

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**



**INDEX OF**

**INDUSTRIAL PRODUCTION**

**2020-21**

**1<sup>st</sup> Quarter (April 2020- June 2020)**

**BASE YEAR: (2011-12)**

**GOVT. OF NCT OF DELHI**  
**(DIRECTORATE OF ECONOMICS & STATISTICS)**

**IIP UNIT**  
**(INDEX OF INDUSTRIAL PRODUCTION)**  
**(1st Quarter April 2020-June 2020)**

**(Base Year: 2011-12=100)**

**1.1** Directorate of Economics & Statistics, Govt. of NCT of Delhi compiles the Index of Industrial Production (IIP) for Delhi on monthly basis and releases on annual/quarterly basis. The base year for the IIP is 2011-12=100. IIP is the short term indicator of the trend in organized manufacturing sector. For 1<sup>st</sup> quarter of FY 2020-21, the IIP is compiled on the basis of monthly production data received from 135 industries comprising 134 manufacturing units and an electricity production unit. For the purpose of compiling IIP, the industry sector has been divided into manufacturing and electricity sector. 58.61% weight has been assigned to manufacturing sector whereas electricity sector has been assigned 41.39% weight. The manufacturing sector has been further divided into 23 major industrial groups at two digit level NIC-2008. The methodology adopted to calculate Index of Industrial Production (IIP) is attached at Annexure I .

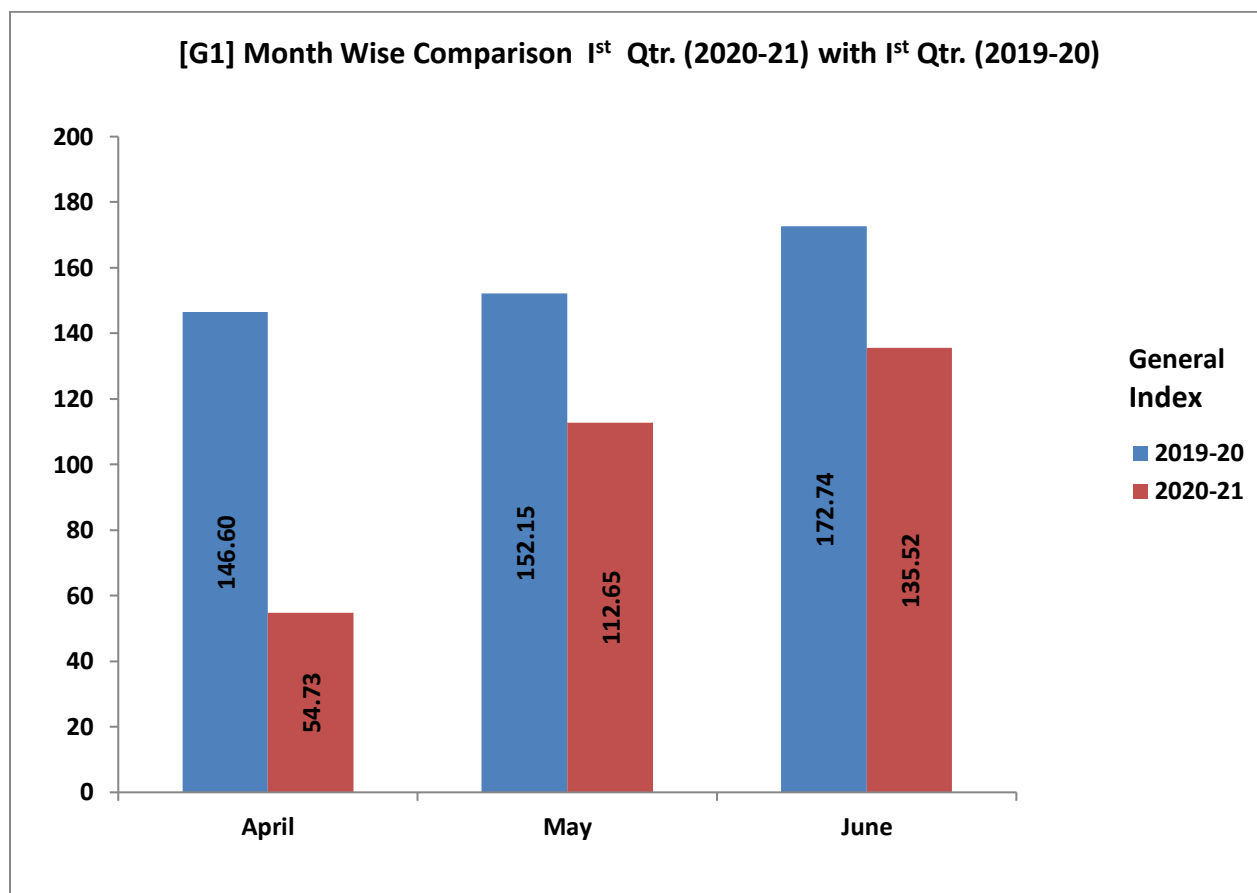
**1.2** Although, the IIP had been compiled on monthly basis but in practice it was being released annually/quarterly in previous years. Now the index for the 1<sup>st</sup> quarter (April 20 to June 20) of financial year 2020-21 has been compiled and same is presented below.

**Table 1: Sector wise comparison of IIP 1<sup>st</sup> Qtr. (April to June 2020-21) with 1<sup>st</sup> Qtr. 2019-20:**

| Sector  | Manufacturing |         | Electricity |         | General Index |         |
|---------|---------------|---------|-------------|---------|---------------|---------|
| Month   | 2019-20       | 2020-21 | 2019-20     | 2020-21 | 2019-20       | 2020-21 |
| April   | 149.72        | 16.62   | 142.18      | 108.70  | 146.60        | 54.73   |
| May     | 150.83        | 85.07   | 154.02      | 151.71  | 152.15        | 112.65  |
| June    | 157.63        | 124.08  | 194.14      | 151.71  | 172.74        | 135.52  |
| Average | 152.73        | 75.26   | 163.45      | 137.37  | 157.16        | 100.97  |

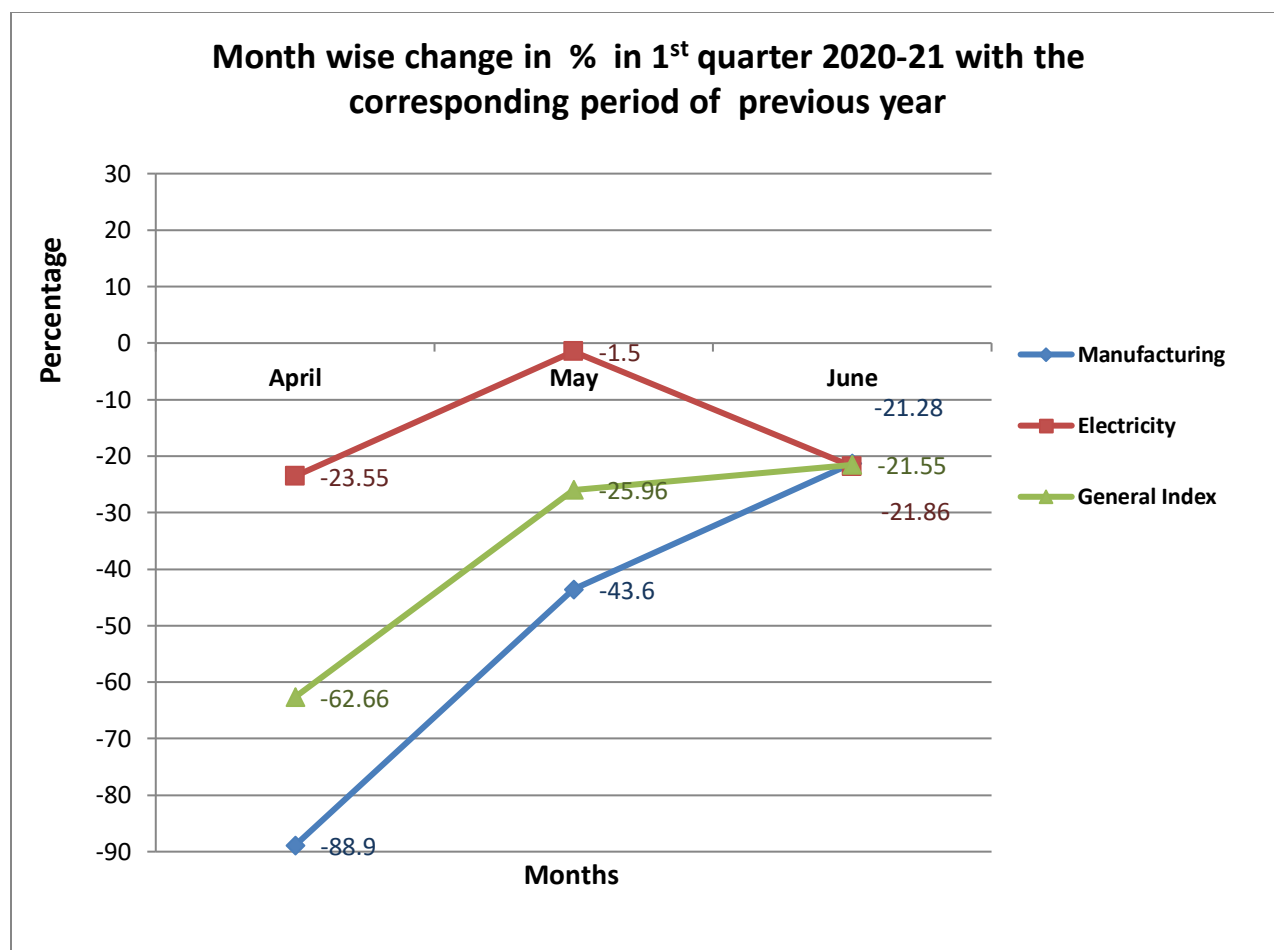
**Table 1A-Quarterly (April to June 2020-21 with Jan. to Mar. 2019-20) Index of Industrial Production by Sectors:**

| Sector        | Jan-20 | Feb-20 | Mar-20 | Average<br>(2019-20) | Apr-20 | May-20 | Jun-20 | Average<br>(2020-21) |
|---------------|--------|--------|--------|----------------------|--------|--------|--------|----------------------|
| Manufacturing | 186.04 | 169.39 | 112.40 | 155.94               | 16.62  | 85.07  | 124.08 | 75.26                |
| Electricity   | 142.41 | 149.79 | 131.52 | 141.24               | 108.70 | 151.71 | 151.71 | 137.37               |
| General Index | 167.98 | 161.28 | 120.31 | 149.86               | 54.73  | 112.65 | 135.52 | 100.97               |



**Table 2: Comparison of 1<sup>st</sup> Quarter 2020-21 with the corresponding period of previous year 2019-20:**

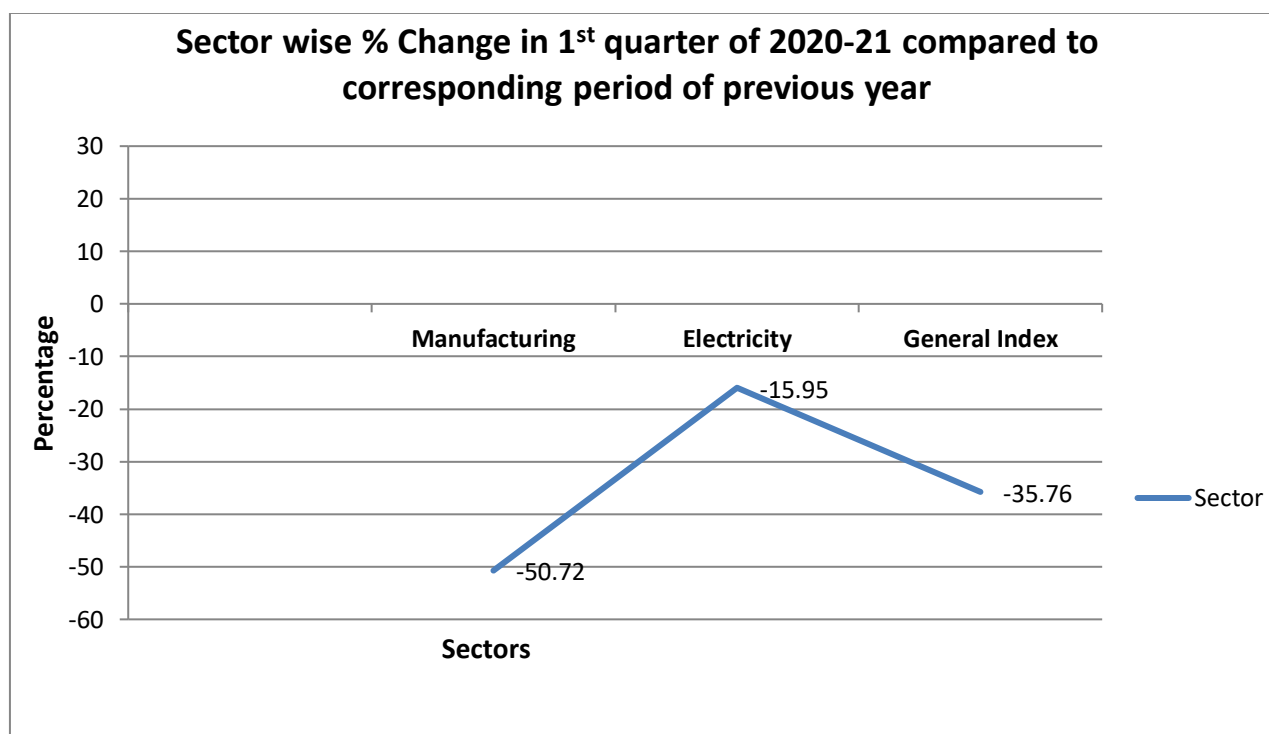
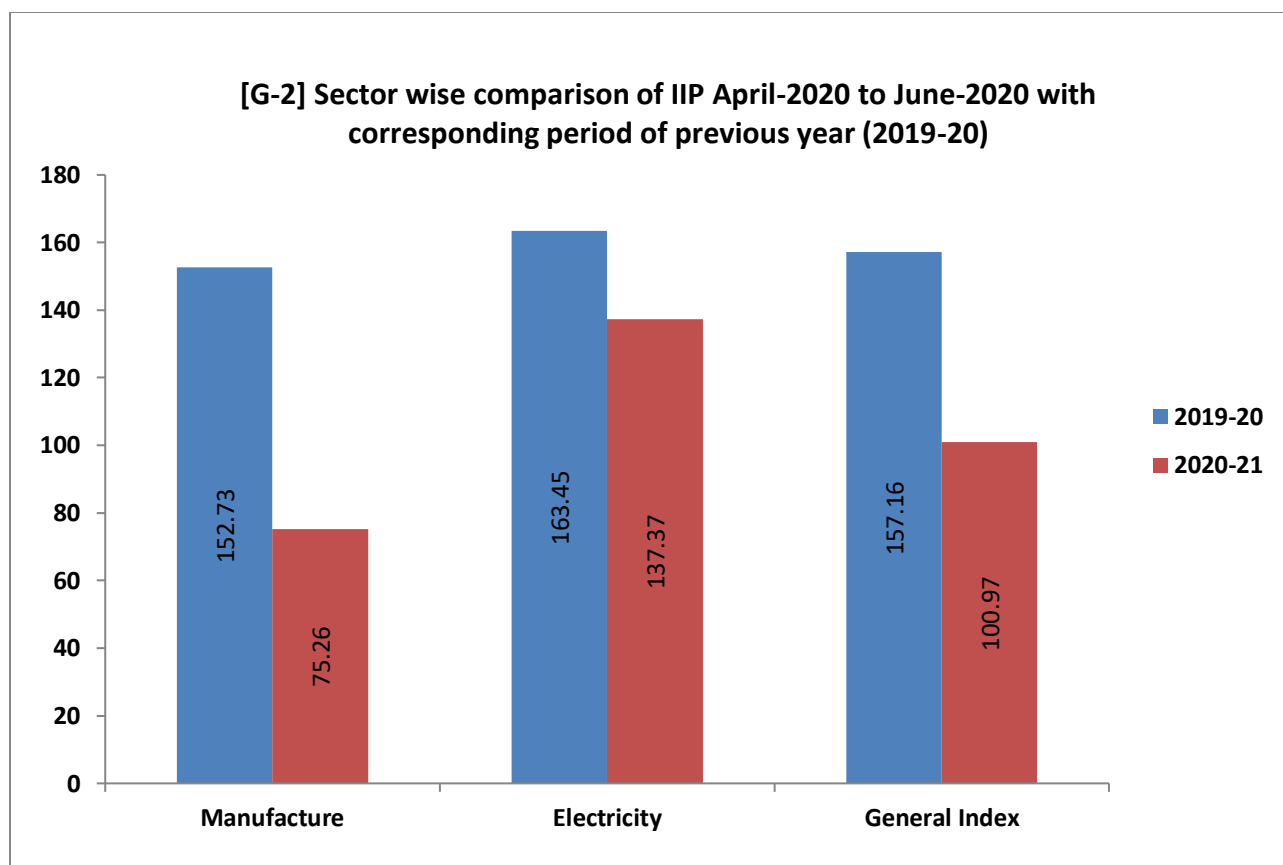
|                | Manufacturing |              |                   | Electricity   |               |                   | General Index |               |                   |
|----------------|---------------|--------------|-------------------|---------------|---------------|-------------------|---------------|---------------|-------------------|
| Month          | 2019-20       | 2020-21      | % Incr./<br>Decr. | 2019-<br>20   | 2020-21       | % Incr./<br>Decr. | 2019-20       | 2020-21       | % Incr./<br>Decr. |
| <b>Apr-20</b>  | 149.72        | 16.62        | -88.90            | 142.18        | 108.70        | -23.55            | 146.60        | 54.73         | -62.66            |
| <b>May-20</b>  | 150.83        | 85.07        | -43.60            | 154.02        | 151.71        | -1.50             | 152.15        | 112.65        | -25.96            |
| <b>Jun-20</b>  | 157.63        | 124.08       | -21.28            | 194.14        | 151.71        | -21.86            | 172.74        | 135.52        | -21.55            |
| <b>Average</b> | <b>152.73</b> | <b>75.26</b> | <b>-50.72</b>     | <b>163.45</b> | <b>137.37</b> | <b>-15.95</b>     | <b>157.16</b> | <b>100.97</b> | <b>-35.76</b>     |



**Table 3: Comparison of 1<sup>st</sup> Quarter (April to June 2020) with the corresponding period of previous year i.e. 2019-20 of Delhi with All India Index of Industrial Production.**

|                  | Manufacturing           |                         |               | Electricity             |                         |               | General index           |                         |               |
|------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|---------------|
|                  | April to June (2019-20) | April to June (2020-21) | % Incr./ Dec. | April to June (2019-20) | April to June (2020-21) | % Incr./ Dec. | April to June (2019-20) | April to June (2020-21) | % Incr./ Dec. |
| <b>Delhi</b>     | 152.73                  | 75.26                   | <b>-50.72</b> | 163.45                  | 137.37                  | <b>-15.95</b> | 157.16                  | 100.97                  | <b>-35.76</b> |
| <b>All India</b> | 130.33                  | 77.33                   | <b>-40.66</b> | 171.13                  | 144.10                  | <b>-15.80</b> | 130.40                  | 83.63                   | <b>-35.86</b> |

Source: From the website of Ministry of Statistics and programme implementation (MOSPI)



**1.3 Key findings on Index of Industrial production (IIP) during the 1<sup>st</sup> Quarter April, 2020 to June, 2020 are as follows:**

- The General Index of Industrial Production has decreased from 157.16 in the corresponding period of previous year to 100.97 indicating a decline of 35.76% in Delhi as compared to 35.86% decrease in the corresponding period at All India Level.
- The Index of Industrial Production for manufacturing sector during the 1st quarter of the current financial year 2020-21 has decreased from 152.73 in the corresponding period of previous year 2019-20 to 75.26 indicating a negative growth of 50.72% in Delhi as compared to 40.66% decrease in the corresponding period at All India Level.
- The Electricity Sector of Index of Industrial Production has decreased from 163.45 in the corresponding period of previous year to 137.37 indicating a decline of 15.95% in Delhi as compared to 15.80% decrease in the corresponding period at All India Level.

**Table 4:-Sector wise comparison of IIP April to June (2020-21) with 4th Qtr. of previous year (2019-20):**

| Sector               | 2019-20 (4 <sup>th</sup> Qtr.) |        |        |         | 2020-21 (1 <sup>st</sup> Qtr.) |        |        |         | % Change      |
|----------------------|--------------------------------|--------|--------|---------|--------------------------------|--------|--------|---------|---------------|
|                      | Jan-20                         | Feb-20 | Mar-20 | Average | Apr-20                         | May-20 | Jun-20 | Average |               |
| <b>Manufacturing</b> | 186.04                         | 169.39 | 112.40 | 155.94  | 16.62                          | 85.07  | 124.08 | 75.26   | <b>-51.74</b> |
| <b>Electricity</b>   | 142.41                         | 149.79 | 131.52 | 141.24  | 108.70                         | 151.71 | 151.71 | 137.37  | <b>-2.74</b>  |
| <b>General Index</b> | 167.98                         | 161.28 | 120.31 | 149.86  | 54.73                          | 112.65 | 135.52 | 100.97  | <b>-32.62</b> |

**1.4 The salient features of IIP for 1<sup>st</sup> Quarter (April to June 20) of F.Y. 2020-21 with the 4<sup>th</sup> Quarter (Jan to March-20) of F.Y. 2019-20 are as follows:**

- The 51.74% decline in growth is showing in Manufacturing sector of 1<sup>st</sup> quarter 2020-21 (April to June 2020) as compared with the 4<sup>th</sup> quarter of 2019-20 (January to March 2020).
- The 2.74% decline in growth is showing in Electricity sector of 1<sup>st</sup> quarter 2020-21 (April to June 2020) as compared with the 4<sup>th</sup> quarter of 2019-20 (January to March 2020).
- The 32.62% decline in growth is showing in General Index of 1<sup>st</sup> quarter 2020-21 (April to June 2020) as compared with the 4<sup>th</sup> quarter of 2019-20 (January to March 2020).

**Table 5 : Index of Industrial Production at 2 Digit level of NIC 2008 (Base Year 2011-12=100) for 1<sup>st</sup> quarter of 2020-21 & 2019-20.**

| NIC-2 Digit Code | Description   | Weight         | Quarterly IIP for the year 2020-21 (April 20 to June 20) |               |               |                   |               |               |               |                   | % Incr./ Decr. |
|------------------|---|----------------|--|---------------|---------------|-------------------|---------------|---------------|---------------|-------------------|----------------|
|                  |   |                | Apr-19   | May-19        | Jun-19        | Average (2019-20) | Apr-20        | May-20        | Jun-20        | Average (2020-21) |                |
| 10               | Manufacture of food products  | 143.18         | 287.24   | 289.07        | 332.32        | <b>302.88</b>     | 59.57         | 250.30        | 310.83        | <b>206.90</b>     | -31.69         |
| 11               | Manufacture of beverages  | 0.46           | 68.86  | 69.75         | 64.89         | <b>67.83</b>      | 22.87         | 35.24         | 52.70         | <b>36.94</b>      | -45.55         |
| 12               | Manufacture of tobacco products   | 3.33           | 87.40  | 83.95         | 68.31         | <b>79.88</b>      | 0.00          | 0.00          | 0.00          | <b>0.00</b>       | -100.00        |
| 13               | Manufacture of textiles   | 13.74          | 141.80   | 143.82        | 124.98        | <b>136.87</b>     | 0.00          | 7.43          | 49.29         | <b>18.91</b>      | -86.19         |
| 14               | Manufacture of wearing apparel  | 102.30         | 113.56   | 104.98        | 94.72         | <b>104.42</b>     | 0.31          | 25.78         | 55.12         | <b>27.07</b>      | -74.07         |
| 15               | Manufacture of leather and related products   | 23.25          | 135.43   | 127.50        | 111.36        | <b>124.76</b>     | 0.00          | 25.28         | 50.71         | <b>25.33</b>      | -79.70         |
| 16               | Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and painting materials | 1.14           | 185.34   | 168.06        | 155.08        | <b>169.49</b>     | 0.00          | 182.80        | 164.09        | <b>115.63</b>     | -31.78         |
| 17               | Manufacture of paper and paper products   | 5.13           | 136.46   | 133.61        | 133.95        | <b>134.67</b>     | 2.84          | 22.30         | 65.93         | <b>30.36</b>      | -77.46         |
| 18               | Printing and reproduction of recorded media   | 34.93          | 21.67  | 25.73         | 84.82         | <b>44.07</b>      | 3.65          | 32.25         | 75.93         | <b>37.28</b>      | -15.42         |
| 19               | Manufacture of coke and refined petroleum products  | 0.57           | 0.00   | 0.00          | 0.00          | <b>0.00</b>       | 0.00          | 0.00          | 0.00          | <b>0.00</b>       | 0.00           |
| 20               | Manufacture of chemicals and chemical products  | 24.62          | 65.71  | 70.33         | 86.32         | <b>74.12</b>      | 7.59          | 32.87         | 26.25         | <b>22.23</b>      | -70.00         |
| 21               | Manufacture of pharmaceuticals, medicinal chemical and botanical products   | 24.46          | 80.55  | 75.63         | 63.78         | <b>73.32</b>      | 33.80         | 60.22         | 47.12         | <b>47.05</b>      | -35.83         |
| 22               | Manufacture of rubber and plastics products   | 13.18          | 49.08  | 76.58         | 94.72         | <b>73.46</b>      | 0.00          | 18.82         | 23.51         | <b>14.11</b>      | -80.79         |
| 23               | Manufacture of other non-metallic mineral products  | 1.00           | 95.11  | 43.64         | 25.14         | <b>54.63</b>      | 0.00          | 0.00          | 0.00          | <b>0.00</b>       | -100.00        |
| 24               | Manufacture of Basic Metals   | 13.11          | 427.02   | 447.67        | 403.89        | <b>426.19</b>     | 0.00          | 53.83         | 173.64        | <b>75.83</b>      | -82.21         |
| 25               | Manufacture of fabricated metal products, except machinery and equipment  | 26.69          | 89.48  | 81.35         | 92.10         | <b>87.64</b>      | 0.50          | 33.73         | 65.75         | <b>33.33</b>      | -61.97         |
| 26               | Manufacture of computer, electronic and optical products  | 29.87          | 110.71   | 113.90        | 78.73         | <b>101.11</b>     | 0.00          | 30.42         | 49.06         | <b>26.49</b>      | -73.80         |
| 27               | Manufacture of electrical equipment   | 35.87          | 148.23   | 145.81        | 121.98        | <b>138.67</b>     | 0.00          | 34.57         | 87.20         | <b>40.59</b>      | -70.73         |
| 28               | Manufacture of machinery and equipment n.e.c.   | 26.92          | 89.02  | 118.72        | 96.04         | <b>101.26</b>     | 0.00          | 38.79         | 106.22        | <b>48.34</b>      | -52.26         |
| 29               | Manufacture of motor vehicles, trailers and semi-trailers   | 45.79          | 29.42  | 18.66         | 12.61         | <b>20.23</b>      | 0.00          | 8.20          | 23.81         | <b>10.67</b>      | -47.26         |
| 30               | Manufacture of other transport equipment  | 2.70           | 223.44   | 211.88        | 221.51        | <b>218.94</b>     | 0.00          | 57.79         | 69.34         | <b>42.38</b>      | -80.65         |
| 31               | Manufacture of furniture  | 2.28           | 219.47   | 297.36        | 199.17        | <b>238.67</b>     | 0.00          | 222.11        | 273.27        | <b>165.13</b>     | -30.81         |
| 32               | Other manufacturing   | 11.58          | 184.09   | 227.64        | 265.02        | <b>225.58</b>     | 0.16          | 74.56         | 175.38        | <b>83.36</b>      | -63.04         |
|                  | <b>Manufacturing</b>  | <b>586.10</b>  | <b>149.72</b>  | <b>150.83</b> | <b>157.63</b> | <b>152.73</b>     | <b>16.62</b>  | <b>85.07</b>  | <b>124.08</b> | <b>75.26</b>      | -50.72         |
|                  | <b>Electricity</b>  | <b>413.90</b>  | <b>142.18</b>  | <b>154.02</b> | <b>194.14</b> | <b>163.45</b>     | <b>108.70</b> | <b>151.71</b> | <b>151.71</b> | <b>137.37</b>     | -15.95         |
|                  | <b>General Index</b>  | <b>1000.00</b> | <b>146.60</b>  | <b>152.15</b> | <b>172.74</b> | <b>157.16</b>     | <b>54.73</b>  | <b>112.65</b> | <b>135.52</b> | <b>100.97</b>     | -35.76         |



### **1.5 Index of Industrial Production at the level of NIC two digit**

In view of the preventive measures and enforcement of complete lockdown on account of COVID-19 pandemic, most of the Industrial sector factories/establishments were not operating from the end of March, 2020 onwards. This has had an impact on the items being produced by the factories/establishment during the 1<sup>st</sup> Qtr (April to June-20) for the financial year 2020-21. Consequently, all 23 groups at NIC-2 digit level were showing negative growth in Index of Industrial Production in the 1<sup>st</sup> Qtr. of 2020-21 as compared to 1<sup>st</sup> Qtr. of 2019-20.

- On the basis of weight assigned to NIC groups (at 2-digit Level), four worst affected groups, namely, Manufacturing of food products (NIC-10) with weight of 143.18, Manufacturing of wearing apparel (NIC-14) with weight of 102.30, Manufacturing of motor vehicles, trailers and semi-trailers (NIC-29) with weight 45.79, and Manufacture of electrical equipment (NIC-27) with weight 35.87 had a negative contribution in IIP by 31.69%, 74.07%, 47.26% and 70.73% respectively during the 1<sup>st</sup> Qtr of 2020-21 as compared to 1<sup>st</sup> Qtr of 2019-20.

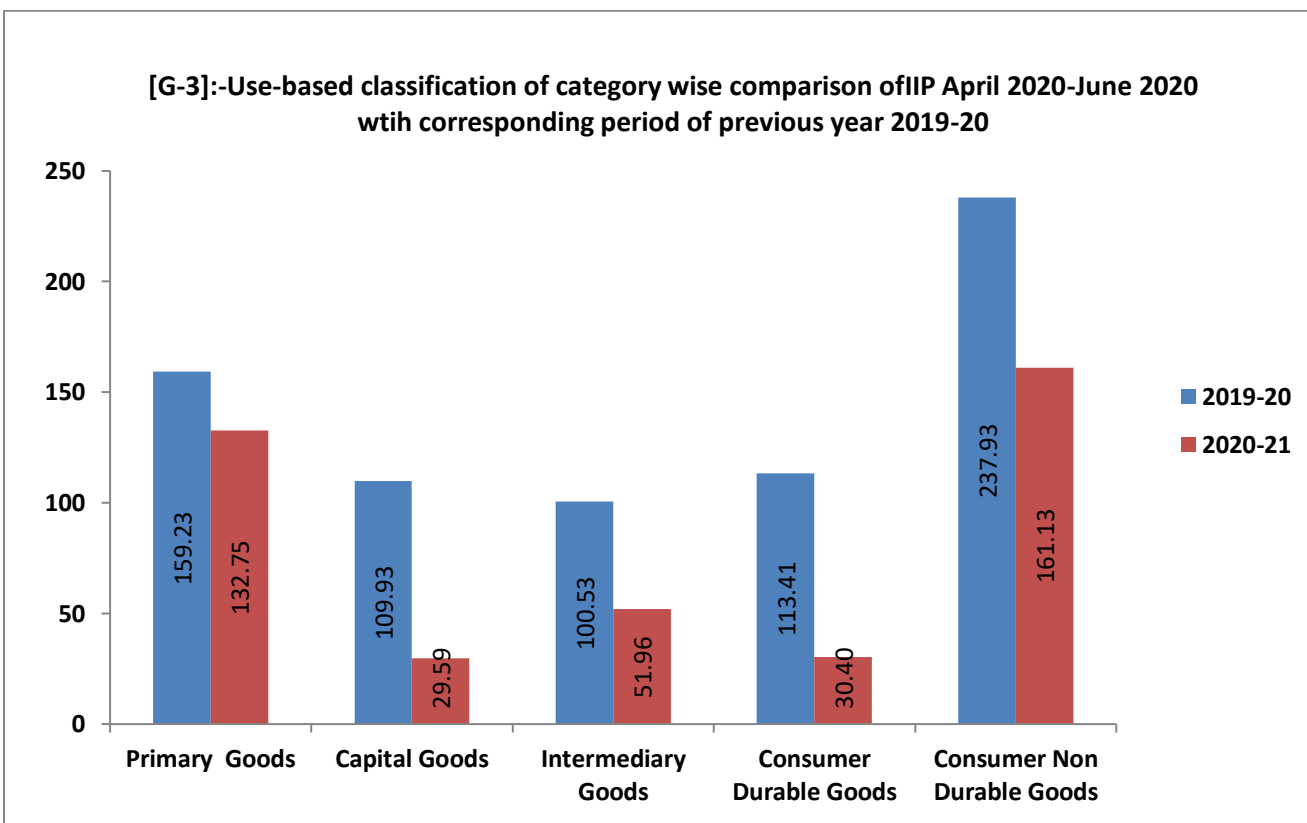
### **1.6 IIP as per Use Based Classification of Items**

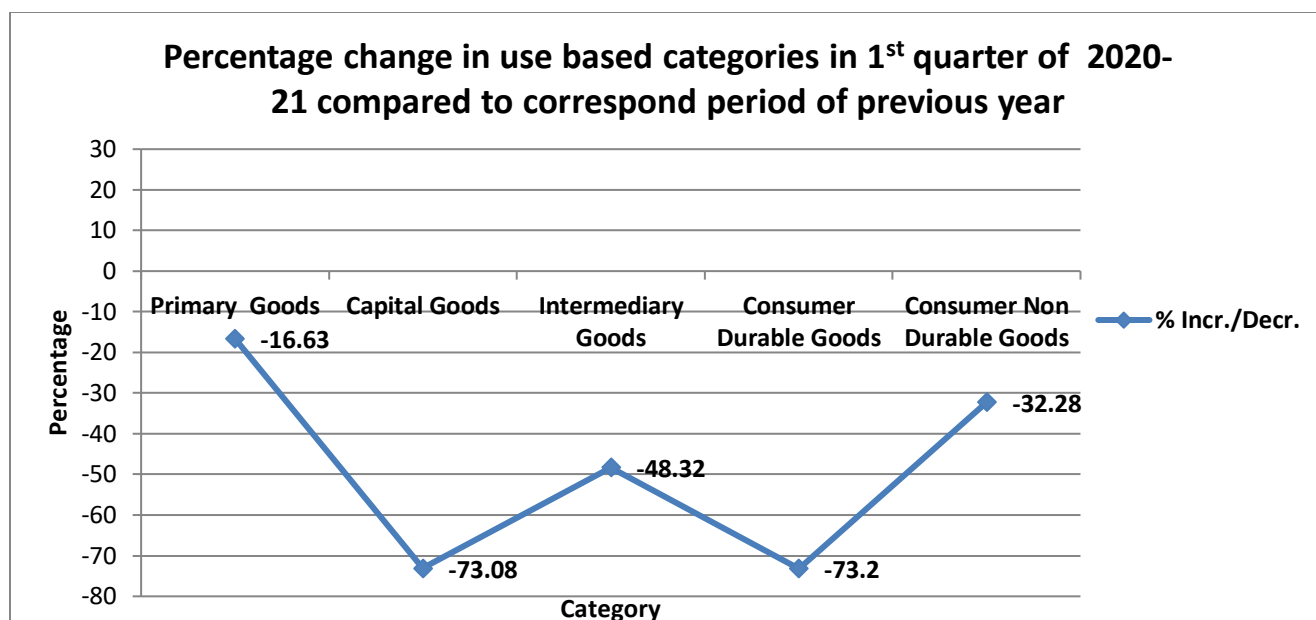
Different industries have been classified on the basis of uses of items produced by these industries to capture the performance of different industrial groups. On the analogy of the use based classification adopted by MOSPI (National Statistics Office), item basket of production has been classified into four main groups. These groups consist of Primary goods, Capital goods, Intermediate goods and Consumer goods. Consumer goods are further subdivided into Consumer durable goods and Consumer non-durable goods. Use based monthly index of Industrial Production provides the information regarding the performance of above mentioned industries which are classified according to their product usage.

Detail of Index of Industrial Production with the Use-Based classification is depicted in Table 6. It is evident that in the 1st quarter of CFY 2020-21, all groups namely, Consumer Durable Goods, Capital Goods, Intermediary Goods, Consumer Non-Durable Goods and Primary Goods have exhibited a negative growth in production index by 73.20%, 73.08%, 48.32%, 32.28% and 16.63% respectively from the corresponding period of previous year i.e. 2019-20. The overall negative growth of 35.76% is observed in the use based classification of items of production.

**Table 6: Use based classification of Category wise comparison of IIP 1<sup>st</sup> Qtr. (2020-21) with corresponding period of previous year 2019-20.**

| Category                   | Weight  | Used Base Index(I) * 100 |        |        |        |        |        |                  |         |                      |
|----------------------------|---------|--------------------------|--------|--------|--------|--------|--------|------------------|---------|----------------------|
|                            |         | Apr-19                   | May-19 | Jun-19 | Apr-20 | May-20 | Jun-20 | Average (IstQtr) |         | %<br>Incr./<br>Decr. |
|                            |         |                          |        |        |        |        |        | 2019-20          | 2020-21 |                      |
| Primary Goods              | 432.21  | 138.40                   | 149.99 | 189.30 | 104.53 | 147.09 | 146.65 | 159.23           | 132.75  | -16.63               |
| Capital Goods              | 163.48  | 113.68                   | 113.38 | 102.72 | 0.95   | 26.88  | 60.94  | 109.93           | 29.59   | -73.08               |
| Intermediary Goods         | 20.59   | 89.37                    | 113.47 | 98.75  | 0.09   | 39.65  | 116.14 | 100.53           | 51.96   | -48.32               |
| Consumer Durable Goods     | 184.70  | 119.29                   | 117.39 | 103.56 | 0.17   | 29.15  | 61.87  | 113.41           | 30.40   | -73.20               |
| Consumer Non Durable Goods | 199.02  | 222.70                   | 224.95 | 266.15 | 47.06  | 193.37 | 242.96 | 237.93           | 161.13  | -32.28               |
| Overall                    | 1000.00 | 146.60                   | 152.15 | 172.74 | 54.73  | 112.65 | 135.52 | 157.16           | 100.97  | -35.76               |





**Table 7: Use-Based Classification of category wise comparison of IIP 1<sup>st</sup> Qtr. (April to June-20) with 4<sup>th</sup> Qtr. of previous year (2019-20).**

| Category                   | Weight  | Used Base Index(I) * 100 |        |        |        |        |        |                                   |                                      |                      |
|----------------------------|---------|--------------------------|--------|--------|--------|--------|--------|-----------------------------------|--------------------------------------|----------------------|
|                            |         | Jan-20                   | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Average                           |                                      | %<br>Incr./<br>Decr. |
|                            |         |                          |        |        |        |        |        | 2019-20<br>(IV <sup>th</sup> Qtr) | 2020-<br>21<br>(I <sup>st</sup> Qtr) |                      |
| Primary Goods              | 432.21  | 138.19                   | 145.62 | 127.46 | 104.53 | 147.09 | 146.65 | 137.09                            | 132.75                               | -3.17                |
| Capital Goods              | 163.48  | 94.60                    | 90.28  | 59.17  | 0.95   | 26.88  | 60.94  | 81.35                             | 29.59                                | -63.62               |
| Intermediary Goods         | 20.59   | 143.78                   | 180.65 | 138.05 | 0.09   | 39.65  | 116.14 | 154.16                            | 51.96                                | -66.30               |
| Consumer Durable Goods     | 184.70  | 119.85                   | 124.01 | 82.58  | 0.17   | 29.15  | 61.87  | 108.81                            | 30.40                                | -72.06               |
| Consumer Non Durable Goods | 199.02  | 340.11                   | 286.18 | 188.19 | 47.06  | 193.37 | 242.96 | 271.49                            | 161.13                               | -40.65               |
| Overall                    | 1000.00 | 167.98                   | 161.28 | 120.31 | 54.73  | 112.65 | 135.52 | 149.86                            | 100.97                               | -32.62               |

Index of Industrial Production with the Use-Based classification is depicted in Table 7. It is evident that in the 1st quarter of CFY 2020-21, all groups, namely, Consumer Durable Goods, Intermediary Goods, Capital Goods, Consumer Non-Durable Goods and Primary Goods have exhibited a negative growth in production index by 72.06%, 66.30%, 63.62%, 40.65% and 3.17% respectively from the 4<sup>th</sup> quarter of previous year, i.e. 2019-20. The overall decrease of 32.62% is observed in the use based classification of items of production.