



REPUBLIC OF RWANDA



PRODUCER PRICE INDEX (PPI)

FIRST QUARTER 2017

MAY 2017

1. SUMMARY

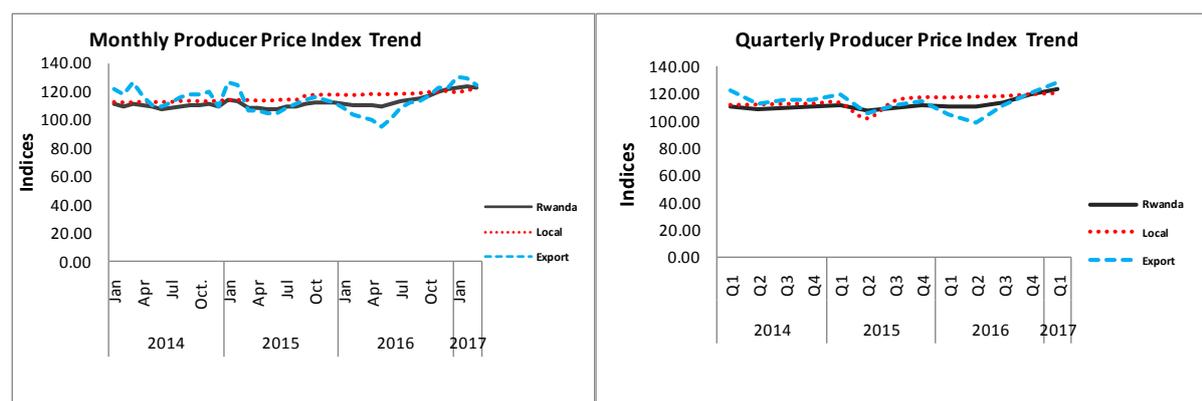
- The annual change in PPI for all Rwanda, first quarter 2017, is 11.32 percent
- The annual change in PPI for local products, first quarter 2017, is 2.62 percent
- The annual change in PPI for exports, first quarter 2017, is 22.72 percent
- The quarterly change in PPI for all Rwanda, first quarter 2017, is 3.08 percent
- The quarterly change in PPI for local products, first quarter 2017, is 0.68 percent
- The quarterly change in PPI for exports, first quarter 2017, is 6.09 percent

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

	Quarterly change (Q1.17-Q4.16)	Annual change (Q1.17-Q1.16)
PPI for All Rwanda	3.08	11.32
PPI for local products	0.68	2.62
PPI for export products	6.09	22.72

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.

The Producer Price Index for Rwanda is published on a quarterly basis; but it highlights monthly Producer Price Index for each of the three months of the quarter under review, the quarterly Producer Price Index and the annual Producer Price Index. 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; but NISR intends to include hotels and communication services in the future.

3. PPI FOR ALL RWANDA

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

Table2. Monthly, quarterly and annual changes for PPI for All Rwanda

	2017			
	January	February	March	Q1
Monthly change	0.95	0.93	-0.56	
Quartely change				3.08
Annual change	10.22	12.40	11.35	11.32

Source: NISR

As the table 2 shows, on a monthly basis, the index increased by 0.95 and 0.93 respectively in January and February and decreased by 0.56 in March 2017.

On a quarterly basis, the index for the first quarter 2017 increased by 3.08 percent.

On an annual basis, the index for the first quarter 2017 increased by 11.32 percent.

Main contributors to change

On a monthly basis,

In January 2017 (0.95%):

- Manufacturing contributed positively by 1.39 percentage points.
- Mining and quarrying contributed positively by 0.23 percentage points.
- Electricity, gas, steam and air conditioning supply contributed negatively by 0.67percentage points.

In February 2017 (0.93%):

- Manufacturing contributed positively by 1.23 percentage points.
- Mining and quarrying contributed negatively by 0.30 percentage points.

In March 2017 (-0.56%)

- Manufacturing contributed negatively by 0.56 percentage points.

On a quarterly basis, the main contributors to the index change of the first quarter 2017 (3.08%) are:

- Manufacturing contributed positively to 3.56 percentage points of which food products contributed positively to 2.86 percentage points and beverages contributed positively by 0.61 percentage points
- Mining and quarrying contributed positively to 0.37 percentage points.
- Electricity, gas, steam and air conditioning supply contributed negatively to 0.85 percentage points.

On an annual basis, the main contributors to the index change of the first quarter 2017 (11.32%) are:

- Manufacturing contributed positively to 8.34 percentage points of which food products contributed positively to 7.01 percentage points and beverages contributed positively to 0.65 percentage points
- Mining and quarrying contributed positively to 3.76 percentage points.
- Electricity, gas, steam and air conditioning supply contributed negatively to 0.78 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

	2017			Q1
	January	February	March	
Monthly change	-0.85	1.36	0.63	
Quartely change				0.68
Annual change	1.47	3.00	3.39	2.62

Source: NISR

As the table 3 shows, on a monthly basis, in January the index decreased by 0.85 and in February and March the index increased by 1.36 and 0.63 respectively.

On a quarterly basis, the index for the first quarter 2017 increased by 0.68 percent.

On an annual basis, the index for the first quarter 2017 increased by 2.62 percent.

Main contributors to change

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

In January 2017 (-0.85%):

- Manufacturing contributed negatively to 1.20 percentage point.
- Electricity, gas, steam and air conditioning supply contributed positively to 0.35 percentage points.

In February 2017(1.36%):

- Manufacturing contributed positively to 1.36 percentage point.

In March 2017 (0.63%):

- Manufacturing contributed positively to 0.63 percentage point.

On a quarterly basis, the main contributors to the index change (0.68%):

- Manufacturing contributed positively to 0.86 percentage points.
- Electricity, gas, steam and air conditioning supply contributed negatively to 0.18 percentage points.

On an annual basis, the main contributors to the index change (2.62%):

- Manufacturing contributed positively to 3.11 percentage points.
- Electricity, gas, steam and air conditioning supply contributed negatively to 0.49 percentage points.

5. PPI FOR EXPORTS

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

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

	2017			Q1
	January	February	March	
Monthly change	6.41	-0.50	-3.62	
Quartely change				6.09
Annual change	20.30	25.14	22.84	22.72

Source: NISR

The table 4 shows that on a monthly basis the index increased by 6.41 in January, and decreased by 0.50 and 3.62 percent in February and March 2017 respectively.

On a quarterly basis, the index for the first quarter 2017 increased by 6.09 percent.

On an annual basis, the index for the first quarter 2017 increased by 22.72 percent.

Main contributors to change

On a monthly basis,

In January 2017 (6.41%):

- Coffee products contributed positively to 4.36 percentage points.
- Non-ferrous metal ores contributed positively to 1.53 percentage points.

In February 2017 (-0.50%):

- Tea products contributed positively by 1.07 percentage points.
- Non-ferrous metal ores contributed negatively by 1.68 percentage points

In March 2017 (-3.62%):

- Tea products contributed negatively by 3.74 percentage points.

On a quarterly basis, the main contributors to the index change of the first quarter 2017 (6.09%) are:

- Tea products contributed positively to 4.21 percentage points.
- Non-ferrous metal ores contributed positively to 2.34 percentage points

On an annual basis, the main contributors to the index change of first quarter 2017 (22.72%) are:

- Non-ferrous metal ores contributed positively to 12.79 percentage points

- Coffee products contributed positively to 7.53 percentage points.
- Tea products contributed positively to 2.24 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 data for Mining, Manufacturing and Energy, and it will continue to be published quarterly, about 8 weeks following the quarter under review.

Over time the PPI will gradually be expanded to include other production sectors such as transportation, telecommunications, agriculture, and services. Expansion of PPI coverage depends upon the availability of data that could be used to derive weights.

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 (June 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 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.

LVL	Annex 1: PPI, All Rwanda	Weights	Index (December 2010=100)						Monthly Contribution			Quarterly Contribution	Annual Contribution		
Index			Dec-16	Jan-17	Feb-17	Mar-17	Q1 2016	Q4 2016	Q1 2017	Jan-17	Feb-17	Mar-17	Q1 2017	Q1 2017	
AGG	ID	ISIC rev. 4 Description													
1	R	Rwanda	1000	121.22	122.37	123.51	122.82	110.41	119.23	122.90	0.95	0.93	-0.56	3.08	11.32
2	R	RB Mining and quarrying	96	119.04	123.07	119.60	119.63	82.09	115.81	120.77	0.23	-0.30	0.00	0.37	3.76
4	RB	RB07 Mining of metal ores	96	119.04	123.07	119.60	119.63	82.09	115.81	120.77	0.23	-0.30	0.00	0.37	3.76
5	RB07	RB072 Mining of non-ferrous metal ores	96	119.04	123.07	119.60	119.63	82.09	115.81	120.77	0.23	-0.30	0.00	0.37	3.76
2	R	RC Manufacturing	714	122.13	125.45	127.38	126.37	110.83	119.79	126.40	1.39	1.23	-0.56	3.56	8.34
4	RC	RC10 Manufacture of food products	376	126.64	132.85	132.82	130.36	107.99	122.47	132.01	1.46	-0.01	-0.87	2.86	7.01
5	RC10	RC105 Manufacture of dairy products	11	98.36	98.42	98.42	98.42	87.05	89.78	98.42	0.00	0.00	0.00	0.12	0.13
5	RC10	RC106 Manufacture of grain mill products	42	89.15	89.74	89.88	90.07	96.18	89.82	89.89	0.02	0.00	0.01	0.00	-0.26
5	RC10	RC107 Manufacture of other food products	299	132.45	139.72	139.43	136.50	110.45	128.00	138.55	1.43	-0.01	-0.88	2.73	7.13
6	RC10	RC1071 Manufacture of bakery products	6	147.02	147.02	147.02	147.02	148.96	147.04	147.02	0.00	0.00	0.00	0.00	-0.01
6	RC10	RC1072 Manufacture of sugar	148	139.87	144.14	142.83	144.36	103.93	131.19	143.78	0.39	-0.05	0.20	1.60	5.06
6	RC10	RC1079 Manufacture of other food products n.e.c. (coffee and tea)	146	124.04	134.30	135.28	127.44	114.17	123.75	132.34	1.04	0.04	-1.08	1.14	2.07
8	RC10	RC107980 Manufacture of coffee products	66	95.34	108.83	109.11	109.39	77.57	111.03	109.11	0.96	0.00	0.03	-0.21	1.60
8	RC10	RC107990 Manufacture of tea products	80	146.40	147.87	151.04	138.11	132.54	133.36	145.67	0.08	0.03	-1.11	1.34	0.48
4	RC	RC11 Manufacture of beverages	174	120.79	120.47	127.47	127.48	119.77	120.79	125.14	-0.04	1.17	0.00	0.61	0.65
4	RC	RC18 Printing and reproduction of recorded media	19	110.98	112.07	117.57	121.31	106.44	110.98	116.98	0.01	0.11	0.07	0.10	0.16
4	RC	RC20 Manufacture of chemicals and chemical products	29	114.64	115.95	116.19	116.28	111.96	114.58	116.14	0.03	0.01	0.00	0.04	0.09
4	RC	RC23 Manufacture of other non-metallic mineral products	31	110.33	110.00	110.00	110.00	100.76	110.20	110.00	-0.01	0.00	0.00	-0.01	0.24
4	RC	RC25 Manufacture of fabricated metal products, except machinery and equipment	29	109.92	107.74	106.28	112.94	106.59	109.62	108.99	-0.05	-0.05	0.23	-0.02	0.06
2	R	RD Electricity, gas, steam and air conditioning supply	58	143.07	119.74	119.74	119.74	143.07	143.07	119.74	-0.67	0.00	0.00	-0.85	-0.78
2	R	RE Water supply; sewerage, waste management and remediation activities	129	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00
2	R	RJ Information and communication	3	191.87	191.87	191.87	191.87	191.60	191.87	191.87	0.00	0.00	0.00	0.00	0.00

Source: NISR

LVL Annex 1: PPI, Local products			Weights	Index (December 2010=100)							Monthly Contribution			Quarterly Contribution	Annual Contribution
AGG	Index ID	ISIC rev. 4 Description		Dec-16	Jan-17	Feb-17	Mar-17	Q1 2016	Q4 2016	Q1 2017	Jan-17	Feb-17	Mar-17	Q1 2017	Q1 2017
1	R	Rwanda	1000	119.89	118.83	120.45	121.20	111.33	117.75	120.16	-0.85	1.36	0.63	0.68	2.62
2	R	Manufacturing	749	120.25	121.71	123.82	124.74	108.63	117.38	123.42	-1.20	1.36	0.63	0.86	3.11
4	RC	Manufacture of food products	305	128.40	131.94	131.24	132.29	103.41	121.68	131.82	-1.24	-0.18	0.27	0.76	2.52
5	RC10	Manufacture of dairy products	14	98.36	98.42	98.42	98.42	87.05	89.78	98.42	0.00	0.00	0.00	0.08	0.11
5	RC10	Manufacture of grain mill products	55	89.15	89.74	89.88	90.07	96.18	89.82	89.89	-0.12	0.01	0.01	0.00	-0.22
5	RC10	Manufacture of other food products	203	140.15	144.25	142.98	144.46	106.28	131.87	143.90	-1.12	-0.19	0.25	0.68	2.62
6	RC10C1072	Manufacture of sugar	196	139.87	144.14	142.83	144.36	103.93	131.19	143.78	-1.12	-0.19	0.25	0.68	2.63
4	RC	Manufacture of beverages	231	120.79	120.47	127.47	127.48	119.77	120.79	125.14	0.01	1.46	0.00	0.09	0.31
4	RC	Printing and reproduction of recorded media	25	110.98	112.07	117.57	121.31	106.44	110.98	116.98	-0.01	0.13	0.09	0.02	0.07
4	RC	Manufacture of chemicals and chemical products	35	114.20	114.25	114.25	114.25	112.14	114.20	114.25	0.00	0.00	0.00	0.00	0.02
4	RC	Manufacture of other non-metallic mineral products	42	110.33	110.00	110.00	110.00	100.76	110.20	110.00	0.00	0.00	0.00	0.00	0.11
4	RC	Manufacture of fabricated metal products, except machinery and equipment	39	109.92	107.74	106.28	112.94	106.59	109.62	108.99	0.02	-0.06	0.27	0.00	0.03
2	R	Electricity, gas, steam and air conditioning supply	76	143.07	119.74	119.74	119.74	143.07	143.07	119.74	0.35	0.00	0.00	-0.18	-0.49
2	R	Water supply; sewerage, waste management and remediation activities	171	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00
2	R	Information and communication	4	191.87	191.87	191.87	191.87	191.60	191.87	191.87	0.00	0.00	0.00	0.00	0.00

Source: NISR

Annex 3: PPI, Export products			Weights	Index (December 2010=100)						Contribution to Monthly change			Contribution Quarterly change	Contribution to annual change		
LVL	AGG	Index ID	ISIC rev. 4 Description	Dec-16	Jan-17	Feb-17	Mar-17	Q1 2016	Q4 2016	Q1 2017	Jan-17	Feb-17	Mar-17	Q1 2017	Q1 2017	
1	R		Exports	1000	122.14	129.97	129.31	124.63	104.28	120.63	127.97	6.41	-0.50	-3.62	6.09	22.72
			Mining of other non-ferrous													
6	RB072	RB0729	metal ores	393	119.04	123.07	119.60	119.63	82.09	115.81	120.77	1.53	-1.68	0.01	2.34	12.79
			Manufacture of coffee products	268	95.34	108.83	109.11	109.39	77.57	111.03	109.11	4.36	0.10	0.09	-0.65	
8	RC107C	107980	Manufacture of tea products	328	146.40	147.87	151.04	138.11	132.54	133.36	145.67	0.38	1.07	-3.74	4.21	7.53
8	RC107C	107990	Manufacture of other chemical	10	119.17	133.47	134.07	134.92	109.87	118.55	134.15	0.14	0.01	0.01	0.18	2.24
6	RC202	RC2029	products n.e.c.												0.15	

Source: NISR

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