



REPUBLIC OF RWANDA



PRODUCER PRICE INDEX (PPI)

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

1. Summary

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

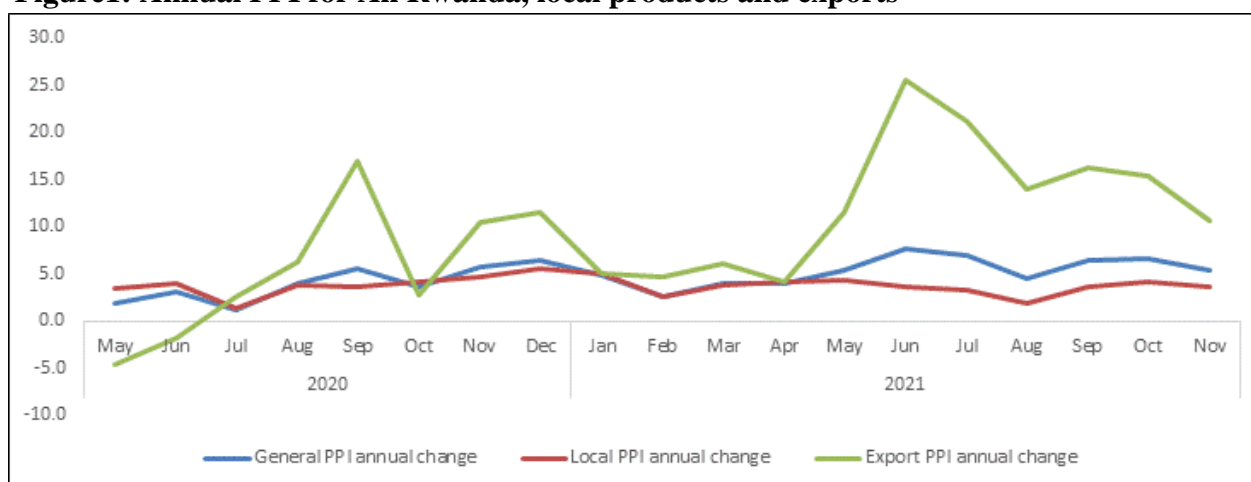
- General Producer Price Index increased by 5.4 percent on annual basis
- Local Producer Price Index increased by 3.7 percent on annual basis
- Export Producer Price Index increased by 10.6 percent on annual basis
- General Producer Price Index increased by 0.6 percent on monthly basis
- Local Producer Price Index increased by 0.2 percent on monthly basis
- Export Producer Price Index increased by 1.9 percent on monthly basis

Table1. PPI monthly and annual changes for All Rwanda, local products and exports (in percentages)

	Table 1: Producer Price Index, General, Local and Exports													
	<i>Percentage change on the same period 12 months and or one month earlier:</i>													
	2020		2021											
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
General PPI annual change	5.7	6.5	5.0	2.6	3.9	3.9	5.4	7.7	6.9	4.5	6.4	6.5	5.4	
Local PPI annual change	4.7	5.5	5.1	2.5	3.8	4.2	4.3	3.7	3.3	1.9	3.6	4.1	3.7	
Export PPI annual change	10.6	11.5	5.0	4.8	6.0	4.2	11.6	25.6	21.1	14.0	16.3	15.3	10.6	
General PPI monthly change	1.7	0.5	0.5	0.4	0.8	-0.1	0.3	2.4	0.3	-1.6	0.9	0.3	0.6	
Local PPI monthly change	0.6	1.1	0.7	0.4	0.7	0.1	0.1	0.1	0.2	-1.2	0.6	0.8	0.2	
Export PPI monthly change	6.2	-1.8	-0.5	0.4	1.2	-0.6	1.1	10.5	0.8	-2.8	1.6	-1.0	1.9	

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, General Index summary			Percentage change in Nov. 2021		
Level	Index ID	ISIC rev. 4 Description	Weights	on Oct. 2021	on Nov. 2020
1	R	Rwanda	1000	0.6	5.4
2	RB	Mining and quarrying	96	1.4	14.6
2	RC	Manufacturing	714	0.9	7.9
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 2021, General PPI increased by 5.4 percent when compared to the same month of 2020. This is due to an increase of 7.9 percent in prices of manufacturing activities and an increase of 14.6 percent in prices of mining & quarrying.

Monthly general PPI increased by 0.6 percent. This is due to an increase of 0.9 percent in prices of manufacturing activities and an increase of 1.4 percent in prices of mining & quarrying.

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 Nov. 2021		
Level	Index ID	ISIC rev. 4 Description	Weights	on Oct. 2021	on Nov. 2020
1	R	Rwanda	1000	0.2	3.7
2	RC	Manufacturing	749	0.4	7.1
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 3.7 percent in November 2021 compared to the same month of 2020. This is due to an increase of 7.1 percent in prices of manufacturing activities.

Monthly local PPI increased by 0.2 percent. This is due to an increase of 0.4 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 Nov. 2021		
Level	Index ID	ISIC rev. 4 Description	Weights on Oct. 2021	on Nov. 2020	
1	R	Exports	1000	1.9	10.6
4	RB0729	Mining of other non-ferrous metal ores	393	1.4	14.6
6	RC107980	Manufacture of coffee products	268	0.0	13.1
6	RC107990	Manufacture of tea products	328	3.0	7.8
4	RC2029	Manufacture of other chemical products n.e.c.	10	0.9	5.0

Source: NISR

Export PPI increased by 10.6 percent in November 2021 compared to the same month of 2020. This is mainly due to an increase of 14.6 percent in prices of mining & quarrying, an increase of 13.1 percent in prices of coffee products and an increase of 7.8 percent in prices of tea products.

The monthly export PPI increased by 1.9 percent. This is mainly due to an increase of 3 percent in prices of tea products and an increase of 1.4 percent in prices of mining & quarrying.

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 Nov. 2021		Contributions ¹ :		
Level Categories		Weights	Nov-20	Oct-21	Nov-21	on Oct-2021	on Nov-2020	1 month	12 months
General Index									
1 Rwanda	1000	145.4	152.3	153.2	0.6	5.4	0.6	5.4	
2 Mining and quarrying	96	119.0	134.5	136.4	1.4	14.6	0.1	1.1	
4 Mining of metal ores	96	119.0	134.5	136.4	1.4	14.6	0.1	1.1	
2 Manufacturing	714	133.2	142.5	143.8	0.9	7.9	0.5	4.3	
4 Manufacture of food products	376	138.3	150.6	152.6	1.4	10.3	0.5	3.5	
4 Manufacture of beverages	174	127.7	128.3	128.3	0.0	0.4	0.0	0.1	
4 Manufacture of textiles	5	92.8	92.8	92.8	0.0	0.0	0.0	0.0	
4 Printing and reproduction of recorded media	19	100.2	106.2	106.2	0.0	6.0	0.0	0.1	
4 Manufacture of chemicals and chemical products	29	135.1	156.9	157.0	0.1	16.2	0.0	0.4	
4 Manufacture of rubber and plastics products	11	173.7	207.1	207.1	0.0	19.2	0.0	0.2	
4 Manufacture of other non-metallic mineral products	31	112.5	114.9	114.9	0.0	2.1	0.0	0.1	
4 Manufacture of fabricated metal products, except machinery and equipment	29	144.9	144.9	144.9	0.0	0.0	0.0	0.0	
4 Manufacture of furniture	9	115.4	122.5	122.5	0.0	6.2	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 2: Producer Price Index, Local		Index (Dec 2010=100)			Percentage change in Nov. 2021		Contributions ¹ :		
Level	Categories	Weights	Nov-20	Oct-21	Nov-21	on Oct-2021	on Nov-2020	1 month	12 months
Local Index									
1	Rwanda	1000	147.9	150.9	151.9	0.2	3.7	0.2	3.7
2	Manufacturing	749	128.6	133.8	135.3	0.4	7.1	0.2	3.7
4	Manufacture of food products	305	134.2	141.7	144.5	0.8	11.2	0.2	2.6
4	Manufacture of beverages	231	127.7	127.7	128.3	0.0	0.4	0.0	0.1
4	Manufacture of textiles	6	92.8	92.8	92.8	0.0	0.0	0.0	0.0
4	Printing and reproduction of recorded media	25	100.2	106.2	106.2	0.0	6.0	0.0	0.1
4	Manufacture of chemicals and chemical products	35	135.4	156.6	156.6	0.0	17.2	0.0	0.5
4	Manufacture of rubber and plastics products	15	93.2	112.9	116.1	0.0	26.3	0.0	0.3
4	Manufacture of other non-metallic mineral products	42	112.5	114.9	114.9	0.0	2.1	0.0	0.1
4	Manufacture of fabricated metal products, GTcept machinery and equipment	39	144.9	144.9	144.9	0.0	0.0	0.0	0.0
4	Manufacture of furniture	11	115.4	122.5	122.5	0.0	6.2	0.0	0.1
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; sGSerage, 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 3: Producer Price Index, General		Index (Dec 2010=100)			Percentage change in Nov. 2 ¹ Contributions ¹ :				
Level	Categoriies	Weights	Nov-20	Oct-21	Nov-21	on Oct-2021	on Nov-2020	1 month	12 months
General Index									
1	Exports	1000	135.6	147.2	149.9	1.9	10.6	1.9	10.6
6	Mining of other non-ferrous metal ores	393	119.0	134.5	136.4	1.4	14.6	0.7	5.1
8	Manufacture of coffee products	268	120.0	135.7	135.7	0.0	13.1	0.0	3.1
8	Manufacture of tea products	328	159.2	166.6	171.6	3.0	7.8	1.2	2.3
6	Manufacture of other chemical products n.e.c.	10	132.7	138.1	139.4	0.9	5.0	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

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