



REPUBLIC OF RWANDA



# PRODUCER PRICE INDEX (PPI)

Producer Price  
Index  
(PPI)

January 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 January 2020.

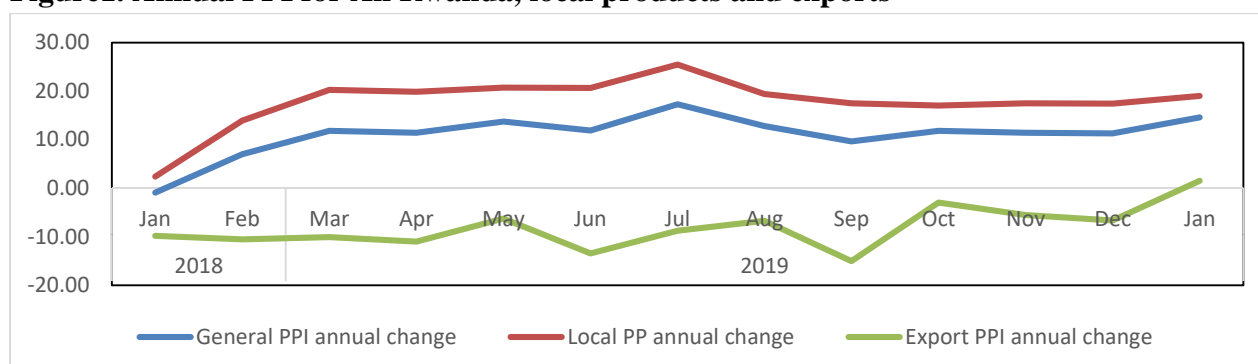
- General Producer Price Index increased by 14.56 percent on annual basis
- Local Producer Price Index increased by 18.99 percent on annual basis
- Export Producer Price Index increased by 1.52 percent on annual basis
- General Producer Price Index increased by 1.97 percent on monthly basis
- Local Producer Price Index increased by 1.1 percent on monthly basis
- Export Producer Price Index increased by 5.53 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													
Percentage change on the same period 12 months and or one month earlier:													
	2019												2020 Jan
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
General PPI annual change	-0.92	7.01	11.80	11.38	13.75	11.85	17.25	12.82	9.64	11.82	11.44	11.26	14.56
Local PP annual change	2.38	13.93	20.24	19.87	20.72	20.65	25.48	19.41	17.48	17.00	17.45	17.41	18.99
Export PPI annual change	-9.85	-10.57	-10.12	-11.04	-6.29	-13.46	-8.80	-6.73	-15.06	-2.98	-5.53	-6.64	1.52
General PPI monthly change	-0.98	8.22	4.26	0.06	0.63	-0.96	2.84	-1.87	-2.47	2.02	-0.25	-0.32	1.97
Local PP monthly change	-0.24	11.06	5.06	-0.02	0.65	0.03	3.22	-2.34	-0.75	-0.16	0.04	0.27	1.10
Export PPI monthly change	-2.95	0.12	0.93	0.52	0.66	-4.67	0.21	-0.33	-9.53	13.62	-1.33	-2.59	5.53

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.

Level	Index ID	ISIC rev. 4 Description	Percentage change in Jan. 2020		
			Weights	on Dec.2019	on Jan.2019
1	<b>R</b>	<b>Rwanda</b>	<b>1000</b>	<b>1.97</b>	<b>14.56</b>
2	RB	Mining and quarrying	96	4.20	-15.72
2	RC	Manufacturing	714	3.22	6.59
2	RD	Electricity, gas, steam and air conditioning supply	58	0.00	0.00
2	RE	Water supply; sewerage, waste management and remediation activities	129	0.00	90.59
2	RJ	Information and communication	3	0.00	0.00

*Source: NISR*

In January 2020, General PPI increased by 14.56 percent when compared to the same month of 2019. This is mainly due to an increase of 90.59 percent in price of water supply activities. Prices in manufacturing activities increased by 6.59 percent while prices in mining & quarrying decreased by of 15.72 percent.

The monthly general PPI increased by 1.97 percent. This was mainly due to an increase of 4.2 percent in prices of ‘mining & quarrying’ and an increase of 3.22 percent in prices of manufacturing.

## 3. Local Producer Price Index

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

Level	Index ID	ISIC rev. 4 Description	Percentage change in Jan. 2020		
			Weights	on Dec.2019	on Jan.2019
1	<b>R</b>	<b>Rwanda</b>	<b>1000</b>	<b>1.10</b>	<b>18.99</b>
2	RC	Manufacturing	749	2.33	5.02
2	RD	Electricity, gas, steam and air conditioning supply	76	0.00	0.00
2	RE	Water supply; sewerage, waste management and remediation activities	171	0.00	90.59
2	RJ	Information and communication	4	0.00	0.00

*Source: NISR*

Local PPI increased by 18.99 percent in January 2020 compared to the same month of 2019. This was mainly due to an increase of 90.59 percent in prices of water supply activities and 5.02 percent in prices of manufacturing.

The monthly local PPI increased by 1.1 percent. This was mainly due to an increase of 2.33 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.

Level	Index ID	ISIC rev. 4 Description	Percentage change in Jan. 2020		
			Weights	on Dec.2019	on Jan.2019
1	<b>R</b>	<b>Exports</b>	<b>1000</b>	<b>5.53</b>	<b>1.52</b>
4	RB0729	Mining of other non-ferrous metal ores	393	4.20	-15.72
6	RC107980	Manufacture of coffee products	268	-10.20	14.40
6	RC107990	Manufacture of tea products	328	9.08	9.51
4	RC2029	Manufacture of other chemical products n.e.c.	10	-10.07	-4.87

*Source: NISR*

Export PPI increased by 1.52 percent in January 2020 compared to the same month of 2019. This was due to an increase of 14.4 percent in prices of coffee product and an increase of 9.51 in prices of tea products. Mining of other non-ferrous metal ores decreased by 15.72 percent.

The monthly export PPI increased by 5.53 percent. This was due to an increase of 9.08 in prices of tea, and an increase of 4.2 percent in the prices of other non-ferrous metal ores. Prices of coffee products decreased by 10.2 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

<b>Annex 1: Producer Price Index, General</b>		Index (Dec 2010=100) Percentage change in Jan. 20 Contributions 1:							
<b>Level</b>	<b>Categories</b>	<b>Weights</b>	<b>Jan-19</b>	<b>Dec-19</b>	<b>Jan-20</b>	<b>on Dec.19</b>	<b>on Jan.19</b>	<b>1 month</b>	<b>12 months</b>
<b>General Index</b>									
<b>1</b>	<b>Rwanda</b>	<b>1000</b>	<b>122.02</b>	<b>137.10</b>	<b>139.79</b>	<b>1.97</b>	<b>14.56</b>	<b>1.97</b>	<b>14.56</b>
2	Mining and quarrying	96	129.61	104.83	109.23	4.20	-15.72	0.29	-1.48
4	Mining of metal ores	96	129.61	104.83	109.23	4.20	-15.72	0.29	-1.48
2	Manufacturing	714	119.71	123.61	127.59	3.22	6.59	1.67	4.60
4	Manufacture of food products	376	116.96	122.61	129.29	5.45	10.54	1.56	3.99
4	Manufacture of beverages	174	127.70	127.70	127.70	0.00	0.00	0.00	0.00
4	Manufacture of textiles	5	83.71	83.71	83.71	0.00	0.00	0.00	0.00
4	Manufacture of paper and paper products	2	105.77	103.21	103.21	0.00	-2.42	0.00	0.00
4	Printing and reproduction of recorded media	19	112.60	109.59	106.15	-3.14	-5.72	-0.04	-0.11
4	Manufacture of chemicals and chemical products	29	121.69	122.97	131.75	7.15	8.27	0.16	0.24
4	Manufacture of rubber and plastics products	11	170.86	174.32	174.54	0.12	2.15	0.00	0.02
4	Manufacture of other non-metallic mineral products	31	110.23	110.00	110.21	0.19	-0.02	0.00	0.00
4	Manufacture of fabricated metal products, except machinery and equipment	29	125.17	143.67	143.67	0.00	14.77	0.00	0.44
4	Manufacture of furniture	9	113.40	114.90	114.41	-0.43	0.89	0.00	0.01
2	Electricity, gas, steam and air conditioning supply	58	158.94	158.94	158.94	0.00	0.00	0.00	0.00
4	Electricity, gas, steam and air conditioning supply	58	158.94	158.94	158.94	0.00	0.00	0.00	0.00
2	Water supply; sewerage, waste management and remediation activities	129	100.00	190.59	190.59	0.00	90.59	0.00	11.44
4	Water collection, treatment and supply	129	100.00	190.59	190.59	0.00	90.59	0.00	11.44
2	Information and communication	3	197.81	197.81	197.81	0.00	0.00	0.00	0.00
4	Publishing activities	3	197.81	197.81	197.81	0.00	0.00	0.00	0.00

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 1: Producer Price Index, Local</b>		Index (Dec 2010=100)		Percentage change in Jan. 20		Contributions 1:			
Level	Categoriies	Weights	Jan-19	Dec-19	Jan-20	on Dec. 19	on Jan. 19	1 month	12 months
<b>Local Index</b>									
<b>1</b>	<b>Rwanda</b>	<b>1000</b>	<b>120.37</b>	<b>141.67</b>	<b>143.23</b>	<b>1.10</b>	<b>18.99</b>	<b>1.10</b>	<b>18.99</b>
2	Manufacturing	749	118.27	121.39	124.22	2.33	5.02	1.10	3.71
4	Manufacture of food products	305	114.78	119.74	125.36	4.69	9.22	0.93	2.86
4	Manufacture of beverages	231	127.70	127.70	127.70	0.00	0.00	0.00	0.00
4	Manufacture of textiles	6	83.71	83.71	83.71	0.00	0.00	0.00	0.00
4	Manufacture of paper and paper products	2	105.77	103.21	103.21	0.00	-2.42	0.00	-0.01
4	Printing and reproduction of recorded media	25	112.60	109.59	106.15	-3.14	-5.72	-0.05	-0.14
4	Manufacture of chemicals and chemical products	35	120.35	120.57	132.10	9.56	9.76	0.22	0.35
4	Manufacture of rubber and plastics products	15	92.82	95.54	95.54	0.00	2.93	0.00	0.04
4	Manufacture of other non-metallic mineral products	42	110.23	110.00	110.21	0.19	-0.02	0.01	0.00
4	Manufacture of fabricated metal products, except machinery and equipment	39	125.17	143.67	143.67	0.00	14.77	0.00	0.58
4	Manufacture of electrical equipment	2	142.11	156.11	156.11	0.00	9.86	0.00	0.02
4	Manufacture of furniture	11	113.40	114.90	114.41	-0.43	0.89	0.00	0.01
2	Electricity, gas, steam and air conditioning supply	76	158.94	158.94	158.94	0.00	0.00	0.00	0.00
4	Electricity, gas, steam and air conditioning supply	76	158.94	158.94	158.94	0.00	0.00	0.00	0.00
2	Water supply; sewerage, waste management and remediation activities	171	100.00	190.59	190.59	0.00	90.59	0.00	15.28
4	Water collection, treatment and supply	171	100.00	190.59	190.59	0.00	90.59	0.00	15.28
2	Information and communication	4	197.81	197.81	197.81	0.00	0.00	0.00	0.00
4	Publishing activities	4	197.81	197.81	197.81	0.00	0.00	0.00	0.00

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 1: Producer Price Index, Export</b>		Index (Dec 2010=100)			Percentage change in Jan. 20		Contributions 1:		
Level	Categorities	Weights	Jan-19	Dec-19	Jan-20	on Dec. 19	on Jan. 19	1 month	12 months
<b>1</b>	<b>Exports</b>	<b>1000</b>	<b>124.16</b>	<b>119.44</b>	<b>126.04</b>	<b>5.53</b>	<b>1.52</b>	<b>5.53</b>	<b>1.52</b>
6	Mining of other non-ferrous metal ores	393	129.61	104.83	109.23	4.20	-15.72	5.10	-12.45
8	Manufacture of coffee products	268	73.41	93.53	83.98	-10.20	14.40	-8.46	7.78
8	Manufacture of tea products	328	144.05	144.62	157.75	9.08	9.51	9.20	6.28
6	Manufacture of other chemical products n.e.c.	10	134.85	142.65	128.29	-10.07	-4.87	-0.31	-0.10

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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