



REPUBLIC OF RWANDA



PRODUCER PRICE INDEX (PPI)

**Producer Price
Index
(PPI)
February 2021**

1. Summary

This is the monthly publication of the Producer Price Index (PPI) for the month of February 2021.

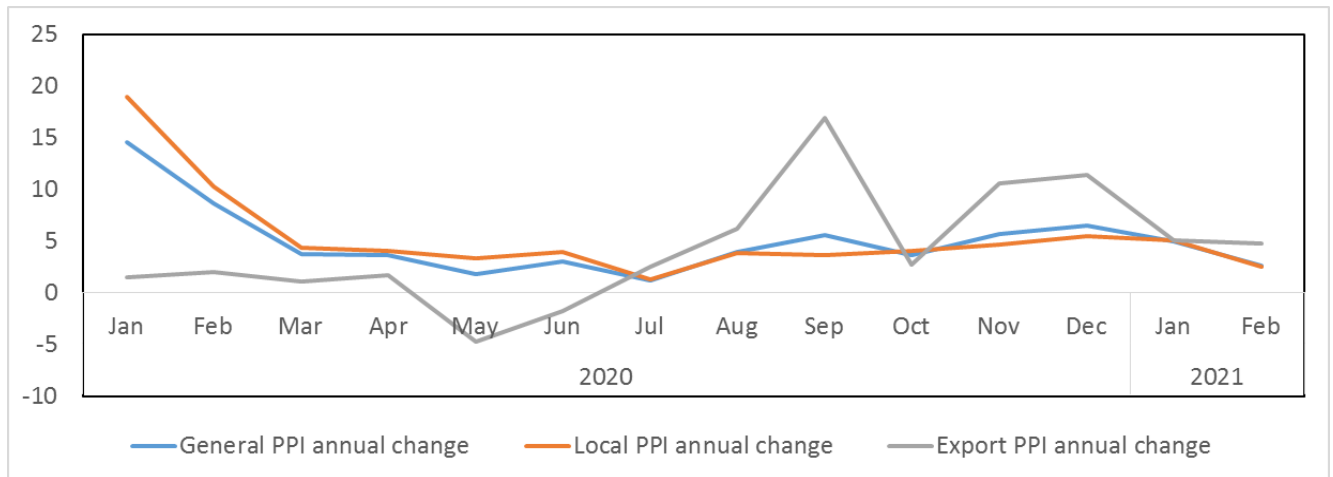
- General Producer Price Index increased by 2.6 percent on annual basis
- Local Producer Price Index increased by 2.5 percent on annual basis
- Export Producer Price Index increased by 4.8 percent on annual basis
- General Producer Price Index increased by 0.4 percent on monthly basis
- Local Producer Price Index increased by 0.4 percent on monthly basis
- Export Producer Price Index increased by 0.4 percent on monthly basis

Table 1. PPI monthly and annual changes for All Rwanda, local products and exports (in percentages)

| | Percentage change on the same period 12 months and or one month earlier: | | | | | | | | | | | | |
|----------------------------|--|------|------|------|------|-----|-----|------|------|------|------|------|-----|
| | 2020 | | | | | | | | | | | 2021 | |
| | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb |
| General PPI annual change | 8.7 | 3.8 | 3.6 | 1.8 | 3.1 | 1.3 | 3.9 | 5.6 | 3.7 | 5.7 | 6.5 | 5.0 | 2.6 |
| Local PP annual change | 10.3 | 4.4 | 4.1 | 3.4 | 4.0 | 1.4 | 3.9 | 3.6 | 4.1 | 4.7 | 5.5 | 5.1 | 2.5 |
| Export PPI annual change | 2.1 | 1.1 | 1.7 | -4.6 | -1.8 | 2.5 | 6.2 | 16.9 | 2.7 | 10.6 | 11.5 | 5.0 | 4.8 |
| General PPI monthly change | 2.6 | -0.4 | -0.1 | -1.1 | 0.3 | 1.0 | 0.7 | -0.9 | 0.2 | 1.7 | 0.5 | 0.5 | 0.4 |
| Local PPI monthly change | 2.9 | -0.5 | -0.3 | 0.0 | 0.6 | 0.6 | 0.1 | -1.0 | 0.3 | 0.6 | 1.1 | 0.7 | 0.4 |
| Export PPI monthly change | 0.7 | 0.0 | 1.1 | -5.6 | -1.8 | 4.6 | 3.3 | -0.5 | -0.1 | 6.2 | -1.8 | -0.5 | 0.4 |

Source: NISR

Figure 1: Annual PPI for All Rwanda, local products and exports



Source: NISR.

1. Introduction

The Producer Price Index (PPI) measures the average change over time in prices received by domestic producers for the production of their goods and services. The Producer Price Index for Rwanda is published on monthly basis.

It presents price changes for all combined products, products for local sales and that for exports. It covers a sample of 114 establishments and 402 products spread countrywide, both in Kigali City and in rural areas.

The Producer Price Index survey is conducted jointly with the National Bank of Rwanda. It now covers mining, manufacturing and energy.

2. General Producer Price Index

Table below presents the percentage changes on monthly and annual basis.

| Level | Index ID | ISIC rev. 4 Description | Weights | Percentage change in Feb. 2021 | |
|----------|----------|---|-------------|--------------------------------|-------------|
| | | | | on Jan.2021 | on Feb.2020 |
| 1 | R | Rwanda | 1000 | 0.4 | 2.6 |
| 2 | RB | Mining and quarrying | 96 | 0.1 | 8.4 |
| 2 | RC | Manufacturing | 714 | 0.6 | 4.1 |
| 2 | RD | Electricity, gas, steam and air conditioning supply | 58 | 0.0 | 0.0 |
| 2 | RE | Water supply; sewerage, waste management and remediation activities | 129 | 0.0 | 0.0 |
| 2 | RJ | Information and communication | 3 | 0.0 | 0.0 |

Source:NISR

In February 2021, General PPI increased by 2.6 percent when compared to the same month of 2020. This is due to an increase of 4.1 percent in prices of manufacturing activities, 8.4 percent in prices of mining & quarrying.

The monthly general PPI increased by 0.4 percent. This is due to an increase 0.6 percent in prices of manufacturing and an increase of 0.1 percent in prices of mining & quarrying.

3. Local Producer Price Index

The table below presents the percentage changes on monthly and annual basis.

| Level | Index ID | ISIC rev. 4 Description | Weights | Percentage change in Feb. 2021 | |
|----------|----------|---|-------------|--------------------------------|-------------|
| | | | | on Jan.2021 | on Feb.2020 |
| 1 | R | Rwanda | 1000 | 0.4 | 2.5 |
| 2 | RC | Manufacturing | 749 | 0.7 | 4.9 |
| 2 | RD | Electricity, gas, steam and air conditioning supply | 76 | 0.0 | 0.0 |
| 2 | RE | Water supply; sewerage, waste management and remediation activities | 171 | 0.0 | 0.0 |
| 2 | RJ | Information and communication | 4 | 0.0 | 0.0 |

Source:NISR

Local PPI increased by 2.5 percent in February 2021 compared to the same month of 2020. This is due to an increase of 4.9 percent in prices of manufacturing.

The monthly local PPI increased by 0.4 percent. This is due to an increase of 0.7 percent in prices of manufacturing.

4. Export Producer Price Index

The table below presents the percentage changes on monthly and annual basis.

| Table 4: Producer Price Index, Exports Index summary | | | Percentage change in Feb. 2021 | | |
|--|----------|---|--------------------------------|-------------|-------------|
| Level | Index ID | ISIC rev. 4 Description | Weights | on Jan.2021 | on Feb.2020 |
| 1 | R | Exports | 1000 | 0.4 | 4.8 |
| 4 | RB0729 | Mining of other non-ferrous metal ores | 393 | 0.1 | 8.4 |
| 6 | RC107980 | Manufacture of coffee products | 268 | 0.3 | 30.5 |
| 6 | RC107990 | Manufacture of tea products | 328 | 0.6 | -2.6 |
| 4 | RC2029 | Manufacture of other chemical products n.e.c. | 10 | -0.2 | -1.5 |

Source: NISR

Export PPI increased by 4.8 percent in February 2021 compared to the same month of 2020. This is due to an increase of 30.5 percent in prices of coffee products and an increase of 8.4 percent in prices of other non-ferrous metals. The prices of tea products decreased by 2.6 percent.

The monthly export PPI increased by 0.4 percent. This is mainly due to an increase of 0.6 percent in prices of tea products and an increase of 0.3 percent in prices of coffee products.

Technical note on PPI

The Producer Price Index (PPI) measures the average change over time in the prices received by domestic producers of goods and services which are output of production or enter in the production process.

NISR publishes PPI data for Mining, Manufacturing and Energy, and it will continue to be published monthly, about 4 weeks following the month under review.

The establishments are classified according to ISIC rev. 4; and the classification is determined by their main output.

The weights used in the PPI for Rwanda refer to the value of output (turnover without taxes) of establishments as reported in the 2011 Manpower survey collecting data for the year 2010, which constitutes the reference base period for the PPI calculation (December 2010). NISR plan to rebase the PPI using the weights as reported in establishment census 2017.

The point of pricing is the establishment. The price is the selling price received by the producer for the selected product as it leaves the factory gate. In general, prices are collected each month from the selected establishment by considering the mid-point of each month of the month under review.

The formula used in the PPI calculation is the geometric modified Laspeyres

| Annex 1: Producer Price Index, General | | Index (Dec 2010=100) | | | Percentage change in Feb.2021 | | Contributions 1: | | |
|---|--|----------------------|--------------|--------------|-------------------------------|-------------|------------------|------------|------------|
| Level | Categories | Weights | Feb-20 | Jan-21 | Feb-21 | on Jan.2021 | on Feb.2020 | 1 month | 12 months |
| General Index | | | | | | | | | |
| 1 | Rwanda | 1000 | 143.5 | 146.7 | 147.3 | 0.4 | 2.6 | 0.4 | 2.6 |
| 2 | Mining and quarrying | 96 | 109.5 | 118.5 | 118.6 | 0.1 | 8.4 | 0.0 | 0.6 |
| 4 | Mining of metal ores | 96 | 109.5 | 118.5 | 118.6 | 0.1 | 8.4 | 0.0 | 0.6 |
| 2 | Manufacturing | 714 | 131.0 | 135.5 | 136.4 | 0.6 | 4.1 | 0.4 | 2.1 |
| 4 | Manufacture of food products | 376 | 133.4 | 142.0 | 143.4 | 1.0 | 7.5 | 0.4 | 2.1 |
| 4 | Manufacture of beverages | 174 | 127.7 | 127.7 | 127.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Manufacture of textiles | 5 | 92.8 | 92.8 | 92.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Manufacture of paper and paper products | 2 | 103.2 | 136.1 | 136.1 | 0.0 | 31.9 | 0.0 | 0.0 |
| 4 | Printing and reproduction of recorded media | 19 | 106.2 | 101.0 | 101.0 | 0.0 | -4.8 | 0.0 | -0.1 |
| 4 | Manufacture of chemicals and chemical products | 29 | 132.5 | 135.3 | 135.3 | 0.0 | 2.1 | 0.0 | 0.0 |
| 4 | Manufacture of rubber and plastics products | 11 | 218.3 | 174.1 | 174.1 | 0.0 | -20.2 | 0.0 | -0.2 |
| 4 | Manufacture of other non-metallic mineral products | 31 | 110.2 | 112.3 | 112.3 | 0.0 | 1.9 | 0.0 | 0.0 |
| 4 | Manufacture of fabricated metal products, except machinery and equipment | 29 | 143.7 | 144.9 | 144.9 | 0.0 | 0.8 | 0.0 | 0.0 |
| 4 | Manufacture of furniture | 9 | 114.4 | 115.8 | 115.8 | 0.0 | 1.2 | 0.0 | 0.0 |
| 2 | Electricity, gas, steam and air conditioning supply | 58 | 179.5 | 179.5 | 179.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Electricity, gas, steam and air conditioning supply | 58 | 179.5 | 179.5 | 179.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | Water supply; sewerage, waste management and remediation activities | 129 | 190.6 | 190.6 | 190.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Water collection, treatment and supply | 129 | 190.6 | 190.6 | 190.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | Information and communication | 3 | 197.8 | 197.8 | 197.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Publishing activities | 3 | 197.8 | 197.8 | 197.8 | 0.0 | 0.0 | 0.0 | 0.0 |

Source: NISR

(1) "Contributions" take into account both the growth rate and the relative weight of each category to explain the percentage change observed

| Annex 1: Producer Price Index, Local | | Index (Dec 2010=100) | | | Percentage change in Feb.2021 | | Contributions 1: | | |
|---|--|----------------------|--------------|--------------|-------------------------------|-------------|------------------|------------|------------|
| Level | Categories | Weights | Feb-20 | Jan-21 | Feb-21 | on Jan.2021 | on Feb.2020 | 1 month | 12 months |
| Local Index | | | | | | | | | |
| 1 | Rwanda | 1000 | 147.4 | 150.6 | 151.1 | 0.4 | 2.5 | 0.4 | 2.5 |
| 2 | Manufacturing | 749 | 127.8 | 133.1 | 134.0 | 0.7 | 4.9 | 0.4 | 2.5 |
| 4 | Manufacture of food products | 305 | 131.9 | 143.7 | 145.6 | 1.3 | 10.4 | 0.4 | 2.8 |
| 4 | Manufacture of beverages | 231 | 127.7 | 127.7 | 127.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Manufacture of textiles | 6 | 92.8 | 92.8 | 92.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Manufacture of paper and paper products | 2 | 103.2 | 136.1 | 136.1 | 0.0 | 31.9 | 0.0 | 0.1 |
| 4 | Printing and reproduction of recorded media | 25 | 106.2 | 101.0 | 101.0 | 0.0 | -4.8 | 0.0 | -0.1 |
| 4 | Manufacture of chemicals and chemical products | 35 | 132.1 | 135.4 | 135.4 | 0.0 | 2.5 | 0.0 | 0.1 |
| 4 | Manufacture of rubber and plastics products | 15 | 131.3 | 93.7 | 93.7 | 0.0 | -28.6 | 0.0 | -0.4 |
| 4 | Manufacture of other non-metallic mineral products | 42 | 110.2 | 112.3 | 112.3 | 0.0 | 1.9 | 0.0 | 0.1 |
| 4 | Manufacture of fabricated metal products, except machinery and equipment | 39 | 143.7 | 144.9 | 144.9 | 0.0 | 0.8 | 0.0 | 0.0 |
| 4 | Manufacture of electrical equipment | 2 | 156.1 | 156.1 | 156.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Manufacture of furniture | 11 | 114.4 | 115.8 | 115.8 | 0.0 | 1.2 | 0.0 | 0.0 |
| 2 | Electricity, gas, steam and air conditioning supply | 76 | 179.5 | 179.5 | 179.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Electricity, gas, steam and air conditioning supply | 76 | 179.5 | 179.5 | 179.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | Water supply; sewerage, waste management and remediation activities | 171 | 190.6 | 190.6 | 190.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Water collection, treatment and supply | 171 | 190.6 | 190.6 | 190.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | Information and communication | 4 | 197.8 | 197.8 | 197.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | Publishing activities | 4 | 197.8 | 197.8 | 197.8 | 0.0 | 0.0 | 0.0 | 0.0 |

Source: NISR

(1) "Contributions" take into account both the growth rate and the relative weight of each category to explain the percentage change observed

| Annex 1: Producer Price Index, General | | Index (Dec 2010=100) | | | Percentage change in Feb.2021 | | Contributions 1: | | |
|---|---|----------------------|--------------|--------------|-------------------------------|-------------|------------------|------------|------------|
| Level | Categories | Weights | Feb-2021 | Jan-21 | Feb-21 | on Jan.2021 | on Feb.2020 | 1 month | 12 months |
| Export Index | | | | | | | | | |
| 1 | Exports | 1000 | 126.9 | 132.4 | 132.9 | 0.4 | 4.8 | 0.4 | 4.8 |
| 6 | Mining of other non-ferrous metal ores | 393 | 109.5 | 118.5 | 118.6 | 0.1 | 8.4 | 0.0 | 1.5 |
| 8 | Manufacture of coffee products | 268 | 93.0 | 121.0 | 121.3 | 0.3 | 30.5 | 0.1 | 3.7 |
| 8 | Manufacture of tea products | 328 | 157.0 | 152.0 | 152.9 | 0.6 | -2.6 | 0.3 | -0.4 |
| 6 | Manufacture of other chemical products n.e.c. | 10 | 136.9 | 135.1 | 134.8 | -0.2 | -1.5 | 0.0 | 0.0 |

Source: NISR

(1) "Contributions" take into account both the growth rate and the relative weight of each category to explain the percentage change observed

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