | 101.7 | 91.3 | 101.2 | 101.2 |
| 106 | Manufacture of grain mill products, starches and starch products | 125.4 | 109 | 115.9 | 105.9 | 108.9 | 103.4 | 134.7 | 122.1 | 129.6 | 129.1 | 110.1 | 76.8 | 114.2 |
| 107 | Manufacture of other food products | 55 | 79 | 129.4 | 222.3 | 119.6 | 126.1 | 182 | 238.9 | 204.5 | 176.4 | 118.6 | 142.3 | 149.5 |
| 108 | Manufacture of prepared animal feeds | 116.8 | 110.7 | 114.6 | 117.2 | 113.4 | 111.1 | 121.1 | 119.4 | 125.6 | 130.1 | 128.3 | 119.4 | 119 |
| 110 | Manufacture of beverages | 86.6 | 104.2 | 95.8 | 78.3 | 91.3 | 42.7 | 89.1 | 66.6 | 67.2 | 84.1 | 50.8 | 83.4 | 78.3 |
| 120 | Manufacture of tobacco products | 66.7 | 65.1 | 76.6 | 82.5 | 71.9 | 60.1 | 64.6 | 58.3 | 62.7 | 46.7 | 43.2 | 62.3 | 63.4 |
| 131 | Spinning, weaving and finishing of textiles | 76.4 | 74.8 | 87.3 | 81.7 | 87.1 | 107.2 | 113.9 | 123.6 | 108.8 | 90.1 | 60.1 | 194.3 | 100.5 |
| 139 | Manufacture of other textiles | 97.8 | 83 | 118.7 | 106.3 | 147.9 | 179.5 | 89.4 | 70.8 | 90.9 | 88.9 | 116.3 | 136.6 | 110.5 |
| 141 | Manufacture of wearing apparel, except fur apparel | 13.3 | 77.2 | 211.5 | 50.4 | 74.7 | 177.5 | 46.1 | 108.1 | 197.2 | 47.5 | 111.8 | 324.1 | 119.9 |
| 151 | Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur | 314 | 128.6 | 52 | 28.7 | 44.9 | 68.1 | 109.9 | 135.3 | 117.6 | 110.7 | 86 | 127.9 | 110.3 |
| 152 | Manufacture of footwear | 164.8 | 173.3 | 190.2 | 188.2 | 199.9 | 174.5 | 176.6 | 135.5 | 110.3 | 139.5 | 158.7 | 182.2 | 166.1 |
| 161 | Saw milling and planning of wood | 94 | 76.8 | 85.8 | 85.2 | 112 | 75.9 | 88.6 | 69.2 | 78.3 | 78.2 | 75.4 | 66.3 | 82.1 |
| 162 | Manufacture of products of wood, cork, straw and plaiting materials | 195 | 116.5 | 124.9 | 138.5 | 118 | 120.9 | 125.1 | 113.9 | 98.8 | 115.3 | 109.6 | 122.8 | 124.9 |
| 170 | Manufacture of paper and paper products | 94.5 | 96.5 | 93.2 | 92.8 | 97.8 | 83.5 | 88.7 | 78.4 | 100.4 | 88.7 | 75.2 | 91.8 | 90.1 |
| 181 | Printing and service activities related to printing | 64 | 67.9 | 76.3 | 63.6 | 62.9 | 51.4 | 55.7 | 58.1 | 81.9 | 52.9 | 60.9 | 82.5 | 64.8 |
| 191 | Manufacture of coke oven products | 192.6 | 212.6 | 215.6 | 219.8 | 208.4 | 194.1 | 176.7 | 152.3 | 232.7 | 218.6 | 174.9 | 193.4 | 199.3 |
| 192 | Manufacture of refined petroleum products | 103.7 | 122.8 | 111.3 | 116.5 | 120.5 | 120.6 | 125.9 | 132.7 | 132 | 119.2 | 138.1 | 142.6 | 123.8 |
| 201 | Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms | 69.4 | 96.1 | 134.7 | 133.6 | 136.9 | 131.1 | 137.3 | 139.5 | 104.6 | 60.2 | 68.7 | 65 | 106.4 |
| 202 | Manufacture of other chemical products | 95.6 | 117.4 | 236.5 | 184.3 | 205 | 184.7 | 205.7 | 219.8 | 170.5 | 177.1 | 215.7 | 288.8 | 191.7 |
| 210 | Manufacture of pharmaceuticals, medicinal chemical and botanical products | 105.9 | 200 | 157.2 | 102.8 | 148.1 | 116.5 | 124.8 | 142.1 | 128.3 | 412.4 | 109 | 112.5 | 155 |
| 221 | Manufacture of rubber products | 83.2 | 85.4 | 89.5 | 83.7 | 91.5 | 78.9 | 88.4 | 81.4 | 95.3 | 92.7 | 86 | 92.5 | 87.4 |

Table 6-4 (b) (Contd.): Monthly Indices of NIC 3-Digit for the year 2016-'17

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 222 | Manufacture of plastics products | 115.2 | 113.9 | 131.2 | 122.3 | 128.6 | 88.3 | 117.6 | 121.9 | 95.6 | 103.4 | 112.7 | 122.9 | 114.5 |
| 231 | Manufacture of glass and glass products | 112 | 88.4 | 106.1 | 133.9 | 129.1 | 87.9 | 89.7 | 90.4 | 143.3 | 114.6 | 109.8 | 86.9 | 107.7 |
| 239 | Manufacture of non-metallic mineral products n.e.c. | 109.8 | 106.2 | 93.4 | 107.1 | 117.2 | 93.9 | 85.4 | 82 | 85.2 | 107.8 | 103.4 | 131.1 | 101.9 |
| 241 | Manufacture of basic iron and steel | 91.2 | 91.9 | 87.5 | 67.9 | 96.2 | 69.4 | 79.4 | 86.7 | 83.2 | 88 | 88.5 | 95.6 | 85.5 |
| 242 | Manufacture of basic precious and other non-ferrous metals | 84.9 | 49.8 | 159.1 | 120.9 | 155.3 | 0 | 111.7 | 41.8 | 122.2 | 49.8 | 90.2 | 42.1 | 85.6 |
| 243 | Casting of metals | 101.3 | 114.3 | 158.8 | 98.3 | 86.8 | 85.2 | 93.7 | 64.4 | 61.7 | 68 | 97.4 | 93.2 | 93.6 |
| 251 | Manufacture of structural metal products, tanks, reservoirs and steam generators | 129.4 | 86.8 | 81.8 | 87.7 | 101.1 | 112.3 | 96 | 117.2 | 135.6 | 158.3 | 90.5 | 160.7 | 113.1 |
| 259 | Manufacture of other fabricated metal products; metalworking service activities | 118.1 | 108.7 | 125.3 | 140.1 | 117.8 | 116.3 | 95 | 91.1 | 121.3 | 87.7 | 101.6 | 88.4 | 109.3 |
| 261 | Manufacture of electronic components | 163.1 | 158.6 | 79.4 | 73.9 | 109.4 | 69.6 | 115.8 | 89.5 | 79.4 | 126.5 | 111.7 | 197.9 | 114.6 |
| 262 | manufacture of computers and peripheral equipment | 0 | 5.9 | 35.3 | 0 | 0 | 447.1 | 0 | 5.9 | 194.1 | 0 | 29.4 | 17.6 | 61.3 |
| 263 | Manufacture of communication equipment | 12.7 | 15.4 | 17.2 | 20.8 | 19 | 15.1 | 18.3 | 18.6 | 15.7 | 6 | 17.2 | 27.5 | 17 |
| 265 | Manufacture of measuring, testing, navigating and control equipment; watches and clocks | 42.6 | 0.6 | 0.6 | 68.1 | 59.9 | 68.3 | 57.3 | 94.2 | 114.5 | 76 | 81.9 | 100.7 | 63.7 |
| 271 | Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus | 169.2 | 195.2 | 206.6 | 204.9 | 171.3 | 121.7 | 145.6 | 144 | 149.6 | 161.1 | 165.2 | 201.7 | 169.7 |
| 272 | Manufacture of batteries and accumulators | 80.3 | 82.5 | 135.1 | 116.9 | 115 | 121.6 | 295.9 | 145.4 | 270.6 | 134.6 | 103.8 | 110.6 | 142.7 |
| 273 | Manufacture of wiring and wiring devices | 194.3 | 266.9 | 208.5 | 827.8 | 512.9 | 696.9 | 556.6 | 491.8 | 414.8 | 471 | 395.1 | 281.5 | 443.2 |
| 274 | Manufacture of electric lighting equipment | 78.9 | 76.2 | 87.7 | 41.2 | 83.3 | 49 | 43.1 | 44.7 | 74.4 | 72.4 | 62.9 | 83.5 | 66.4 |
| 281 | Manufacture of general purpose machinery | 50.4 | 74.2 | 34 | 65 | 137.9 | 29 | 37.3 | 105.7 | 81.6 | 79 | 138.1 | 101.6 | 77.8 |
| 282 | Manufacture of special-purpose machinery | 56.4 | 65.4 | 77 | 76.6 | 68.8 | 60.2 | 65.7 | 82.7 | 71.1 | 72.3 | 66.7 | 90.5 | 71.1 |
| 292 | Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers | 154.5 | 154.5 | 190.9 | 190.9 | 190.9 | 163.6 | 163.6 | 154.5 | 109.1 | 63.6 | 90.9 | 109.1 | 144.7 |
| 293 | Manufacture of parts and accessories for motor vehicles | 106.8 | 127.3 | 65.9 | 84.1 | 75 | 75 | 59.1 | 97.7 | 65.9 | 84.1 | 72.7 | 95.5 | 84.1 |
| 301 | Building of ships and boats | 40.9 | 45.5 | 36.4 | 50 | 68.2 | 31.8 | 59.1 | 100 | 22.7 | 109.1 | 27.3 | 400 | 82.6 |
| 310 | Manufacture of furniture | 35.4 | 38.7 | 35.6 | 48.5 | 44.6 | 43.3 | 49.2 | 58 | 48.9 | 58.9 | 57.1 | 104.2 | 51.9 |
| 321 | Manufacture of jewellery, bijouterie and related articles | 104.8 | 62.7 | 62.5 | 69.2 | 130.8 | 91.1 | 110.1 | 118.1 | 119 | 186.9 | 80.8 | 118.1 | 104.5 |
| 325 | Manufacture of medical and dental instruments and supplies | 122.8 | 169.9 | 143.8 | 151.6 | 203.9 | 201.5 | 186.8 | 170.4 | 201.3 | 233.1 | 205.3 | 291.5 | 190.2 |
| 329 | Other manufacturing nec (not-elsewhere classification) | 172 | 170.8 | 196.6 | 208.8 | 208.8 | 104.4 | 104.4 | 202.7 | 208.8 | 172 | 196.6 | 460.7 | 200.6 |

Table 6-4 (c): Monthly Indices of NIC 3-Digit for the year 2017-'18

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|--------|--------|--------|
| 102 | Processing and preserving of fish, crustaceans and molluscs and products thereof | 155.8 | 123.2 | 85 | 166.2 | 120.1 | 115.6 | 188.1 | 150.4 | 88 | 163.8 | 168 | 231.8 | 146.3 |
| 103 | Processing and preserving of fruit and vegetables | 140 | 64.2 | 51.4 | 53.9 | 46.9 | 30.9 | 0 | 35.5 | 33.1 | 0 | 14 | 97.9 | 47.3 |
| 104 | Manufacture of vegetable and animal oils and fats | 72.3 | 63.5 | 82.2 | 71.2 | 77.4 | 67 | 66.8 | 84.8 | 73.4 | 91.7 | 74.7 | 84 | 75.7 |
| 105 | Manufacture of dairy products | 97.9 | 101.9 | 98.1 | 100.9 | 103.6 | 100.5 | 99.5 | 94.2 | 95.7 | 98.2 | 90.2 | 100.2 | 98.4 |
| 106 | Manufacture of grain mill products, starches and starch products | 109.2 | 111.5 | 102 | 91.3 | 122.5 | 97.6 | 118.5 | 113.2 | 103.1 | 104.5 | 107.9 | 89.9 | 105.9 |
| 107 | Manufacture of other food products | 88.7 | 109.3 | 100 | 78.7 | 65.1 | 71.4 | 88.3 | 92.2 | 128.8 | 80.9 | 39.9 | 28 | 80.9 |
| 108 | Manufacture of prepared animal feeds | 108.2 | 127.6 | 127 | 133.8 | 146.4 | 130.4 | 140.3 | 149.6 | 144.7 | 145.3 | 138.5 | 142.7 | 136.2 |
| 110 | Manufacture of beverages | 75.6 | 96.9 | 90.6 | 75.3 | 97.3 | 47.7 | 100.1 | 91.2 | 89.1 | 103.1 | 89.5 | 96.5 | 87.7 |
| 120 | Manufacture of tobacco products | 61.3 | 66.7 | 64.6 | 32.9 | 13.4 | 34.9 | 52.1 | 39.2 | 9.6 | 32.6 | 42.7 | 47.9 | 41.5 |
| 131 | Spinning, weaving and finishing of textiles | 70.7 | 72.3 | 65.4 | 75.7 | 95.3 | 80 | 110 | 127 | 116.8 | 129 | 87.2 | 104.7 | 94.5 |
| 139 | Manufacture of other textiles | 92.2 | 151.7 | 167 | 141.8 | 113.3 | 143.5 | 119.4 | 133.6 | 112.7 | 114.6 | 117.6 | 130.1 | 128.1 |
| 141 | Manufacture of wearing apparel, except fur apparel | 32.3 | 85.9 | 184 | 86.8 | 127 | 179.5 | 114.8 | 125.4 | 122.5 | 76.5 | 74.7 | 287 | 124.7 |
| 151 | Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur | 123 | 168.7 | 95.6 | 68.8 | 60.8 | 116.9 | 152.9 | 159.1 | 165.5 | 204.3 | 256.2 | 765.4 | 194.8 |
| 152 | Manufacture of footwear | 187.4 | 216.5 | 206.7 | 228 | 214.4 | 182 | 187.7 | 199 | 187.4 | 202.4 | 180.2 | 177.9 | 197.5 |
| 161 | Saw milling and planing of wood | 68.9 | 78.1 | 57.8 | 69.7 | 81.4 | 48.2 | 69.9 | 72.9 | 69.8 | 70.4 | 62.9 | 63.8 | 67.8 |
| 162 | Manufacture of products of wood, cork, straw and plaiting materials | 157.6 | 157.8 | 100.9 | 142 | 120.7 | 130.7 | 135.8 | 130.6 | 132.7 | 163.4 | 109.4 | 99.4 | 131.8 |
| 170 | Manufacture of paper and paper products | 79.4 | 88.8 | 82.4 | 76.2 | 64 | 37 | 45.6 | 60.5 | 60 | 81.3 | 73.9 | 72.8 | 68.5 |
| 181 | Printing and service activities related to printing | 54.5 | 50.3 | 64.8 | 51.1 | 99.3 | 46.8 | 50 | 51.6 | 49 | 57.9 | 51.1 | 52.1 | 56.5 |
| 191 | Manufacture of coke oven products | 201.5 | 214.1 | 213.3 | 220.9 | 207.3 | 193.9 | 179.3 | 178.9 | 224.4 | 210 | 206.9 | 191 | 203.4 |
| 192 | Manufacture of refined petroleum products | 140.3 | 156.7 | 156.4 | 162.2 | 139.2 | 152.5 | 139.9 | 128.6 | 142.2 | 169.6 | 149.5 | 174 | 150.9 |
| 201 | Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms | 37.8 | 77.2 | 101.9 | 139.6 | 134.7 | 107.9 | 129 | 119.9 | 102 | 92 | 82.4 | 84.8 | 100.8 |
| 202 | Manufacture of other chemical products | 167.2 | 246.5 | 209.6 | 200.6 | 251.2 | 210.9 | 215.1 | 215.9 | 207.1 | 247.6 | 187.6 | 214.1 | 214.4 |
| 210 | Manufacture of pharmaceuticals, medicinal chemical and botanical products | 84.2 | 175.2 | 133.4 | 866.8 | 302.3 | 166.4 | 2304.5 | 1803 | 2116.5 | 2475.8 | 2548.6 | 3519.3 | 1374.7 |

Table 6-4 (c) (Contd.): Monthly Indices of NIC 3-Digit for the year 2017-'18

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 221 | Manufacture of rubber products | 72.1 | 75.1 | 57.9 | 83.2 | 103.7 | 70 | 106.5 | 112.2 | 107.1 | 120.9 | 104.6 | 84 | 91.4 |
| 222 | Manufacture of plastics products | 88.1 | 103.5 | 79.7 | 94.5 | 113.6 | 83.6 | 104.2 | 113.8 | 108.7 | 87 | 105.9 | 109.1 | 99.3 |
| 231 | Manufacture of glass and glass products | 81.8 | 88.9 | 83.2 | 96.1 | 105.2 | 82.5 | 111.8 | 112.1 | 93.7 | 71.6 | 115.5 | 52.1 | 91.2 |
| 239 | Manufacture of non-metallic mineral products n.e.c. | 105.2 | 107.3 | 94.2 | 101.8 | 103.8 | 90.4 | 102.1 | 108.3 | 121.2 | 114.2 | 105.8 | 113.1 | 105.6 |
| 241 | Manufacture of basic iron and steel | 96.5 | 103.7 | 94.8 | 94.1 | 101.8 | 91.3 | 99.7 | 86.6 | 94.2 | 98.2 | 100.2 | 87.7 | 95.7 |
| 242 | Manufacture of basic precious and other non-ferrous metals | 13.6 | 30.4 | 80 | 111.1 | 152.1 | 109.4 | 164.5 | 219.6 | 126 | 252.1 | 175.8 | 139.1 | 131.1 |
| 243 | Casting of metals | 85.6 | 101.7 | 116.2 | 114.8 | 105.3 | 116.7 | 124.6 | 114 | 139.6 | 120 | 96.3 | 116.3 | 112.6 |
| 251 | Manufacture of structural metal products, tanks, reservoirs and steam generators | 43.5 | 48.3 | 64 | 95.6 | 83.3 | 135.5 | 93.1 | 64.7 | 32.7 | 102.5 | 33.7 | 13.3 | 67.5 |
| 259 | Manufacture of other fabricated metal products; metalworking service activities | 109.5 | 118.7 | 108.6 | 143.6 | 153 | 97.5 | 141.1 | 138.6 | 162.9 | 119.3 | 121.3 | 113.8 | 127.3 |
| 261 | Manufacture of electronic components | 85.9 | 101.4 | 88.4 | 108.6 | 108.2 | 84.6 | 100.4 | 89.8 | 139.9 | 107.2 | 121.6 | 123.5 | 105 |
| 262 | manufacture of computers and peripheral equipment | 88.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.4 |
| 263 | Manufacture of communication equipment | 10.8 | 12.9 | 14.1 | 21.1 | 10.6 | 14 | 18.6 | 16.4 | 16.4 | 6.5 | 6.7 | 11.2 | 13.3 |
| 265 | Manufacture of measuring, testing, navigating and control equipment; watches and clocks | 57.2 | 74 | 72.1 | 88 | 101.1 | 73.6 | 78.4 | 77.4 | 93.3 | 85.3 | 69.6 | 71.3 | 78.4 |
| 271 | Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus | 181.2 | 202.4 | 174.3 | 189.6 | 168.3 | 148.9 | 197.1 | 193.3 | 231 | 223.3 | 212.4 | 250.5 | 197.7 |
| 272 | Manufacture of batteries and accumulators | 110.6 | 292.8 | 279.7 | 160.9 | 191.8 | 286.5 | 197.7 | 159.9 | 169.8 | 174.8 | 425.5 | 353.4 | 233.6 |
| 273 | Manufacture of wiring and wiring devices | 247.1 | 113.6 | 169.3 | 91.1 | 56.4 | 0 | 106.2 | 196.7 | 220.1 | 179.3 | 198.6 | 229.6 | 150.7 |
| 274 | Manufacture of electric lighting equipment | 62.9 | 54.1 | 111.1 | 108.4 | 54.8 | 206.3 | 41.6 | 22.1 | 7.4 | 9.9 | 4.1 | 7.5 | 57.5 |
| 281 | Manufacture of general purpose machinery | 94.2 | 115.5 | 88 | 66.4 | 141.8 | 117 | 666.5 | 209.1 | 45.1 | 57.7 | 65.8 | 109.3 | 148 |
| 282 | Manufacture of special-purpose machinery | 53.5 | 71.2 | 66.6 | 61.9 | 73 | 59.1 | 69.3 | 94.3 | 82.1 | 79.6 | 68 | 85.4 | 72 |
| 292 | Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers | 72.7 | 109.1 | 81.8 | 90.9 | 118.2 | 90.9 | 145.5 | 136.4 | 136.4 | 154.6 | 163.6 | 145.5 | 120.5 |
| 293 | Manufacture of parts and accessories for motor vehicles | 61.4 | 0 | 72.7 | 70.5 | 72.7 | 52.3 | 79.6 | 88.6 | 106.8 | 34.1 | 52.3 | 81.8 | 64.4 |
| 301 | Building of ships and boats | 4.6 | 18.2 | 72.7 | 27.3 | 31.8 | 31.8 | 45.5 | 81.8 | 77.3 | 104.6 | 100 | 109.1 | 58.7 |
| 310 | Manufacture of furniture | 67.7 | 50.7 | 27.5 | 61.4 | 66.5 | 54.9 | 59.6 | 46.5 | 33 | 41.2 | 41.4 | 43.6 | 49.5 |
| 321 | Manufacture of jewellery, bijouterie and related articles | 179.4 | 133.7 | 194.7 | 105 | 169.9 | 72 | 122.5 | 270.7 | 227.5 | 180.8 | 102.5 | 180.7 | 161.6 |
| 325 | Manufacture of medical and dental instruments and supplies | 233 | 355.2 | 323 | 266.9 | 344.6 | 253.7 | 121.6 | 91.5 | 30.3 | 31.5 | 26.9 | 35.2 | 176.1 |
| 329 | Other manufacturing nec (not-elsewhere classification) | 204.8 | 238.9 | 153.6 | 221.1 | 224.2 | 238.9 | 104.4 | 135.1 | 73.7 | 270.3 | 222.4 | 68.8 | 179.7 |

Table 6-4 (d): Monthly Indices of NIC 3-Digit for the year 2018-'19

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|--------|--------|--------|--------|-------|-------|--------|-------|--------|--------|-------|-------|--------|
| 102 | Processing and preserving of fish, crustaceans and molluscs and products thereof | 148.2 | 113.5 | 144.7 | 117.8 | 147.9 | 156.8 | 181.8 | 91.5 | 174.2 | 176.6 | 168.8 | 147.3 | 147.4 |
| 103 | Processing and preserving of fruit and vegetables | 126.5 | 176.2 | 21.4 | 7.4 | 0 | 5 | 7.6 | 14.8 | 72.8 | 4.6 | 63.1 | 28.4 | 44 |
| 104 | Manufacture of vegetable and animal oils and fats | 77 | 71.7 | 63.8 | 51.9 | 56.2 | 74 | 70.8 | 70.8 | 18.2 | 31.1 | 21.8 | 38.7 | 53.8 |
| 105 | Manufacture of dairy products | 97.1 | 99.7 | 95.1 | 97.5 | 101.9 | 62 | 97.9 | 93.6 | 96.4 | 97.5 | 89.6 | 126.7 | 96.2 |
| 106 | Manufacture of grain mill products, starches and starch products | 85.8 | 96.6 | 99.8 | 106.3 | 90.8 | 91.3 | 97 | 101.9 | 109.5 | 126.7 | 88.6 | 85.3 | 98.3 |
| 107 | Manufacture of other food products | 103.4 | 125.2 | 111 | 67.9 | 68 | 99.6 | 53.5 | 50.6 | 92.9 | 135.9 | 88.3 | 94.6 | 90.9 |
| 108 | Manufacture of prepared animal feeds | 366.1 | 342.3 | 352.2 | 351.1 | 331.4 | 371.3 | 333.6 | 343.3 | 344.9 | 361.8 | 326.9 | 337.4 | 346.9 |
| 110 | Manufacture of beverages | 82.8 | 102.6 | 72.1 | 67.6 | 83.2 | 105.2 | 104.9 | 83.4 | 89.3 | 93.5 | 123.3 | 136.2 | 95.3 |
| 120 | Manufacture of tobacco products | 18.6 | 22.6 | 18.2 | 19 | 20.6 | 23.1 | 15.2 | 24.9 | 26 | 14.7 | 5.2 | 22.3 | 19.2 |
| 131 | Spinning, weaving and finishing of textiles | 95.9 | 84.5 | 74.8 | 86.2 | 48 | 84 | 103.7 | 88.8 | 89.1 | 92.8 | 74.8 | 57.7 | 81.7 |
| 139 | Manufacture of other textiles | 107.8 | 142.3 | 130.7 | 104.2 | 84 | 108 | 116.3 | 128.2 | 93.7 | 108.5 | 104.9 | 102 | 110.9 |
| 141 | Manufacture of wearing apparel, except fur apparel | 72.7 | 117.1 | 109.2 | 167.8 | 79 | 136.2 | 108.8 | 94.4 | 83 | 79.2 | 93.4 | 267.8 | 117.4 |
| 151 | Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur | 333 | 196.9 | 114.6 | 87.8 | 124.2 | 162.8 | 151.4 | 151 | 143.5 | 208.3 | 169.1 | 188.6 | 169.3 |
| 152 | Manufacture of footwear | 196.2 | 227.5 | 195.3 | 157.5 | 191.9 | 207.4 | 191.9 | 156.8 | 152.7 | 141.3 | 130.2 | 127.7 | 173 |
| 161 | Saw milling and planning of wood | 68.1 | 70.5 | 76.4 | 75.3 | 68.5 | 69 | 78.5 | 45.8 | 66.4 | 71.9 | 63.4 | 79.7 | 69.5 |
| 162 | Manufacture of products of wood, cork, straw and plaiting materials | 140.1 | 145.2 | 174.1 | 136.2 | 114.6 | 139.3 | 158.1 | 141.7 | 150.8 | 143.2 | 189.1 | 134.7 | 147.3 |
| 170 | Manufacture of paper and paper products | 76 | 83.1 | 85.2 | 58.8 | 21.9 | 29.5 | 57.9 | 43.1 | 49.1 | 23.2 | 24.8 | 27.6 | 48.4 |
| 181 | Printing and service activities related to printing | 45.2 | 77 | 47.9 | 49.5 | 51.7 | 48.1 | 47.8 | 46.9 | 47.6 | 47.3 | 43.6 | 49.5 | 50.2 |
| 191 | Manufacture of coke oven products | 173.2 | 220.3 | 227.9 | 236.9 | 200.3 | 213.7 | 230.5 | 180.5 | 186.9 | 209.9 | 269.1 | 278.7 | 219 |
| 192 | Manufacture of refined petroleum products | 153.1 | 162.9 | 173.3 | 178.6 | 176.8 | 166.6 | 164.5 | 169.2 | 116.8 | 184.4 | 162.4 | 197.2 | 167.2 |
| 201 | Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms | 44.8 | 83.1 | 106.8 | 73.3 | 68 | 108 | 119.4 | 118.9 | 100.4 | 126.5 | 120.1 | 121.8 | 99.2 |
| 202 | Manufacture of other chemical products | 256.2 | 173.4 | 164.5 | 210.4 | 183.6 | 241.6 | 241.1 | 227.5 | 213 | 254.9 | 216.1 | 246.5 | 219.1 |
| 210 | Manufacture of pharmaceuticals, medicinal chemical and botanical products | 1644.7 | 1964.1 | 2311.8 | 2459.6 | 954.1 | 583 | 1425.6 | 990.3 | 1324.7 | 1069.3 | 932.8 | 1542 | 1433.5 |
| 221 | Manufacture of rubber products | 73.2 | 82.3 | 91.3 | 87.2 | 69.7 | 105.8 | 98.9 | 108.3 | 98 | 101.6 | 98.2 | 88.2 | 91.9 |

Table 6-4 (d) (Contd.): Monthly Indices of NIC 3-Digit for the year 2018-'19.

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 222 | Manufacture of plastics products | 101.2 | 95.3 | 95.9 | 103.3 | 93.8 | 102.7 | 527.7 | 67.9 | 107.8 | 110 | 103.8 | 100.5 | 134.2 |
| 231 | Manufacture of glass and glass products | 70.2 | 85.3 | 83.4 | 75.8 | 78.8 | 88.1 | 75.2 | 78.3 | 95.9 | 75.2 | 59.3 | 104.7 | 80.8 |
| 239 | Manufacture of non-metallic mineral products n.e.c. | 108.6 | 114.3 | 109.6 | 95.6 | 95.2 | 119.6 | 120.6 | 123.1 | 123 | 119.4 | 103.4 | 114.6 | 112.2 |
| 241 | Manufacture of basic iron and steel | 109 | 110.3 | 108.8 | 106.6 | 99.4 | 92.4 | 115.9 | 102.5 | 115.5 | 105.4 | 97.9 | 112.3 | 106.3 |
| 242 | Manufacture of basic precious and other non-ferrous metals | 74.4 | 64.8 | 95 | 82.9 | 38.6 | 83.8 | 119.3 | 31.6 | 0 | 0 | 0 | 0 | 49.2 |
| 243 | Casting of metals | 82.3 | 104.6 | 125.9 | 136.6 | 103.6 | 167.6 | 134.5 | 159.5 | 147.6 | 137.6 | 148.9 | 143.5 | 132.7 |
| 251 | Manufacture of structural metal products, tanks, reservoirs and steam generators | 13.1 | 16.4 | 32.6 | 131 | 72.7 | 116.5 | 86.3 | 73.6 | 43.8 | 59.3 | 58.4 | 43.1 | 62.2 |
| 259 | Manufacture of other fabricated metal products; metalworking service activities | 168.4 | 165.8 | 168.2 | 161.9 | 97.7 | 128.8 | 120 | 138 | 109.4 | 109.2 | 134.2 | 205.9 | 142.3 |
| 261 | Manufacture of electronic components | 97.3 | 134.4 | 167.4 | 152 | 95.9 | 91.3 | 131.3 | 91.3 | 84.7 | 101 | 95.6 | 87.4 | 110.8 |
| 262 | manufacture of computers and peripheral equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 263 | Manufacture of communication equipment | 17.2 | 17.9 | 15.5 | 1.9 | 2.6 | 1.8 | 5.9 | 0 | 0.2 | 3.7 | 2.6 | 12.1 | 6.8 |
| 265 | Manufacture of measuring, testing, navigating and control equipment; watches and clocks | 62.3 | 75.1 | 62.3 | 84.8 | 49.5 | 89.5 | 110.6 | 121.6 | 90.1 | 63.2 | 71.1 | 83.2 | 80.3 |
| 271 | Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus | 257.2 | 217.3 | 297.1 | 283.3 | 286.3 | 312 | 325.6 | 323.7 | 352.5 | 377.5 | 357.3 | 388.4 | 314.9 |
| 272 | Manufacture of batteries and accumulators | 152 | 234.2 | 251.5 | 372.7 | 241.4 | 438.6 | 237.8 | 236 | 108.1 | 312.7 | 162.4 | 256.5 | 250.3 |
| 273 | Manufacture of wiring and wiring devices | 243.1 | 274.1 | 246.8 | 170.7 | 2.3 | 21.9 | 136.5 | 154.6 | 227.7 | 312.2 | 141.4 | 329.2 | 188.4 |
| 274 | Manufacture of electric lighting equipment | 2.6 | 4.1 | 9.5 | 5.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 |
| 281 | Manufacture of general purpose machinery | 82 | 80 | 40.6 | 82 | 43.2 | 71.9 | 17.7 | 14.5 | 57.5 | 22.3 | 69 | 93.5 | 56.2 |
| 282 | Manufacture of special-purpose machinery | 49 | 66.4 | 71.5 | 75.1 | 39.7 | 72.9 | 68.3 | 85.1 | 83.9 | 88.5 | 87 | 110.9 | 74.9 |
| 292 | Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers | 81.8 | 145.5 | 72.7 | 72.7 | 127.3 | 118.2 | 181.8 | 163.6 | 145.5 | 172.7 | 190.9 | 218.2 | 140.9 |
| 293 | Manufacture of parts and accessories for motor vehicles | 131.8 | 195.5 | 161.4 | 154.5 | 72.7 | 215.9 | 150 | 75 | 75 | 281.8 | 200 | 140.9 | 154.5 |
| 301 | Building of ships and boats | 104.5 | 168.2 | 122.7 | 54.5 | 81.8 | 86.4 | 104.6 | 72.7 | 72.7 | 77.3 | 100 | 131.8 | 98.1 |
| 310 | Manufacture of furniture | 37.7 | 56.4 | 55.4 | 34 | 27.3 | 74 | 57.6 | 8.1 | 8 | 13.4 | 5.7 | 6.2 | 32 |
| 321 | Manufacture of jewellery, bijouterie and related articles | 109.4 | 157.8 | 161 | 165.5 | 167.5 | 103.7 | 124.1 | 181 | 103.5 | 117.5 | 125 | 148.3 | 138.7 |
| 325 | Manufacture of medical and dental instruments and supplies | 63.6 | 75.6 | 58.1 | 76.6 | 86.6 | 84.6 | 90.2 | 79.7 | 88.4 | 105.2 | 93.5 | 94.1 | 83 |
| 329 | Other manufacturing nec (not-elsewhere classification) | 190.4 | 196.6 | 184.3 | 186.7 | 197.8 | 208.8 | 197.2 | 172 | 221.1 | 153.6 | 126.5 | 143.7 | 181.6 |

Table 6-4 (e): Monthly Indices of NIC 3-Digit for the year 2019-'20

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| 102 | Processing and preserving of fish, crustaceans and molluscs and products thereof | 109.7 | 96 | 61.4 | 91.4 | 118.1 | 148.7 | 91.2 | 109.9 | 82.8 | 90.1 | 147.5 | 85.6 | 102.7 |
| 103 | Processing and preserving of fruit and vegetables | 171 | 181.1 | 541.5 | 127.5 | 36.1 | 0 | 13.7 | 144.2 | 150.7 | 186.7 | 324.3 | 205.8 | 173.6 |
| 104 | Manufacture of vegetable and animal oils and fats | 13.4 | 33.9 | 31 | 31.4 | 20.2 | 18.4 | 31.6 | 34.5 | 29.4 | 28.2 | 41.1 | 17.1 | 27.5 |
| 105 | Manufacture of dairy products | 98.3 | 103.1 | 98.3 | 102.3 | 101.6 | 100.8 | 98.5 | 95.9 | 98.3 | 100.4 | 94.7 | 96.1 | 99 |
| 106 | Manufacture of grain mill products, starches and starch products | 86.3 | 94.6 | 85.8 | 134.4 | 123.4 | 118.8 | 90.4 | 105.5 | 100.5 | 110.2 | 99.9 | 97.6 | 104 |
| 107 | Manufacture of other food products | 57.3 | 86.2 | 98.6 | 96 | 97.7 | 93.9 | 115.4 | 120.4 | 123.9 | 155 | 118.1 | 94.3 | 104.7 |
| 108 | Manufacture of prepared animal feeds | 349.9 | 378.5 | 337.9 | 343.9 | 332.4 | 321.7 | 325.3 | 337.9 | 332 | 355.2 | 337.4 | 366.1 | 343.2 |
| 110 | Manufacture of beverages | 89.9 | 103 | 83.9 | 96.5 | 84 | 81.6 | 94.8 | 82.7 | 85.2 | 90.6 | 83.8 | 67.3 | 86.9 |
| 120 | Manufacture of tobacco products | 20 | 12.1 | 23.7 | 17.9 | 16.4 | 26.2 | 21 | 27.7 | 13.2 | 26 | 29.2 | 23.5 | 21.4 |
| 131 | Spinning, weaving and finishing of textiles | 95.4 | 73.1 | 55.6 | 76.1 | 92.5 | 91 | 119.5 | 115 | 167.1 | 106.3 | 78.9 | 44.3 | 92.9 |
| 139 | Manufacture of other textiles | 107.4 | 120.3 | 86.5 | 109.1 | 114.4 | 89 | 97.7 | 118 | 107.2 | 119.3 | 99.5 | 87.8 | 104.7 |
| 141 | Manufacture of wearing apparel, except fur apparel | 90.3 | 171 | 110 | 154 | 181.8 | 171.9 | 277.7 | 202.9 | 187.3 | 149.9 | 132.9 | 70.7 | 158.4 |
| 151 | Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur | 467.6 | 489.2 | 104.8 | 104.3 | 96.7 | 81.3 | 161.4 | 210.2 | 170.9 | 243.1 | 257.3 | 153.7 | 211.7 |
| 152 | Manufacture of footwear | 136 | 177.8 | 153.5 | 170.3 | 125.5 | 125.2 | 140.3 | 124.3 | 138.8 | 227.4 | 132.5 | 147.8 | 149.9 |
| 161 | Saw milling and planing of wood | 68.9 | 67.4 | 68.1 | 80.2 | 78.3 | 81 | 68.4 | 68.2 | 93.9 | 68.9 | 58.6 | 43.6 | 70.5 |
| 162 | Manufacture of products of wood, cork, straw and plaiting materials | 138.3 | 137.4 | 133.9 | 147.5 | 174.9 | 148.1 | 145 | 190.8 | 118.5 | 167.6 | 127 | 138.1 | 147.3 |
| 170 | Manufacture of paper and paper products | 22.1 | 29.8 | 28.1 | 95.6 | 101.7 | 92.2 | 97.3 | 92.8 | 88 | 89.4 | 85.5 | 71.3 | 74.5 |
| 181 | Printing and service activities related to printing | 44.8 | 47.5 | 45.4 | 47.7 | 47.6 | 44.8 | 45.8 | 46.9 | 46.1 | 52.8 | 47.7 | 46.7 | 47 |
| 191 | Manufacture of coke oven products | 180.6 | 160.8 | 162.9 | 287.5 | 287.7 | 243.6 | 233.2 | 269.3 | 258.3 | 258.3 | 257.3 | 202.5 | 233.5 |
| 192 | Manufacture of refined petroleum products | 182.6 | 171.6 | 203.9 | 191.3 | 174.6 | 98 | 168.9 | 166.6 | 122.6 | 63.1 | 44.5 | 50.5 | 136.5 |
| 201 | Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms | 73.9 | 95.4 | 116.9 | 136.8 | 139 | 135.2 | 138.4 | 129.6 | 136.9 | 136.8 | 142.4 | 104.7 | 123.8 |
| 202 | Manufacture of other chemical products | 166.7 | 198.5 | 202.1 | 257.1 | 220.7 | 195.9 | 268 | 235 | 227.7 | 234.6 | 262.9 | 203.6 | 222.7 |
| 210 | Manufacture of pharmaceuticals, medicinal chemical and botanical products | 1099.7 | 600.6 | 790 | 1536.1 | 1632.5 | 378.9 | 151.5 | 216.6 | 225 | 149.2 | 231.2 | 185.4 | 599.7 |

Table 6-4 (e) (Contd.): Monthly Indices of NIC 3-Digit for the year 2019-'20

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 221 | Manufacture of rubber products | 64.2 | 83.1 | 88.9 | 87.1 | 91.9 | 71.6 | 79 | 93 | 104.1 | 105.8 | 93.4 | 63.5 | 85.5 |
| 222 | Manufacture of plastics products | 207 | 202.3 | 199 | 140.6 | 143.8 | 110.4 | 240.6 | 249.2 | 266.9 | 124.2 | 122 | 77.8 | 173.6 |
| 231 | Manufacture of glass and glass products | 436.1 | 89.7 | 68.6 | 76.5 | 84 | 86.4 | 78.3 | 91.8 | 78.4 | 87.2 | 77.3 | 63.1 | 109.8 |
| 239 | Manufacture of non-metallic mineral products n.e.c. | 101.4 | 111 | 97.5 | 106.7 | 83.9 | 89.4 | 88.8 | 100.6 | 87.1 | 94.3 | 113.8 | 82 | 96.4 |
| 241 | Manufacture of basic iron and steel | 109.2 | 121 | 90.8 | 100.2 | 71.5 | 66.5 | 72.7 | 75.1 | 72.4 | 87 | 80.1 | 52.8 | 83.3 |
| 242 | Manufacture of basic precious and other non-ferrous metals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 243 | Casting of metals | 148.5 | 138.8 | 142.3 | 173.1 | 144.4 | 148.9 | 142.5 | 137.4 | 161.2 | 120.2 | 150.4 | 92.7 | 141.7 |
| 251 | Manufacture of structural metal products, tanks, reservoirs and steam generators | 45.5 | 52.4 | 20.2 | 25.9 | 47.9 | 48.4 | 57.8 | 20.3 | 28.6 | 57.4 | 106.8 | 67.2 | 48.2 |
| 259 | Manufacture of other fabricated metal products; metalworking service activities | 185.4 | 162.7 | 155.4 | 161.9 | 160.1 | 138.8 | 141.8 | 133.7 | 142.4 | 170.2 | 160.1 | 124.6 | 153.1 |
| 261 | Manufacture of electronic components | 77.4 | 77.2 | 77.2 | 93.1 | 62.9 | 66.8 | 59.7 | 57.6 | 65.4 | 74.6 | 73.4 | 75.6 | 71.7 |
| 262 | manufacture of computers and peripheral equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 263 | Manufacture of communication equipment | 1.4 | 2.7 | 0.9 | 2.5 | 0 | 0 | 0.2 | 0 | 0 | 3.6 | 0.2 | 0 | 1 |
| 265 | Manufacture of measuring, testing, navigating and control equipment; watches and clocks | 82.1 | 101.4 | 105.5 | 113.5 | 106.3 | 74 | 77.1 | 92.1 | 111 | 87.2 | 94.6 | 53.9 | 91.6 |
| 271 | Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus | 266.1 | 274.4 | 342.1 | 342.5 | 353.7 | 285.9 | 340.3 | 308.4 | 317.3 | 400.1 | 380.4 | 336.8 | 329 |
| 272 | Manufacture of batteries and accumulators | 290.1 | 256.9 | 243.2 | 226.9 | 253.7 | 222.5 | 218.8 | 181.8 | 195 | 105.8 | 131.8 | 137.9 | 205.4 |
| 273 | Manufacture of wiring and wiring devices | 65.8 | 98.3 | 222.9 | 153.7 | 135.5 | 185.3 | 47 | 277.9 | 280.8 | 395.2 | 220.2 | 282.1 | 197 |
| 274 | Manufacture of electric lighting equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 281 | Manufacture of general purpose machinery | 65.1 | 71.9 | 36.2 | 64.7 | 150 | 175 | 43.3 | 57.5 | 46 | 25 | 93.4 | 37.5 | 72.1 |
| 282 | Manufacture of special-purpose machinery | 62.5 | 89.7 | 86.1 | 95.5 | 92.2 | 76.1 | 90.6 | 89.6 | 90.3 | 98.9 | 96.2 | 98.3 | 88.8 |
| 292 | Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers | 154.5 | 190.9 | 190.9 | 172.7 | 190.9 | 154.5 | 136.4 | 163.6 | 136.4 | 118.2 | 90.9 | 100 | 150 |
| 293 | Manufacture of parts and accessories for motor vehicles | 200 | 138.6 | 181.8 | 300 | 200 | 131.8 | 209.1 | 143.2 | 90.9 | 138.6 | 68.2 | 65.9 | 155.7 |
| 301 | Building of ships and boats | 72.7 | 231.8 | 427.3 | 486.4 | 590.9 | 750 | 300 | 109.1 | 236.4 | 68.2 | 140.9 | 109.1 | 293.6 |
| 310 | Manufacture of furniture | 3.7 | 11.6 | 13.6 | 7.1 | 6 | 15.3 | 14.7 | 20.5 | 8.4 | 11 | 10.5 | 10.8 | 11.1 |
| 321 | Manufacture of jewellery, bijouterie and related articles | 100.1 | 123.1 | 144.4 | 64.8 | 99.6 | 52.1 | 86.9 | 114.9 | 98.7 | 102.2 | 68.8 | 29.3 | 90.4 |
| 325 | Manufacture of medical and dental instruments and supplies | 46.2 | 44.3 | 39 | 129.6 | 133.5 | 119.9 | 143.3 | 127.6 | 125.4 | 108.7 | 114.4 | 63.8 | 99.6 |
| 329 | Other manufacturing nec (not-elsewhere classification) | 151.1 | 117.9 | 147.4 | 147.4 | 145.6 | 148 | 191.6 | 199 | 200.9 | 202.5 | 208.8 | 210.7 | 172.6 |

Table 6-4 (f): Monthly Indices of NIC 3-Digit for the year 2020-'21

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 102 | Processing and preserving of fish, crustaceans and molluscs and products thereof | 54.9 | 85.2 | 39.8 | 73.4 | 97.2 | 126.3 | 77.2 | 100.8 | 98.2 | 110.1 | 101.4 | 111.6 | 89.7 |
| 103 | Processing and preserving of fruit and vegetables | 98.4 | 31.8 | 69.9 | 0 | 0 | 0 | 0 | 43.2 | 198.7 | 382.7 | 250.9 | 472.4 | 129 |
| 104 | Manufacture of vegetable and animal oils and fats | 32.7 | 38.7 | 37 | 28.5 | 24 | 33.1 | 34.8 | 28.8 | 33.4 | 37.4 | 31.1 | 29.1 | 32.4 |
| 105 | Manufacture of dairy products | 90.7 | 99.3 | 98.1 | 96.9 | 103.1 | 99 | 101 | 96.5 | 98.3 | 99.1 | 92.3 | 103.7 | 98.2 |
| 106 | Manufacture of grain mill products, starches and starch products | 126.6 | 109.6 | 86.5 | 108.3 | 106.6 | 93.2 | 119 | 92 | 109.2 | 123.6 | 106.3 | 117.9 | 108.2 |
| 107 | Manufacture of other food products | 28.7 | 75.5 | 90.5 | 81.8 | 69.1 | 90.2 | 112.8 | 111.2 | 113.2 | 122 | 98.4 | 87.1 | 90 |
| 108 | Manufacture of prepared animal feeds | 135 | 137.4 | 136.4 | 48.8 | 26.4 | 124 | 123.6 | 121.4 | 130.7 | 129.4 | 119.4 | 141.7 | 114.5 |
| 110 | Manufacture of beverages | 0.1 | 9.7 | 34 | 58.7 | 58.7 | 107.3 | 91.9 | 81.6 | 98.3 | 94.3 | 92.8 | 98.3 | 68.8 |
| 120 | Manufacture of tobacco products | 0 | 4.5 | 26.9 | 26.1 | 28.1 | 27.1 | 7.3 | 4.6 | 4.3 | 6 | 4.6 | 5.3 | 12.1 |
| 131 | Spinning, weaving and finishing of textiles | 0 | 6.6 | 6.4 | 9 | 24.8 | 43.2 | 151.2 | 94.9 | 113.3 | 110.3 | 203.4 | 126.4 | 74.1 |
| 139 | Manufacture of other textiles | 2.2 | 68 | 111.9 | 93.2 | 107.1 | 117.1 | 150.2 | 146.9 | 108.2 | 160.9 | 126.7 | 186.4 | 114.9 |
| 141 | Manufacture of wearing apparel, except fur apparel | 0 | 46.2 | 94 | 105.5 | 106.3 | 117.6 | 108.6 | 102.7 | 127.9 | 116 | 119.7 | 74 | 93.2 |
| 151 | Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur | 3.9 | 59.4 | 5 | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.7 |
| 152 | Manufacture of footwear | 0 | 52.1 | 102.4 | 197.5 | 174.5 | 189.5 | 209.4 | 192.7 | 203.6 | 224.1 | 211.8 | 230.2 | 165.6 |
| 161 | Saw milling and planing of wood | 21.8 | 56.9 | 92.7 | 93.5 | 93.6 | 76.5 | 98.1 | 82.9 | 72.4 | 77 | 70.1 | 59.7 | 74.6 |
| 162 | Manufacture of products of wood, cork, straw and plaiting materials | 0 | 120.4 | 118.5 | 134.7 | 104 | 86.4 | 128.4 | 165.7 | 228.3 | 154.3 | 182.5 | 166.1 | 132.4 |
| 170 | Manufacture of paper and paper products | 3.6 | 17 | 26 | 99.3 | 72.9 | 121.2 | 69.7 | 58.9 | 62.2 | 59.8 | 68.9 | 94.8 | 62.9 |
| 181 | Printing and service activities related to printing | 41.1 | 35 | 44.8 | 45.1 | 43.9 | 43.6 | 43 | 43.6 | 44.8 | 43.8 | 41 | 45.9 | 43 |
| 191 | Manufacture of coke oven products | 77.9 | 130.8 | 177.1 | 264.8 | 271.9 | 255.9 | 254.3 | 262.2 | 268.9 | 265.6 | 226.3 | 266 | 226.8 |
| 192 | Manufacture of refined petroleum products | 37.1 | 25.8 | 27.5 | 70.3 | 26.6 | 81.5 | 98.7 | 49.5 | 46.7 | 51.2 | 46.7 | 49.1 | 50.9 |
| 201 | Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms | 59.1 | 99.7 | 147.4 | 140.1 | 148.7 | 100.7 | 152.1 | 141.4 | 156.6 | 148 | 136.4 | 126.3 | 129.7 |
| 202 | Manufacture of other chemical products | 146.6 | 230.2 | 215.2 | 231.1 | 215.2 | 228.7 | 42.1 | 56.8 | 58.5 | 48.3 | 52.1 | 56.2 | 131.7 |
| 210 | Manufacture of pharmaceuticals, medicinal chemical and botanical products | 45.1 | 144.7 | 158.3 | 184.5 | 154.7 | 222.5 | 239 | 177.6 | 232.4 | 283.7 | 157.5 | 305.2 | 192.1 |

Table 6-4 (f) (Contd.): Monthly Indices of NIC 3-Digit for the year 2020-'21

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 221 | Manufacture of rubber products | 11.9 | 52.3 | 67.6 | 76.7 | 74.2 | 87 | 103.6 | 98.9 | 107.5 | 113.6 | 108.1 | 110.9 | 84.3 |
| 222 | Manufacture of plastics products | 19.2 | 87.5 | 98.9 | 96.1 | 87.5 | 60 | 100 | 112.3 | 77.3 | 119.9 | 122.4 | 139.4 | 93.4 |
| 231 | Manufacture of glass and glass products | 0.3 | 62.5 | 83.3 | 35.6 | 81.6 | 82.2 | 106.3 | 106.3 | 115.2 | 123.4 | 113.6 | 144.4 | 87.9 |
| 239 | Manufacture of non-metallic mineral products n.e.c. | 15.6 | 74.7 | 89.1 | 83.8 | 86.6 | 89.7 | 115.4 | 96 | 96.6 | 100.3 | 94.3 | 110.7 | 87.7 |
| 241 | Manufacture of basic iron and steel | 1.4 | 77.6 | 78.5 | 75 | 57.3 | 51.7 | 58.1 | 83.4 | 93.2 | 97.7 | 87.4 | 101.5 | 71.9 |
| 242 | Manufacture of basic precious and other non-ferrous metals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 243 | Casting of metals | 21.4 | 121.4 | 139.8 | 148.1 | 109.7 | 75.6 | 59.5 | 72.5 | 98.3 | 92.6 | 92.4 | 62.2 | 91.1 |
| 251 | Manufacture of structural metal products, tanks, reservoirs and steam generators | 149 | 5.2 | 8.2 | 26.2 | 47.4 | 27.2 | 62 | 61.2 | 72.4 | 80.6 | 65.5 | 114.8 | 60 |
| 259 | Manufacture of other fabricated metal products; metalworking service activities | 64.6 | 136.5 | 169.4 | 156.6 | 113.8 | 133.8 | 139.9 | 114.5 | 140.9 | 113.4 | 147.8 | 177.7 | 134.1 |
| 261 | Manufacture of electronic components | 33.8 | 70.9 | 104 | 98.8 | 100.4 | 81.8 | 87 | 74.6 | 80.6 | 94.3 | 117.7 | 147 | 90.9 |
| 262 | manufacture of computers and peripheral equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 263 | Manufacture of communication equipment | 0 | 0 | 5 | 6.6 | 0.4 | 4.4 | 6.4 | 3.7 | 4.5 | 2.1 | 4.4 | 2.5 | 3.3 |
| 265 | Manufacture of measuring, testing, navigating and control equipment; watches and clocks | 9.2 | 73.3 | 74 | 53.9 | 66.5 | 68.2 | 72 | 65.1 | 68.3 | 63.7 | 83.4 | 94.5 | 66 |
| 271 | Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus | 0 | 165.9 | 200.2 | 268.2 | 229.6 | 148.1 | 201.1 | 316.1 | 211 | 261.6 | 257.4 | 346.6 | 217.1 |
| 272 | Manufacture of batteries and accumulators | 0 | 134.4 | 219.1 | 194.7 | 300.5 | 260.1 | 211.1 | 204.1 | 282 | 226.9 | 253.6 | 231.5 | 209.8 |
| 273 | Manufacture of wiring and wiring devices | 0 | 242.7 | 353.9 | 249.8 | 210.6 | 391.1 | 415.1 | 281.9 | 439.5 | 394 | 320.4 | 171.6 | 289.2 |
| 274 | Manufacture of electric lighting equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 281 | Manufacture of general purpose machinery | 14.4 | 7.3 | 28.8 | 125 | 68.2 | 327.4 | 375 | 103 | 690.7 | 43.2 | 109.7 | 136.5 | 169.1 |
| 282 | Manufacture of special-purpose machinery | 0 | 43.4 | 82.8 | 80.2 | 85 | 93.9 | 84.5 | 93.6 | 97.9 | 77.7 | 102 | 135.5 | 81.4 |
| 292 | Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers | 0 | 0 | 36.4 | 72.7 | 63.6 | 81.8 | 81.8 | 172.7 | 190.9 | 181.8 | 181.8 | 190.9 | 104.5 |
| 293 | Manufacture of parts and accessories for motor vehicles | 0 | 20.5 | 70.5 | 81.8 | 54.5 | 72.7 | 125 | 97.7 | 122.7 | 143.2 | 100 | 111.4 | 83.3 |
| 301 | Building of ships and boats | 0 | 204.5 | 386.4 | 72.7 | 86.4 | 45.5 | 59.1 | 86.4 | 59.1 | 63.6 | 54.5 | 118.2 | 103 |
| 310 | Manufacture of furniture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 321 | Manufacture of jewellery, bijouterie and related articles | 0 | 0 | 21.2 | 7.5 | 100.1 | 55.2 | 75.1 | 64.9 | 16.9 | 67.6 | 60 | 83.2 | 46 |
| 325 | Manufacture of medical and dental instruments and supplies | 5 | 24.4 | 28.5 | 33.9 | 74.3 | 95.2 | 106.8 | 108.7 | 110.4 | 126.1 | 113.1 | 114.2 | 78.4 |
| 329 | Other manufacturing nec (not-elsewhere classification) | 43 | 128 | 128.9 | 116.7 | 131.4 | 134.3 | 136.4 | 128.5 | 136.6 | 135.6 | 136.9 | 135.1 | 124.3 |

Table 6-4 (g): Monthly Index of Industrial Production at the 3-Digit Level -2021-'22

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 102 | Processing and preserving of fish, crustaceans and molluscs and products thereof | 107.7 | 78.9 | 92.3 | 111.4 | 90.1 | 75 | 144.7 | 83.7 | 79 | 108.4 | 68.2 | 65.5 | 92.1 |
| 103 | Processing and preserving of fruit and vegetables | 103.1 | 0 | 0 | 0 | 0 | 131.1 | 34.2 | 2.9 | 13.8 | 210.2 | 414.6 | 250.2 | 96.7 |
| 104 | Manufacture of vegetable and animal oils and fats | 32.8 | 22.6 | 34.3 | 43 | 28.9 | 31.2 | 35.6 | 30.6 | 36.8 | 36.1 | 22.2 | 32 | 32.2 |
| 105 | Manufacture of dairy products | 101 | 94 | 94.2 | 99.1 | 93.2 | 85.3 | 78.5 | 84.5 | 76.8 | 93.2 | 70.9 | 79.9 | 87.6 |
| 106 | Manufacture of grain mill products, starches and starch products | 123.6 | 101.1 | 105.9 | 121.6 | 129.4 | 111 | 111.5 | 124 | 146.2 | 127.4 | 111.8 | 104.7 | 118.2 |
| 107 | Manufacture of other food products | 80.6 | 29.8 | 84.9 | 80.7 | 104.6 | 123.5 | 99.2 | 84.2 | 120.6 | 115.1 | 86.7 | 77.3 | 90.6 |
| 108 | Manufacture of prepared animal feeds | 121.7 | 136 | 130.7 | 101.1 | 116.7 | 132.2 | 121.6 | 121.8 | 126.4 | 118.8 | 121.2 | 118.8 | 122.3 |
| 110 | Manufacture of beverages | 65.6 | 16.8 | 18.6 | 62.8 | 60.4 | 42.2 | 42.1 | 43.7 | 68.8 | 143.7 | 135.5 | 178.8 | 73.3 |
| 120 | Manufacture of tobacco products | 25.2 | 3.3 | 4.4 | 4.4 | 4 | 4.5 | 3.9 | 4 | 4.1 | 3.2 | 3.6 | 4.4 | 5.8 |
| 131 | Spinning, weaving and finishing of textiles | 94.8 | 28.7 | 24.8 | 43.4 | 72.7 | 85.8 | 79.7 | 81.9 | 139.8 | 115.3 | 177.1 | 124.9 | 89.1 |
| 139 | Manufacture of other textiles | 84.2 | 113.7 | 84.1 | 127.7 | 125.2 | 139.2 | 115.7 | 148.2 | 143.4 | 119.9 | 119.6 | 106.4 | 118.9 |
| 141 | Manufacture of wearing apparel, except fur apparel | 74.8 | 90.3 | 120.2 | 140.4 | 146.2 | 148.4 | 110.9 | 160.6 | 164.8 | 148.9 | 147.1 | 231.4 | 140.4 |
| 151 | Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 152 | Manufacture of footwear | 212.5 | 6.8 | 104.5 | 141.9 | 80 | 113 | 73.7 | 120.8 | 116.2 | 110 | 68.1 | 102 | 104.1 |
| 161 | Saw milling and planing of wood | 57.8 | 26.7 | 102.1 | 120.9 | 122.5 | 91.6 | 89.5 | 63.9 | 92.6 | 80.3 | 69.9 | 66.3 | 82.5 |
| 162 | Manufacture of products of wood, cork, straw and plaiting materials | 188.8 | 93.6 | 97.1 | 159.6 | 137.1 | 192.7 | 205.2 | 205.3 | 255.4 | 194.3 | 191.6 | 159.2 | 173.3 |
| 170 | Manufacture of paper and paper products | 82.9 | 39.5 | 68.5 | 88.6 | 70.3 | 95.9 | 89.8 | 77.4 | 75.8 | 91.5 | 131.6 | 73.4 | 80.6 |
| 181 | Printing and service activities related to printing | 42.1 | 42.4 | 42.6 | 44.6 | 43.6 | 43.8 | 42.1 | 41.8 | 43.2 | 43.3 | 39.9 | 43.9 | 42.8 |
| 191 | Manufacture of coke oven products | 248.6 | 253.3 | 259 | 254.3 | 283.8 | 257.5 | 276 | 266.3 | 256.2 | 263.4 | 218.3 | 249 | 257.1 |
| 192 | Manufacture of refined petroleum products | 49.5 | 28.5 | 147.4 | 128.2 | 135.6 | 34.1 | 32.1 | 84.8 | 90.2 | 30.1 | 31.9 | 33.3 | 68.8 |
| 201 | Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms | 116.2 | 96.8 | 98.2 | 112.4 | 99.1 | 102.4 | 136.6 | 135.1 | 139.2 | 134 | 138 | 143.3 | 120.9 |
| 202 | Manufacture of other chemical products | 34.1 | 63.7 | 100.3 | 51.9 | 43.4 | 53.7 | 45.8 | 287.7 | 54.3 | 37.8 | 43.6 | 50.5 | 72.2 |
| 210 | Manufacture of pharmaceuticals, medicinal chemical and botanical products | 191.2 | 178 | 179.5 | 210.5 | 235.8 | 292.7 | 247.4 | 284.3 | 439.6 | 298.2 | 414.1 | 338.3 | 275.8 |

Table 6-4 (g) (Contd.): Monthly Index of Industrial Production at the 3-Digit Level -2021-'22

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 221 | Manufacture of rubber products | 84.7 | 41.9 | 88.7 | 101.9 | 90.8 | 112.5 | 87.4 | 82.7 | 98.5 | 110.7 | 107.5 | 92.3 | 91.6 |
| 222 | Manufacture of plastics products | 107.7 | 57.5 | 109.4 | 115 | 50.7 | 132.2 | 123.8 | 141.9 | 158.6 | 122.2 | 133.5 | 130.5 | 115.2 |
| 231 | Manufacture of glass and glass products | 117 | 32 | 82 | 127.4 | 140.5 | 152.1 | 163.7 | 190.6 | 156.8 | 155.3 | 151.4 | 170.3 | 136.6 |
| 239 | Manufacture of non-metallic mineral products n.e.c. | 96.9 | 73.8 | 98.1 | 95 | 82.2 | 108.1 | 107.3 | 85.2 | 92.8 | 89 | 94.3 | 154.6 | 98.1 |
| 241 | Manufacture of basic iron and steel | 99.7 | 49.7 | 72.1 | 54.1 | 53.8 | 58.9 | 91.5 | 69.1 | 74.5 | 88.2 | 84.4 | 99.4 | 74.7 |
| 242 | Manufacture of basic precious and other non-ferrous metals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 243 | Casting of metals | 101.8 | 64.1 | 125.4 | 146 | 137.3 | 151.6 | 138.7 | 145.9 | 137.7 | 175.5 | 148.9 | 99 | 131 |
| 251 | Manufacture of structural metal products, tanks, reservoirs and steam generators | 81.3 | 53.9 | 19.5 | 28.9 | 23.5 | 96.3 | 41.5 | 15.7 | 84.8 | 21.6 | 28.3 | 85.5 | 48.4 |
| 259 | Manufacture of other fabricated metal products; metalworking service activities | 140 | 65.8 | 104.5 | 80.8 | 109.5 | 118.4 | 93.7 | 92 | 106.9 | 160.3 | 154.3 | 146.6 | 114.4 |
| 261 | Manufacture of electronic components | 94.9 | 76.7 | 113.9 | 133.3 | 131 | 117.9 | 119.9 | 108 | 118.6 | 139.4 | 137.2 | 144.3 | 119.6 |
| 262 | manufacture of computers and peripheral equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 263 | Manufacture of communication equipment | 1.8 | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 0.2 | 3.1 | 0.9 | 9.9 | 7.6 | 2.2 |
| 265 | Manufacture of measuring, testing, navigating and control equipment; watches and clocks | 53.9 | 10.6 | 67.1 | 99.2 | 71.6 | 74.2 | 84.9 | 74.6 | 86.9 | 60.3 | 84.6 | 82.2 | 70.9 |
| 271 | Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus | 247.9 | 49.4 | 285.9 | 280.4 | 299.4 | 339.7 | 354 | 387.5 | 357.7 | 372.3 | 396.8 | 417.9 | 315.8 |
| 272 | Manufacture of batteries and accumulators | 224 | 8.7 | 109.2 | 59.6 | 130.8 | 155.2 | 141.2 | 85.5 | 132.9 | 115.9 | 31.6 | 110.5 | 108.8 |
| 273 | Manufacture of wiring and wiring devices | 61.7 | 78.2 | 57.9 | 19 | 1.1 | 18.6 | 64.1 | 239.9 | 297.5 | 39.5 | 36.2 | 3.3 | 76.4 |
| 274 | Manufacture of electric lighting equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 281 | Manufacture of general purpose machinery | 57.5 | 28.7 | 51.5 | 64.8 | 125 | 88.6 | 88.6 | 59.9 | 275 | 225 | 200 | 261.7 | 127.2 |
| 282 | Manufacture of special-purpose machinery | 64.5 | 33 | 54.2 | 95.3 | 88.1 | 104.2 | 97.8 | 100.3 | 76 | 87.4 | 102 | 207.3 | 92.5 |
| 292 | Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers | 181.8 | 181.8 | 136.4 | 63.6 | 45.5 | 0 | 63.6 | 54.5 | 90.9 | 90.9 | 81.8 | 118.2 | 92.5 |
| 293 | Manufacture of parts and accessories for motor vehicles | 181.8 | 34.1 | 100 | 118.2 | 111.4 | 145.5 | 70.5 | 61.4 | 81.8 | 118.2 | 90.9 | 100 | 101.1 |
| 301 | Building of ships and boats | 77.3 | 0 | 54.5 | 68.2 | 72.7 | 68.2 | 36.4 | 54.5 | 131.8 | 27.3 | 22.7 | 72.7 | 57.2 |
| 310 | Manufacture of furniture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 321 | Manufacture of jewellery, bijouterie and related articles | 35.3 | 0.1 | 9.5 | 33.1 | 45.2 | 45.2 | 45.2 | 45.2 | 41.1 | 36.8 | 56.9 | 9.3 | 33.6 |
| 325 | Manufacture of medical and dental instruments and supplies | 95 | 38.6 | 121.3 | 138.6 | 134.3 | 145.6 | 0 | 140.9 | 132.4 | 75.4 | 120.4 | 154.3 | 108.1 |
| 329 | Other manufacturing nec (not-elsewhere classification) | 123.7 | 0 | 116.7 | 120.4 | 122.2 | 108.1 | 111.8 | 104.4 | 129 | 138.8 | 138.2 | 152.3 | 113.8 |

Table 6-4 (h): Monthly Index of Industrial Production at the 3-Digit Level -2022-'23

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 102 | Processing and preserving of fish, crustaceans and molluscs and products thereof | 76.7 | 63.4 | 86.7 | 171 | 141.1 | 146.8 | 133 | 165.5 | 159.1 | 102.2 | 89.7 | 256.3 | 132.6 |
| 103 | Processing and preserving of fruit and vegetables | 1034.9 | 421.2 | 38 | 0 | 0 | 0 | 1.1 | 47.9 | 257.1 | 426.2 | 849.6 | 569.7 | 303.8 |
| 104 | Manufacture of vegetable and animal oils and fats | 35.8 | 21.8 | 39.6 | 49.5 | 34.9 | 49.2 | 46.4 | 56.2 | 50.6 | 54 | 48.3 | 51.2 | 44.8 |
| 105 | Manufacture of dairy products | 56.8 | 80.1 | 78.2 | 80.4 | 95.9 | 98.8 | 80.6 | 77.7 | 78.9 | 81.2 | 74.1 | 82.5 | 80.4 |
| 106 | Manufacture of grain mill products, starches and starch products | 107.3 | 101.9 | 106 | 122.8 | 124.1 | 120 | 150 | 146.5 | 131.5 | 112.1 | 111 | 111.5 | 120.4 |
| 107 | Manufacture of other food products | 71.1 | 129.9 | 89.5 | 98.2 | 123.7 | 90.4 | 96.4 | 102.7 | 119.4 | 102.2 | 92.8 | 89.3 | 100.5 |
| 108 | Manufacture of prepared animal feeds | 113.9 | 106 | 110.7 | 112.3 | 123.4 | 97.1 | 94 | 112.9 | 116.6 | 124.5 | 115.1 | 121 | 112.3 |
| 110 | Manufacture of beverages | 200.8 | 178.8 | 201.6 | 196.4 | 230.3 | 168.2 | 59.9 | 135.2 | 198.3 | 94.9 | 76.7 | 159.8 | 158.4 |
| 120 | Manufacture of tobacco products | 3.1 | 3.8 | 4.6 | 27.2 | 25.6 | 21.7 | 23.3 | 24.4 | 25 | 19.5 | 21 | 115.9 | 26.3 |
| 131 | Spinning, weaving and finishing of textiles | 127.6 | 69.1 | 46.7 | 72.5 | 83.4 | 87.4 | 99.5 | 183 | 162.2 | 155.8 | 264 | 58.4 | 117.5 |
| 139 | Manufacture of other textiles | 94.2 | 104.7 | 119.8 | 91 | 114 | 81.6 | 81.8 | 44.8 | 78.8 | 41.9 | 43.3 | 65.1 | 80.1 |
| 141 | Manufacture of wearing apparel, except fur apparel | 126.6 | 283.9 | 159.6 | 150.5 | 68.9 | 81.5 | 64.7 | 16.8 | 22.3 | 19.8 | 31.8 | 51.4 | 89.8 |
| 151 | Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 152 | Manufacture of footwear | 142.7 | 159.5 | 170.2 | 154 | 141.6 | 147.9 | 130.1 | 117.3 | 80.1 | 73.6 | 87.1 | 128.8 | 127.7 |
| 161 | Saw milling and planning of wood | 72.8 | 54.1 | 51.9 | 51.8 | 66.6 | 69.1 | 60.3 | 65.1 | 70.4 | 77.1 | 52.2 | 67.3 | 63.2 |
| 162 | Manufacture of products of wood, cork, straw and plaiting materials | 234.5 | 229.9 | 227.5 | 247.5 | 227.5 | 145.5 | 198.5 | 188.8 | 190.4 | 180.9 | 127.7 | 162 | 196.7 |
| 170 | Manufacture of paper and paper products | 156.5 | 81.1 | 65.4 | 76.6 | 95.9 | 66.5 | 83.1 | 67.4 | 57.1 | 37.4 | 35.1 | 77 | 74.9 |
| 181 | Printing and service activities related to printing | 41 | 42.1 | 41.9 | 43.3 | 41.6 | 40.2 | 39.8 | 41.1 | 40.9 | 41.9 | 37.9 | 41.7 | 41.1 |
| 191 | Manufacture of coke oven products | 176.6 | 241.8 | 251.1 | 269.9 | 264.9 | 256 | 246.4 | 235.1 | 240.2 | 232.9 | 204.3 | 274.7 | 241.2 |
| 192 | Manufacture of refined petroleum products | 36 | 32.3 | 34.9 | 38.3 | 34.6 | 34.9 | 86 | 34.5 | 35 | 35.3 | 38.4 | 45.4 | 40.5 |
| 201 | Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms | 115 | 106.6 | 116 | 122.9 | 142.4 | 126.2 | 144.3 | 100.5 | 135.5 | 123.7 | 125.7 | 145.6 | 125.4 |
| 202 | Manufacture of other chemical products | 39.4 | 52.4 | 63.4 | 38.3 | 42 | 67 | 48 | 44.9 | 48.8 | 36.5 | 37 | 49.4 | 47.3 |
| 210 | Manufacture of pharmaceuticals, medicinal chemical and botanical products | 294.9 | 368.4 | 316.3 | 289.6 | 327.4 | 262.2 | 286.9 | 338.5 | 447.4 | 359.5 | 384.5 | 397.4 | 339.4 |

Table 6-4 (h) (Contd.): Monthly Index of Industrial Production at the 3-Digit Level -2022-'23

| NIC 3 digit | Description | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Annual |
|-------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|
| 221 | Manufacture of rubber products | 89.5 | 88 | 88.8 | 92.5 | 98 | 93.9 | 108.2 | 108.7 | 98.2 | 94.7 | 86.6 | 91.1 | 94.9 |
| 222 | Manufacture of plastics products | 131.3 | 156.8 | 145.3 | 157.9 | 128.5 | 103.3 | 110.4 | 149.1 | 83.2 | 102.5 | 138.9 | 132 | 128.3 |
| 231 | Manufacture of glass and glass products | 160.7 | 160 | 175.8 | 129.2 | 168.1 | 136.1 | 153.1 | 160.3 | 150.7 | 144 | 115.4 | 118.9 | 147.7 |
| 239 | Manufacture of non-metallic mineral products n.e.c. | 110.2 | 88.8 | 89.4 | 87.7 | 78.8 | 74.3 | 91.5 | 89.2 | 105.7 | 103.5 | 102.3 | 104.1 | 93.8 |
| 241 | Manufacture of basic iron and steel | 87.2 | 84.4 | 87.9 | 88.1 | 86.7 | 67.2 | 68.8 | 72.9 | 68.7 | 86.7 | 78.8 | 82.2 | 80 |
| 242 | Manufacture of basic precious and other non-ferrous metals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 243 | Casting of metals | 182.9 | 175.9 | 209.7 | 200.7 | 190.1 | 202 | 193 | 208.3 | 233.8 | 191.1 | 187.6 | 188.9 | 197 |
| 251 | Manufacture of structural metal products, tanks, reservoirs and steam generators | 30.5 | 19.9 | 28.6 | 62.3 | 16.6 | 41.5 | 39.7 | 41.6 | 35.4 | 26.9 | 19.9 | 13.4 | 31.4 |
| 259 | Manufacture of other fabricated metal products; metalworking service activities | 110.1 | 89.1 | 110.4 | 92.3 | 62.9 | 100.8 | 73.7 | 105.3 | 119.4 | 95.5 | 132.9 | 133.2 | 102.1 |
| 261 | Manufacture of electronic components | 107.5 | 143 | 128.4 | 129.1 | 115.5 | 138.1 | 86.4 | 97.9 | 87.2 | 83.8 | 80.1 | 124.5 | 110.1 |
| 262 | manufacture of computers and peripheral equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 263 | Manufacture of communication equipment | 4.3 | 0.2 | 1.7 | 1.7 | 2.8 | 0.2 | 0.9 | 1.6 | 0.1 | 0.1 | 3.9 | 0.2 | 1.5 |
| 265 | Manufacture of measuring, testing, navigating and control equipment; watches and clocks | 85.3 | 71.6 | 75.8 | 76.4 | 80.6 | 90.4 | 99.5 | 109.4 | 100 | 75.5 | 85.1 | 112.4 | 88.5 |
| 271 | Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus | 288.9 | 309.1 | 291.1 | 271.1 | 152.7 | 265.1 | 310.4 | 300.5 | 396 | 289.6 | 343 | 367.1 | 298.7 |
| 272 | Manufacture of batteries and accumulators | 154.5 | 191.9 | 251 | 194.7 | 261.1 | 133.6 | 145.4 | 114.9 | 133.4 | 75.8 | 95.1 | 128.2 | 156.6 |
| 273 | Manufacture of wiring and wiring devices | 0 | 0 | 0 | 0 | 10.2 | 0 | 0 | 6.7 | 3.5 | 1549.1 | 7.9 | 24.1 | 133.5 |
| 274 | Manufacture of electric lighting equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 281 | Manufacture of general purpose machinery | 28.9 | 175 | 79.2 | 56.9 | 175 | 43.2 | 300 | 200 | 275 | 72 | 51.1 | 71.9 | 127.4 |
| 282 | Manufacture of special-purpose machinery | 16 | 18.6 | 39 | 44.7 | 47.5 | 55.3 | 58.8 | 62.7 | 67.2 | 69 | 81.5 | 113.4 | 56.1 |
| 292 | Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers | 109.1 | 100 | 100 | 81.8 | 100 | 145.5 | 136.4 | 90.9 | 118.2 | 81.8 | 118.2 | 136.4 | 109.9 |
| 293 | Manufacture of parts and accessories for motor vehicles | 134.1 | 115.9 | 93.2 | 147.7 | 125 | 136.4 | 152.3 | 143.2 | 159.1 | 145.5 | 168.2 | 186.4 | 142.3 |
| 301 | Building of ships and boats | 36.4 | 113.6 | 0 | 22.7 | 54.5 | 9.1 | 27.3 | 68.2 | 63.6 | 36.4 | 86.4 | 86.4 | 50.4 |
| 310 | Manufacture of furniture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 321 | Manufacture of Jewellery, bijouterie and related articles | 44.8 | 56 | 37.3 | 74.4 | 47.7 | 45.4 | 22 | 36 | 33.9 | 20.9 | 28.2 | 15 | 38.5 |
| 325 | Manufacture of medical and dental instruments and supplies | 156.7 | 152.6 | 167.2 | 158.7 | 191.2 | 187.8 | 220.4 | 205.5 | 208.2 | 215.4 | 174.7 | 174.7 | 184.4 |
| 329 | Other manufacturing nec (not-elsewhere classification) | 110.6 | 147.4 | 153.6 | 116.7 | 117.3 | 112.4 | 115.5 | 118.6 | 81.1 | 95.8 | 64 | 64.5 | 108.1 |



Government of Kerala

Department of Economics & Statistics
Thiruvananthapuram, Kerala

Website: www.ecostat.kerala.gov.in, Email: www.ecostatdir@gmail.com