



REPUBLIC OF RWANDA



PRODUCER PRICE INDEX (PPI)

Producer Price
Index
(PPI)

First Quarter
2019

NATIONAL INSTITUTE OF STATISTICS OF RWANDA
(NISR)

1. SUMMARY

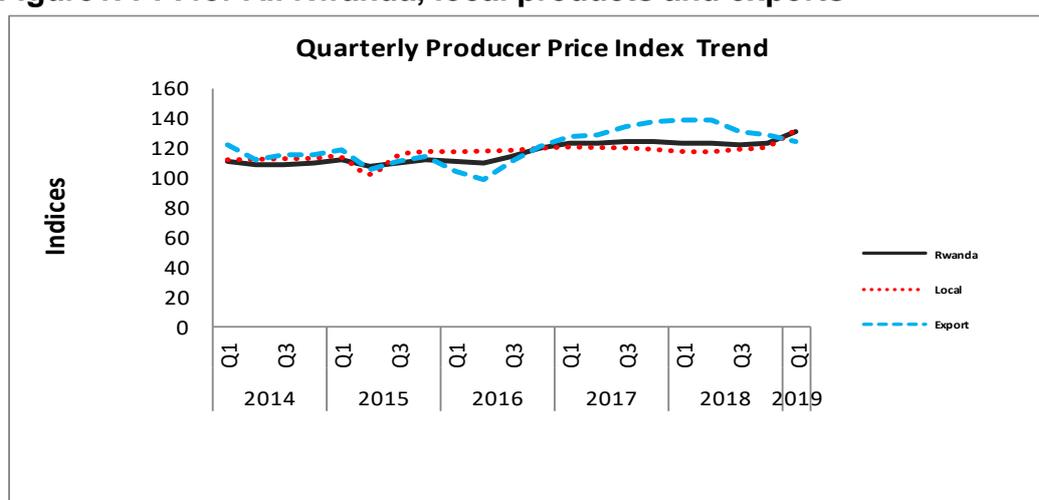
- The annual change in PPI for all Rwanda, first quarter 2019, is 5.96 percent
- The annual change in PPI for local products, first quarter 2019, is 12.17 percent
- The annual change in PPI for exports, first quarter 2019, is -10.18 percent
- The quarterly change in PPI for all Rwanda, first quarter 2019, is 5.90 percent
- The quarterly change in PPI for local products, first quarter 2019, is 9.09 percent
- The quarterly change in PPI for exports, first quarter 2019, is -3.07 percent

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

	Quarterly change (Q1.19-Q4.18)	Annual change (Q1.19-Q1.18)
PPI for all Rwanda	5.90	5.96
PPI for local products	9.09	12.17
PPI for export products	-3.07	-10.18

Source: NISR

Figure1. 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 published on a quarterly basis; but it highlights monthly for each of the three months of the quarter under review, the quarterly Producer Price Index and the annual Producer Price Index.

PPI 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.

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

3. PPI FOR ALL RWANDA

Table 2 below presents the percentage changes on monthly, quarterly and annual basis.

Table 2. Monthly, quarterly and annual changes for PPI for All Rwanda

	2019			
	January	February	March	Q1
Monthly change	-0.98	8.22	4.26	
Quarterly change				5.90
Annual change				5.96

Source: NISR

Table 2 shows that, on monthly basis, the overall PPI decreased by 0.98 percent in January, and increased by 8.22 percent and 4.26 percent in February and March 2019 respectively.

On quarterly basis, the overall index for the first quarter 2019 increased by 5.90 percent while it increased by 5.96 percent on annual basis.

Main contributors to change

On monthly basis,

In January 2019 (-0.98%):

- Manufacturing contributed negatively 1.07 percentage points.
- Mining and quarrying contributed positively 0.09 percentage points

In February 2019 (8.22%):

- Water supply activities contributed positively 8.20 percentage points.
- Manufacturing contributed positively 0.02 percentage points

In March 2019 (4.26%)

- Manufacturing contributed positively 2.83 percentage points.
- Mining and quarrying contributed positively 1.43 percentage points.

On quarterly basis, the main contributors to the index change of the first quarter 2019 (5.90%) are:

- Water supply activities contributed positively 6.71 percentage points
- Manufacturing contributed negatively 0.80 percentage points

On an annual basis, the main contributors to the index change of the first quarter 2019 (5.96 %) are:

- Water supply activities contributed positively 7.07 percentage points
- Electricity contributed positively 1.71 percentage points
- Manufacturing contributed negatively 2.24 percentage points
- Mining and quarrying contributed negatively 0.58 percentage points.

4. PPI FOR GOODS PRODUCED FOR LOCAL SALES

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

Table3. Monthly, quarterly and annual changes for PPI for local sales

	2019			
	January	February	March	Q1
Monthly change	-0.24	11.06	5.06	
Quarterly change				9.09
Annual change				12.17

Source: NISR

Table 3 shows that, on monthly basis, the overall PPI decreased by 0.24 percent in January, and increased by 11.06 and by 5.06 percent respectively in February and March 2019.

On a quarterly basis, the index for the first quarter 2019 increased by 9.09 percent, while it increased by 12.17 percent on annual basis.

Main contributors to change

On monthly basis, the main contributors to the index change are:

In January 2019 (-0.24%):

- Manufacturing contributed negatively 0.24 percentage points.

In February 2019 (11.06%):

- Water supply activities contributed positively 11.03 percentage points
- Manufacturing contributed positively 0.03 percentage points.

In March 2019 (5.06%):

- Manufacturing contributed positively 5.06 percentage points

On a quarterly basis, the main contributors to the index change (9.09%) are:

- Water supply activities contributed positively 9.16 percentage points
- Manufacturing contributed negatively 0.07 percentage points

On an annual basis, the main contributors to the index change (12.17%) are:

- Water supply activities contributed positively 10.44 percentage points
- Electricity contributed positively 2.52 percentage points
- Manufacturing contributed negatively 0.81 percentage points

5. PPI FOR EXPORTS

Table 4 presents the index and the percentage changes on monthly, quarterly and annual basis for export products.

Table4. Monthly, quarterly and annual changes for PPI for exports

	2019			Q1
	January	February	March	
Monthly change	-2.95	0.12	0.93	
Quartely change				-3.07
Annual change				-10.18

Source: NISR

Table 4 shows that on monthly basis the index decreased by 2.95 percent in January, and increased by 0.12 percent and by 0.93 percent respectively in February and March 2019.

On a quarterly basis, the index for the first quarter 2019 decreased by 3.07 percent, while it decreased by 10.18 percent on annual basis.

Main contributors to change

On monthly basis,

In January 2019 (-2.95%):

- Coffee production prices contributed negatively 2.94 percentage points

In February 2019 (0.12%):

- Coffee production prices contributed positively 0.21 percentage points.
- Tea production prices contributed negatively 0.09 percentage points

In March 2019 (0.93%):

- Tea production prices contributed positively 0.82 percentage points.
- Non-ferrous metal ores production prices contributed positively 0.22 percentage points
- Coffee production prices contributed negatively 0.09 percentage points.

On quarterly basis, the main contributors to the index change of the first quarter 2019 (-3.07%) are:

- Tea production prices contributed negatively 1.57 percentage points.
- Coffee production prices contributed negatively 1.48 percentage points.

On an annual basis, the main contributors to the index change of first quarter 2019 (-10.18%) are:

- Coffee production prices contributed negatively 4.61 percentage points
- Tea production prices contributed negatively 3.18 percentage points.
- Non-ferrous metal ores production prices contributed negatively 2.27 percentage points.

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 for Mining, Manufacturing and Energy which is released about 8 weeks following the quarter under review.

Establishments are classified according to ISIC rev. 4; and the classification is determined by their main output.

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 quarter from the selected establishment by considering the mid-point of each month of the quarter under review.

The formula used in the PPI calculation is the geometric modified Laspeyres.

Annex 1: PPI, All Rwanda				Weights	Index (December 2010=100)				Monthly Contribution			Quarterly Contribution	Annual Contribution			
Index				Weights	Dec-18	Jan-19	Feb-19	Mar-19	Q1 2018	Q4 2018	Q1 2019	Jan-19	Feb-19	Mar-19	Q1 2019	Q1 2019
LVL	AGG	ID	ISIC rev. 4 Description													
1	R	R	Rwanda	1000	123.22	122.02	132.05	137.68	123.24	123.31	130.59	-0.98	8.22	4.26	5.90	5.96
2	R	RB	Mining and quarrying	96	128.33	129.61	129.55	130.96	139.41	130.20	130.04	0.09	0.00	1.43	-0.01	-0.58
4	RB	RB07	Mining of metal ores	96	128.33	129.61	129.55	130.96	139.41	130.20	130.04	0.09	0.00	1.43	-0.01	-0.58
2	R	RC	Manufacturing	714	121.58	119.71	119.75	120.10	124.15	121.43	119.85	-1.07	0.02	2.83	-0.80	-2.24
4	RC	RC10	Manufacture of food products	376	120.66	116.96	116.84	117.55	125.55	120.38	117.12	-1.10	0.07	3.07	-0.83	-2.39
4	RC	RC11	Manufacture of beverages	174	127.70	127.70	127.70	127.70	127.45	127.70	127.70	0.00	0.00	0.00	0.00	0.03
4	RC	RC13	Manufacture of textiles	5	83.71	83.71	83.71	83.71	82.38	83.71	83.71	0.00	0.00	0.00	0.00	0.01
4	RC	RC17	Manufacture of paper and paper products	2	105.18	105.77	105.77	105.77	100.65	105.18	105.77	0.00	0.00	0.00	0.00	0.01
4	RC	RC18	Printing and reproduction of recorded media	19	112.60	112.60	112.60	109.30	112.47	112.60	111.50	0.00	0.00	-0.74	-0.01	-0.02
4	RC	RC20	Manufacture of chemicals and chemical products	29	121.27	121.69	121.77	121.56	124.09	121.39	121.67	0.01	0.00	-0.07	0.01	-0.05
4	RC	RC22	Manufacture of rubber and plastics products	11	170.86	170.86	170.86	170.86	173.04	170.79	170.86	0.00	0.00	0.00	0.00	-0.01
4	RC	RC23	Manufacture of other non-metallic mineral products	31	110.23	110.23	110.23	110.23	110.00	110.15	110.23	0.00	0.00	0.00	0.00	0.01
4	RC	RC25	Manufacture of fabricated metal products, except machinery and equipment	29	124.41	125.17	126.27	128.09	119.85	124.41	126.51	0.02	-0.04	0.57	0.04	0.15
4	RC	RC31	Manufacture of furniture	9	113.40	113.40	113.40	113.40	110.93	113.40	113.40	0.00	0.00	0.00	0.00	0.02
2	R	RD	Electricity, gas, steam and air conditioning supply	58	158.94	158.94	158.94	158.94	119.74	158.94	158.94	0.00	0.00	0.00	0.00	1.71
2	R	RE	Water supply; sewerage, waste management and remediation activities	129	100.00	100.00	190.59	190.59	100.00	100.00	160.39	0.00	8.20	0.00	6.71	7.07
2	R	RJ	Information and communication	3	197.81	197.81	197.81	197.81	191.87	197.81	197.81	0.00	0.00	0.00	0.00	0.01

Source: NISR

Annex 2: PPI, Local products				Weights	Index (December 2010=100)				Monthly Contribution			Quarterly Contribution	Annual Contribution			
LVL	AGG	Index ID	ISIC rev. 4 Description		Dec-18	Jan-19	Feb-19	Mar-19	Q1 2018	Q4 2018	Q1 2019	Jan-19	Feb-19	Mar-19	Q1 2019	Q1 2019
1	R	R	Rwanda	1000	120.66	120.37	133.69	140.45	117.24	120.55	131.50	-0.24	11.06	5.06	9.09	12.17
2	R	RC	Manufacturing	749	118.65	118.27	118.35	118.51	119.65	118.51	118.38	-0.24	0.03	5.06	-0.07	-0.81
4	RC	RC10	Manufacture of food products	305	115.83	114.78	114.77	115.20	119.39	115.48	114.92	0.27	0.00	5.94	-0.11	-1.08
4	RC	RC11	Manufacture of beverages	231	127.70	127.70	127.70	127.70	127.45	127.70	127.70	0.00	0.00	0.00	0.00	0.04
4	RC	RC13	Manufacture of textiles	6	83.71	83.71	83.71	83.71	82.38	83.71	83.71	0.00	0.00	0.00	0.00	0.01
4	RC	RC17	Manufacture of paper and paper products	2	105.18	105.77	105.77	105.77	100.65	105.18	105.77	0.00	0.00	0.00	0.00	0.01
4	RC	RC18	Printing and reproduction of recorded media	25	112.60	112.60	112.60	109.30	112.47	112.60	111.50	0.00	0.00	-3.83	-0.02	-0.02
4	RC	RC20	Manufacture of chemicals and chemical products	35	120.35	120.35	120.35	120.35	120.35	120.35	120.35	0.00	0.00	0.00	0.00	0.00
4	RC	RC22	Manufacture of rubber and plastics products	15	92.82	92.82	92.82	92.82	93.62	92.82	92.82	0.00	0.00	0.00	0.00	-0.01
4	RC	RC23	Manufacture of other non-metallic mineral products	42	110.23	110.23	110.23	110.23	110.00	110.15	110.23	0.00	0.00	0.00	0.00	0.01
4	RC	RC25	Manufacture of fabricated metal products, except machinery and equipment	39	124.41	125.17	126.27	128.09	119.85	124.41	126.51	-0.02	0.04	2.95	0.05	0.20
4	RC	RC31	Manufacture of furniture	11	113.40	113.40	113.40	113.40	110.93	113.40	113.40	0.00	0.00	0.00	0.00	0.02
2	R	RD	Electricity, gas, steam and air conditioning supply	76	158.94	158.94	158.94	158.94	119.74	158.94	158.94	0.00	0.00	0.00	0.00	2.52
2	R	RE	Water supply; sewerage, waste management and remediation activities	171	100.00	100.00	190.59	190.59	100.00	100.00	160.39	0.00	11.03	0.00	9.16	10.44
2	R	RJ	Information and communication	4	197.81	197.81	197.81	197.81	191.87	197.81	197.81	0.00	0.00	0.00	0.00	0.01

Source: NISR

Annex 3: PPI, Export products				Weights	Index (December 2010=100)				Monthly Contribution			Quarterly Contribution	Annual Contribution			
LV	AGG	Index ID	ISIC rev. 4 Description		Dec-18	Jan-19	Feb-19	Mar-19	Q1 2018	Q4 2018	Q1 2019	Jan-19	Feb-19	Mar-19	Q1 2019	Q1 2019
1	R	R	Exports	1000	127.94	124.16	124.31	125.47	138.78	128.60	124.65	-2.95	0.12	0.93	-3.07	-10.18
6	RB072	RB0729	Mining of other non-ferrous metal ores	393	128.33	129.61	129.55	130.96	139.41	130.20	130.04	0.22	0.00	0.22	-0.04	-2.27
8	RC1079	RC107980	Manufacture of coffee products	268	91.17	73.41	91.84	91.22	106.85	91.64	85.49	-2.94	0.21	-0.09	-1.48	-4.61
8	RC1079	RC107990	Manufacture of tea products	328	146.05	144.05	131.89	138.29	155.66	146.67	138.08	-0.25	-0.09	0.82	-1.57	-3.18
6	RC202	RC2029	Manufacture of other chemical products n.e.c.	10	130.22	134.85	135.34	133.06	156.66	131.53	134.41	0.02	0.00	-0.01	0.02	-0.12

Source: NISR

Contacts:

National Institute of Statistics of Rwanda (NISR),
P.O. BOX 6139 Kigali,
Tel.: (250) 571035 Fax: (250) 570705.
Web site: www.statistics.gov.rw

Publication Directors:

MURANGWA Yusuf, Director General, NISR; yusuf.murangwa@statistics.gov.rw,

MURENZI Ivan, Deputy Director General; ivan.murenzi@statistics.gov.rw,

MWIZERWA Jean Claude, Acting Director of Economic Statistics Department,
NISR; claudemwizerwa@statistics.gov.rw

MUTETIJABIRO Lucie, Price Statistician Team Leader, NISR,
lucie.mutetijabiro@statistics.gov.rw