



REPUBLIC OF RWANDA



PRODUCER PRICE INDEX (PPI)

SECOND QUARTER 2016

AUGUST 2016

1. SUMMARY

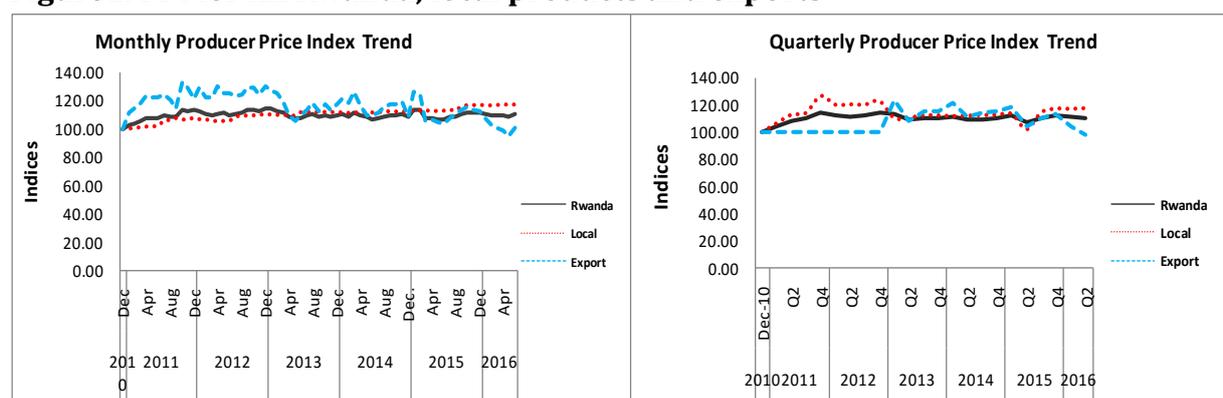
- The annual change in PPI for all Rwanda, second quarter 2016, is 2.58 percent
- The annual change in PPI for local products, second quarter 2016, is 3.96 percent
- The annual change in PPI for exports, second quarter 2016, is -6.31 percent
- The quarterly change in PPI for all Rwanda, second quarter 2016, is -0.29 percent
- The quarterly change in PPI for local products, second quarter 2016, is 0.41 percent
- The quarterly change in PPI for exports, second quarter 2016, is -5.65 percent

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

	Quarterly change (Q2.16-Q1.16)	Annual change (Q2.16-Q2.15)
PPI for All Rwanda	-0.29	2.58
PPI for local products	0.41	3.96
PPI for export products	-5.65	-6.31

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

	2016			
	April	May	June	Q2
Monthly change	0.05	-1.02	1.31	
Quartely change				-0.29
Annual change	2.02	2.18	3.55	2.58

Source: NISR

As the table 2 shows, on a monthly basis, in April the index increased by 0.05 percent, in May 2016, the index decreased by 1.02 percent, while the index for June 2016 increased by 1.31 percent.

On a quarterly basis, the index for the second quarter 2016 decreased by 0.29 percent.

On an annual basis, the index for the second quarter 2016 increased by 2.58 percent.

Main contributors to change

On a monthly basis,

In April 2016 (0.05%):

- Non-ferrous metal ores contributed positively by 0.09 percentage points
- Manufacturing contributed negatively by 0.04 percentage points of which food products contributed negatively by 0.06, beverages contributed positively by 0.01 percentage points

In May 2016 (-1.02%):

- Manufacturing contributed negatively by 0.64 percentage points of which food products contributed negatively by 0.62 percentage points
- Non-ferrous metal ores contributed negatively by 0.38 percentage points.

In June 2016 (1.31%)

- Non-ferrous metal ores contributed positively by 0.80 percentage points
- Manufacturing contributed positively by 0.51 percentage points of which food products contributed positively by 0.46 percentage points, and metal products, except machinery and equipment contributed positively by 0.05 percentage points.

On a quarterly basis, the main contributors to the index change of the second quarter 2016 (-0.29%) are:

- Non-ferrous metal ores contributed negatively by 0.81 percentage points
- Manufacturing contributed positively by 0.52 percentage points of which food products contributed positively by 0.61 percentage points, and beverages contributed negatively by 0.05 percentage points.

On an annual basis, the main contributors to the index change of the second quarter 2016 (2.58%) are:

- Electricity, gas, steam and air conditioning supply contributed positively by 1.67 percentage points
- Manufacturing contributed positively by 1.22 percentage points of which food products contributed positively by 1.09, and beverages contributed positively by 0.14 percentage points
- Non-ferrous metal ores contributed negatively by 0.31 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

	2016			Q2
	April	May	June	
Monthly change	0.39	-0.23	0.19	
Quartely change				0.41
Annual change	4.12	3.87	3.90	3.96

Source: NISR

As the table 3 shows, on a monthly basis, in April the index increased by 0.39, in May the index decreased by 0.23, while in June 2016 the index increased by 0.19 percent.

On a quarterly basis, the index for the second quarter 2016 increased by 0.41 percent. On an annual basis, the index for the second quarter 2016 increased by 3.96 percent.

Main contributors to change

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

In April 2016 (0.39%):

- Beverages contributed positively by 0.19 percentage points
- Food products contributed positively by 0.07 percentage points of which other food products (mainly sugar) contributed positively by 0.06 percentage points, dairy products contributed positively by 0.05 percentage points, and grain mill products contributed negatively by 0.07 percentage points
- Non-metallic mineral products n.e.c. contributed negatively by 0.04 percentage points

In May 2016 (-0.23%):

- Food products contributed negatively by 0.18 percentage points of which grain mill product contributed negatively by 0.15 percentage points
- Fabricated metal products, except machinery and equipment contributed negatively by 0.06 percentage points

In June 2016 (0.19%):

- Fabricated metal products, except machinery and equipment contributed positively by 0.13 percentage points
- Printing and service activities related to printing contributed positively by 0.03 percentage points

On a quarterly basis, the main contributors to the index change (0.41%):

- Beverages contributed positively by 0.20 percentage points
- Batteries and accumulators contributed positively by 0.07 percentage points
- Food products contributed positively by 0.04 percentage points of which grain mill products contributed positively by 0.12 percentage points, and other food products (mainly sugar) contributed negatively by 0.06 percentage points
- Non-metallic mineral products n.e.c. contributed positively by 0.04 percentage points

On an annual basis, the main contributors to the index change (3.96%):

- Electric power generation, transmission and distribution contributed positively by 3.08 percentage points
- Food products contributed positively by 0.66 percentage points of which other food products (mainly sugar) contributed positively by 1.01 percentage points, and grain mill products contributed negatively by 0.37 percentage points
- Beverages contributed positively by 0.25 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

	2016			
	April	May	June	Q2
Monthly change	-2.23	-4.09	5.97	
Quarterly change				-5.65
Annual change	-6.89	-8.89	-3.12	-6.31

Source: NISR

The table 4 shows that on a monthly basis, in April, May 2016 the index decreased by 2.23 and 4.09 percent respectively, while in June 2016 the index increased by 5.97 percent.

On a quarterly basis, the index for the second quarter 2016 decreased by 5.65 percent. On an annual basis, the index for the second quarter 2016 decreased by 6.31 percent.

Main contributors to change

On a monthly basis,

In April 2016 (-2.23%):

- Non-ferrous metal ores contributed negatively by 3.62 percentage points
- Coffee products contributed negatively by 2.41 percentage points
- Tea products contributed positively by 3.82 percentage points

In May 2016 (-4.09%):

- Non-ferrous metal ores contributed negatively by 2.85 percentage points
- Tea products contributed negatively by 2.59 percentage points
- Coffee products contributed positively by 1.25 percentage points

In June 2016 (5.97 %):

- Non-ferrous metal ores contributed positively by 3.00 percentage points
- Coffee products contributed positively by 2.55 percentage points

On a quarterly basis, the main contributors to the index change of the second quarter 2016 (-5.65 %) are:

- Non-ferrous metal ores contributed negatively by 33.93 percentage points
- Tea products contributed positively by 28.28 percentage points

On an annual basis, the main contributors to the index change of second quarter 2016 (-6.31 %) are:

- Coffee products contributed negatively by 4.78 percentage points
- Tea products contributed negatively by 0.98 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.

Annex 1: PPI, All Rwanda			Weights	Index (December 2010=100)						Monthly Contribution			Quarterly Contribution	Annual Contribution	
LVL AGG	Index ID	ISIC rev. 4 Description		Mar-16	Apr-16	May-16	Jun-16	Q2 2015	Q1 2016	Q2 2016	April	May	June	Q2 2016	Q2 2016
1	R	Rwanda	1000	110.27	110.33	109.21	110.63	107.29	110.38	110.06	0.05	-1.02	1.31	-0.29	2.58
2 R	RB	Mining and quarrying	96	88.24	94.88	91.09	99.77	97.36	82.09	95.24	0.09	-0.38	0.80	-0.81	-0.31
4 RB	RB07	Mining of metal ores	96	88.24	94.88	91.09	99.77	97.36	82.09	95.24	0.09	-0.38	0.80	-0.81	-0.31
5 RB07	RB072	Mining of non-ferrous metal ores	96	88.24	94.88	91.09	99.77	97.36	82.09	95.24	0.09	-0.38	0.80	-0.81	-0.31
6 RB072	RB0729	Mining of other non-ferrous metal ores	96	88.24	94.88	91.09	99.77	97.36	82.09	95.24	0.09	-0.38	0.80	-0.81	-0.31
2 R	RC	Manufacturing	714	110.12	109.63	108.63	109.52	109.52	110.79	109.26	-0.04	-0.64	0.51	0.52	1.22
4 RC	RC10	Manufacture of food products	376	100.05	104.99	102.99	104.53	102.06	107.99	104.17	-0.06	-0.62	0.46	0.61	1.09
5 RC10	RC101	Processing and preserving of meat	23	100.05	100.05	100.05	100.05	100.05	100.05	100.05	0.00	0.00	0.00	0.00	0.00
6 RC101	RC1010	Processing and preserving of meat	23	87.05	100.05	100.05	100.05	100.05	100.05	100.05	0.00	0.00	0.00	0.00	0.00
5 RC10	RC105	Manufacture of dairy products	11	87.05	87.74	87.74	87.74	87.05	87.05	87.74	0.00	0.00	0.00	0.00	0.01
6 RC105	RC1050	Manufacture of dairy products	11	95.92	87.74	87.74	87.74	87.05	87.05	87.74	0.00	0.00	0.00	0.00	0.01
5 RC10	RC106	Manufacture of grain mill products	42	95.92	95.62	93.23	93.09	96.29	96.18	93.98	0.00	-0.09	-0.01	0.05	-0.15
6 RC106	RC1061	Manufacture of grain mill products	42	107.38	95.62	93.23	93.09	96.29	96.18	93.98	0.00	-0.09	-0.01	0.05	-0.15
6 RC107	RC1072	Manufacture of sugar	148	109.27	109.61	108.78	108.98	93.83	103.93	109.13	0.03	-0.08	0.02	-0.39	2.55
6 RC107	RC1079	Manufacture of other food products n.e.c. (coffee and tea)	146	107.92	101.47	97.33	101.26	109.79	114.17	100.02	-0.09	-0.45	0.45	0.96	-1.37
4 RC	RC11	Manufacture of beverages	174	107.92	120.32	120.33	120.33	119.63	119.63	120.32	0.01	0.00	0.00	-0.05	0.14
6 RC110	RC1103	Manufacture of malt liquors and malt	169	107.92	120.73	120.73	120.73	120.02	120.02	120.73	0.01	0.00	0.00	-0.05	0.14
4 RC	RC18	Printing and reproduction of recorded media	19	106.54	107.19	107.19	107.89	103.15	106.44	107.43	0.00	0.00	0.01	-0.01	0.11
5 RC18	RC181	Printing and service activities related to printing	19	106.54	107.19	107.19	107.89	103.15	106.44	107.43	0.00	0.00	0.01	-0.01	0.11
6 RC181	RC1810	Printing and service activities related to printing (to combine 1811 and 1812)	19	106.54	107.19	107.19	107.89	103.15	106.44	107.43	0.00	0.00	0.01	-0.01	0.11
4 RC	RC22	Manufacture of rubber and plastics products	11	163.52	164.21	164.22	164.24	166.80	163.50	164.22	0.00	0.00	0.00	0.00	-0.02
4 RC	RC23	Manufacture of other non-metallic mineral products	31	100.77	101.47	101.48	101.49	104.29	100.76	101.48	0.00	0.00	0.00	-0.01	-0.12
5 RC23	RC239	Manufacture of non-metallic mineral products n.e.c.	31	100.77	101.47	101.48	101.49	104.29	100.76	101.48	0.00	0.00	0.00	-0.01	-0.12
6 RC239	RC2390	Manufacture of non-metallic mineral products n.e.c.	31	100.77	101.47	101.48	101.49	104.29	100.76	101.48	0.00	0.00	0.00	-0.01	-0.12
4 RC	RC25	Manufacture of fabricated metal products, except machinery and equipment	29	106.89	107.10	105.87	107.93	109.32	106.59	106.97	0.00	-0.03	0.05	0.00	-0.09
5 RC25	RC250	Manufacture of fabricated metal products, except machinery and equipment	29	106.89	107.10	105.87	107.93	109.32	106.59	106.97	0.00	-0.03	0.05	0.00	-0.09
6 RC250	RC2500	Manufacture of fabricated metal products, except machinery and equipment	29	106.89	107.10	105.87	107.93	109.32	106.59	106.97	0.00	-0.03	0.05	0.00	-0.09
2 R	RD	Electricity, gas, steam and air conditioning supply	58	143.07	143.07	143.07	143.07	119.79	143.07	143.07	0.00	0.00	0.00	0.00	1.67
4 RD	RD35	Electricity, gas, steam and air conditioning supply	58	143.07	143.07	143.07	143.07	119.79	143.07	143.07	0.00	0.00	0.00	0.00	1.67
5 RD35	RD351	Electric power generation, transmission and distribution	58	143.07	143.07	143.07	143.07	119.79	143.07	143.07	0.00	0.00	0.00	0.00	1.67
6 RD351	RD3510	Electric power generation, transmission and distribution	58	143.07	143.07	143.07	143.07	119.79	143.07	143.07	0.00	0.00	0.00	0.00	1.67
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
4 RE	RE36	Water collection, treatment and supply	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
5 RE36	RE360	Water collection, treatment and supply	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
6 RE360	RE3600	Water collection, treatment and supply	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

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	Weights	Mar-16	Apr-16	May-16	Jun-16	Q2 2015	Q1 2016	Q2 2016	April	May	June	Q2 2016	Q2 2016
1	R	Rwanda	1000	117.17	117.63	117.36	117.58	113.04	117.04	117.52	0.39	-0.23	0.19	0.41	3.96
2	R	Manufacturing	842	111.73	112.31	112.00	112.23	111.28	111.57	112.18	0.39	-0.23	0.18	0.41	0.88
4	RC	RC10 Manufacture of food products	169	104.04	104.55	103.20	103.30	100.27	103.39	103.68	0.07	-0.18	0.02	0.04	0.66
5	RC10	RC105 Manufacture of dairy products	23	87.05	87.74	87.74	87.74	87.05	87.05	87.74	0.05	0.00	0.00	-0.01	0.03
6	RC105	RC1050 Manufacture of dairy products	23	87.05	87.74	87.74	87.74	87.05	87.05	87.74	0.05	0.00	0.00	-0.01	0.03
5	RC10	RC106 Manufacture of grain mill products	90	95.92	95.62	93.23	93.09	96.29	96.18	93.98	-0.07	-0.15	0.05	0.12	-0.37
6	RC106	RC1061 Manufacture of grain mill products	90	95.92	95.62	93.23	93.09	96.29	96.18	93.98	-0.07	-0.15	0.05	0.12	-0.37
5	RC10	RC107 Manufacture of other food products	47	120.92	121.57	120.76	120.96	107.91	118.74	121.10	0.06	-0.02	-0.03	-0.06	1.01
6	RC107	RC1071 Manufacture of bakery products	12	148.96	147.57	147.57	147.57	136.88	148.96	147.57	-0.01	0.00	0.00	0.00	0.14
6	RC107	RC1072 Manufacture of sugar	36	107.38	109.61	108.78	108.98	93.83	103.93	109.13	0.07	-0.02	-0.03	-0.06	0.87
4	RC	RC11 Manufacture of beverages	374	119.63	120.32	120.33	120.33	119.63	119.63	120.32	0.19	0.00	0.00	0.20	0.25
5	RC11	RC110 Manufacture of beverages	374	119.63	120.32	120.33	120.33	119.63	119.63	120.32	0.19	0.00	0.00	0.20	0.25
6	RC110	RC1103 Manufacture of malt liquors and malt	362	120.02	120.73	120.73	120.73	120.02	120.02	120.73	0.19	0.00	0.00	0.20	0.25
4	RC	RC18 Printing and reproduction of recorded media	40	106.54	107.19	107.19	107.89	103.15	106.44	107.43	0.02	0.00	0.03	0.03	0.19
5	RC18	RC181 Printing and service activities related to printing	40	106.54	107.19	107.19	107.89	103.15	106.44	107.43	0.02	0.00	0.03	0.03	0.19
6	RC181	RC1810 Printing and service activities related to printing (to combine 1811 and 1812)	40	106.54	107.19	107.19	107.89	103.15	106.44	107.43	0.02	0.00	0.03	0.03	0.19
4	RC	RC20 Manufacture of chemicals and chemical products	57	112.14	112.14	112.14	112.14	111.69	112.14	112.14	0.00	0.00	0.00	0.00	0.03
5	RC20	RC202 Manufacture of other chemical products	57	112.14	112.14	112.14	112.14	111.69	112.14	112.14	0.00	0.00	0.00	0.00	0.03
6	RC202	RC2022 Manufacture of paints, varnishes and similar coatings, printing ink and mastics	18	96.88	96.88	96.88	96.88	100.74	96.88	96.88	0.00	0.00	0.00	0.00	0.24
4	RC	RC23 Manufacture of other non-metallic mineral products	67	100.77	101.47	101.48	101.49	104.29	100.76	101.48	0.04	0.00	0.00	0.04	-0.21
5	RC23	RC239 Manufacture of non-metallic mineral products n.e.c.	67	100.77	101.47	101.48	101.49	104.29	100.76	101.48	0.04	0.00	0.00	0.04	-0.21
6	RC239	RC2390 Manufacture of non-metallic mineral products n.e.c.	67	100.77	101.47	101.48	101.49	104.29	100.76	101.48	0.04	0.00	0.00	0.04	-0.21
4	RC	RC25 Manufacture of fabricated metal products, except machinery and equipment	63	106.89	107.10	105.87	107.93	109.32	106.59	106.97	0.01	-0.06	0.13	0.02	-0.15
5	RC25	RC250 Manufacture of fabricated metal products, except machinery and equipment	63	106.89	107.10	105.87	107.93	109.32	106.59	106.97	0.01	-0.06	0.13	0.02	-0.15
6	RC250	RC2500 Manufacture of fabricated metal products, except machinery and equipment	63	106.89	107.10	105.87	107.93	109.32	106.59	106.97	0.01	-0.06	0.13	0.02	-0.15
4	RC	RC27 Manufacture of electrical equipment	3	102.63	131.58	131.58	131.58	102.63	102.63	131.58	0.07	0.00	0.00	0.07	0.09
5	RC27	RC272 Manufacture of batteries and accumulators	3	102.63	131.58	131.58	131.58	102.63	102.63	131.58	0.07	0.00	0.00	0.07	0.09
6	RC272	RC2720 Manufacture of batteries and accumulators	3	102.63	131.58	131.58	131.58	102.63	102.63	131.58	0.07	0.00	0.00	0.07	0.09
4	RC	RC31 Manufacture of furniture	18	108.90	107.97	107.97	107.97	109.11	108.90	107.97	-0.01	0.00	0.00	-0.01	-0.02
5	RC31	RC310 Manufacture of furniture	18	108.90	107.97	107.97	107.97	109.11	108.90	107.97	-0.01	0.00	0.00	-0.01	-0.02
6	RC310	RC3100 Manufacture of furniture	18	108.90	107.97	107.97	107.97	109.11	108.90	107.97	-0.01	0.00	0.00	-0.01	-0.02
2	R	RD Electricity, gas, steam and air conditioning supply	123	143.07	143.07	143.07	143.07	119.79	143.07	143.07	0.00	0.00	0.00	0.00	3.08
4	RD	RD35 Electricity, gas, steam and air conditioning supply	123	143.07	143.07	143.07	143.07	119.79	143.07	143.07	0.00	0.00	0.00	0.00	3.08
5	RD35	RD351 Electric power generation, transmission and distribution	123	143.07	143.07	143.07	143.07	119.79	143.07	143.07	0.00	0.00	0.00	0.00	3.08
6	RD351	RD3510 Electric power generation, transmission and distribution	123	143.07	143.07	143.07	143.07	119.79	143.07	143.07	0.00	0.00	0.00	0.00	3.08

Source: NISR

Annex 3: PPI, Export products			Weights	Index (December 2010=100)						Monthly Contribution		Quarterly Contribution	Annual Contribution			
LVL	AGG	Index ID	ISIC rev. 4 Description	Mar-16	Apr-16	May-16	Jun-16	Q2 2015	Q1 2016	Q2 2016	Apr-16	May-16	Jun-16	Q2 2016	Q2 2016	
1	R		Exports	1000	101.45	99.19	95.13	100.82	105.00	104.28	98.38	-2.23	-4.09	5.97	-5.65	-6.31
6	RB072	RB0729	Mining of other non-ferrous metal ores	393	88.24	94.88	91.09	99.77	97.36	82.09	95.24	-3.62	-2.85	3.00	-33.93	-0.64
8	RC1079	RC107980	Manufacture of coffee products	268	68.23	73.24	75.12	84.04	101.65	77.57	77.47	-2.41	1.25	2.55	0.20	-4.78
8	RC1079	RC107990	Manufacture of tea products	328	125.96	113.98	109.00	110.97	115.94	132.54	111.32	3.82	-2.59	0.47	28.28	-0.98
6	RC202	RC2029	Manufacture of other chemical products n.e.c.	10	110.91	112.10	118.37	111.59	101.15	109.87	114.02	-0.01	0.10	-0.05	-0.20	0.09

Source: NISR

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