



REPUBLIC OF RWANDA



PRODUCER PRICE INDEX (PPI)

**Producer Price
Index
(PPI)**

February 2020

**NATIONAL INSTITUTE OF STATISTICS OF RWANDA
(NISR)**

1. Summary

This is the monthly publication of the Producer Price Index (PPI) for the month of February 2020.

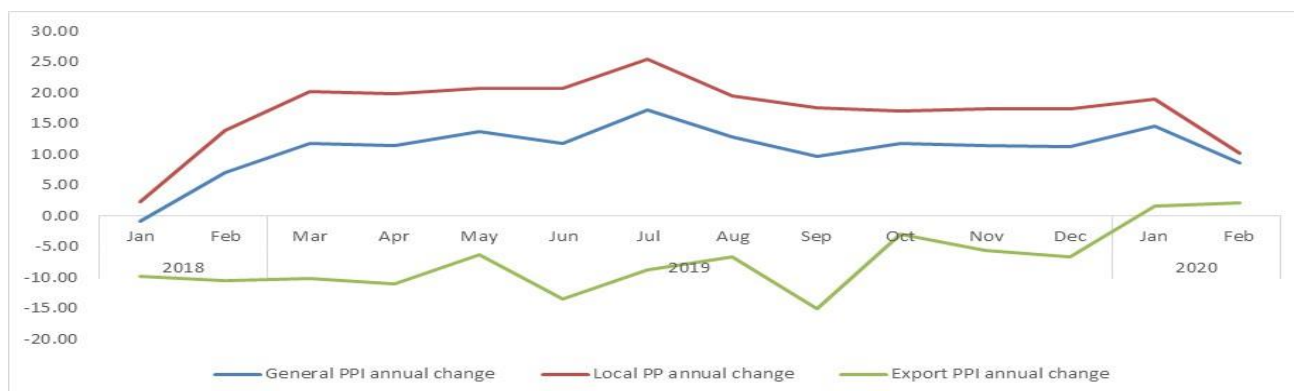
- General Producer Price Index increased by 8.7 percent on annual basis
- Local Producer Price Index increased by 10.3 percent on annual basis
- Export Producer Price Index increased by 2.1 percent on annual basis
- General Producer Price Index increased by 2.6 percent on monthly basis
- Local Producer Price Index increased by 2.9 percent on monthly basis
- Export Producer Price Index increased by 0.7 percent on monthly basis

Table1. 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:												
	2019											2020	
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
General PPI annual change	7.0	11.8	11.4	13.7	11.8	17.2	12.8	9.6	11.8	11.4	11.3	14.6	8.7
Local PP annual change	13.9	20.2	19.9	20.7	20.7	25.5	19.4	17.5	17.0	17.4	17.4	19.0	10.3
Export PPI annual change	-10.6	-10.1	-11.0	-6.3	-13.5	-8.8	-6.7	-15.1	-3.0	-5.5	-6.6	1.5	2.1
General PPI monthly change	8.2	4.3	0.1	0.6	-1.0	2.8	-1.9	-2.5	2.0	-0.3	-0.3	2.0	2.6
Local PPI monthly change	11.1	5.1	0.0	0.7	0.0	3.2	-2.3	-0.7	-0.2	0.0	0.3	1.1	2.9
Export PPI monthly change	0.1	0.9	0.5	0.7	-4.7	0.2	-0.3	-9.5	13.6	-1.3	-2.6	5.5	0.7

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 a 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 2 below presents the percentage changes on monthly and annual basis.

Table 2: Producer Price Index, General Index summary			Percentage change in Feb. 2020		
Level	Index ID	ISIC rev. 4 Description	Weights	on Jan.2020	on Feb.2019
1	R	Rwanda	1000	2.6	8.7
2	RB	Mining and quarrying	96	0.2	-15.5
2	RC	Manufacturing	714	2.7	9.4
2	RD	Electricity, gas, steam and air conditioning supply	58	13.0	13.0
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 2020, General PPI increased by 8.7 percent when compared to the same month of 2019. This is mainly due to an increase of 9.4 percent in prices of manufacturing activities. Prices of Electricity increased by 13 percent while prices in mining & quarrying decreased by 15.5 percent.

The monthly general PPI increased by 2.6 percent. This was mainly due to an increase in prices of Electricity of 2.7 percent and an increase in prices of manufacturing of 13 percent.

3. Local Producer Price Index

The table 3 below presents the percentage changes on monthly and annual basis.

Table 3: Producer Price Index, Local Index summary			Percentage change in Feb. 2020		
Level	Index ID	ISIC rev. 4 Description	Weights	on Jan.2020	on Feb.2019
1	R	Rwanda	1000	2.9	10.3
2	RC	Manufacturing	749	2.9	8.0
2	RD	Electricity, gas, steam and air conditioning supply	76	13.0	13.0
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 10.3 percent in February 2020 compared to the same month of 2019. This was mainly due to an increase of 8.0 percent in prices of manufacturing and an increase of 13 percent in prices of Electricity.

The monthly local PPI increased by 2.9 percent. This was mainly due to an increase of 13 in prices of Electricity and an increase of 2.9 percent in prices of manufacturing.

4. Export Producer Price Index

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

Table 4: Producer Price Index, Exports Index summary			Percentage change in Feb. 2020		
Level	Index ID	ISIC rev. 4 Description	Weights	on Jan.2020	on Feb.2019
1	R	Exports	1000	0.7	2.1
4	RB0729	Mining of other non-ferrous metal ores	393	0.2	-15.5
6	RC107980	Manufacture of coffee products	268	10.7	1.2
6	RC107990	Manufacture of tea products	328	-0.5	19.0
4	RC2029	Manufacture of other chemical products n.e.c.	10	6.7	1.1

Source: NISR

Export PPI increased by 2.1 percent in February 2020 compared to the same month of 2019. This was due to an increase of 19 percent in prices of tea products and an increase of 1.2 in prices of coffee products. Mining of other non-ferrous metal ores decreased by 15.5 percent.

The monthly export PPI increased by 0.7 percent. This was due to an increase of 10.7 in prices of coffee, an increase of 6.7 percent in the prices of other chemical products and an increase of 0.2 in the prices of non-ferrous metal ores. Prices of tea products decreased by 0.5 percent.

5. 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 (January 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.202 Contributions 1:							
Level	Categoriies	Weights	Feb-19	Jan-20	Feb-20	on Jan.2020	on Feb.2019	1 month	12 months
General Index									
1	Rwanda	1000	132.1	139.8	143.5	2.6	8.7	2.6	8.7
2	Mining and quarrying	96	129.5	109.2	109.5	0.2	-15.5	0.0	-1.0
4	Mining of metal ores	96	129.5	109.2	109.5	0.2	-15.5	0.0	-1.0
2	Manufacturing	714	119.8	127.6	131.0	2.7	9.4	1.2	4.6
4	Manufacture of food products	376	116.8	129.3	133.4	3.2	14.2	0.8	3.7
4	Manufacture of beverages	174	127.7	127.7	127.7	0.0	0.0	0.0	0.0
4	Manufacture of textiles	5	83.7	83.7	92.8	10.9	10.9	0.0	0.0
4	Manufacture of paper and paper products	2	105.8	103.2	103.2	0.0	-2.4	0.0	0.0
4	Printing and reproduction of recorded media	19	112.6	106.2	106.2	0.0	-5.7	0.0	-0.1
4	Manufacture of chemicals and chemical products	29	121.8	131.8	132.5	0.6	8.8	0.0	0.2
4	Manufacture of rubber and plastics products	11	170.9	174.5	218.3	25.1	27.8	0.2	0.2
4	Manufacture of other non-metallic mineral products	31	110.2	110.2	110.2	0.0	0.0	0.0	0.0
4	Manufacture of fabricated metal products, except machinery and equipment	29	126.3	143.7	143.7	0.0	13.8	0.0	0.3
4	Manufacture of furniture	9	113.4	114.4	114.4	0.0	0.9	0.0	0.0
2	Electricity, gas, steam and air conditioning supply	58	158.9	158.9	179.5	13.0	13.0	0.5	0.5
4	Electricity, gas, steam and air conditioning supply	58	158.9	158.9	179.5	13.0	13.0	0.5	0.5
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.20: Contributions 1:							
Level	Categoriies	Weights	Feb-19	Jan-20	Feb-20	on Jan.2020	on Feb.2019	1 month	12 months
Local Index									
1	Rwanda	1000	133.7	143.2	147.4	2.9	10.3	2.9	10.3
2	Manufacturing	749	118.3	124.2	127.8	2.9	8.0	1.5	4.9
4	Manufacture of food products	305	114.8	125.4	131.9	5.2	14.9	1.6	3.4
4	Manufacture of beverages	231	127.7	127.7	127.7	0.0	0.0	0.0	0.0
4	Manufacture of textiles	6	83.7	83.7	92.8	10.9	10.9	0.1	0.1
4	Manufacture of paper and paper products	2	105.8	103.2	103.2	0.0	-2.4	0.0	0.0
4	Printing and reproduction of recorded media	25	112.6	106.2	106.2	0.0	-5.7	0.0	-0.1
4	Manufacture of chemicals and chemical products	35	120.4	132.1	132.1	0.0	9.8	0.0	0.3
4	Manufacture of rubber and plastics products	15	92.8	95.5	131.3	37.4	41.4	0.6	0.5
4	Manufacture of other non-metallic mineral products	42	110.2	110.2	110.2	0.0	0.0	0.0	0.0
4	Manufacture of fabricated metal products, except machinery and equipment	39	126.3	143.7	143.7	0.0	13.8	0.0	0.4
4	Manufacture of electrical equipment	2	142.1	156.1	156.1	0.0	9.9	0.0	0.0
4	Manufacture of furniture	11	113.4	114.4	114.4	0.0	0.9	0.0	0.0
2	Electricity, gas, steam and air conditioning supply	76	158.9	158.9	179.5	13.0	13.0	0.7	0.8
4	Electricity, gas, steam and air conditioning supply	76	158.9	158.9	179.5	13.0	13.0	0.7	0.8
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.2020		Contributions 1:		
Level	Categories	Weights	Fév-19	Jan-20	Fév-20	sur Jan.2020	sur Fév.2019	1 month	12 months
General Index									
1	Exports	1000	124.3	126.0	126.9	0.7	2.1	0.7	2.1
6	Mining of other non-ferrous metal ores	393	129.5	109.2	109.5	0.2	-15.5	0.0	-5.4
8	Manufacture of coffee products	268	91.8	84.0	93.0	10.7	1.2	0.1	0.3
8	Manufacture of tea products	328	131.9	157.7	157.0	-0.5	19.0	0.0	5.5
6	Manufacture of other chemical products n.e.c.	10	135.3	128.3	136.9	6.7	1.1	0.0	0.0
Source: NISR									
<i>(1) "Contributions" take into account both the growth rate and the relative weight of each category to explain the percentage change observed</i>									

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