



**REPUBLIC OF RWANDA**



# **PRODUCER PRICE INDEX (PPI)**

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

## 1. Summary

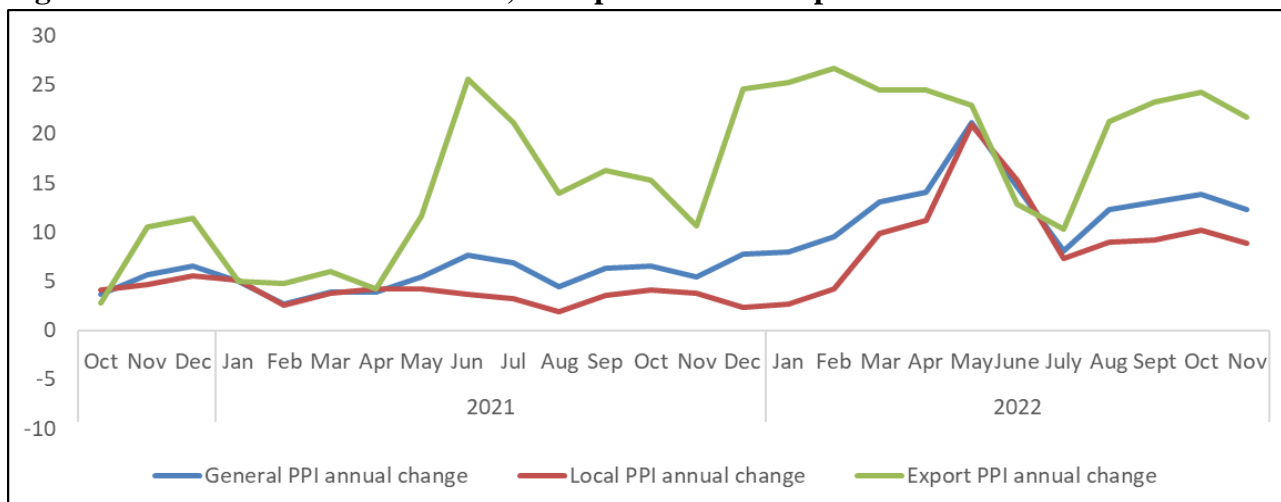
This is the monthly publication of the Producer Price Index (PPI) for the month of November 2022.

- General Producer Price Index increased by 12.3 percent on annual basis
- Local Producer Price Index increased by 8.9 percent on annual basis
- Export Producer Price Index increased by 21.7 percent on annual basis
- General Producer Price Index decreased by 0.7 percent on monthly basis
- Local Producer Price Index decreased by 1 percent on monthly basis
- Export Producer Price Index decreased by 0.2 percent on monthly basis

	2021		2022										
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov
<b>Annual change</b>													
General PPI	5.4	7.8	8.0	9.5	13.1	14.1	21.2	14.6	8.1	12.3	13.1	13.9	12.3
Local PPI	3.7	2.4	2.7	4.3	9.9	11.2	20.9	15.3	7.3	9.0	9.2	10.2	8.9
Export PPI	10.6	24.6	25.3	26.7	24.5	24.5	22.9	12.8	10.3	21.2	23.3	24.3	21.7
<b>Monthly change</b>													
General PPI	0.6	2.7	0.7	1.8	4.1	0.8	6.5	-3.2	-5.3	2.2	1.6	1.1	-0.7
Local PPI	0.2	-0.2	1.0	1.9	6.1	1.3	8.8	-4.6	-6.7	0.4	0.8	1.7	-1.0
Export PPI	1.9	10.6	0.0	1.5	-0.6	-0.6	-0.2	1.5	-1.5	6.9	3.3	-0.2	-0.2

*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 Nov. 2022	
				on Oct.2022	on Nov. 2021
<b>1</b>	<b>R</b>	<b>Rwanda</b>	<b>1000</b>	<b>-0.7</b>	<b>12.3</b>
2	RB	Mining and quarrying	96	0.1	9.4
2	RC	Manufacturing	714	-1.1	18.6
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 November 2022, General PPI increased by 12.3 percent when compared to the same month of 2021. This is due to an increase of 18.6 percent in prices of manufacturing activities and an increase of 9.4 percent in prices of ‘mining and quarrying’.

Monthly general PPI decreased by 0.7 percent. This is mainly due to a decrease of 1.1 percent in prices of manufacturing activities.

## 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 Nov. 2022	
				on Oct. 2022	on Nov. 2021
<b>1</b>	<b>R</b>	<b>Rwanda</b>	<b>1000</b>	<b>-1.0</b>	<b>8.9</b>
2	RC	Manufacturing	749	-1.5	15.2
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 8.9 percent in November 2022 compared to the same month of 2021. This is due to an increase of 15.2 percent in prices of manufacturing activities.

Monthly local PPI decreased by 1 percent. This is due to a decrease of 1.5 percent in prices of manufacturing activities.

## 4. Export 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 Nov. 2022	
				on Oct. 2022	on Nov. 2021
<b>1</b>	<b>R</b>	<b>Exports</b>	<b>1000</b>	<b>-0.2</b>	<b>21.7</b>
4	RB0729	Mining of other non-ferrous metal ores	393	0.1	9.4
6	RC107980	Manufacture of coffee products	268	0.4	53.8
6	RC107990	Manufacture of tea products	328	-1.1	9.6
4	RC2029	Manufacture of other chemical products n.e.c.	10	2.2	5.9

Source: NISR

Export PPI increased by 21.7 percent in November 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 9.6 percent in prices of tea products and an increase of 9.4 percent in prices of ‘mining and quarrying’.

Monthly export PPI decreased by 0.2 percent. This is mainly due to a decrease of 1.1 percent in prices of tea 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

<b>Annex 1: Producer Price Index, General</b>		Index (Dec 2010=100)			Percentage change in Nov. 2022 Contributions <sup>1</sup> :			
Level	Categories	Weights	Nov-21	Oct-22	Nov-22	on Oct. 2022	on Nov. 2021	12 months
<b>1</b>	<b>General Index</b>	<b>1000</b>	<b>153.2</b>	<b>173.4</b>	<b>172.1</b>	<b>-0.7</b>	<b>12.3</b>	<b>12.3</b>
2	Mining and quarrying	96	136.4	149.1	149.2	0.1	9.4	0.8
4	Mining of metal ores	96	136.4	149.1	149.2	0.1	9.4	0.8
2	Manufacturing	714	143.8	172.3	170.5	-1.1	18.6	11.5
4	Manufacture of food products	376	152.6	186.2	183.3	-1.6	20.1	8.2
4	Manufacture of beverages	174	128.3	154.4	154.4	0.0	20.4	3.8
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	157.0	192.6	193.1	0.3	23.0	0.7
4	Manufacture of rubber and plastics products	11	207.1	216.7	217.3	0.3	4.9	0.1
4	Manufacture of other non-metallic mineral products	31	114.9	124.4	125.0	0.5	8.9	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 Level Categories	Weights	Index (Dec 2010=100)			Percentage change in Nov. 2022		Contributions <sup>1</sup> :
		Nov-21	Oct-22	Nov-22	on Oct. 2022	on Nov. 2021	12 months
<b>1 General Index</b>	<b>1000</b>	<b>153.4</b>	<b>168.6</b>	<b>167.0</b>	<b>-1.0</b>	<b>8.9</b>	<b>8.9</b>
2 Manufacturing	749	137.8	161.1	158.8	-1.5	15.2	8.9
4 Manufacture of food products	305	149.3	176.0	171.0	-2.8	14.6	4.8
4 Manufacture of beverages	231	128.3	154.4	154.4	0.0	20.4	5.1
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	158.6	196.2	196.6	0.2	24.0	0.9
4 Manufacture of rubber and plastics products	15	117.8	117.8	117.8	0.0	0.0	0.0
4 Manufacture of other non-metallic mineral products	42	114.9	124.4	125.0	0.5	8.9	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

<b>Annex 3: Producer Price Index, General</b>		Index (Dec 2010=100)			Percentage change in Nov. 2022		Contributions <sup>1</sup> :	
Level	Categories	Weights	Nov-21	Oct-22	Nov-22	on Oct. 2022	on Nov. 2021	12 months
<b>1</b>	<b>General Index</b>	<b>1000</b>	<b>149.9</b>	<b>182.9</b>	<b>182.5</b>	<b>-0.2</b>	<b>21.7</b>	<b>21.7</b>
6	Mining of other non-ferrous metal ores	393	136.4	149.1	149.2	0.1	9.4	3.8
8	Manufacture of coffee products	268	135.7	208.1	208.8	0.4	53.8	14.7
8	Manufacture of tea products	328	171.6	190.1	188.0	-1.1	9.6	3.2
6	Manufacture of other chemical products n.e.c.	10	139.4	144.4	147.6	2.2	5.9	0.1

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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