



# SEPTEMBER 2020 INDEX OF INDUSTRIAL PRODUCTION (IIP)

This is the monthly Index of Industrial Production (IIP). Series has been developed by the National Institute of Statistics of Rwanda (NISR) to provide more timely estimates of the broad trends of industrial output. September 2020
Index of
Industrial
Production
(IIP)

November 2020

# NATIONAL INSTITUTE OF STATISTICS OF RWANDA

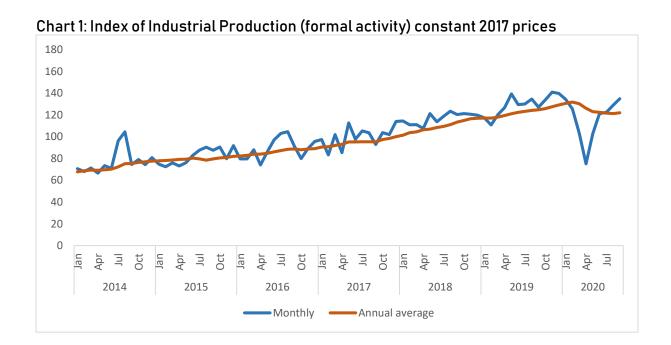
## Monthly Index of Industrial Production - Formal activity - September 2020

### 1. Summary

In September 2020, the Index of Industrial Production (IIP) shows that, industrial output (formal sector) increased by 6.1 percent compared to September 2019, against a decrease of 2.3 percent on annual average basis.

Activities performed as follows:

- Mining and quarrying decreased by 49.3 percent;
- Manufacturing increased by 21.5 percent;
- Electricity increased by 2.6 percent; and
- Water and waste management increased by 12.3 percent



Source: NISR/Index of Industrial Production

### 2. Details

The increase in manufacturing is due mainly to an increase of 50.2 percent in manufacturing of metal products, machinery & equipment, 66.1 percent increase of manufacturing of non-metallic mineral products and 13.0 percent increase of manufacturing of beverages and tobacco. However, the increase in total manufacturing is tempered by a decrease of 30.0 percent in manufacturing of textiles, clothing & leather goods.

Chart 2: Contribution to percentage change

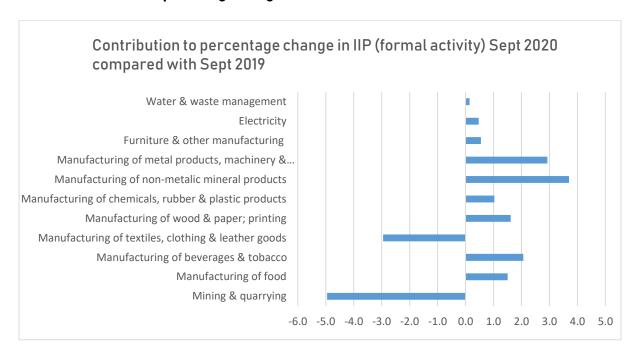


Table 1: Index of Industrial Production, formal activity, 2017=100, monthly

|                      |              | Manufacturing of: |                  |                |                |                |                |                |               | -              |                |                |                |
|----------------------|--------------|-------------------|------------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|
|                      |              |                   |                  | Textiles,      |                | Chemicals.     | Non-           | Metal          |               |                |                |                |                |
|                      |              |                   |                  | clothing &     | Wood &         | rubber &       | metallic       | products,      | Furniture &   | Manufacturing  |                | Water &        |                |
|                      | Mining &     |                   | Beverages &      | leather        | paper;         | plastic        | mineral        | machinery &    | other         | Total          | Electri        | waste          | General        |
|                      | quarrying    | Food              | tobacco          | goods          | printing       | products       | products       | equipment      | manufacturing |                | city           | management     | Index          |
| Jun 2017             | 80.8         | 86.4              | 107.1            | 101.7          | 79.2           | 119.2          | 106.1          | 143.2          | 95.4          | 105.8          | 97.0           | 105.1          | 97.7           |
| Jul 2017             | 119.0        | 95.1              | 105.8            | 129.4          | 95.0           | 112.1          | 93.1           | 99.3           | 128.8         | 100.2          | 102.7          | 107.2          | 105.4          |
| Aug 2017             | 109.0        | 95.5              | 104.3            | 117.0          | 80.6           | 107.2          | 112.2          | 109.8          | 96.6          | 101.9          | 105.4          | 105.5          | <i>103.5</i>   |
| Sep 2017             | 88.1         | 103.5             | 81.6             | 34.4           | 96.1           | 85.0           | 115.6          | 98.8           | 88.0          | 94.5           | 101.7          | 99.9           | 92.9           |
| Oct 2017             | 120.4        | 119.7             | 80.4             | 51.9           | 109.2          | 94.6           | 99.5           | 97.3           | 129.6         | 100.6          | 105.8          | 96.5           | 103.7          |
| Nov 2017             | 99.4         | 118.5             | 76.2             | 77.3           | 139.1          | 120.8          | 113.4          | 98.7           | 88.9          | 103.1          | 101.6          | 99.2           | 102.0          |
| Dec 2017             | 88.4         | 135.9             | 105.8            | 155.8          | 98.2           | 113.6          | 109.1          | 107.7          | 129.2         | 120.9          | 104.4          | 103.7          | 114.0          |
| Jan 2018             | 84.9         | 136.8             | 95.3             | 184.8          | 162.6          | 120.0          | 100.7          | 101.9          | 121.5         | 122.5          | 105.4          | 103.7          | 114.5          |
| Feb 2018             | 80.7         | 140.8             | 93.0             | 228.3          | 106.3          | 89.0           | 79.3           | 98.9           | 125.7         | 118.3          | 99.4           | 91.1           | 110.9          |
| Mar 2018             | 68.5         | 143.3             | 102.3            | 154.7          | 88.2           | 111.9          | 91.9           | 104.2          | 100.4         | 122.9          | 109.4          | 99.4           | 111.0          |
| Apr 2018             | 68.8         | 143.6             | 92.2             | 219.1          | 91.8           | 102.6          | 29.8           | 109.0          | 112.3         | 113.6          | 100.5          | 93.4           | 107.6          |
| May 2018             | 80.0         | 144.9             | 104.7            | 245.7          | 125.5          | 136.0          | 80.5           | 134.7          | 103.2         | 128.2          | 112.1          | 100.8          | 121.2          |
| Jun 2018             | 60.3         | 123.3             | 109.4            | 166.1          | 134.9          | 112.3          | 123.4          | 183.9          | 107.0         | 133.4          | 110.2          | 103.4          | 113.8          |
| Jul 2018             | 54.4         | 131.7             | 123.3            | 187.4          | 109.7          | 112.1          | 141.7          | 152.4          | 120.6         | 134.0          | 115.3          | 113.2          | 118.8          |
| Aug 2018             | 59.3         | 142.3             | 126.0            | 181.9          | 120.5          | 130.3          | 140.8          | 154.3          | 118.3         | 141.1          | 116.0          | 111.3          | <i>123.5</i>   |
| Sep 2018             | 67.2         | 129.6             | 110.1            | 281.4          | 121.3          | 107.5          | 159.5          | 129.1          | 101.2         | 129.2          | 111.8          | 108.8          | 120.4          |
| Oct 2018             | 60.8         | 135.2             | 107.2            | 258.6          | 150.6          | 123.4          | 144.8          | 125.0          | 107.1         | 133.2          | 116.5          | 109.8          | <i>121.2</i>   |
| Nov 2018<br>Dec 2018 | 63.2<br>70.8 | 151.3<br>141.2    | 99.6<br>115.8    | 215.5<br>207.1 | 134.2<br>127.7 | 145.3<br>126.5 | 138.9<br>123.3 | 109.6<br>112.2 | 108.9<br>96.6 | 134.7<br>133.9 | 109.8<br>111.7 | 106.6<br>110.5 | 120.7<br>119.8 |
| Jan 2019             | 70.8         | 129.2             | 118.6            | 207.1          | 127.7          | 145.8          | 123.3<br>99.9  | 112.2          | 96.6          | 128.9          | 115.2          | 109.9          | 117.6<br>117.4 |
| Feb 2019             | 63.1         | 119.3             | 108.4            | 200.3<br>190.7 | 140.5          | 145.8          | 99.9<br>96.4   | 114.2          | 76.6<br>148.7 | 128.9          | 106.6          | 109.9          | 117.4<br>110.8 |
| Mar 2019             | 53.9         | 128.8             | 102.0            | 256.8          | 162.6          | 134.1          | 166.1          | 132.5          | 110.5         | 132.5          | 116.3          | 108.8          | 110.6<br>120.2 |
| Apr 2019             | 82.0         | 134.3             | 127.4            | 198.7          | 180.0          | 174.3          | 113.5          | 124.5          | 125.2         | 134.0          | 114.1          | 104.9          | 120.2<br>126.6 |
| May 2019             | 103.0        | 125.9             | 143.6            | 277.8          | 205.7          | 174.3          | 122.4          | 163.3          | 128.8         | 146.1          | 121.6          | 110.0          | 139.3          |
| Jun 2019             | 52.2         | 109.5             | 145.4            | 244.9          | 173.7          | 153.0          | 154.1          | 254.1          | 141.8         | 160.2          | 115.4          | 109.5          | 129.4          |
| Jul 2019             | 65.2         | 113.5             | 150.1            | 252.5          | 155.6          | 159.0          | 148.3          | 150.4          | 159.4         | 141.3          | 122.4          | 118.4          | 130.1          |
| Aug 2019             | 81.4         | 131.2             | 141.8            | 295.2          | 137.1          | 160.4          | 125.2          | 153.8          | 127.3         | 148.1          | 123.1          | 117.9          | 134.6          |
| Sep2019              | 98.2         | 115.1             | 118.9            | 277.3          | 127.9          | 141.4          | 140.1          | 163.7          | 120.7         | 139.6          | 119.9          | 106.2          | 127.1          |
| Oct 2019             | 121.7        | 132.0             | 119.4            | 270.7          | 138.3          | 146.5          | 115.5          | 152.3          | 138.9         | 143.7          | 121.4          | 110.4          | 133.8          |
| Nov 2019             | 179.7        | 136.5             | 111.0            | 297.6          | 102.0          | 165.0          | 135.1          | 136.3          | 123.3         | 142.2          | 116.6          | 105.6          | 141.0          |
| Dec 2019             | 131.9        | 119.7             | 144.7            | 374.5          | 134.0          | 160.6          | 102.0          | 132.5          | 132.7         | 142.8          | 120.5          | 105.2          | 139.8          |
| Jan 2020             | 141.9        | 116.6             | 131.0            | 256.4          | 128.7          | 161.2          | 131.9          | 139.0          | 137.9         | 138.8          | 118.9          | 111.9          | 134.3          |
| Feb 2020             | 125.3        | 98.3              | 123.3            | 302.5          | 117.6          | 159.5          | 125.0          | 131.6          | 97.7          | 125.7          | 116.2          | 101.6          | 125.5          |
| Mar 2020             | 64.0         | 100.8             | 96.0             | 165.5          | 65.3           | 148.4          | 90.3           | 128.6          | 86.8          | 112.7          | 118.2          | 108.0          | 103.5          |
| Apr 2020             | 33.2         | 84.0              | 78.2             | 100.1          | 74.4           | 104.1          | 57.1           | 35.3           | 14.8          | 75.7           | 98.2           | 100.8          | 75.0           |
| May 2020             | 28.1         | 111.0             | 103.3            | 117.1          | 65.9           | 100.6          | 153.7          | 142.7          | 142.7         | 124.7          | 114.7          | 107.2          | 102.8          |
| June 2020            | 70.2         | 133.8             | 120.8            | 123.8          | 137.7          | 138.7          | 128.1          | 161.1          | 154.1         | 146.9          | 115.6          | 114.4          | 121.2          |
| July 2020            | 53,3         | 124.7             | 143.1            | 123.8          | 67.7           | 132.6          | 176.6          | 182.9          | 140.6         | 152.7          | 115.6          | 114.4          | <i>121.2</i>   |
| Aug 2020             | 41.7         | 101.2             | 145.8            | 271.2          | 143.6          | 186.4          | 154.5          | 218.8          | 134.9         | 153.0          | 126.1          | 125.6          | 128.8          |
| Sept 2020            | 49.8         | 123.1             | 134.3            | 194.0          | 207.3          | 164.6          | 232.7          | 245.9          | 141.3         | 169.6          | 123.1          | 119.2          | 134.9          |
| Sourc                | e NISR/Index | of Indus          | trial Production |                |                |                |                |                |               |                |                |                |                |

Table 2: Index of Industrial Production, formal activity, 2017=100, percentage change on same month in previous year

|           |                              |        |                                |                                             |                              |                                            | facturing of:                       | - 1                                         |                                           | on same mone           |             | <del></del>                           |                  |
|-----------|------------------------------|--------|--------------------------------|---------------------------------------------|------------------------------|--------------------------------------------|-------------------------------------|---------------------------------------------|-------------------------------------------|------------------------|-------------|---------------------------------------|------------------|
|           | Mining<br>&<br>quarryi<br>ng | Food   | Bevera<br>ges &<br>tobacc<br>o | Textiles,<br>clothing &<br>leather<br>goods | Wood &<br>paper;<br>printing | Chemicals,<br>rubber & plastic<br>products | Non-metallic<br>mineral<br>products | Metal products,<br>machinery &<br>equipment | Furniture &<br>other<br>manufacturin<br>g | Manufacturing<br>Total | Electricity | Water<br>&<br>waste<br>manag<br>ement | General<br>Index |
| Jun 2017  | -12.9%                       | 29.4%  | -12.2%                         | 86.6%                                       | -33.6%                       | 61.2%                                      | 31.1%                               | 16.1%                                       | -12.4%                                    | -7.1%                  | 7.0%        | 5.6%                                  | -5.8%            |
| Jul 2017  | 23.4%                        | 16.3%  | -17.7%                         | 133.4%                                      | -65.1%                       | 55.5%                                      | 8.5%                                | 22.8%                                       | 45.8%                                     | -7.4%                  | 12.9%       | 2.6%                                  | 0.4%             |
| Aug 2017  | 52.6%                        | 26.4%  | -21.8%                         | 111.4%                                      | 12.7%                        | 23.4%                                      | 53.5%                               | 2.0%                                        | -5.8%                                     | -10.7%                 | 9.6%        | 0.4%                                  | -0.5%            |
| Sep 2017  | 16.4%                        | -11.7% | -18.5%                         | -1.9%                                       | -24.2%                       | -4.9%                                      | 40.4%                               | 10.6%                                       | -2.8%                                     | -5.8%                  | 12.1%       | 1.9%                                  | -1.9%            |
| Oct 2017  | 75.2%                        | 13.0%  | -11.5%                         | 7.9%                                        | 60.1%                        | 26.1%                                      | -1.8%                               | 22.2%                                       | 85.8%                                     | 11.3%                  | 10.5%       | -3.7%                                 | 17.1%            |
| Nov 2017  | 71.3%                        | 16.0%  | -7.5%                          | 64.3%                                       | 57.0%                        | 39.4%                                      | 20.2%                               | -0.5%                                       | 17.5%                                     | 12.1%                  | 8.4%        | 4.9%                                  | 18.3%            |
| Dec 2017  | 28.9%                        | 30.0%  | -12.0%                         | 66.9%                                       | 4.8%                         | 62.4%                                      | 7.6%                                | 26.6%                                       | 13.4%                                     | 20.2%                  | 7.6%        | 3.1%                                  | 16.8%            |
| Jan 2018  | -10.9%                       | 45.4%  | -16.7%                         | 90.9%                                       | 72.7%                        | 36.4%                                      | 12.9%                               | 7.1%                                        | 30.5%                                     | 25.9%                  | 11.3%       | 3.8%                                  | 17.5%            |
| Feb 2018  | 7.7%                         | 75.8%  | -6.4%                          | 291.7%                                      | 42.3%                        | 17.4%                                      | -9.0%                               | 11.4%                                       | 90.9%                                     | 37.9%                  | 12.7%       | 2.0%                                  | 33.2%            |
| Mar 2018  | -39.8%                       | 53.8%  | -12.3%                         | 31.9%                                       | -8.6%                        | 24.9%                                      | 4.8%                                | 13.1%                                       | 4.5%                                      | 23.9%                  | 9.2%        | 2.7%                                  | 8.9%             |
| Apr 2018  | -2.9%                        | 67.4%  | -9.6%                          | 537.6%                                      | 21.1%                        | 15.7%                                      | -66.0%                              | 58.4%                                       | 39.6%                                     | 31.6%                  | 4.6%        | -2.3%                                 | 26.0%            |
| May 2018  | -42.9%                       | 57.1%  | -1.5%                          | 8.8%                                        | -22.2%                       | 28.9%                                      | -19.0%                              | 34.3%                                       | -4.4%                                     | 22.7%                  | 9.6%        | -0.7%                                 | 7.6%             |
| Jun 2018  | -25.4%                       | 42.7%  | 2.2%                           | 63.4%                                       | 70.3%                        | -5.8%                                      | 16.3%                               | 28.4%                                       | 12.1%                                     | 26.0%                  | 13.6%       | -1.6%                                 | 16.5%            |
| Jul 2018  | -54.3%                       | 38.4%  | 16.6%                          | 44.8%                                       | 15.5%                        | 0.0%                                       | 52.3%                               | 53.4%                                       | -6.4%                                     | 33.8%                  | 12.3%       | 5.6%                                  | 12.7%            |
| Aug 2018  | -45.6%                       | 48.9%  | 20.8%                          | 55.5%                                       | 49.5%                        | 21.6%                                      | 25.5%                               | 40.5%                                       | 22.6%                                     | 38.5%                  | 10.1%       | 5.5%                                  | 19.3%            |
| Sep 2018  | -23.7%                       | 25.3%  | 34.9%                          | 718.1%                                      | 26.2%                        | 26.5%                                      | 38.0%                               | 30.6%                                       | 15.0%                                     | 36.7%                  | 9.9%        | 8.9%                                  | 29.6%            |
| Oct 2018  | -49.5%                       | 13.0%  | 33.2%                          | 397.9%                                      | 37.9%                        | 30.4%                                      | 45.6%                               | 28.5%                                       | -17.3%                                    | 32.4%                  | 10.1%       | 13.8%                                 | 16.9%            |
| Nov 2018  | -36.4%                       | 27.7%  | 30.6%                          | 178.7%                                      | -3.6%                        | 20.4%                                      | 22.5%                               | 11.1%                                       | 22.6%                                     | 30.6%                  | 8.0%        | 7.4%                                  | 18.4%            |
| Dec 2018  | -19.9%                       | 3.9%   | 9.5%                           | 33.0%                                       | 30.0%                        | 11.3%                                      | 13.0%                               | 4.2%                                        | -25.3%                                    | 10.7%                  | 7.0%        | 6.5%                                  | 5.1%             |
| Jan 2019  | -17.1%                       | -5.6%  | 24.4%                          | 8.4%                                        | -23.8%                       | 21.5%                                      | -0.8%                               | 9.0%                                        | -20.5%                                    | 5.3%                   | 9.3%        | 6.0%                                  | 2.5%             |
| Feb 2019  | -21.9%                       | 15.3%  | 16.5%                          | -16.5%                                      | 32.2%                        | 34.3%                                      | 21.6%                               | 15.5%                                       | 18.3%                                     | 3.1%                   | 7.3%        | 10.7%                                 | -0.1%            |
| Mar 2019  | -21.3%                       | -10.1% | -0.3%                          | 66.0%                                       | 84.5%                        | 19.8%                                      | 80.7%                               | 27.1%                                       | 10.1%                                     | 7.8%                   | 6.3%        | 9.5%                                  | 8.3%             |
| Apr 2019  | 19.2%                        | -6.5%  | 38.1%                          | -9.3%                                       | 96.1%                        | 69.8%                                      | 281.3%                              | 14.2%                                       | 11.5%                                     | 18.0%                  | 13.5%       | 12.4%                                 | 17.7%            |
| May 2019  | 28.8%                        | -13.1% | 37.1%                          | 13.1%                                       | 63.9%                        | 43.4%                                      | 52.0%                               | 21.3%                                       | 24.8%                                     | 14.0%                  | 8.5%        | 9.1%                                  | 15.0%            |
| Jun 2019  | -13.4%                       | -11.2% | 32.9%                          | 47.4%                                       | 28.8%                        | 36.3%                                      | 24.9%                               | 38.2%                                       | 32.6%                                     | 20.1%                  | 4.7%        | 5.9%                                  | 13.7%            |
| Jul 2019  | 19.9%                        | 13.8%  | 21.8%                          | 34.7%                                       | 41.7%                        | 41.9%                                      | 4.7%                                | -1.3%                                       | 32.2%                                     | 5.4%                   | 6.1%        | 4.6%                                  | 9.6%             |
| Aug 2019  | 37.4%                        | -7.8%  | 12.6%                          | 62.3%                                       | 13.8%                        | 23.0%                                      | -11.1%                              | -0.3%                                       | 7.6%                                      | 5.0%                   | 6.1%        | 5.9%                                  | 9.0%             |
| Sep 2019  | 46.1%                        | -11.2% | 7.9%                           | -1.4%                                       | 5.5%                         | 31.5%                                      | -12.1%                              | 26.8%                                       | 19.3%                                     | 8.1%                   | 7.3%        | -2.4%                                 | 5.6%             |
| Oct 2019  | 100.3%                       | -2.4%  | 11.4%                          | 4.7%                                        | -8.1%                        | 18.8%                                      | -20.3%                              | 21.8%                                       | 29.7%                                     | 7.9%                   | 4.3%        | 0.6%                                  | 10.4%            |
| Nov 2019  | 184.2%                       | -9.8%  | 11.5%                          | 38.1%                                       | -24.0%                       | 13.5%                                      | -2.7%                               | 24.3%                                       | 13.2%                                     | 5.6%                   | 6.2%        | -0.9%                                 | 16.8%            |
| Dec 2019  | 86.2%                        | 15.2%  | 24.9%                          | 80.8%                                       | 5.0%                         | 27.0%                                      | -17.3%                              | 18.1%                                       | 37.5%                                     | 6.7%                   | 7.9%        | -4.8%                                 | 16.7%            |
| Jan 2020  | 101.5%                       | -9.7%  | 10.4%                          | 28.0%                                       | 3.9%                         | 10.6%                                      | 32.0%                               | 25.1%                                       | 42.7%                                     | 7.7%                   | 3.2%        | 1.8%                                  | 14.4%            |
| Feb 2020  | 98.6%                        | 17.5%  | 13.8%                          | 58.6%                                       | -16.3%                       | 33.4%                                      | 29.7%                               | 15.2%                                       | -34.3%                                    | 3.1%                   | 9.0%        | 0.8%                                  | 13.2%            |
| Mar 2020  | 18.7%                        | 21.7%  | -5.9%                          | -35.6%                                      | -59.8%                       | 10.7%                                      | -45.6%                              | -2.9%                                       | -21.5%                                    | -15.0%                 | 1.7%        | -0.8%                                 | -13.9%           |
| Apr 2020  | -59.4%                       | 37.4%  | -38.6%                         | -49.6%                                      | -58.7%                       | -40.3%                                     | -49.7%                              | -71.7%                                      | -88.2%                                    | -43.5%                 | -13.9%      | -3.9%                                 | -40.7%           |
| May 2020  | -72.7%                       | -11.9% | -28.1%                         | -57.9%                                      | -67.9%                       | -48.4%                                     | 25.6%                               | -12.6%                                      | 10.8%                                     | -14.6%                 | -5.6%       | -2.5%                                 | -26.2            |
| Jun 2020  | 34.5%                        | 22.2%  | 16.9%                          | -49.4%                                      | -20.8%                       | -9.4%                                      | -16.9%                              | -36.6%                                      | 8.6%                                      | -8.3%                  | 0.2%        | 4.4%                                  | -6.4%            |
| Jul 2020  | 18.3%                        | 9.8%   | -4.7%                          | -58.3%                                      | -56.5%                       | -16.6%                                     | 19.0%                               | 21.5%                                       | -11.8%                                    | 8.1%                   | 1.6%        | 5.1%                                  | -6.0%            |
| Aug 2020  | -48.9%                       | -22.9% | 2.8%                           | -8.1%                                       | 4.7%                         | 16.3%                                      | 23.4%                               | 423%                                        | 6.0%                                      | 3.4%                   | 2.4%        | 6.5%                                  | -4.3%            |
| Sept 2020 | -49.3%                       | 7.0%   | 13.0%                          | -30.0%                                      | 62.0%                        | 16.4%                                      | 66.1%                               | 50.2%                                       | 17.0%                                     | 21.5%                  | 2.6%        | 12.3%                                 | 6.1%             |

Table 3: Index of Industrial Production, formal activity, 2017=100, annual average

|                      |              | Manufacturing of: |                 |                |                |                    |                |                 |                |                |                | _              |                |
|----------------------|--------------|-------------------|-----------------|----------------|----------------|--------------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|
|                      | Mining &     |                   |                 | Textiles,      | Wood &         | Manufacturi        | Non-metallic   | Metal products, | Furniture &    | Manufacturing  |                | Water &        |                |
|                      | quarryin     |                   | Beverages       | clothing &     | paper;         | Chemicals, rubber  | mineral        | machinery &     | other          | Total          |                | waste          | Genera         |
|                      | a            | Food              | & tobacco       | leather goods  | printing       | & plastic products | products       | equipment       | manufacturing  | Total          | Electricity    | management     | lindex         |
| Jun 2017             | 84.6         | 100.4             | 108.5           | 80.7           | 108.6          | 87.2               | 91.3           | 94.2            | 90.0           | 98.7           | 95.2           | 99.2           | 96.2           |
| Jul 2017             | 86.4         | 98.9              | 106.6           | 86.9           | 93.8           | 90.6               | 91.9           | 95.7            | 93.3           | 98.0           | 96.2           | 99.5           | 96.2           |
| Aug 2017             | 89.6         | 96.0              | 104.1           | 92.0           | 94.6           | 92.2               | 95.1           | 95.9            | 92.9           | 97.0           | 97.0           | 99.5           | 96.2           |
| Sep 2017             | 90.6         | 94.9              | 102.6           | 92.0           | 92.0           | 91.9               | 97.9           | 96.7            | 92.6           | 96.5           | 97.9           | 99.7           | 96.1           |
| Oct 2017             | 94.9         | 96.0              | 101.7           | 92.3           | 95.4           | 93.5               | 97.8           | 98.2            | 97.6           | 97.4           | 98.7           | 99.4           | 97.3           |
| Nov 2017             | 98.3         | 97.4              | 101.2           | 94.8           | 99.6           | 96.4               | 99.4           | 98.1            | 98.7           | 98.3           | 99.4           | 99.7           | 98.6           |
| Dec 2017             | 100.0        | 100.0             | 100.0           | 100.0          | 100.0          | 100.0              | 100.0          | 100.0           | 100.0          | 100.0          | 100.0          | 100.0          | 100.0          |
| Jan 2018             | 99.1         | 103.6             | 98.4            | 107.3          | 105.7          | 102.7              | 101.0          | 100.6           | 102.4          | 102.1          | 100.9          | 100.3          | 101.4          |
| Feb 2018             | 99.6         | 108.6             | 97.9            | 121.5          | 108.3          | 103.8              | 100.3          | 101.4           | 107.4          | 104.8          | 101.8          | 100.5          | <i>103.7</i>   |
| Mar 2018             | 95.8         | 112.8             | 96.7            | 124.6          | 107.6          | 105.6              | 100.7          | 102.4           | 107.7          | 106.8          | 102.6          | 100.7          | 104.5          |
| Apr 2018             | 95.7         | 117.6             | 95.9            | 140.0          | 109.0          | 106.8              | 95.8           | 105.8           | 110.4          | 109.1          | 103.0          | 100.5          | <i>106.3</i>   |
| May 2018             | 90.7         | 122.0             | 95.7            | 141.7          | 106.0          | 109.3              | 94.3           | 108.6           | 110.0          | 111.0          | 103.8          | 100.4          | 107.0          |
| Jun 2018             | 89.0         | 125.1             | 95.9            | 147.0          | 110.6          | 108.8              | 95.7           | 112.0           | 110.9          | 113.3          | 104.9          | 100.3          | 108.4          |
| Jul 2018             | 83.6         | 128.1             | 97.4            | 151.9          | 111.9          | 108.8              | 99.8           | 116.4           | 110.2          | 116.1          | 105.9          | 100.8          | <i>109.5</i>   |
| Aug 2018             | 79.4         | 132.0             | 99.2            | 157.3          | 115.2          | 110.7              | 102.1          | 120.1           | 112.1          | 119.4          | 106.8          | 101.3          | <i>111.2</i>   |
| Sep 2018             | 77.7         | 134.2             | 101.6           | 177.9          | 117.3          | 112.6              | 105.8          | 122.7           | 113.2          | 122.3          | 107.7          | 102.0          | 113.5          |
| Oct 2018             | 72.7         | 135.5             | 103.8           | 195.1          | 120.7          | 115.0              | 109.6          | 125.0           | 111.3          | 125.0          | 108.5          | 103.1          | 114.9          |
| Nov 2018             | 69.7         | 138.2             | 105.7           | 206.6          | 120.3          | 117.0              | 111.7          | 125.9           | 113.0          | 127.7          | 109.2          | 103.8          | 116.5          |
| Dec 2018             | 68.2         | 138.7             | 106.6           | 210.9          | 122.8          | 118.1              | 112.9          | 126.3           | 110.2          | 128.7          | 109.8          | 104.3          | 117.0          |
| Jan 2019             | 67.0         | 138.0             | 108.5           | 212.2          | 119.5          | 120.2              | 112.8          | 127.0           | 108.2          | 129.3          | 110.7          | 104.8          | 117.2          |
| Feb 2019             | 65.6         | 136.2             | 109.8           | 209.0          | 122.4          | 122.8              | 114.2          | 128.3           | 110.1          | 129.6          | 111.3          | 105.6          | 117.2          |
| Mar 2019             | 64.3         | 135.0             | 109.8           | 217.5          | 128.6          | 124.6              | 120.4          | 130.7           | 110.9          | 130.4          | 111.8          | 106.4          | 118.0          |
| Apr 2019             | 65.4         | 134.2             | 112.7           | 215.8          | 135.9          | 130.6              | 127.4          | 132.0           | 112.0          | 132.1          | 113.0          | 107.4          | 119.5          |
| May 2019             | 67.4         | 132.7             | 115.9           | 218.5          | 142.6          | 135.5              | 130.9          | 134.3           | 114.1          | 133.6          | 113.8          | 108.2          | 121.1          |
| Jun 2019             | 66.7         | 131.5             | 118.9           | 225.1          | 145.9          | 138.9              | 133.5          | 140.2           | 117.0          | 135.8          | 114.2          | 108.7          | 122.4          |
| Jul 2019             | 67.6         | 130.0             | 121.2           | 230.5          | 149.7          | 142.8              | 134.0          | 140.0           | 120.3          | 136.4          | 114.8          | 109.1          | 123.3          |
| Aug 2019             | 69.4         | 129.1             | 122.5           | 239.9          | 151.1          | 145.3              | 132.7          | 140.0           | 121.0          | 137.0          | 115.4          | 109.7          | 124.2          |
| Sep 2019             | 72.0         | 127.9             | 123.2           | 239.6          | 151.6          | 148.1              | 131.1          | 142.9           | 122.6          | 137.9          | 116.1          | 109.4          | 124.8          |
| Oct 2019             | 77.1         | 127.6             | 124.3           | 240.6          | 150.6          | 150.1              | 128.6          | 145.2           | 125.3          | 138.7          | 116.5          | 109.5          | 125.8          |
| Nov 2019             | 86.8         | 126.4             | 125.2           | 247.5          | 147.9          | 151.7              | 128.3          | 147.4           | 126.5          | 139.4          | 117.0          | 109.4          | 127.5          |
| Dec 2019<br>Jan 2020 | 91.9<br>97.8 | 124.6<br>123.5    | 127.6<br>128.7  | 261.4<br>266.1 | 148.4<br>148.8 | 154.6<br>155.8     | 126.6<br>129.2 | 149.1<br>151.4  | 129.5<br>132.9 | 140.1<br>140.9 | 117.8<br>118.1 | 109.0<br>109.1 | 129.2<br>130.6 |
| Feb 2020             | 103.0        | 123.3             | 129.7           | 275.4          | 146.9          | 159.2              | 131.6          | 152.8           | 128.7          | 140.7          | 118.9          | 107.1          | 130.8<br>131.8 |
| Mar 2020             | 103.0        |                   |                 |                | 138.8          | 160.4              |                | 152.5           | 126.7          | 139.6          | 119.0          | 109.2          | 131.8<br>130.4 |
| Apr 2020             | 99.8         | 119.5<br>115.3    | 129.4<br>125.3  | 267.8<br>259.6 | 130.0          | 154.5              | 125.3<br>120.6 | 145.1           | 126.7          | 134.7          | 117.0          | 109.1          | 130.4<br>126.1 |
| May 2020             | 93.6         | 114.0             | 121.9           | 246.2          | 118.4          | 146.6              | 120.6          | 143.4           | 117.5          | 133.0          | 117.7          | 108.6          | 128.1<br>123.1 |
| Jun 2020             | 95.1         | 114.0             | 119.9           | 236.1          | 115.4          | 145.4              | 123.2          | 135.6           | 119.7          | 131.8          | 117.1          | 109.0          | 123.1<br>122.4 |
| July 2020            | 94.1         | 117.0             | 119.3           | 223.8          | 108.0          | 143.4              | 123.4          | 138.3           | 118.1          | 132.8          | 117.2          | 109.5          | 122.4<br>121.7 |
| Aug 2020             | 90.8         | 114.5             | 117.3           | 221.8          | 108.6          | 145.4              | 125.4          | 143.7           | 118.7          | 132.2          | 117.5          | 110.1          | 121.7<br>121.3 |
| Sept 2020            | 86.7         | 115.1             | 120.9           | 214.9          | 115.2          | 145.4              | 133.6          | 150.6           | 120.5          | 135.7          | 117.8          | 111.2          | 121.3<br>121.9 |
| •                    |              |                   | rial Production |                | 113.2          | 147.4              | 155.0          | 130.0           | 120.3          | 133.7          | 117.0          | 111.2          | 121.7          |

Table 4: Linking factors between old base and new base (linking year = 2017)

|         |           |      | Manufacturing of: |               |          |                    |              |                 |               |               |             |            |        |
|---------|-----------|------|-------------------|---------------|----------|--------------------|--------------|-----------------|---------------|---------------|-------------|------------|--------|
|         |           |      |                   | Textiles,     | & booW   |                    | Non-metallic | Metal products, | Furniture &   | Manufacturing |             | Water &    |        |
|         | Mining &  |      | Beverages         | clothing &    | paper;   | Chemicals, rubber  | mineral      | machinery &     | other         | Total         |             | waste      | Genera |
|         | quarrying | Food | & tobacco         | leather goods | printing | & plastic products | products     | equipment       | manufacturing |               | Electricity | management | lIndex |
| Linking | 1.29      | 1.28 | 1.00              | 2.25          | 1.18     | 1.62               | 1.95         | 1.69            | 1.23          | 1.29          | 1.32        | 1.14       | 1.29   |
| factors |           |      |                   |               |          |                    |              |                 |               |               |             |            |        |

### Note:

- -The series from 2017 are based on the new weights.
- -For the years before 2017, the growth rates of old series are preserved by dividing the old series by the above linking factors.

### Notes

In 2017, Rwanda has subscribed to IMF Enhanced General Data Dissemination System (E-GDDS). The E-GDDS is considered as a transition to the Special Data Dissemination Standard (SDDS) which is a more advanced stage. The aim was to subscribe to SDDS by June 2019. The system aims to encourage member countries to improve data quality; and guide member countries in the dissemination to the public of comprehensive, timely, accessible, and reliable economic, financial, and socio-demographic statistics.

In this regards, NISR as responsible institution for the compilation and publication of official statistics in Rwanda has mandate to develop the Index of Industrial Production (IIP) one of the missing requirement to fully compliance with SDDS. IIP series were developed since 2017 and the first publication was done in June 2019. In this publication a series from January 2011 have been compiled and availed to the public. Moreover, figures in this publication are the results of the 2017 rebasing exercise explained below in this note.

The Index of Industrial Production (IIP) is a statistical instrument used to monitor the monthly trends in output of industrial activities. By the SDDS, the index for any reference month has to be released within six weeks from the end of that month. They are developed based on a range of short term (monthly) indicators of economic activity.

The IIP in this statistical release relates to the activity of businesses in the formal sector in Rwanda, defined as those registered with the tax authorities. The IIP series is entirely consistent with the quarterly estimates of Gross Value Added published by NISR, which still provide the most comprehensive and detailed assessment of economic activity.

The scope of the IIP as recommended by the United Nations Statistical Office (UNSO) includes mining and quarrying, manufacturing, construction, electricity, gas and water production and supply. But due to constraints of data availability, the IIP compiled in Rwanda has excluded construction activities.

### 2017 Rebasing

The National Institute of Statistics of Rwanda finalised new series that are based on the 2017 weights replacing old series based on 2014 weights. The International best practice recommends doing it at least once in five years but in Rwanda it is compiled every three years due to the availability of information collected at a higher frequency. Note that the series from 2017 are based on the 2017 weights. For the years before 2017, the growth rates of old series are preserved by dividing the published indices by the linking factors found in the above table 4.

The IIP is produced based on monthly indicators of the volume of economic activity for eleven Rwanda Classification of Products by Activity (RCPA). These are weighted together based on the gross value added in the reference year for the series (currently, 2017), consistent with the estimates of published value added within the Gross Domestic Product series, see table 5.

The correspondence table between RCPA and ISIC (International Standard Industrial Classification) Revision 4 is shown in Table 6.

Table 5: 2017 Gross Value Added

|      |                                                        | Gross Value |              |
|------|--------------------------------------------------------|-------------|--------------|
|      |                                                        | Added (RWF, | Percentage   |
| RCPA | Activity                                               | billions)   | of total GVA |
| В    | Mining & quarrying                                     | 57.4        | 13.0%        |
| CA   | Manufacturing of food                                  | 105.8       | 23.9%        |
| CB   | Manufacturing of beverages & tobacco                   | 75.3        | 17.0%        |
| CC   | Manufacturing of textiles, clothing & leather goods    | 19.9        | 4.5%         |
| CD   | Manufacturing of wood & paper; printing                | 11.5        | 2.6%         |
| CE   | Manufacturing of chemicals, rubber & plastic products  | 25.0        | 5.7%         |
| CF   | Manufacturing of non-metallic mineral products         | 22.4        | 5.1%         |
| CG   | Manufacturing of metal products, machinery & equipment | 20.0        | 4.5%         |
| CH   | Furniture & other manufacturing                        | 15.0        | 3.4%         |
| D    | Electricity                                            | 83.6        | 18.9%        |
| E    | Water & waste management                               | 6.2         | 1.4%         |
|      | Total                                                  | 442.1       | 100.0%       |

Table 6: Matching table between Rwanda Products Classification by Activity (RCPA) and International Standard Industrial Classification Revision 4 (ISIC Rev 4)

| RCPA (Rwanda Classification of Products by Activity) |       |                                                        |      | ISIC Rev.4 (here R stands for Rwanda) |                                                                           |  |  |  |  |
|------------------------------------------------------|-------|--------------------------------------------------------|------|---------------------------------------|---------------------------------------------------------------------------|--|--|--|--|
| Code                                                 | Level | Description                                            | Code | Code1                                 | Description                                                               |  |  |  |  |
| В                                                    | 2     | Mining and quarrying                                   | R    | RB                                    | Mining and quarrying                                                      |  |  |  |  |
| CA                                                   | 4     | Manufacturing of food                                  | RC   | RC10                                  | Manufacture of food products                                              |  |  |  |  |
| СВ                                                   |       | Manufacturing of beverages & tobacco                   | RC   | RC11                                  | Manufacture of beverages                                                  |  |  |  |  |
| Ь                                                    | 4     | Manufacturing of beverages & tobacco                   | RC   | RC12                                  | Manufacture of tobacco products                                           |  |  |  |  |
|                                                      |       | Manufacturing of toytilog clothing C                   | RC   | RC13                                  | Manufacture of textiles                                                   |  |  |  |  |
| CC                                                   | 4     | Manufacturing of textiles, clothing & leather goods    | RC   | RC14                                  | Manufacture of wearing apparel                                            |  |  |  |  |
|                                                      |       | teather goods                                          | RC   | RC15                                  | Manufacture of leather and related products                               |  |  |  |  |
| CD                                                   | 4     | Manufacturing of wood & paper; printing                | RC   | RC16                                  | Manufacture of wood and of products of wood and cork, except furniture;   |  |  |  |  |
| טט                                                   | 4     | Manufacturing of wood & paper, printing                | KC . | KCIO                                  | Manufacture of articles of straw and plaiting materials                   |  |  |  |  |
| CD                                                   | 4     | Manufacturing of wood & paper; printing                | RC   | RC17                                  | Manufacture of paper and paper products                                   |  |  |  |  |
| CD                                                   | 4     | Manufacturing of wood & paper, printing                | RC   | RC18                                  | Printing and reproduction of recorded media                               |  |  |  |  |
|                                                      |       |                                                        | RC   | RC19                                  | Manufacture of coke and refined petroleum products                        |  |  |  |  |
| CE                                                   | 4     | Manufacturing of chemicals, rubber & plastic products  | RC   | RC20                                  | Manufacture of chemicals and chemical products                            |  |  |  |  |
| CE                                                   | 4     |                                                        | RC   | RC21                                  | Manufacture of pharmaceuticals, medicinal chemical and botanical products |  |  |  |  |
|                                                      |       |                                                        | RC   | RC22                                  | Manufacture of rubber and plastics products                               |  |  |  |  |
| CF                                                   | 4     | Manufacturing of non-metallic mineral products         | RC   | RC23                                  | Manufacture of other non-metallic mineral products                        |  |  |  |  |
|                                                      |       |                                                        | RC   | RC24                                  | Manufacture of basic metals                                               |  |  |  |  |
|                                                      |       |                                                        | RC   | RC25                                  | Manufacture of fabricated metal products, except machinery and equipment  |  |  |  |  |
|                                                      |       | Manufacturing of metal products, machinery & equipment | RC   | RC26                                  | Manufacture of computer, electronic and optical products                  |  |  |  |  |
| CG                                                   | 4     |                                                        | RC   | RC27                                  | Manufacture of electrical equipment                                       |  |  |  |  |
|                                                      |       | machinery & equipment                                  | RC   | RC28                                  | Manufacture of machinery and equipment n.e.c.                             |  |  |  |  |
|                                                      |       |                                                        | RC   | RC29                                  | Manufacture of motor vehicles, trailers and semi-trailers                 |  |  |  |  |
|                                                      |       |                                                        | RC   | RC30                                  | Manufacture of other transport equipment                                  |  |  |  |  |
|                                                      |       |                                                        | RC   | RC31                                  | Manufacture of furniture                                                  |  |  |  |  |
| CH                                                   | 4     | Furniture & other manufacturing                        | RC   | RC32                                  | Other manufacturing                                                       |  |  |  |  |
|                                                      |       |                                                        | RC   | RC33                                  | Repair and installation of machinery and equipment                        |  |  |  |  |
| D                                                    | 2     | Electricity                                            | RD   | RD35                                  | Electricity, gas, steam and air conditioning supply                       |  |  |  |  |
| Е                                                    | 2     | Water & waste management                               | RE   | RE36                                  | Water collection, treatment and supply                                    |  |  |  |  |

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