

## PRODUCER PRICE INDEX - MANUFACTURING (PPI-M)

2nd Quarter 2019

(Base year: 2013 =100)

### 1. Introduction

The Producer Price Index of the Manufacturing sector (PPI-M) measures pure price changes in the effective prices received by producers for that part of their output, which is sold on the domestic market (in Mauritian rupees) and therefore excludes Export Oriented Enterprises.

This issue of the Economic and Social Indicators (ESI) presents a series of monthly PPI-M for the period July 2018 to June 2019 and quarterly indices from the third quarter of 2017 to the second quarter of 2019. The weights for the PPI-M have been derived from the results of the 2013 Census of Economic Activities. To facilitate analysis, chain-linked indices with base year 2013 for the period January 2010 to June 2019 are given in tables 4(a), 4(b), 4(c) and 4(d).

Indices prior to July 2018 are posted on Statistics Mauritius website in the historical series of manufacturing statistics:

<http://statsmauritius.govmu.org/English/StatsbySubj/Pages/Manufacturing.aspx>

The methodology used for the computation of PPI-M is annexed.

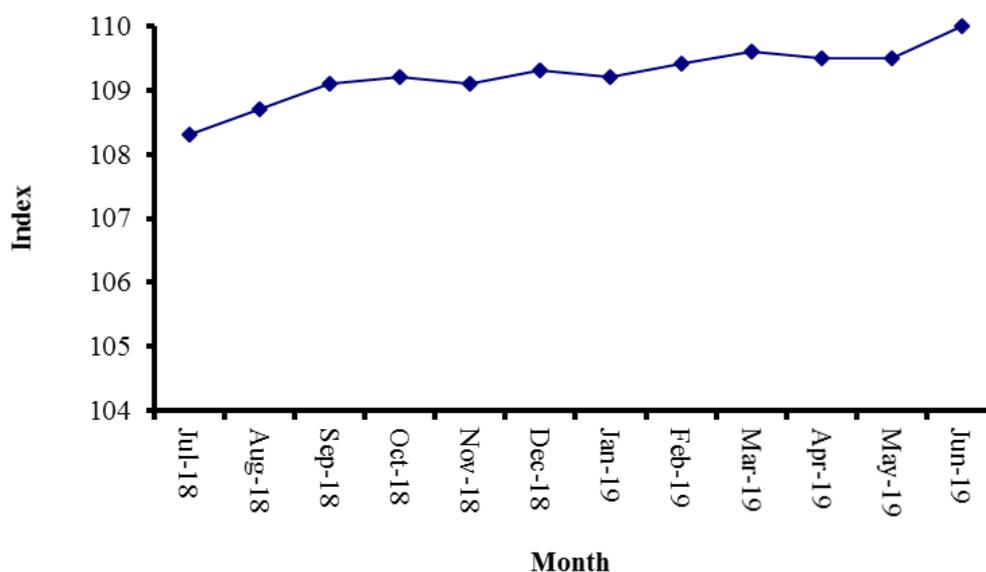
### 2. Changes during second quarter 2019

#### 2.1 Manufacturing Sector

The Producer Price Index for the manufacturing sector registered an increase of 0.4 point (+0.4%) from 109.6 in March 2019 to 110.0 in June 2019. The main reason for the net increase was higher prices of “Other products” (+8.3%), “Wearing apparel” (+2.1%) and “Food products and beverages” (+0.1%).

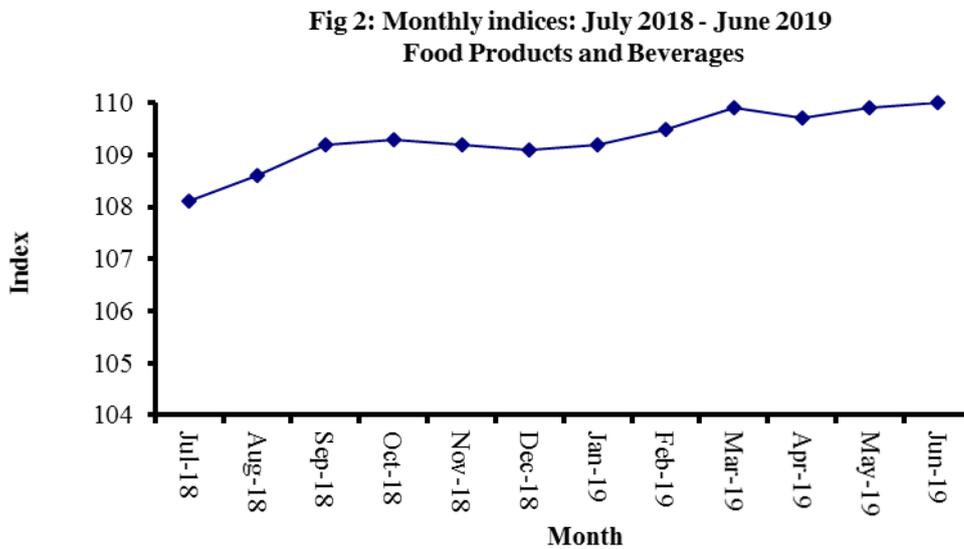
On a monthly basis, the PPI-M decreased by 0.1 point (-0.1%) in April 2019, remained unchanged in May 2019 and increased by 0.5 point (+0.5%) in June 2019 (Table 1a).

Fig 1: Overall monthly indices: July 2018 - June 2019  
Manufacturing Sector



## 2.2 Manufacture of Food Products and Beverages

The Producer Price Index for “Food products and beverages”, which accounts for 55.2% of the total weight, registered a net increase of 0.1 point (+0.1%) from 109.9 in March 2019 to 110.0 in June 2019. This increase was mainly attributable to higher prices of “Grain mill products” (+2.2%) and “Other food products n.e.c” (+1.6%) of which “Tea” (+8.4%), partly offset by a decrease in the prices of “Vegetable and animal oils and fats” (-6.9%).



On a monthly basis, the index for this activity group decreased by 0.2 point (-0.2%) in April, increased by 0.2 point (+0.2%) and 0.1 point (+0.1%) in May and June respectively.

## 3. Change in quarterly PPI-M

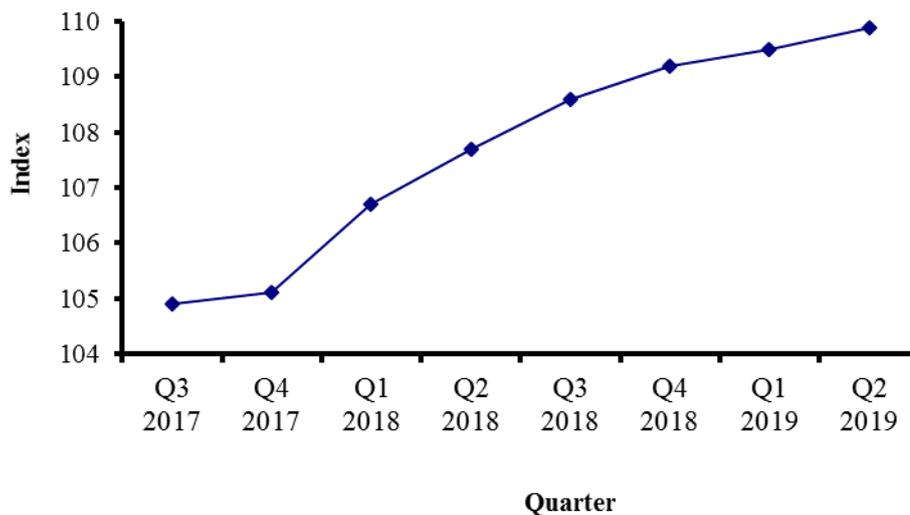
### 3.1 Manufacturing Sector



The average PPI-M for the second quarter of 2019 stood at 109.7, i.e an increase of 0.3 point (+0.3%) from 109.4 in the first quarter of 2019 (Table 2a). Compared to the corresponding quarter of 2018, the average PPI-M for the second quarter of 2019 increased by 1.7 points (+1.6%), mainly explained by higher prices of “Food products and beverages” (+2.0%).

### 3.2 Manufacture of Food Products and Beverages

**Fig 4: Quarterly indices:  
3<sup>rd</sup> Quarter 2017 to 2<sup>nd</sup> Quarter 2019  
Food Products and Beverages**



Compared to the previous quarter, the index for “Food products and beverages” increased by 0.4 point (+0.4%) in the second quarter of 2019. The index for “Food products” increased by 0.5 point (+0.5%), mainly explained by higher prices of “Grain mill products” (+5.8%) and “Other food products n.e.c” (+1.9%) of which “Tea” (+8.4%), partly offset by a decrease in the prices of “Vegetable and animal oils and fats” (-6.9%).

When compared to the second quarter of 2018, the index for “Food products and beverages” increased by 2.2 points (+2.0%) mainly due to higher prices of “Grain mill products” (+7.8%), “Other food products n.e.c” (+5.4%) of which “Tea” (+29.3%), “Animal feed” (+4.4%), “Wines” (+3.8%), “Processing and preserving of meat” (+2.7%), “Distilled potable alcoholic beverages” (+2.7%) and “Malt liquors and malt including non alcoholic beer” (+1.6%), partly offset by lower prices of “Vegetable and animal oils and fats” (-10.7%).

## 4. Yearly Index

The average yearly index for the manufacturing sector as a whole was 108.3 in 2018, i.e. 3.3 points (+3.1%) higher than the figure of 105.0 in 2017. The index for the manufacture of food products and beverages was 108.1 in 2018 compared to 104.5 in 2017, i.e. an increase of 3.6 points (+3.4%). The index for the manufacture of chemicals and chemical products stood at

110.1 in 2018, higher by 3.5 points (+3.3%) compared to 106.6 in 2017. The index for Manufacture of Rubber and plastic products increased from 110.6 in 2017 to 111.3 in 2018, representing an increase of 0.7 point (+0.6%).

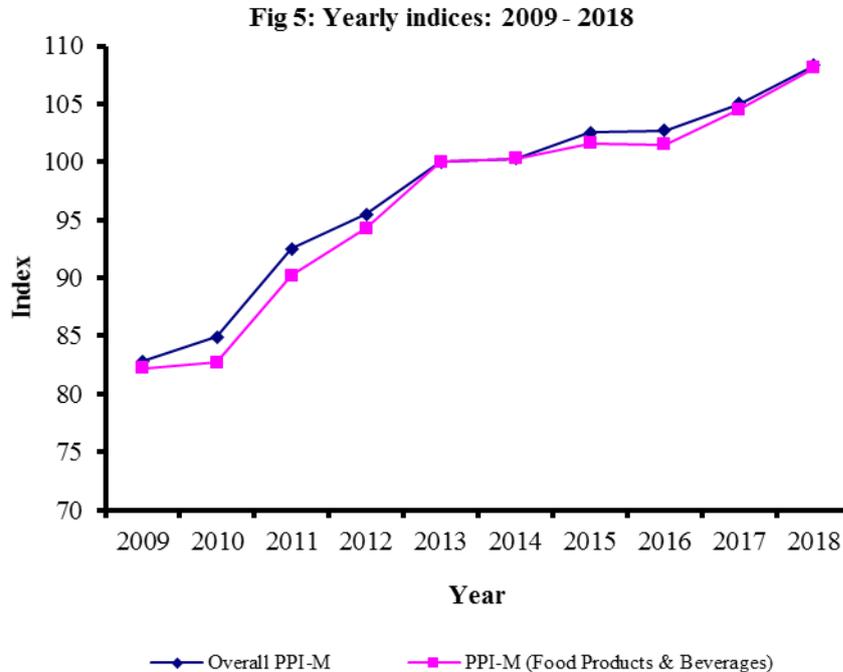


Figure 5 shows that the yearly index for the manufacturing sector as a whole increased slightly in 2010 and that for manufacture of food products and beverages remained nearly unchanged for the same period. A steady rise is then noted from 2010 to 2013. In the year 2014 the indices remained nearly constant and then picked up slightly in 2015 which remained nearly unaltered in 2016 and then rose in 2017 and 2018.

## Statistics Mauritius

Ministry of Finance and Economic Development

Port Louis

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### Contact Persons:

Mr. R. Ajodhea  
Statistician  
[rajodhea@govmu.org](mailto:rajodhea@govmu.org)

Mr. J. Sowdagur  
Senior Statistical Officer  
[jasowdagur@govmu.org](mailto:jasowdagur@govmu.org)

Statistics Mauritius  
L.I.C Centre  
J. Kennedy Street  
Port Louis

Telephone: (230) 208 1800  
Fax: (230) 211 4150

**Table 1(a) - Monthly indices of the Manufacturing Sector by industry group, July 2018 - June 2019**

Base period: Year 2013=100

NSIC	Industry group	Weight	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Percentage change from		
															Mar 19 to Apr 19	Apr 19 to May 19	May 19 to June 19
<b>10-33</b>	<b>Total manufacturing</b>	<b>1000</b>	<b>108.3</b>	<b>108.7</b>	<b>109.1</b>	<b>109.2</b>	<b>109.1</b>	<b>109.3</b>	<b>109.2</b>	<b>109.4</b>	<b>109.6</b>	<b>109.5</b>	<b>109.5</b>	<b>110.0</b>	<b>-0.1</b>	<b>0.0</b>	<b>0.5</b>
10/11	Food products and beverages	552	108.1	108.6	109.2	109.3	109.2	109.1	109.2	109.5	109.9	109.7	109.9	110.0	-0.2	0.2	0.1
13	Textiles	6	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	106.8	0.0	0.0	3.5
14	Wearing apparel	34	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.9	121.0	121.0	121.0	123.6	0.0	0.0	2.1
15	Leather and related products	3	115.6	124.8	124.8	124.8	124.8	136.1	136.1	136.1	136.1	136.1	136.1	136.1	0.0	0.0	0.0
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	16	108.5	108.5	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	0.0	0.0	0.0
18	Printing and reproduction of recorded media	28	89.5	88.2	90.0	88.9	89.7	93.0	91.1	90.5	90.5	89.5	90.8	91.6	-1.1	1.5	0.9
20	Chemicals and chemical products	69	111.1	111.2	111.2	111.1	110.6	110.6	110.7	110.8	110.7	110.3	110.0	110.3	-0.4	-0.3	0.3
22	Rubber and plastic products	31	110.5	110.5	110.5	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	0.0	0.0	0.0
23	Other non-metallic mineral products	52	114.8	116.8	116.8	116.8	116.8	116.8	116.8	116.8	116.8	116.8	116.8	116.8	0.0	0.0	0.0
24	Basic metals	11	101.2	102.4	102.7	102.8	102.5	102.2	102.2	102.2	102.2	101.7	101.7	101.2	-0.5	0.0	-0.5
25	Fabricated metal products	76	107.5	107.5	107.8	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	0.0	0.0	0.0
27	Electrical equipment	2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	0.0	0.0	0.0
28	Machinery and equipment, n.e.c	9	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	0.0	0.0	0.0
29	Motor vehicles, trailers and semi-trailers	5	125.4	125.4	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.9	0.0	0.0	0.0
30	Other transport equipment	16	103.8	110.4	109.8	109.2	103.7	109.6	108.5	108.8	109.1	109.3	108.8	109.8	0.2	-0.5	0.9
31	Furniture	65	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	0.0	0.0	0.0
32	Other products	25	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	106.9	0.0	0.0	8.3

**Table 1(b) - Monthly indices for Manufacture of Food Products & Beverages by industry group, July 2018 - June 2019**

Base period: Year 2013=100

NSIC	Industry group	Weight	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Percentage change from		
															Mar 19 to Apr 19	Apr 19 to May 19	May 19 to June 19
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>552</b>	<b>108.1</b>	<b>108.6</b>	<b>109.2</b>	<b>109.3</b>	<b>109.2</b>	<b>109.1</b>	<b>109.2</b>	<b>109.5</b>	<b>109.9</b>	<b>109.7</b>	<b>109.9</b>	<b>110.0</b>	<b>-0.2</b>	<b>0.2</b>	<b>0.1</b>
<b>101-108</b>	<b>Food products</b>	<b>374</b>	<b>102.5</b>	<b>102.7</b>	<b>103.1</b>	<b>103.2</b>	<b>103.2</b>	<b>103.0</b>	<b>103.0</b>	<b>103.5</b>	<b>104.1</b>	<b>103.9</b>	<b>104.1</b>	<b>104.1</b>	<b>-0.2</b>	<b>0.2</b>	<b>0.0</b>
1010	Processing and preserving of meat	97	109.7	110.1	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	0.0	0.0	0.0
1020	Processing and preserving of fish, crustaceans & molluscs	3	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4	0.0	0.0	0.0
1030	Processing and preserving of fruits and vegetables	10	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.5	113.6	113.6	113.6	1.0	0.0	0.0
1040	Vegetable and animal oils and fats	30	87.6	87.6	87.6	87.6	85.3	84.0	84.0	84.0	84.0	78.2	78.2	78.2	-6.9	0.0	0.0
1050	Dairy products	16	109.5	109.5	109.5	109.5	109.5	109.5	109.6	109.6	109.6	109.6	109.6	109.6	0.0	0.0	0.0
1061	Grain mill products	54	81.1	81.3	81.1	81.5	81.6	81.0	80.6	83.6	87.6	87.9	89.0	89.5	0.3	1.3	0.6
1071	Bakery products	72	114.0	114.0	114.1	114.2	114.2	114.2	114.2	114.1	114.1	114.1	114.1	114.1	0.0	0.0	0.0
10711/ 10712	<i>Bread/Pastries and cakes</i>	69	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	0.0	0.0	0.0
10713	<i>Biscuits and other dry bakery products</i>	3	120.1	120.1	120.1	120.1	120.1	120.1	120.1	118.7	118.3	118.3	118.3	118.3	0.0	0.0	0.0
1074	Macaroni, noodles, couscous and similar farinaceous products	11	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	0.0	0.0	0.0
1075	Prepared meals and dishes	2	121.7	121.7	121.7	121.7	121.7	121.7	123.4	124.6	124.6	124.6	124.6	124.6	0.0	0.0	0.0
1079	Other food products n.e.c	34	113.8	113.8	113.9	114.3	116.2	116.2	116.4	116.9	117.2	118.9	119.1	119.1	1.5	0.2	0.0
10791	<i>Tea</i>	5	104.1	104.1	104.8	107.6	120.0	120.0	120.0	120.0	120.0	130.1	130.1	130.1	8.4	0.0	0.0
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	29	115.5	115.5	115.5	115.5	115.5	115.5	115.8	116.3	116.7	116.9	117.1	117.1	0.2	0.2	0.0
1080	Animal feed	45	89.3	89.3	91.9	91.9	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	0.0	0.0	0.0
<b>110</b>	<b>Beverages</b>	<b>178</b>	<b>119.8</b>	<b>120.9</b>	<b>122.0</b>	<b>122.1</b>	<b>121.9</b>	<b>122.0</b>	<b>122.0</b>	<b>122.0</b>	<b>122.0</b>	<b>122.0</b>	<b>122.0</b>	<b>122.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>
1101	Distilled potable alcoholic beverages	65	128.2	131.2	133.5	133.5	132.3	131.6	131.6	131.6	131.6	131.6	131.6	131.6	0.0	0.0	0.0
1102	Wines	13	128.8	128.8	132.2	133.7	133.7	133.7	133.6	133.7	133.7	133.7	133.7	133.7	0.0	0.0	0.0
1103	Malt liquors and malt including non alcoholic beer	73	113.2	113.2	113.2	113.2	113.8	114.8	114.8	114.8	114.8	114.8	114.8	115.3	0.0	0.0	0.4
1104	Soft drinks, mineral waters and other bottled waters	27	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	0.0	0.0	0.0

**Table 1(c) - Monthly indices for Manufacture of Chemicals and Chemical Products & Rubber and Plastic Products by industry group, July 2018 - June 2019**

Base period: Year 2013=100

NSIC	Industry group	Weight	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Percentage change from		
															Mar 19 to Apr 19	Apr 19 to May 19	May 19 to June 19
<b>20</b>	<b>Chemicals and chemical products</b>	<b>69</b>	<b>111.1</b>	<b>111.2</b>	<b>111.2</b>	<b>111.1</b>	<b>110.6</b>	<b>110.6</b>	<b>110.7</b>	<b>110.8</b>	<b>110.7</b>	<b>110.3</b>	<b>110.0</b>	<b>110.3</b>	<b>-0.4</b>	<b>-0.3</b>	<b>0.3</b>
2011	Basic chemicals	9	116.9	117.2	117.2	117.2	113.7	113.7	113.7	113.7	113.1	110.3	107.8	107.8	-2.5	-2.3	0.0
2012	Manufacture of fertilizers and nitrogen compounds	8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	0.0	0.0	0.0
2022	Paints, varnishes and similar coatings, printing ink and mastics	26	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	0.0	0.0	0.0
2023	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	26	111.7	111.7	111.7	111.5	111.5	111.5	111.7	111.8	111.8	111.8	111.8	112.8	0.0	0.0	0.9
<b>22</b>	<b>Rubber and plastic products</b>	<b>31</b>	<b>110.5</b>	<b>110.5</b>	<b>110.5</b>	<b>111.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>								
2211	Rubber tyres and tubes, retreading and rebuilding of rubber tyres	5	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	0.0	0.0	0.0
2220	Plastic products	26	112.1	112.2	112.2	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9	112.9	0.0	0.0	0.0

**Table 2(a) - Quarterly & yearly indices of the Manufacturing sector by industry group, 3rd Quarter 2017 - 2nd Quarter 2019**

Base period: Year 2013=100

NSIC	Industry group	Weight	2017			2018					2019	
			3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.
<b>10-33</b>	<b>Total manufacturing</b>	<b>1000</b>	<b>105.2</b>	<b>105.9</b>	<b>105.0</b>	<b>107.3</b>	<b>108.0</b>	<b>108.7</b>	<b>109.2</b>	<b>108.3</b>	<b>109.4</b>	<b>109.7</b>
10/11	Food products and beverages	552	104.9	105.1	<b>104.5</b>	106.7	107.7	108.6	109.2	<b>108.1</b>	109.5	109.9
13	Textiles	6	103.2	103.2	<b>103.2</b>	103.2	103.2	103.2	103.2	<b>103.2</b>	103.2	104.4
14	Wearing apparel	34	118.9	119.0	<b>118.9</b>	119.2	120.8	120.8	120.8	<b>120.4</b>	120.9	121.9
15	Leather and related products	3	115.6	115.6	<b>115.6</b>	115.6	115.6	121.8	128.6	<b>120.4</b>	136.1	136.1
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	16	105.0	107.0	<b>104.5</b>	107.7	108.4	108.6	108.9	<b>108.4</b>	108.9	108.9
18	Printing and reproduction of recorded media	28	93.0	91.8	<b>93.0</b>	94.6	92.0	89.2	90.5	<b>91.6</b>	90.7	90.6
20	Chemicals and chemical products	69	106.3	107.0	<b>106.6</b>	108.5	109.8	111.2	110.8	<b>110.1</b>	110.7	110.2
22	Rubber and plastic products	31	111.5	111.8	<b>110.6</b>	111.8	111.8	110.5	111.1	<b>111.3</b>	111.1	111.1
23	Other non-metallic mineral products	52	102.8	110.7	<b>104.8</b>	114.8	114.8	116.2	116.8	<b>115.7</b>	116.8	116.8
24	Basic metals	11	91.9	95.1	<b>91.3</b>	96.7	99.0	102.1	102.5	<b>100.1</b>	102.2	101.5
25	Fabricated metal products	76	106.7	107.2	<b>106.8</b>	108.5	107.7	107.6	108.2	<b>108.0</b>	108.2	108.2
27	Electrical equipment	2	98.2	98.2	<b>98.2</b>	98.2	98.2	98.2	98.2	<b>98.2</b>	98.2	98.2
28	Machinery and equipment, n.e.c	9	88.4	88.4	<b>88.4</b>	88.4	88.4	88.4	88.4	<b>88.4</b>	88.4	88.4
29	Motor vehicles, trailers and semi- trailers	5	119.3	119.7	<b>111.1</b>	123.5	125.4	126.6	128.9	<b>126.1</b>	128.9	128.9
30	Other transport equipment	16	102.7	104.3	<b>103.2</b>	99.6	103.2	108.0	107.5	<b>104.6</b>	108.8	109.3
31	Furniture	65	109.3	110.2	<b>109.3</b>	110.5	110.6	110.7	110.7	<b>110.6</b>	110.7	110.7
32	Other products	25	96.1	96.6	<b>96.0</b>	98.7	98.7	98.7	98.7	<b>98.7</b>	98.7	101.4

Table 2(b)- Quarterly & yearly indices for the Manufacturing of Food Products & Beverages by industry group, 3rd Quarter 2017 - 2nd Quarter 2019

Base period: Year 2013=100

NSIC	Industry group	Weight	2017			2018					2019	
			3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>552</b>	<b>104.9</b>	<b>105.1</b>	<b>104.5</b>	<b>106.7</b>	<b>107.7</b>	<b>108.6</b>	<b>109.2</b>	<b>108.1</b>	<b>109.5</b>	<b>109.9</b>
<b>101-108</b>	<b>Food products</b>	<b>374</b>	<b>99.1</b>	<b>99.2</b>	<b>99.4</b>	<b>100.4</b>	<b>101.9</b>	<b>102.8</b>	<b>103.1</b>	<b>102.1</b>	<b>103.5</b>	<b>104.0</b>
1010	Processing and preserving of meat	97	106.1	106.9	106.1	106.9	107.5	110.1	110.4	108.7	110.4	110.4
1020	Processing and preserving of fish, crustaceans & molluscs	3	112.4	112.4	111.2	112.4	112.4	112.4	112.4	112.4	112.4	112.4
1030	Processing and preserving of fruits and vegetables	10	110.6	110.8	110.3	110.8	110.8	112.0	112.0	111.4	112.2	113.6
1040	Vegetable and animal oils and fats	30	87.6	87.6	88.7	87.6	87.6	87.6	85.6	87.1	84.0	78.2
1050	Dairy products	16	108.6	109.2	108.6	109.4	109.5	109.5	109.5	109.5	109.6	109.6
1061	Grain mill products	54	69.8	70.2	71.8	75.9	82.4	81.2	81.4	80.2	83.9	88.8
1071	Bakery products	72	110.7	110.7	111.3	112.5	114.0	114.0	114.2	113.7	114.1	114.1
10711/ 10712	<i>Bread/Pastries and cakes</i>	69	<i>110.3</i>	<i>110.3</i>	<i>110.9</i>	<i>112.0</i>	<i>113.3</i>	<i>113.3</i>	<i>113.3</i>	<i>113.0</i>	<i>113.3</i>	<i>113.3</i>
10713	<i>Biscuits and other dry bakery products</i>	3	<i>119.8</i>	<i>119.8</i>	<i>119.8</i>	<i>120.8</i>	<i>120.1</i>	<i>120.1</i>	<i>120.1</i>	<i>120.3</i>	<i>119.0</i>	<i>118.3</i>
1074	Macaroni, noodles, couscous and similar farinaceous products	11	105.5	105.5	103.9	105.5	105.5	105.5	105.5	105.5	105.5	105.5
1075	Prepared meals and dishes	2	121.2	121.7	119.1	121.7	121.7	121.7	121.7	121.7	124.2	124.6
1079	Other food products n.e.c	34	111.7	111.6	111.0	111.8	112.9	113.8	115.6	113.5	116.8	119.0
10791	<i>Tea</i>	5	<i>93.7</i>	<i>93.7</i>	<i>88.5</i>	<i>93.7</i>	<i>100.6</i>	<i>104.3</i>	<i>115.9</i>	<i>103.6</i>	<i>120.0</i>	<i>130.1</i>
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	29	<i>115.0</i>	<i>114.9</i>	<i>115.1</i>	<i>115.1</i>	<i>115.1</i>	<i>115.5</i>	<i>115.5</i>	<i>115.3</i>	<i>116.3</i>	<i>117.0</i>
1080	Animal feed	45	89.3	88.0	89.0	88.3	88.3	90.2	91.8	89.7	92.2	92.2
<b>110</b>	<b>Beverages</b>	<b>178</b>	<b>117.3</b>	<b>117.3</b>	<b>115.2</b>	<b>119.8</b>	<b>119.8</b>	<b>120.9</b>	<b>122.0</b>	<b>120.6</b>	<b>122.0</b>	<b>122.1</b>
1101	Distilled potable alcoholic beverages	65	128.2	128.2	123.2	128.2	128.2	131.0	132.5	130.0	131.6	131.6
1102	Wines	13	128.8	128.8	127.4	128.8	128.8	129.9	133.7	130.3	133.7	133.7
1103	Malt liquors and malt including non alcoholic beer	73	109.0	109.0	108.5	113.2	113.2	113.2	114.0	113.4	114.8	115.0
1104	Soft drinks, mineral waters and other bottled waters	27	108.1	108.1	108.1	113.0	113.0	113.0	113.0	113.0	113.0	113.0

**Table 2(c) - Quarterly & yearly indices for the Manufacture of Chemicals and Chemical Products & Rubber and Plastic products, by industry group, 3rd Quarter 2017- 2nd Quarter 2019**

Base period: Year 2013=100

NSIC	Industry group	Weight	2017			2018					2019	
			3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.
<b>20</b>	<b>Chemicals and chemical products</b>	<b>69</b>	<b>106.3</b>	<b>107.0</b>	<b>106.6</b>	<b>108.5</b>	<b>109.8</b>	<b>111.2</b>	<b>110.8</b>	<b>110.1</b>	<b>110.7</b>	<b>110.2</b>
2011	Basic chemicals	9	107.4	111.3	108.3	114.1	114.5	117.1	114.9	115.2	113.5	108.6
2012	Manufacture of fertilizers and nitrogen compounds	8	89.0	89.0	90.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2022	Paints, varnishes and similar coatings, printing ink and mastics	26	110.2	110.2	110.2	112.4	114.9	115.6	115.6	114.6	115.6	115.6
2023	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	26	107.5	108.1	107.6	108.7	109.9	111.7	111.5	110.5	111.8	112.1
<b>22</b>	<b>Rubber and plastic products</b>	<b>31</b>	<b>111.5</b>	<b>111.8</b>	<b>110.6</b>	<b>111.8</b>	<b>111.8</b>	<b>110.5</b>	<b>111.1</b>	<b>111.3</b>	<b>111.1</b>	<b>111.1</b>
2211	Rubber tyres and tubes, retreading and rebuilding of rubber tyres	5	108.4	110.2	107.1	110.2	110.2	101.9	101.9	106.1	101.9	101.9
2220	Plastic products	26	112.1	112.1	111.3	112.1	112.1	112.2	112.9	112.3	112.9	112.9

**Table 3(a) - Quarterly percentage change of the Manufacturing Sector by industry group, 3rd Quarter 2017 - 2nd Quarter 2019**

Base period: Year 2013=100

NSIC	Industry group	Weight	Percentage changes from previous quarter				Percentage changes from corresponding quarter of previous year			
			2nd Qr 18 to 3rd Qr 18	3rd Qr 18 to 4th Qr 18	4th Qr 18 to 1st Qr 19	1st Qr 19 to 2nd Qr 19	3rd Qr 17 to 3rd Qr 18	4th Qr 17 to 4th Qr 18	1st Qr 18 to 1st Qr 19	2nd Qr 18 to 2nd Qr 19
<b>10-33</b>	<b>Total manufacturing</b>	<b>1000</b>	<b>+ 0.6</b>	<b>+ 0.5</b>	<b>+ 0.2</b>	<b>+ 0.3</b>	<b>+ 3.3</b>	<b>+ 3.1</b>	<b>+ 2.0</b>	<b>+ 1.6</b>
10/11	Food products and beverages	552	+ 0.8	+ 0.6	+ 0.3	+ 0.4	+ 3.5	+ 3.9	+ 2.6	+ 2.0
13	Textiles	6	0.0	0.0	0.0	+ 1.2	0.0	0.0	0.0	+ 1.2
14	Wearing apparel	34	0.0	0.0	+ 0.1	+ 0.8	+ 1.6	+ 1.5	+ 1.5	+ 0.9
15	Leather and related products	3	+ 5.4	+ 5.6	+ 5.8	0.0	+ 5.4	+ 11.2	+ 17.7	+ 17.7
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	16	+ 0.2	+ 0.3	0.0	0.0	+ 3.4	+ 1.8	+ 1.1	+ 0.5
18	Printing and reproduction of recorded media	28	- 3.0	+ 1.5	+ 0.2	- 0.1	- 4.1	- 1.4	- 4.1	- 1.5
20	Chemicals and chemical products	69	+ 1.3	- 0.4	- 0.1	- 0.5	+ 4.6	+ 3.6	+ 2.0	+ 0.4
22	Rubber and plastic products	31	- 1.2	+ 0.5	0.0	0.0	- 0.9	- 0.6	- 0.6	- 0.6
23	Other non-metallic mineral products	52	+ 1.2	+ 0.5	0.0	0.0	+ 13.0	+ 5.5	+ 1.7	+ 1.7
24	Basic metals	11	+ 3.1	+ 0.4	- 0.3	- 0.7	+ 11.1	+ 7.8	+ 5.7	+ 2.5
25	Fabricated metal products	76	- 0.1	+ 0.6	0.0	0.0	+ 0.8	+ 0.9	- 0.3	+ 0.5
27	Electrical equipment	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	Machinery and equipment, n.e.c	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	Motor vehicles, trailers and semi-trailers	5	+ 1.0	+ 1.8	0.0	0.0	+ 6.1	+ 7.7	+ 4.4	+ 2.8
30	Other transport equipment	16	+ 4.7	- 0.5	+ 1.2	+ 0.5	+ 5.2	+ 3.1	+ 9.2	+ 5.9
31	Furniture	65	+ 0.1	0.0	0.0	0.0	+ 1.3	+ 0.5	+ 0.2	+ 0.1
32	Other products	25	0.0	0.0	0.0	+ 2.7	+ 2.7	+ 2.2	0.0	+ 2.7

**Table 3(b) - Quarterly percentage change for Manufacture of Food Products & Beverages by industry group, 3rd Quarter 2017 - 2nd Quarter 2019**

Base period: Year 2013=100

NSIC	Industry group	Weight	Percentage changes from previous quarter				Percentage changes from corresponding quarter of previous year			
			2nd Qr 18 to 3rd Qr 18	3rd Qr 18 to 4th Qr 18	4th Qr 18 to 1st Qr 19	1st Qr 19 to 2nd Qr 19	3rd Qr 17 to 3rd Qr 18	4th Qr 17 to 4th Qr 18	1st Qr 18 to 1st Qr 19	2nd Qr 18 to 2nd Qr 19
			<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>552</b>	<b>+ 0.8</b>	<b>+ 0.6</b>	<b>+ 0.3</b>	<b>+ 0.4</b>	<b>+ 3.5</b>
<b>101-108</b>	<b>Food products</b>	<b>374</b>	<b>+ 0.9</b>	<b>+ 0.3</b>	<b>+ 0.4</b>	<b>+ 0.5</b>	<b>+ 3.7</b>	<b>+ 3.9</b>	<b>+ 3.1</b>	<b>+ 2.1</b>
1010	Processing and preserving of meat	97	+ 2.4	+ 0.3	0.0	0.0	+ 3.8	+ 3.3	+ 3.3	+ 2.7
1020	Processing and preserving of fish, crustaceans & molluscs	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1030	Processing and preserving of fruits and vegetables	10	+ 1.1	0.0	+ 0.2	+ 1.2	+ 1.3	+ 1.1	+ 1.3	+ 2.5
1040	Vegetable and animal oils and fats	30	0.0	-2.3	-1.9	-6.9	0.0	- 2.3	- 4.1	- 10.7
1050	Dairy products	16	0.0	0.0	+ 0.1	0.0	+ 0.8	+ 0.3	+ 0.2	+ 0.1
1061	Grain mill products	54	-1.5	+ 0.2	+ 3.1	+ 5.8	+ 16.3	+ 16.0	+ 10.5	+ 7.8
1071	Bakery products	72	0.0	+ 0.2	- 0.1	0.0	+ 3.0	+ 3.2	+ 1.4	+ 0.1
10711/ 10712	<i>Bread/Pastries and cakes</i>	69	0.0	0.0	0.0	0.0	+ 2.7	+ 2.7	+ 1.2	0.0
10713	<i>Biscuits and other dry bakery products</i>	3	0.0	0.0	-0.9	-0.6	+ 0.3	+ 0.3	- 1.5	- 1.5
1074	Macaroni, noodles, couscous and similar farinaceous products	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1075	Prepared meals and dishes	2	0.0	0.0	+ 2.1	+ 0.3	+ 0.4	0.0	+ 2.1	+ 2.4
1079	Other food products n.e.c	34	+ 0.8	+ 1.6	+ 1.0	+ 1.9	+ 1.9	+ 3.6	+ 4.5	+ 5.4
10791	<i>Tea</i>	5	+ 3.7	+ 11.1	+ 3.5	+ 8.4	+ 11.3	+ 23.7	+ 28.1	+ 29.3
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	29	+ 0.3	0.0	+ 0.7	+ 0.6	+ 0.4	+ 0.5	+ 1.0	+ 1.7
1080	Animal feed	45	+ 2.2	+ 1.8	+ 0.4	0.0	+ 1.0	+ 4.3	+ 4.4	+ 4.4
<b>110</b>	<b>Beverages</b>	<b>178</b>	<b>+ 0.9</b>	<b>+ 0.9</b>	<b>0.0</b>	<b>+ 0.1</b>	<b>+ 3.1</b>	<b>+ 4.0</b>	<b>+ 1.8</b>	<b>+ 1.9</b>
1101	Distilled potable alcoholic beverages	65	+ 2.2	+ 1.1	- 0.7	0.0	+ 2.2	+ 3.4	+ 2.7	+ 2.7
1102	Wines	13	+ 0.9	+ 2.9	0.0	0.0	+ 0.9	+ 3.8	+ 3.8	+ 3.8
1103	Malt liquors and malt including non alcoholic beer	73	0.0	+ 0.7	+ 0.7	+ 0.2	+ 3.9	+ 4.6	+ 1.4	+ 1.6
1104	Soft drinks, mineral waters and other bottled waters	27	0.0	0.0	0.0	0.0	+ 4.5	+ 4.5	0.0	0.0

**Table 3(c) - Quarterly percentage change for Manufacture of Chemicals and Chemical Products & Rubber and Plastic Products by industry group, 3rd Quarter 2017 - 2nd Quarter 2019**

Base period: Year 2013=100

NSIC	Industry group	Weight	Percentage changes from previous quarter				Percentage changes from corresponding quarter of previous year			
			2nd Qr 18 to 3rd Qr 18	3rd Qr 18 to 4th Qr 18	4th Qr 18 to 1st Qr 19	1st Qr 19 to 2nd Qr 19	3rd Qr 17 to 3rd Qr 18	4th Qr 17 to 4th Qr 18	1st Qr 18 to 1st Qr 19	2nd Qr 18 to 2nd Qr 19
<b>20</b>	<b>Chemicals and chemical products</b>	<b>69</b>	<b>+ 1.3</b>	<b>- 0.4</b>	<b>- 0.1</b>	<b>- 0.5</b>	<b>+ 4.6</b>	<b>+ 3.6</b>	<b>+ 2.0</b>	<b>+ 0.4</b>
2011	Basic chemicals	9	+ 2.3	- 1.9	- 1.2	- 4.3	+ 9.0	+ 3.2	- 0.5	- 5.2
2012	Manufacture of fertilizers and nitrogen compounds	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	Paints, varnishes and similar coatings, printing ink and mastics	26	+ 0.6	0.0	0.0	0.0	+ 4.9	+ 4.9	+ 2.8	+ 0.6
2023	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	26	+ 1.6	- 0.2	+ 0.3	+ 0.3	+ 3.9	+ 3.1	+ 2.9	+ 2.0
<b>22</b>	<b>Rubber and plastic products</b>	<b>31</b>	<b>- 1.2</b>	<b>+ 0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>- 0.9</b>	<b>- 0.6</b>	<b>- 0.6</b>	<b>- 0.6</b>
2211	Rubber tyres and tubes, retreading and rebuilding of rubber tyres	5	- 7.5	0.0	0.0	0.0	- 6.0	- 7.5	- 7.5	- 7.5
2220	Plastic products	26	+ 0.1	+ 0.6	0.0	0.0	+ 0.1	+ 0.7	+ 0.7	+ 0.7

**Table 4(a) - Comparative monthly and quarterly indices of the Manufacturing Sector, January 2010 - June 2019**

**Base period: Year 2013=100**

Month	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	83.2	89.1	94.6	98.6	100.1	101.6	101.6	104.3	106.9	109.2
February	83.3	91.9	94.3	99.9	100.1	101.5	101.5	104.1	107.3	109.4
March	83.4	91.5	93.9	100.0	100.3	102.0	102.0	104.4	107.8	109.6
<b>Average 1<sup>st</sup> Quarter</b>	<b>83.3</b>	<b>90.8</b>	<b>94.3</b>	<b>99.5</b>	<b>100.2</b>	<b>101.7</b>	<b>101.7</b>	<b>104.3</b>	<b>107.3</b>	<b>109.4</b>
April	84.1	91.5	94.4	100.0	100.4	101.9	101.9	104.3	107.9	109.5
May	84.8	91.7	94.5	99.9	100.4	101.9	102.1	104.3	108.0	109.5
June	85.3	92.3	94.9	99.8	100.6	102.1	102.2	105.1	108.2	110.0
<b>Average 2<sup>nd</sup> Quarter</b>	<b>84.7</b>	<b>91.8</b>	<b>94.6</b>	<b>99.9</b>	<b>100.5</b>	<b>102.0</b>	<b>102.1</b>	<b>104.6</b>	<b>108.0</b>	<b>109.7</b>
July	85.3	92.6	95.4	100.1	100.6	102.3	102.8	105.1	108.3	
August	85.4	92.9	95.5	100.1	100.3	103.1	102.8	105.2	108.7	
September	85.2	93.0	95.6	100.0	100.3	103.3	103.0	105.3	109.1	
<b>Average 3<sup>rd</sup> Quarter</b>	<b>85.3</b>	<b>92.8</b>	<b>95.5</b>	<b>100.1</b>	<b>100.4</b>	<b>102.9</b>	<b>102.9</b>	<b>105.2</b>	<b>108.7</b>	
October	85.4	94.1	96.9	100.1	100.4	103.4	103.7	105.4	109.2	
November	86.6	94.6	97.8	100.9	100.3	103.5	104.3	106.2	109.1	
December	87.1	94.9	97.8	100.5	100.0	103.5	104.3	106.1	109.3	
<b>Average 4<sup>th</sup> Quarter</b>	<b>86.4</b>	<b>94.5</b>	<b>97.5</b>	<b>100.5</b>	<b>100.2</b>	<b>103.5</b>	<b>104.1</b>	<b>105.9</b>	<b>109.2</b>	
<b>Yearly average</b>	<b>84.9</b>	<b>92.5</b>	<b>95.5</b>	<b>100.0</b>	<b>100.3</b>	<b>102.5</b>	<b>102.7</b>	<b>105.0</b>	<b>108.3</b>	
<b>Annual change (%)</b>	<b>+ 2.5</b>	<b>+ 9.0</b>	<b>+ 3.2</b>	<b>+ 4.7</b>	<b>+ 0.3</b>	<b>+ 2.2</b>	<b>+ 0.2</b>	<b>+ 2.2</b>	<b>+ 3.1</b>	

**Table 4(b) - Comparative monthly and quarterly indices for Manufacture of Food Products & Beverages, January 2010 - June 2019**

Base period: Year 2013=100

Month	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	81.5	85.5	93.5	97.4	100.5	100.5	100.6	103.8	106.1	109.2
February	81.7	90.0	92.4	99.7	100.0	100.3	100.4	103.6	106.7	109.5
March	81.9	89.2	92.4	99.9	100.0	101.0	101.1	103.6	107.3	109.9
<b>Average 1<sup>st</sup> Quarter</b>	<b>81.7</b>	<b>88.2</b>	<b>92.8</b>	<b>99.0</b>	<b>100.2</b>	<b>100.6</b>	<b>100.7</b>	<b>103.7</b>	<b>106.7</b>	<b>109.5</b>
April	82.0	89.4	93.1	100.0	100.0	101.0	100.1	103.6	107.4	109.7
May	82.5	89.4	93.3	100.1	100.1	100.9	100.2	103.8	107.7	109.9
June	82.7	89.5	93.8	100.1	100.4	101.2	100.5	105.1	107.9	110.0
<b>Average 2<sup>nd</sup> Quarter</b>	<b>82.4</b>	<b>89.4</b>	<b>93.4</b>	<b>100.1</b>	<b>100.2</b>	<b>101.0</b>	<b>100.3</b>	<b>104.2</b>	<b>107.7</b>	<b>109.9</b>
July	82.7	89.8	94.4	100.2	100.4	101.3	100.9	104.9	108.1	
August	82.9	90.1	94.5	100.2	100.1	102.0	101.3	104.9	108.6	
September	82.8	90.5	94.4	100.0	100.4	102.6	101.7	105.0	109.2	
<b>Average 3<sup>rd</sup> Quarter</b>	<b>82.8</b>	<b>90.1</b>	<b>94.4</b>	<b>100.1</b>	<b>100.3</b>	<b>102.0</b>	<b>101.3</b>	<b>104.9</b>	<b>108.6</b>	
October	82.5	92.4	95.5	99.8	100.4	102.7	102.9	105.2	109.3	
November	84.1	92.9	96.9	101.5	100.5	102.9	103.9	105.2	109.2	
December	84.9	93.3	96.8	101.1	99.9	102.8	103.9	104.9	109.1	
<b>Average 4<sup>th</sup> Quarter</b>	<b>83.8</b>	<b>92.9</b>	<b>96.4</b>	<b>100.8</b>	<b>100.3</b>	<b>102.8</b>	<b>103.6</b>	<b>105.1</b>	<b>109.2</b>	
<b>Yearly average</b>	<b>82.7</b>	<b>90.2</b>	<b>94.3</b>	<b>100.0</b>	<b>100.3</b>	<b>101.6</b>	<b>101.5</b>	<b>104.5</b>	<b>108.1</b>	
<b>Annual change (%)</b>	<b>+ 0.6</b>	<b>+ 9.1</b>	<b>+ 4.5</b>	<b>+ 6.0</b>	<b>+ 0.3</b>	<b>+ 1.3</b>	<b>- 0.1</b>	<b>+ 3.0</b>	<b>+ 3.4</b>	

**Table 4(c) - Comparative monthly and quarterly indices for Manufacture of Chemicals and Chemical Products, January 2010 - June 2019**

Base period: Year 2013=100

Month	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	86.3	90.7	93.4	99.2	100.6	100.8	100.8	106.6	107.4	110.7
February	86.7	90.8	94.0	99.2	100.6	100.8	100.8	106.8	109.0	110.8
March	86.7	90.8	94.0	99.3	100.8	100.9	100.9	106.8	109.0	110.7
<b>Average 1<sup>st</sup> Quarter</b>	<b>86.6</b>	<b>90.8</b>	<b>93.8</b>	<b>99.2</b>	<b>100.7</b>	<b>100.8</b>	<b>100.8</b>	<b>106.7</b>	<b>108.5</b>	<b>110.7</b>
April	87.0	90.7	94.0	99.5	100.8	101.1	105.1	106.8	109.3	110.3
May	87.0	90.7	94.0	99.8	101.1	101.6	105.1	106.3	110.1	110.0
June	87.6	90.7	94.0	99.8	101.1	101.6	105.4	106.3	110.1	110.3
<b>Average 2<sup>nd</sup> Quarter</b>	<b>87.2</b>	<b>90.7</b>	<b>94.0</b>	<b>99.7</b>	<b>101.0</b>	<b>101.4</b>	<b>105.2</b>	<b>106.5</b>	<b>109.8</b>	<b>110.2</b>
July	88.1	93.2	94.4	99.8	101.2	102.2	105.7	106.3	111.1	
August	88.1	93.3	94.4	100.1	100.7	104.5	105.7	106.3	111.2	
September	88.1	93.3	94.4	100.1	100.7	104.5	105.7	106.3	111.2	
<b>Average 3<sup>rd</sup> Quarter</b>	<b>88.1</b>	<b>93.3</b>	<b>94.4</b>	<b>100.0</b>	<b>100.9</b>	<b>103.7</b>	<b>105.7</b>	<b>106.3</b>	<b>111.2</b>	
October	89.5	93.3	98.6	100.7	100.7	104.5	106.1	106.4	111.1	
November	89.5	93.4	98.6	101.2	100.7	104.5	106.4	107.3	110.6	
December	90.1	93.4	98.8	101.2	100.7	104.5	106.4	107.3	110.6	
<b>Average 4<sup>th</sup> Quarter</b>	<b>89.7</b>	<b>93.4</b>	<b>98.7</b>	<b>101.0</b>	<b>100.7</b>	<b>104.5</b>	<b>106.3</b>	<b>107.0</b>	<b>110.8</b>	
<b>Yearly average</b>	<b>87.9</b>	<b>92.1</b>	<b>95.2</b>	<b>100.0</b>	<b>100.8</b>	<b>102.6</b>	<b>104.5</b>	<b>106.6</b>	<b>110.1</b>	
<b>Annual change (%)</b>	<b>+ 7.3</b>	<b>+ 4.8</b>	<b>+ 3.4</b>	<b>+ 5.0</b>	<b>+ 0.8</b>	<b>+ 1.8</b>	<b>+ 1.9</b>	<b>+ 2.0</b>	<b>+ 3.3</b>	

**Table 4(d) - Comparative monthly and quarterly indices for Manufacture of Rubber and Plastic Products, January 2010 - June 2019**

Base period: Year 2013=100

Month	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	98.3	103.8	97.6	99.2	100.4	103.0	103.0	109.2	111.8	111.1
February	98.3	103.7	104.6	99.2	101.7	101.7	101.7	109.2	111.8	111.1
March	98.3	105.3	99.8	100.1	101.7	103.1	103.1	109.7	111.8	111.1
<b>Average 1<sup>st</sup> Quarter</b>	<b>98.3</b>	<b>104.3</b>	<b>100.7</b>	<b>99.5</b>	<b>101.3</b>	<b>102.6</b>	<b>102.6</b>	<b>109.4</b>	<b>111.8</b>	<b>111.1</b>
April	99.3	105.5	99.8	100.2	101.7	103.1	105.8	109.7	111.8	111.1
May	99.3	105.5	99.8	100.2	101.7	104.8	105.5	109.7	111.8	111.1
June	99.5	105.5	99.8	100.2	102.9	104.8	105.5	109.7	111.8	111.1
<b>Average 2<sup>nd</sup> Quarter</b>	<b>99.4</b>	<b>105.5</b>	<b>99.8</b>	<b>100.2</b>	<b>102.1</b>	<b>104.2</b>	<b>105.6</b>	<b>109.7</b>	<b>111.8</b>	<b>111.1</b>
July	100.7	105.6	99.8	100.2	103.0	105.8	109.2	110.9	110.5	
August	100.7	105.6	99.8	100.2	103.0	105.8	109.2	111.8	110.5	
September	100.7	105.8	99.8	100.2	103.0	105.8	109.2	111.8	110.5	
<b>Average 3<sup>rd</sup> Quarter</b>	<b>100.7</b>	<b>105.7</b>	<b>99.8</b>	<b>100.2</b>	<b>103.0</b>	<b>105.8</b>	<b>109.2</b>	<b>111.5</b>	<b>110.5</b>	
October	104.2	105.5	99.5	100.2	103.0	105.8	109.2	111.8	111.1	
November	104.2	105.5	100.0	100.2	103.0	105.8	109.2	111.8	111.1	
December	104.2	105.5	98.9	100.2	103.0	105.8	109.2	111.8	111.1	
<b>Average 4<sup>th</sup> Quarter</b>	<b>104.2</b>	<b>105.5</b>	<b>99.5</b>	<b>100.2</b>	<b>103.0</b>	<b>105.8</b>	<b>109.2</b>	<b>111.8</b>	<b>111.1</b>	
<b>Yearly average</b>	<b>100.7</b>	<b>105.3</b>	<b>100.0</b>	<b>100.0</b>	<b>102.4</b>	<b>104.6</b>	<b>106.7</b>	<b>110.6</b>	<b>111.3</b>	
<b>Annual change (%)</b>	<b>+ 7.2</b>	<b>+ 4.6</b>	<b>- 5.0</b>	<b>0.0</b>	<b>+ 2.4</b>	<b>+ 2.1</b>	<b>+ 2.0</b>	<b>+ 3.7</b>	<b>+ 0.6</b>	

## **Producer Price Index – Manufacturing (PPI-M)**

### **Methodology for the computation of the PPI-M**

#### **1. Definition**

The Producer Price Index (PPI-M) measures changes in the effective prices received by producers in the manufacturing sector for that part of their output, which is sold on the domestic market. It reflects the price trends of a fixed basket of goods representative of the output of Non Export Oriented Enterprises (Non EOE).

The concepts and definitions of the PPI-M largely follow the guidelines provided in the “IMF Producer Price Index Manual Theory and Practice”.

#### **2. Scope**

The PPI-M covers both large and small manufacturing establishments falling within divisions 10 to 33 of the National Standard Industrial Classification Rev.2 (NSIC Rev.2), which is an adapted version of the International Standard Industrial Classification (ISIC) Rev.4. The establishments are classified under 24 divisions, 71 groups, 137 classes and 240 sub-classes.

The following divisions have been excluded for reasons given in brackets:

- (a) Division 12: Manufacture of tobacco products (no longer manufactured in Mauritius)
- (b) Division 19: Manufacture of coke and refined petroleum products (weight in the overall index is not significant)
- (c) Division 21: Manufacture of basic pharmaceutical products and pharmaceutical preparations (weight in the overall index is not significant and change of products is too dynamic)
- (d) Division 26: Manufacture of computers, electronic and optical products (weight in the overall index is not significant and change of products is too dynamic)
- (e) Division 33: Repair and installation of machinery and equipment (weight in the overall index is not significant and change of products is too dynamic)

The activities covered by the index represent around 97% of the gross output generated by the Non-EOE manufacturing sector during year 2013.

#### **3. Frame**

A list of all large establishments (engaging 10 or more persons) falling under the scope of the PPI-M was obtained from the 2013 Census of Economic Activities (CEA 2013). For small establishments (engaging less than 10 persons), the list of respondents at the CEA 2013 was used.

#### **4. Selection of establishments (producers)**

A sample of 126 large establishments was selected from the list of large manufacturing establishments. Those establishments were the most important ones in terms of Gross Output (GO) in their respective 5-digit sub-class.

Small establishments selected for price collection were those engaged in the manufacture of wearing apparel, fabricated metal products and furniture as these activities were the most important ones performed by small manufacturing establishments.

Output of the selected establishments represented around 60% of the total GO generated by all establishments falling within the scope of the PPI-M.

#### **5. Selection of products to be priced**

Some 400 products have been selected for pricing. These are the most important ones in terms of contribution to the gross output or turnover of the selected establishments.

#### **6. Price collection**

Prices collected refer to the prices received by producers for the sale of their products on the local market. The prices exclude all taxes on products, namely excise duty and value added tax (VAT).

As from July 2013, prices are collected on a monthly basis and provisional monthly indices are compiled. The overall PPI-M on a monthly basis is published according to SDDS requirements.

For revised monthly and quarterly indices at division level and in some specific cases at even lower level, the selected establishments are visited on a quarterly basis and prices of the selected products are collected for each month of the reference quarter.

#### **7. Updating of weights**

##### ***7.1 Historical background***

Statistics Mauritius first published a Producers Price Index limited to the “Manufacturing of food products, beverages and tobacco” in March 1994 with 1993 as base period (1993 = 100). The index was revised in June 2002 to cover all relevant industry groups of the former Non-EPZ manufacturing sector, based on the results of the 1997 Census of Economic Activities. The base period was 1998. The base year was subsequently revised to 2003 and 2007, based on the results of the 2002 and 2007 rounds of the Census of Economic Activities.

The current basket of goods has been updated based on the results of the 2013 Census of Economic Activities and the index is computed with year 2013 as base period.

## 8. Index calculation

The PPI-M is computed according to the Laspeyres Formula.

The formula used is given below

$$I_c = \frac{\sum W_i * \left(\frac{P_{ci}}{P_{oi}}\right)}{\sum W_i} * 100$$

Where  $I_c$  = Index for current month

$W_i$  = Weight associated with product  $i$

$P_{ci}$  = Price of product  $i$  for the current month

$P_{oi}$  = Price for product  $i$  for the base period (2013)

The PPI-M is calculated at the 5-digit sub-class level of the NSIC Rev.2 by the above formula. The lowest level indices are determined as a geometric average of the price relatives of the basic observations. Indices at the division level (2-digit code) are then derived as a weighted average of the indices of the products falling within each division. Finally, the overall index is obtained as a weighted average of the division indices.

## 9. Uses of PPI

- (a) The PPI is a leading indicator of the future status of inflation. Movement of PPI is usually indicative of a similar change of part of the Consumer Price Index (CPI). PPI can also be used in the economic analysis of inflation transmission process.
- (b) It provides specific price deflators for the computation of national accounts at constant prices in order to measure real growth
- (c) It is helpful in the formulation of contract agreement. It can be used as an escalation clause to protect buyers and sellers against inflation or deflation.
- (d) PPI is also used in econometric models, in forecasting and in inventory accounting.

## 10. Missing prices

In case of temporarily missing prices for products, the change in the prices are assumed to be following the same trend as the average price in the 5-digit sub-class or of a higher level.

### **11. Treatment of product permanently disappeared**

Products may disappear permanently for various reasons. The products may disappear from the market because new products have been introduced or the establishments from which the price has been collected have stopped selling the product. When a product disappears permanently, a replacement product of a similar nature will be included in the index.

### **12. Treatment of quality change**

The index is a measure of only “PURE” price changes and should as far as possible measure the price changes of the same products. Hence, the products must not be affected by quality change. If the change is due to quality, an estimate of the proportion of the change attributed to the quality element is made and adjustment done accordingly.

### **13. Reliability of the PPI-M**

The statistical accuracy of the PPI-M depends heavily on the quality of information provided by the selected establishments (respondents). This office places great emphasis on the need for reporting effective selling prices, i.e. prices after discounts and other price deductions rather than the list or catalogue prices.

Standard editing procedures are used to validate the accuracy and reliability of the data. Collected prices are validated during the field work and inconsistencies discussed with the respondents and corrected.

Further computer checks are made at office level when compiling the indices. Comparison is also made with the CPI and with the import/export price indices. Systematic analyzes of the source data are made in the context of weight and base year revisions that occur every five years.