



**REPUBLIC OF RWANDA**



# **PRODUCER PRICE INDEX (PPI)**

**Producer Price  
Index  
(PPI)  
September 2022**

## 1. Summary

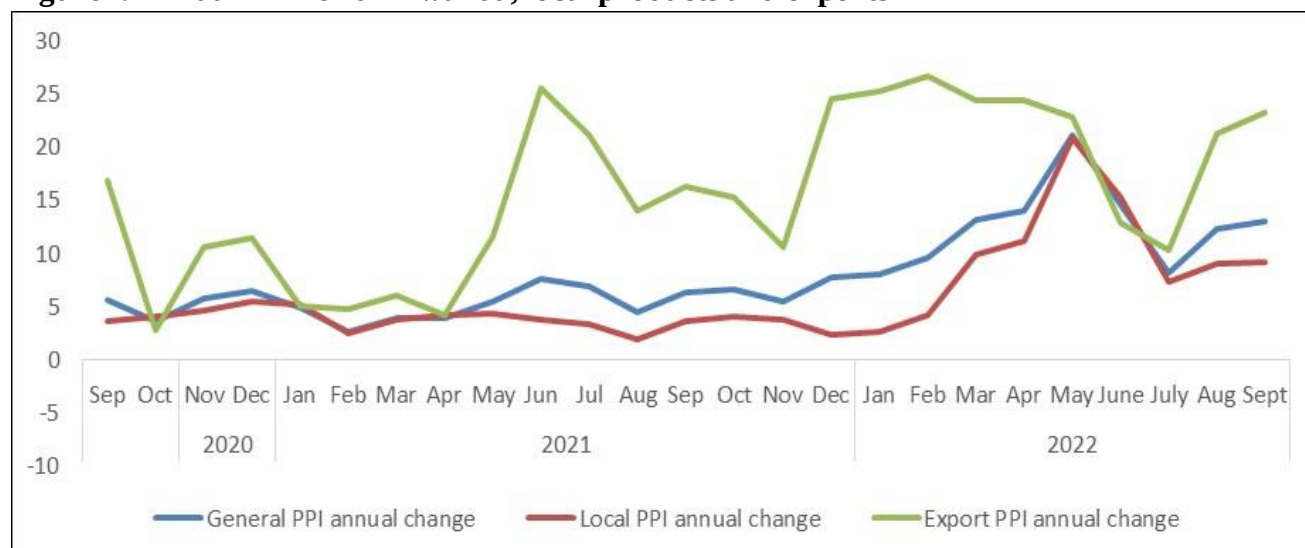
This is the monthly publication of the Producer Price Index (PPI) for the month of September 2022.

- General Producer Price Index increased by 13.1 percent on annual basis
- Local Producer Price Index increased by 9.2 percent on annual basis
- Export Producer Price Index increased by 23.3 percent on annual basis
- General Producer Price Index increased by 1.6 percent on monthly basis
- Local Producer Price Index increased by 0.8 percent on monthly basis
- Export Producer Price Index increased by 3.3 percent on monthly basis

| <b>Table 1: Producer Price Index, General, Local and Exports</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                                                  | 2021 |      |      |      | 2022 |      |      |      |      |      |      |      |      |
|                                                                  | Oct  | Nov  | Dec  |      | Jan  | Feb  | Mar  | Apr  | May  | Jun  | July | Aug  | Sep  |
| <b>Annual change</b>                                             |      |      |      |      |      |      |      |      |      |      |      |      |      |
| General PPI                                                      | 6.4  | 6.5  | 5.4  | 7.8  | 8.0  | 9.5  | 13.1 | 14.1 | 21.2 | 14.6 | 8.1  | 12.3 | 13.1 |
| Local PPI                                                        | 3.6  | 4.1  | 3.7  | 2.4  | 2.7  | 4.3  | 9.9  | 11.2 | 20.9 | 15.3 | 7.3  | 9.0  | 9.2  |
| Export PPI                                                       | 16.3 | 15.3 | 10.6 | 24.6 | 25.3 | 26.7 | 24.5 | 24.5 | 22.9 | 12.8 | 10.3 | 21.2 | 23.3 |
| <b>Monthly change</b>                                            |      |      |      |      |      |      |      |      |      |      |      |      |      |
| General PPI                                                      | 0.9  | 0.3  | 0.6  | 2.7  | 0.7  | 1.8  | 4.1  | 0.8  | 6.5  | -3.2 | -5.3 | 2.2  | 1.6  |
| Local PPI                                                        | 0.6  | 0.8  | 0.2  | -0.2 | 1.0  | 1.9  | 6.1  | 1.3  | 8.8  | -4.6 | -6.7 | 0.4  | 0.8  |
| Export PPI                                                       | 1.6  | -1.0 | 1.9  | 10.6 | 0.0  | 1.5  | -0.6 | -0.6 | -0.2 | 1.5  | -1.5 | 6.9  | 3.3  |

Source: NISR

**Figure1: 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.

| Table 2: Producer Price Index, Rwanda summary |          |                                                                     | Percentage change in Sept. 2022 |              |               |
|-----------------------------------------------|----------|---------------------------------------------------------------------|---------------------------------|--------------|---------------|
| Level                                         | Index ID | ISIC rev. 4 Description                                             | Weights                         | on Aug. 2022 | on Sept. 2021 |
| 1                                             | R        | <b>General Index</b>                                                | <b>1000</b>                     | <b>1.6</b>   | <b>13.1</b>   |
| 2                                             | RB       | Mining and quarrying                                                | 96                              | 0.1          | 10.9          |
| 2                                             | RC       | Manufacturing                                                       | 714                             | 2.3          | 19.7          |
| 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 September 2022, General PPI increased by 13.1 percent when compared to the same month of 2021. This is due to an increase of 19.7 percent in prices of manufacturing activities and an increase of 10.9 percent in prices of ‘mining and quarrying’.

Monthly general PPI increased by 1.6 percent. This is mainly due to an increase of 2.3 percent in prices of manufacturing activities.

## 3. Local Producer Price Index

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

| Table 3: Producer Price Index, Local Index summary |          |                                                                     | Percentage change in Sept. 2022 |              |               |
|----------------------------------------------------|----------|---------------------------------------------------------------------|---------------------------------|--------------|---------------|
| Level                                              | Index ID | ISIC rev. 4 Description                                             | Weights                         | on Aug. 2022 | on Sept. 2021 |
| 1                                                  | R        | <b>General Index</b>                                                | <b>1000</b>                     | <b>0.8</b>   | <b>9.2</b>    |
| 2                                                  | RC       | Manufacturing                                                       | 749                             | 1.3          | 16.1          |
| 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 9.2 percent in September 2022 compared to the same month of 2021. This is due to an increase of 16.1 percent in prices of manufacturing activities.

Monthly local PPI increased by 0.8 percent. This is due to an increase of 1.3 percent in prices of manufacturing activities.

#### 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 Sept. 2022 |              |               |
|------------------------------------------------------|----------|-----------------------------------------------|---------------------------------|--------------|---------------|
| Level                                                | Index ID | ISIC rev. 4 Description                       | Weights                         | on Aug. 2022 | on Sept. 2021 |
| 1                                                    | <b>R</b> | <b>General Index</b>                          | <b>1000</b>                     | <b>3.3</b>   | <b>23.3</b>   |
| 4                                                    | RB0729   | Mining of other non-ferrous metal ores        | 393                             | 0.1          | 10.9          |
| 6                                                    | RC107980 | Manufacture of coffee products                | 268                             | 0.3          | 53.8          |
| 6                                                    | RC107990 | Manufacture of tea products                   | 328                             | 8.7          | 12.3          |
| 4                                                    | RC2029   | Manufacture of other chemical products n.e.c. | 10                              | 7.2          | 4.3           |
| Source:NISR                                          |          |                                               |                                 |              |               |

Export PPI increased by 23.3 percent in September 2022 compared to the same month of 2021. This is mainly due to an increase of 53.8 percent in prices of coffee products, an increase of 12.3 percent in prices of tea products and increase of 10.9 percent in prices of ‘mining and quarrying’.

Monthly export PPI increased by 3.3 percent. This is mainly due to an increase of 8.7 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 is 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).

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, Rwanda |                                                                          | Index (Dec 2010=100) |         |        | Percentage change in Sept.2022 |             | Contributions <sup>1</sup> : |           |
|---------------------------------------|--------------------------------------------------------------------------|----------------------|---------|--------|--------------------------------|-------------|------------------------------|-----------|
| Level                                 | Categories                                                               | Weights              | Sept-21 | Aug-22 | Sept-22                        | on Aug-2022 | on Sept-2021                 | 12 months |
| 1                                     | General Index                                                            | 1000                 | 151.8   | 168.9  | 171.6                          | 1.6         | 13.1                         | 13.1      |
| 2                                     | Mining and quarrying                                                     | 96                   | 134.3   | 148.7  | 149.0                          | 0.1         | 10.9                         | 0.9       |
| 4                                     | Mining of metal ores                                                     | 96                   | 134.3   | 148.7  | 149.0                          | 0.1         | 10.9                         | 0.9       |
| 2                                     | Manufacturing                                                            | 714                  | 141.8   | 165.9  | 169.7                          | 2.3         | 19.7                         | 12.2      |
| 4                                     | Manufacture of food products                                             | 376                  | 149.6   | 178.4  | 184.2                          | 3.3         | 23.2                         | 8.6       |
| 4                                     | Manufacture of beverages                                                 | 174                  | 128.3   | 147.4  | 147.4                          | 0.0         | 14.9                         | 2.6       |
| 4                                     | Manufacture of textiles                                                  | 5                    | 92.8    | 95.7   | 95.7                           | 0.0         | 3.1                          | 0.0       |
| 4                                     | Printing and reproduction of recorded media                              | 19                   | 106.2   | 106.2  | 106.2                          | 0.0         | 0.0                          | 0.0       |
| 4                                     | Manufacture of chemicals and chemical products                           | 29                   | 155.0   | 192.1  | 192.5                          | 0.2         | 24.2                         | 0.7       |
| 4                                     | Manufacture of rubber and plastics products                              | 11                   | 205.0   | 216.7  | 216.7                          | 0.0         | 5.7                          | 0.1       |
| 4                                     | Manufacture of other non-metallic mineral products                       | 31                   | 114.9   | 124.4  | 124.4                          | 0.0         | 8.3                          | 0.3       |
| 4                                     | Manufacture of fabricated metal products, except machinery and equipment | 29                   | 144.9   | 144.9  | 144.9                          | 0.0         | 0.0                          | 0.0       |
| 4                                     | Manufacture of furniture                                                 | 9                    | 122.5   | 136.1  | 136.1                          | 0.0         | 11.1                         | 0.1       |
| 2                                     | Electricity, gas, steam and air conditioning supply                      | 58                   | 179.5   | 179.5  | 179.5                          | 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       |
| 2                                     | Water supply; sewerage, waste management and remediation activities      | 129                  | 190.6   | 190.6  | 190.6                          | 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       |
| 2                                     | Information and communication                                            | 3                    | 197.8   | 197.8  | 197.8                          | 0.0         | 0.0                          | 0.0       |
| 4                                     | Publishing activities                                                    | 3                    | 197.8   | 197.8  | 197.8                          | 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 2: Producer Price Index, Local                                                                                                          |                                                                          | Index (Dec 2010=100) |         |        |         |             | Percentage change in Sept. 2022 |           | Contributions <sup>1</sup> : |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------|---------|--------|---------|-------------|---------------------------------|-----------|------------------------------|
| Level                                                                                                                                         | Categories                                                               | Weights              | Sept-21 | Aug-22 | Sept-22 | on Aug-2022 | on Sept-2021                    | 12 months |                              |
| 1                                                                                                                                             | General Index                                                            | 1000                 | 151.9   | 164.5  | 165.9   | 0.8         | 9.2                             | 9.2       |                              |
| 2                                                                                                                                             | Manufacturing                                                            | 749                  | 135.3   | 155.1  | 157.1   | 1.3         | 16.1                            | 9.2       |                              |
| 4                                                                                                                                             | Manufacture of food products                                             | 305                  | 144.5   | 167.8  | 171.8   | 2.4         | 18.9                            | 6.5       |                              |
| 4                                                                                                                                             | Manufacture of beverages                                                 | 231                  | 128.3   | 147.4  | 147.4   | 0.0         | 14.9                            | 3.9       |                              |
| 4                                                                                                                                             | Manufacture of textiles                                                  | 6                    | 92.8    | 95.7   | 95.7    | 0.0         | 3.1                             | 0.0       |                              |
| 4                                                                                                                                             | Printing and reproduction of recorded media                              | 25                   | 106.2   | 106.2  | 106.2   | 0.0         | 0.0                             | 0.0       |                              |
| 4                                                                                                                                             | Manufacture of chemicals and chemical products                           | 35                   | 156.6   | 196.2  | 196.2   | 0.0         | 25.3                            | 1.0       |                              |
| 4                                                                                                                                             | Manufacture of rubber and plastics products                              | 15                   | 116.1   | 117.8  | 117.8   | 0.0         | 1.5                             | 0.0       |                              |
| 4                                                                                                                                             | Manufacture of other non-metallic mineral products                       | 42                   | 114.9   | 124.4  | 124.4   | 0.0         | 8.3                             | 0.4       |                              |
| 4                                                                                                                                             | Manufacture of fabricated metal products, except machinery and equipment | 39                   | 144.9   | 144.9  | 144.9   | 0.0         | 0.0                             | 0.0       |                              |
| 4                                                                                                                                             | Manufacture of furniture                                                 | 11                   | 122.5   | 136.1  | 136.1   | 0.0         | 11.1                            | 0.1       |                              |
| 2                                                                                                                                             | Electricity, gas, steam and air conditioning supply                      | 76                   | 179.5   | 179.5  | 179.5   | 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       |                              |
| 2                                                                                                                                             | Water supply; sewerage, waste management and remediation activities      | 171                  | 190.6   | 190.6  | 190.6   | 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       |                              |
| 2                                                                                                                                             | Information and communication                                            | 4                    | 197.8   | 197.8  | 197.8   | 0.0         | 0.0                             | 0.0       |                              |
| 4                                                                                                                                             | Publishing activities                                                    | 4                    | 197.8   | 197.8  | 197.8   | 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 3: Producer Price Index, General |                                               | Index (Dec 2010=100) |         |        | Percentage change in Sept.2022 |             | Contributions <sup>1</sup> : |           |
|----------------------------------------|-----------------------------------------------|----------------------|---------|--------|--------------------------------|-------------|------------------------------|-----------|
| Level                                  | Categories                                    | Weights              | Sept-21 | Aug-22 | Sept-22                        | on Aug-2022 | on Sept-2021                 | 12 months |
| 1                                      | General Index                                 | 1000                 | 148.7   | 177.4  | 183.2                          | 3.3         | 23.3                         | 23.3      |
| 6                                      | Mining of other non-ferrous metal ores        | 393                  | 134.3   | 148.7  | 149.0                          | 0.1         | 10.9                         | 4.4       |
| 8                                      | Manufacture of coffee products                | 268                  | 134.8   | 206.7  | 207.3                          | 0.3         | 53.8                         | 14.7      |
| 8                                      | Manufacture of tea products                   | 328                  | 170.7   | 176.4  | 191.7                          | 8.7         | 12.3                         | 4.1       |
| 6                                      | Manufacture of other chemical products n.e.c. | 10                   | 136.8   | 133.1  | 142.7                          | 7.2         | 4.3                          | 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

**Contacts:**

National Institute of Statistics of Rwanda (NISR),  
P.O. BOX 6139 Kigali,  
Tel.: +250-788383103 Hot line: 4321,  
Web site: [www.statistics.gov.rw](http://www.statistics.gov.rw)  
E-mail: [info@statistics.gov.rw](mailto:info@statistics.gov.rw)