



REPUBLIC OF RWANDA



PRODUCER PRICE INDEX (PPI)

**Producer Price
Index
(PPI)
March 2023**

Summary

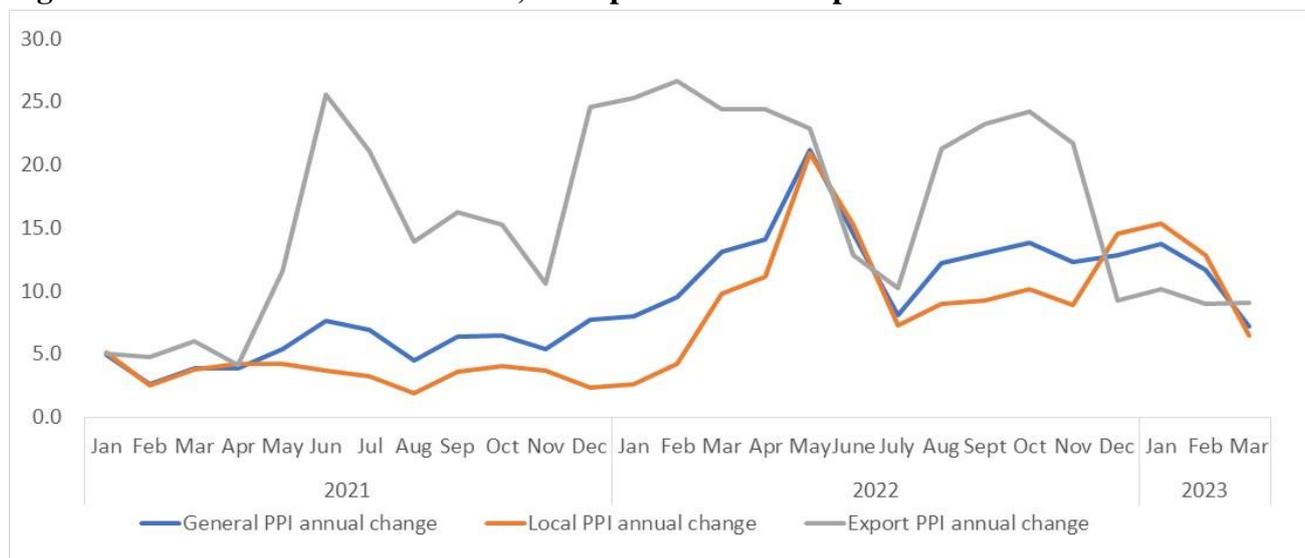
This is the monthly publication of the Producer Price Index (PPI) for the month of March 2023.

- General Producer Price Index increased by 7.2 percent on annual basis
- Local Producer Price Index increased by 6.5 percent on annual basis
- Export Producer Price Index increased by 9.1 percent on annual basis
- General Producer Price Index was stable on monthly basis
- Local Producer Price Index increased by 0.1 percent on monthly basis
- Export Producer Price Index decreased by 0.5 percent on monthly basis

	2022											2023		
	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Annual change														
General PPI	13.1	14.1	21.2	14.6	8.1	12.3	13.1	13.9	12.3	12.9	13.7	11.7	7.2	
Local PPI	9.9	11.2	20.9	15.3	7.3	9.0	9.2	10.2	8.9	14.6	15.4	12.9	6.5	
Export PPI	24.5	24.5	22.9	12.8	10.3	21.2	23.3	24.3	21.7	9.3	10.2	9.0	9.1	
Monthly change														
General PPI	4.1	0.8	6.5	-3.2	-5.3	2.2	1.6	1.1	-0.7	3.2	1.5	-0.1	0.0	
Local PPI	6.1	1.3	8.8	-4.6	-6.7	0.4	0.8	1.7	-1.0	5.0	1.7	-0.3	0.1	
Export PPI	-0.6	-0.6	-0.2	1.5	-1.5	6.9	3.3	-0.2	-0.2	-0.7	0.9	0.5	-0.5	

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.

Table 2: Producer Price Index, General Index summary			Percentage change in Mar. 2023		
Level	Index ID	ISIC rev. 4 Description	Weights	on Feb. 2023	on Mar. 2022
1	R	Rwanda	1000	0.0	7.2
2	RB	Mining and quarrying	96	0.1	4.5
2	RC	Manufacturing	714	-0.1	10.0
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 March 2023, General PPI increased by 7.2 percent compared to the same month of 2022. This is due to an increase of 10 percent in prices of manufacturing activities and an increase of 4.5 percent in prices of ‘mining and quarrying’.

Monthly general PPI was stable.

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 Mar. 2023		
Level	Index ID	ISIC rev. 4 Description	Weights	on Feb. 2023	on Mar. 2022
1	R	Rwanda	1000	0.1	6.5
2	RC	Manufacturing	749	0.2	9.9
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 6.5 percent in March 2023 compared to the same month of 2022. This is due to an increase of 9.9 percent in prices of manufacturing activities.

Monthly local PPI increased by 0.1 percent. This is due to an increase of 0.2 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 Mar. 2023		
Level	Index ID	ISIC rev. 4 Description	Weights	on Feb. 2023	on Mar. 2022
1	R	Exports	1000	-0.5	9.1
4	RB0729	Mining of other non-ferrous metal ores	393	0.1	4.5
6	RC107980	Manufacture of coffee products	268	1.1	26.8
6	RC107990	Manufacture of tea products	328	-2.6	-2.8
4	RC2029	Manufacture of other chemical products n.e.c.	10	-14.9	8.9

Source: NISR

Export PPI increased by 9.1 percent in March 2023 compared to the same month of 2022. This is mainly due to an increase of 26.8 percent in prices of Coffee products and an increase of 4.5 percent in prices of ‘mining and quarrying’. The prices of tea products decreased by 2.8 percent.

Monthly export PPI decreased by 0.5 percent. This is mainly due to a decrease of 2.6 percent in prices of tea products. The prices of coffee products increased by 1.1 percent.

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, General		Index (Dec 2010=100)			Percentage change in Mar. 2023		Contributions ¹ :	
Level	Categories	Weights	Mar-22	Feb-23	Mar-23	on Feb. 2023	on Mar. 2022	12 months
1	General Index	1000	167.9	180.2	180.1	0.0	7.2	7.2
2	Mining and quarrying	96	143.5	149.8	150.0	0.1	4.5	0.4
4	Mining of metal ores	96	143.5	149.8	150.0	0.1	4.5	0.4
2	Manufacturing	714	165.0	181.7	181.6	-0.1	10.0	6.8
4	Manufacture of food products	376	182.8	199.3	199.2	0.0	9.0	3.4
4	Manufacture of beverages	174	134.2	155.2	155.2	0.0	15.6	2.7
4	Manufacture of textiles	5	95.7	95.7	95.7	0.0	0.0	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	166.0	206.2	204.7	-0.8	23.3	0.7
4	Manufacture of rubber and plastics products	11	207.1	217.3	218.6	0.6	5.6	0.1
4	Manufacture of other non-metallic mineral products	31	114.9	125.0	126.4	1.0	10.0	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	129.9	136.1	136.6	0.4	5.2	0.0
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	Index (Dec 2010=100) Percentage change in Mar. 2023 Contributions ¹ :						
	Weights	Mar-22	Feb-23	Mar-23	on Feb. 2023	on Mar. 2022	12 months
1 General Index	1000	167.2	177.8	178.1	0.1	6.5	6.5
2 Manufacturing	749	158.8	174.2	174.5	0.2	9.9	6.5
4 Manufacture of food products	305	185.3	199.4	200.0	0.3	7.9	2.4
4 Manufacture of beverages	231	134.2	155.2	155.2	0.0	15.6	3.6
4 Manufacture of textiles	6	95.7	95.7	95.7	0.0	0.0	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	168.2	208.6	208.6	0.0	24.0	0.8
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	125.0	126.4	1.0	10.0	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	129.9	136.1	136.6	0.4	5.2	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, Export		Index (Dec 2010=100)			Percentage change in Mar. 2023		Contributions ¹ :
Level Categories	Weights	Mar-22	Feb-23	Mar-23	on Feb. 2023	on Mar. 2022	12 months
1 General Index	1000	167.4	183.7	182.7	-0.5	9.1	9.1
6 Mining of other non-ferrous metal ores	393	143.5	149.8	150.0	0.1	4.5	2.0
8 Manufacture of coffee products	268	169.2	212.2	214.6	1.1	26.8	8.1
8 Manufacture of tea products	328	187.0	186.6	181.7	-2.6	-2.8	-1.0
6 Manufacture of other chemical products n.e.c.	10	140.5	179.7	152.9	-14.9	8.9	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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