



REPUBLIC OF RWANDA



PRODUCER PRICE INDEX (PPI)

Producer Price
Index
(PPI)

April 2019

NATIONAL INSTITUTE OF STATISTICS OF RWANDA
(NISR)

1. Summary

This is the monthly publication of the Producer Price Index (PPI) for April 2019. The main focus of this publication is general, local and export index.

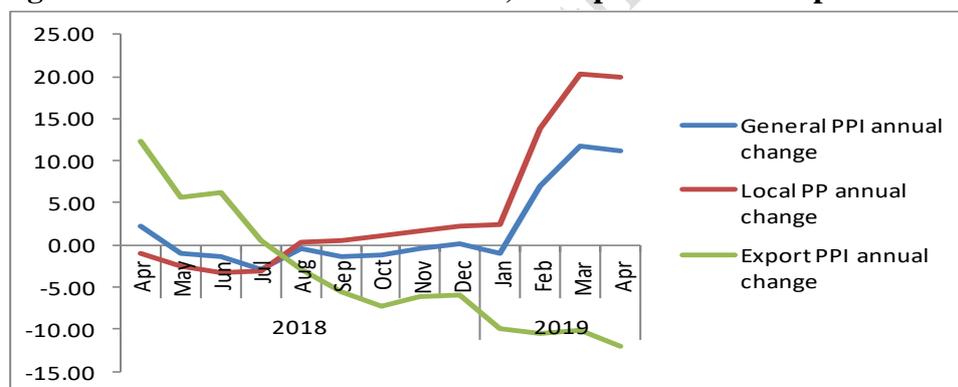
- General Producer Price Index increased by 11.2 percent on annual basis
- Local Producer Price Index increased by 19.9 percent on annual basis
- Export Producer Price Index decreased by 11.9 percent on annual basis
- General Producer Price Index decreased by 0.1 percent on monthly basis
- Local Producer Price Index decreased by 0.02 percent on monthly basis
- Export Producer Price Index increased by 0.5 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:													
	2018									2019			
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
General PPI annual change	2.21	-0.92	-1.43	-2.86	-0.47	-1.29	-1.21	-0.48	0.13	-0.92	7.01	11.80	11.19
Local PPI annual change	-0.93	-2.60	-3.22	-3.13	0.41	0.55	1.02	1.59	2.28	2.38	13.93	20.24	19.87
Export PPI annual change	12.24	5.73	6.23	0.46	-2.86	-5.52	-7.25	-6.10	-5.85	-9.85	-10.57	-10.12	-11.93
General PPI monthly change	0.43	-1.46	0.72	-1.90	1.98	0.37	0.03	0.09	-0.15	-0.98	8.22	4.26	-0.11
Local PP monthly change	0.29	-0.05	0.08	-0.75	2.62	0.88	0.25	-0.34	0.31	-0.24	11.06	5.06	-0.02
Export PPI monthly change	1.56	-4.44	3.23	-4.91	-2.55	-0.66	-0.53	1.34	-1.43	-2.95	0.12	0.93	-0.48

Source: NISR

Figure1. Annual PPI for All Rwanda, local products and exports



Source: NISR

2. 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. PPI for Rwanda is now published on a monthly basis.

It presents price changes for all combined products, products for local sales and those for exports. It covers a sample of 114 establishments and 402 products spread countrywide, both in Kigali City and in rural areas.

PPI survey is conducted jointly with the National Bank of Rwanda. It now covers mining, manufacturing and energy.

3. 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 Apr.2019		
Level	Index ID	ISIC rev. 4 Description	Weights	on Mar.2019	on Mar.2018
1	R	Rwanda	1000	-0.11	11.19
2	RB	Mining and quarrying	96	-2.01	-9.52
2	RC	Manufacturing	714	0.24	-3.45
2	RD	Electricity, gas, steam and air conditioning supply	58	0.00	32.73
2	RE	Water supply; sewerage, waste management and remediation activities	129	0.00	90.59
2	RJ	Information and communication	3	0.00	3.10

Source: NISR

Table 2 shows that, general PPI increased by 11.2 percent in April 2019 compared to the same month of 2018. This is mainly due to an increase of 90.6 percent in price 'Water supply activities', 32.7 percent in prices of 'Electricity and gas supply activities', offset mainly by the decrease of 9.5 in Mining and quarrying.

The monthly general PPI decreased by 0.11 percent compared to March 2019 mainly due to a decrease of 2 percent in prices of mining and quarrying.

4. 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 Apr.2019		
Level	Index ID	ISIC rev. 4 Description	Weights	on Mar.2019	on Mar.2018
1	R	Rwanda	1000	-0.02	19.87
2	RC	Manufacturing	749	0.00	-0.87
2	RD	Electricity, gas, steam and air conditioning supply	76	0.00	32.73
2	RE	Water supply; sewerage, waste management and remediation activities	171	0.00	90.59
2	RJ	Information and communication	4	0.00	3.10

Source: NISR

Table 3 shows that, local PPI increased by 19.9 percent in April 2019 compared to the same month of 2018. This was mainly due to an increase of 90.6 percent in prices of 'Water supply activities', and 32.7 percent in prices of 'electricity and gas activities'.

The monthly local PPI decreased by 0.02 percent compared to March 2019.

5. Export Producer Price Index

Table 4 below presents the percentage changes on monthly and annual basis.

Level	Index ID	ISIC rev. 4 Description	Weights	Percentage change in Apr.2019	
				on Mar.2019	on Mar.2018
1	R	Exports	1000	-0.48	-11.93
4	RB0729	Mining of other non-ferrous metal ores	393	-2.01	-9.52
6	RC107980	Manufacture of coffee products	268	11.29	-4.15
6	RC107990	Manufacture of tea products	328	-3.64	-17.43
4	RC2029	Manufacture of other chemical products n.e.c.	10	1.19	3.02

Source: NISR

Table 4 shows that, export PPI decreased by 11.9 percent in April 2019 compared to the same month of 2018. This was mainly due to a general decrease in prices of export products, except prices of other chemicals (pyrethrum) which increased by 3 percent.

The monthly export PPI decreased by 0.5 percent compared to March 2019 mainly due to a decrease in prices of non-ferrous metal ores and tea products which decreased by 2 percent and 3.6 percent respectively.

6. 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—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 (December 2010). We 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 Apr.2019		Contributions ¹ :		
Level	Categories	Weights	Apr-18	Mar-19	Apr-19	on Mar-2019	on Apr-2018	1 month	12 months
	General Index								
1	Rwanda	1000	123.69	137.68	137.53	-0.11	11.19	-0.11	11.19
2	Mining and quarrying	96	141.83	130.96	128.33	-2.01	-9.52	-0.93	-1.00
4	Mining of metal ores	96	141.83	130.96	128.33	-2.01	-9.52	-0.93	-1.00
2	Manufacturing	714	124.68	120.10	120.38	0.24	-3.45	0.82	-2.70
4	Manufacture of food products	376	126.32	117.55	118.43	0.74	-6.25	1.16	-2.70
4	Manufacture of beverages	174	127.68	127.70	127.70	0.00	0.02	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	105.18	105.77	105.18	-0.56	0.00	0.00	0.00
4	Printing and reproduction of recorded media	19	111.72	109.30	109.30	0.00	-2.16	0.00	-0.05
4	Manufacture of chemicals and chemical products	29	120.97	121.56	121.69	0.11	0.60	0.01	0.02
4	Manufacture of rubber and plastics products	11	172.20	170.86	170.86	0.00	-0.77	0.00	-0.01
4	Manufacture of other non-metallic mineral products	31	110.00	110.23	110.23	0.00	0.21	0.00	0.01
4	Manufacture of fabricated metal products, except machinery and equipment	29	122.92	128.09	124.41	-2.87	1.21	-0.35	0.04
4	Manufacture of furniture	9	115.02	113.40	113.40	0.00	-1.41	0.00	-0.01
2	Electricity, gas, steam and air conditioning supply	58	119.74	158.94	158.94	0.00	32.73	0.00	2.06
2	Water supply; sewerage, waste management and remediation activities	129	100.00	190.59	190.59	0.00	90.59	0.00	12.81
2	Information and communication	3	191.87	197.81	197.81	0.00	3.10	0.00	0.01

Source: NISR

(1) "Contributions" take into account both the growth rate and the relative weight of each category to explain the percentage change observed

Proposal for

Annex 1: Producer Price Index, Local			Index (Dec 2010=100)			Percentage change in Apr.2019		Contributions ¹ :	
Level	Categories	Weights	Apr-18	Mar-19	Apr-19	on Mar-2019	on Apr-2018	1 month	12 months
Local Index									
1	Rwanda	1000	117.15	140.45	140.43	-0.02	19.87	-0.02	19.87
2	Manufacturing	749	119.56	118.51	118.51	0.00	-0.87	-0.02	-0.75
4	Manufacture of food products	305	118.44	115.20	115.16	-0.03	-2.76	-0.01	-0.86
4	Manufacture of beverages	231	127.67	127.70	127.70	0.00	0.02	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	105.18	105.77	105.18	-0.56	0.00	0.00	0.00
4	Printing and reproduction of recorded media	25	111.72	109.30	109.30	0.00	-2.16	0.00	-0.05
4	Manufacture of chemicals and chemical products	35	120.35	120.35	120.35	0.00	0.00	0.00	0.00
4	Manufacture of rubber and plastics products	15	92.79	92.82	92.82	0.00	0.03	0.00	0.00
4	Manufacture of other non-metallic mineral products	42	110.00	110.23	110.23	0.00	0.21	0.00	0.01
4	Manufacture of fabricated metal products, except machinery and equipment	39	122.92	128.09	128.09	0.00	4.20	0.00	0.17
4	Manufacture of electrical equipment	2	142.11	142.11	142.11	0.00	0.00	0.00	0.00
4	Manufacture of furniture	11	115.02	113.40	113.40	0.00	-1.41	0.00	-0.02
2	Electricity, gas, steam and air conditioning supply	76	119.74	158.94	158.94	0.00	32.73	0.00	2.86
2	Water supply; sewerage, waste management and remediation activities	171	100.00	190.59	190.59	0.00	90.59	0.00	17.75
2	Information and communication	4	191.87	197.81	197.81	0.00	3.10	0.00	0.01

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 Apr.2019		Contributions ¹ :		
Level	Categories	Weights	Apr-18	Mar-19	Apr-19	on Mar-2019	on Apr-2018	1 month	12 months
General Index									
	1 Exports	1000	141.78	125.47	124.87	-0.48	-11.93	-0.48	-11.93
	6 Mining of other non-ferrous metal ores	393	141.83	130.96	128.33	-2.01	-9.52	0.36	-4.23
	8 Manufacture of coffee products	268	105.92	91.22	101.52	11.29	-4.15	-1.38	-1.26
	8 Manufacture of tea products	328	161.39	138.29	133.25	-3.64	-17.43	0.55	-6.47
	6 Manufacture of other chemical products n.e.c.	10	130.70	133.06	134.65	1.19	3.02	-0.01	0.03

Source: NISR

(1) "Contributions" take into account both the growth rate and the relative weight of each category to explain the percentage change observed

Proposal for Monthly PPI

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