

**PRODUCER PRICE INDEX - MANUFACTURING (PPI-M)**  
**4th Quarter 2017**  
**(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 January 2017 to December 2017 and quarterly indices from the first quarter of 2016 to the fourth quarter of 2017. 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 2008 to December 2017 are given in tables 4(a) and 4(b).

Indices prior to January 2017 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.

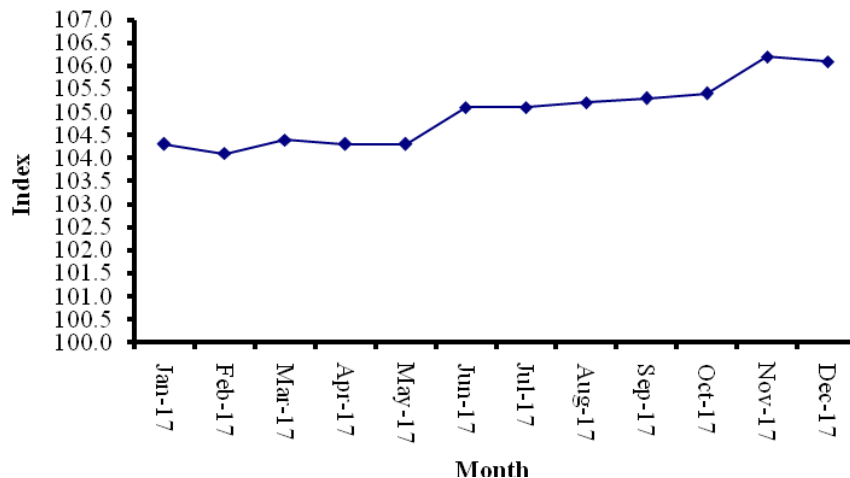
**2. Changes during fourth quarter 2017**

**2.1 Manufacturing Sector**

The Producer Price Index for the manufacturing sector registered an increase of 0.8 point (+0.8%) from 105.3 in September 2017 to 106.1 in December 2017. The main reason for the net increase was higher prices of “Other non-metallic mineral products” (+11.6%) and “Fabricated metal products” (+1.2%), partly offset by a decrease in the price of “Food products and beverages” (-0.1%).

On a monthly basis, the PPI-M increased by 0.1 point (+0.1%) and 0.8 point (+0.8%) in October and November 2017 respectively and lost 0.1 point (-0.1 %) in December 2017 (Table 1a).

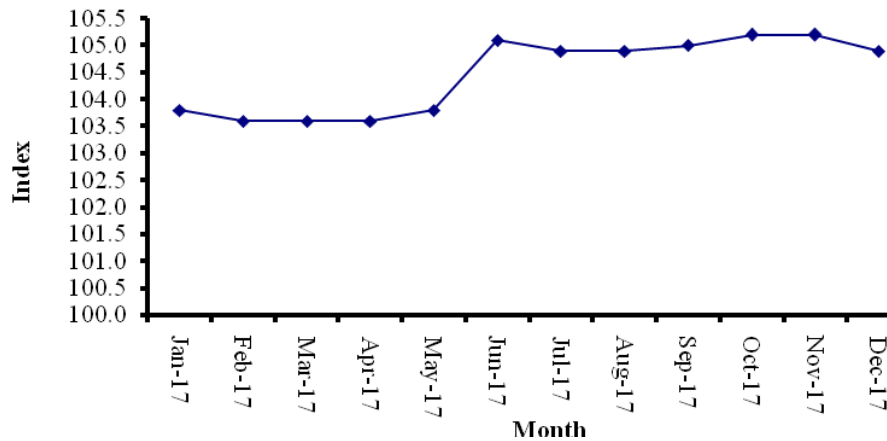
**Fig 1: Overall monthly indices: January 2017- December 2017**  
**Manufacturing Sector**



## 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 decrease of 0.1 point (-0.1%) from 105.0 in September 2017 to 104.9 in December 2017. The decrease was mainly attributable to lower prices of “Animal feed” (-3.1%), partly offset by higher prices in “Processing and preserving of meat” (+0.3%).

**Fig 2: Monthly indices: January 2017 - December 2017**  
Food Products and Beverages

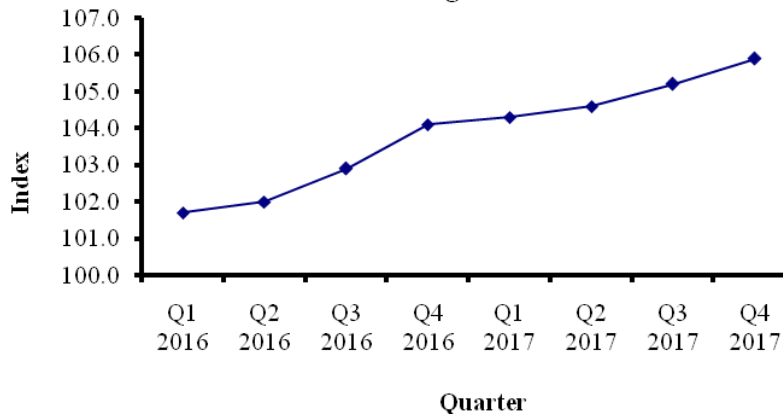


On a monthly basis, the index for this activity group increased by 0.2 point (+0.2 %) in October 2017, remained unchanged in November 2017 and dropped by 0.3 point (-0.3 %) in December 2017 (Table 1b).

## 3. Change in quarterly PPI-M

### 3.1 Manufacturing Sector

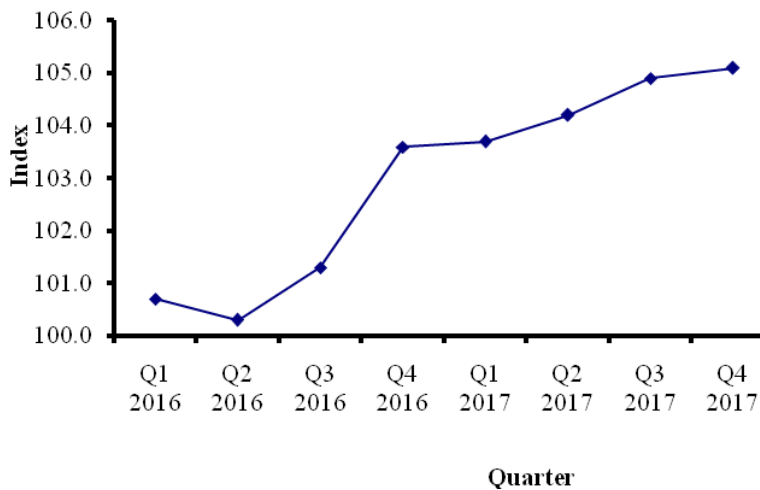
**Fig 3: Overall quarterly indices:**  
1<sup>st</sup> Quarter 2016 to 4<sup>th</sup> Quarter 2017  
Manufacturing Sector



The average PPI-M for the fourth quarter of 2017 stood at 105.9, i.e increasing by 0.7 point (+0.7%) from 105.2 in the third quarter of 2017 (Table 2a). Compared to the corresponding quarter of 2016, the average PPI-M for the fourth quarter of 2017 increased by 1.8 points (+1.7%).

### 3.2 Manufacture of Food Products and Beverages

**Fig 4: Quarterly indices:  
1<sup>st</sup> Quarter 2016 to 4<sup>th</sup> Quarter 2017  
Food Products and Beverages**



Compared to the previous quarter, the index for “Food products and beverages” increased by 0.2 point (+0.2%) in the fourth quarter of 2017. The index for “Food products” increased by 0.1 point (+0.1%), mainly explained by higher prices of “Processing and preserving of meat” (+0.8%) and “Grain mill products” (+0.6%), partly offset by lower prices of “Animal feed” (-1.5%). The index for “Beverages” remained unchanged.

When compared to the fourth quarter of 2016, the index for “Food products and beverages” increased by 1.5 points (+1.4%) mainly due to higher prices of “Distilled potable alcoholic beverages” (+11.1%) and “Processing and preserving of meat” (+2.6%), partly offset by lower prices of “Grain mill products” (-11.7%).

## 4. Yearly Index

The average yearly index for the manufacturing sector as a whole was 105.0 in 2017, i.e. 2.3 points (+2.2%) higher than the figure of 102.7 in 2016. The index for the manufacture of food products and beverages was 104.5 in 2017 compared to 101.5 in 2016, i.e. an increase of 3.0 points (+3.0%).

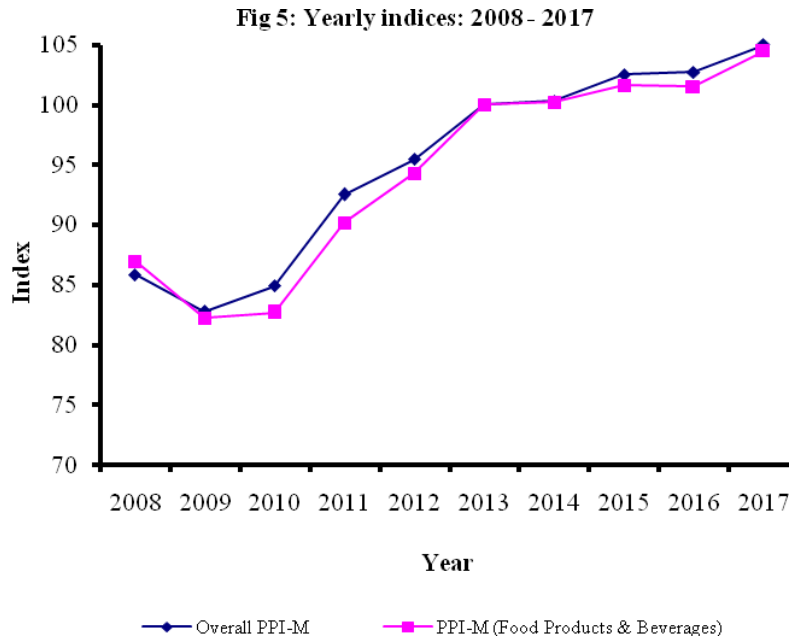


Figure 5 shows that the yearly index for the manufacturing sector as a whole as well as that for the manufacture of food products and beverages declined in 2009. A steady rise is then noted from 2010 to 2013. In the year 2014 the indices remained nearly unchanged and then picked up in 2015. In 2016, the indices remained nearly unchanged and then picked up in 2017.

### Statistics Mauritius

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**Table 1(a) - Monthly indices of the Manufacturing Sector by industry group, Jan 2017 - Dec 2017**

Base period: Year 2013=100

NSIC	Industry group	Weight	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Percentage change from		
															Sep 17 to Oct 17	Oct 17 to Nov 17	Nov 17 to Dec 17
<b>10-33</b>	<b>Total manufacturing</b>	<b>1000</b>	<b>104.3</b>	<b>104.1</b>	<b>104.4</b>	<b>104.3</b>	<b>104.3</b>	<b>105.1</b>	<b>105.1</b>	<b>105.2</b>	<b>105.3</b>	<b>105.4</b>	<b>106.2</b>	<b>106.1</b>	<b>0.1</b>	<b>0.8</b>	<b>-0.1</b>
10/11	Food products and beverages	552	103.8	103.6	103.6	103.6	103.8	105.1	104.9	104.9	105.0	105.2	105.2	104.9	0.2	0.0	-0.3
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	103.2	0.0	0.0	0.0
14	Wearing apparel	34	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	118.9	119.2	0.0	0.0	0.0
15	Leather and related products	3	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
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	16	102.8	102.8	102.8	102.8	103.4	103.4	105.0	105.0	105.0	105.0	109.8	106.3	0.0	4.6	-3.2
18	Printing and reproduction of recorded media	28	93.1	89.8	99.0	93.5	92.2	93.4	93.2	93.3	92.5	91.5	91.8	92.0	-1.1	0.3	0.2
20	Chemicals and chemical products	69	106.6	106.8	106.8	106.8	106.3	106.3	106.3	106.3	106.3	106.4	107.3	107.3	0.1	0.8	0.0
22	Rubber and plastic products	31	109.2	109.2	109.7	109.7	109.7	109.7	110.9	111.8	111.8	111.8	111.8	111.8	0.0	0.0	0.0
23	Other non-metallic mineral products	52	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	114.7	114.7	0.0	11.6	0.0
24	Basic metals	11	88.9	88.5	88.5	88.5	90.3	90.3	90.3	92.0	93.5	94.4	95.5	95.5	1.0	1.2	0.0
25	Fabricated metal products	76	106.6	106.6	106.6	106.7	106.7	106.7	106.7	106.7	106.7	106.8	106.8	108.0	0.1	0.0	1.1
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	102.6	102.6	102.6	102.6	102.6	102.6	118.5	119.7	119.7	119.7	119.7	119.7	0.0	0.0	0.0
30	Other transport equipment	16	104.4	101.6	101.3	102.0	103.2	104.2	104.3	101.6	102.1	102.6	105.5	104.8	0.5	2.8	-0.7
31	Furniture	65	108.8	108.8	108.8	108.8	108.8	108.8	109.3	109.3	109.3	110.2	110.2	110.2	0.8	0.0	0.0
32	Other products	25	95.5	95.5	95.5	95.5	95.5	95.7	95.7	96.4	96.4	96.4	96.7	96.7	0.0	0.3	0.0

**Table 1(b) - Monthly indices for Manufacture of Food Products & Beverages by industry group, Jan 2017 - Dec 2017**

															Base period:Year 2013=100		
NSIC	Industry group	Weight	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Percentage change from		
															Sep 17 to Oct 17	Oct 17 to Nov 17	Nov 17 to Dec 17
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>552</b>	<b>103.8</b>	<b>103.6</b>	<b>103.6</b>	<b>103.6</b>	<b>103.8</b>	<b>105.1</b>	<b>104.9</b>	<b>104.9</b>	<b>105.0</b>	<b>105.2</b>	<b>105.2</b>	<b>104.9</b>	<b>0.2</b>	<b>0.0</b>	<b>-0.3</b>
<b>101-108</b>	<b>Food products</b>	<b>375</b>	<b>99.8</b>	<b>99.5</b>	<b>99.5</b>	<b>99.6</b>	<b>99.8</b>	<b>99.4</b>	<b>98.9</b>	<b>99.1</b>	<b>99.2</b>	<b>99.4</b>	<b>99.4</b>	<b>99.0</b>	<b>0.2</b>	<b>0.0</b>	<b>-0.4</b>
1010	Processing and preserving of meat	97	105.2	105.2	105.2	105.7	106.0	106.3	104.9	106.6	106.6	106.9	106.9	106.9	0.3	0.0	0.0
1020	Processing and preserving of fish, crustaceans & molluscs	3	110.0	110.0	110.0	110.0	110.0	110.0	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	109.7	109.7	109.7	109.7	110.0	110.2	110.2	110.8	110.8	110.8	110.8	110.8	0.0	0.0	0.0
1040	Vegetable and animal oils and fats	30	90.1	90.1	90.1	90.1	90.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	0.0	0.0	0.0
1050	Dairy products	16	108.1	108.1	108.1	108.6	108.6	108.6	108.6	108.6	108.6	109.2	109.2	109.2	0.6	0.0	0.0
1061	Grain mill products	54	75.9	74.1	74.1	73.4	72.6	71.9	70.8	68.8	69.7	70.5	70.2	70.1	1.1	-0.4	-0.1
1071	Bakery products	73	112.1	112.1	112.1	112.1	112.1	110.7	110.7	110.7	110.7	110.7	110.7	110.7	0.0	0.0	0.0
10711	<i>Bread/Pastries and cakes</i>	69	111.7	111.7	111.7	111.7	111.7	110.3	110.3	110.3	110.3	110.3	110.3	110.3	0.0	0.0	0.0
10713	<i>Biscuits and other dry bakery products</i>	4	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	0.0	0.0	0.0
10730	Macaroni, noodles, couscous and similar farinaceous products	11	100.5	100.5	100.5	100.5	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	114.9	114.9	114.9	114.9	120.2	120.2	120.2	120.2	123.1	121.7	121.7	121.7	-1.1	0.0	0.0
1079	Other food products n.e.c	34	109.8	109.8	110.0	110.0	110.5	111.2	112.0	111.6	111.6	111.6	111.6	111.6	0.0	0.0	0.0
10791	<i>Tea</i>	5	82.2	82.2	82.2	82.2	82.2	88.7	93.7	93.7	93.7	93.7	93.7	93.7	0.0	0.0	0.0
10793	<i>Spices, sauces, condiments and other food products</i>	29	114.9	114.9	115.1	115.1	115.7	115.3	115.3	114.9	114.9	114.9	114.9	114.9	0.0	0.0	0.0
10799	<i>n.e.c</i>																
1080	Animal feed	45	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	86.5	0.0	0.0	-3.1
<b>110</b>	<b>Beverages</b>	<b>179</b>	<b>112.2</b>	<b>112.2</b>	<b>112.2</b>	<b>112.2</b>	<b>112.2</b>	<b>117.3</b>	<b>117.3</b>	<b>117.3</b>	<b>117.3</b>	<b>117.3</b>	<b>117.3</b>	<b>117.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
1101	Distilled potable alcoholic beverages	65	116.2	116.2	116.2	116.2	116.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	0.0	0.0	0.0
1102	Wines	13	125.3	125.3	125.3	125.3	125.3	128.8	128.8	128.8	128.8	128.8	128.8	128.8	0.0	0.0	0.0
1103	Malt liquors and malt including non alcoholic beer	74	107.8	107.8	107.8	107.8	107.8	109.0	109.0	109.0	109.0	109.0	109.0	109.0	0.0	0.0	0.0
1104	Soft drinks, mineral waters and other bottled waters	27	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	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, Jan 2017 - Dec 2017**

Base period:Year 2013=100

NSIC	Industry group	Weight	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Percentage change from		
															Sep 17 to Oct 17	Oct 17 to Nov 17	Nov 17 to Dec 17
<b>20</b>	<b>Chemicals and chemical products</b>	<b>69</b>	<b>106.6</b>	<b>106.8</b>	<b>106.8</b>	<b>106.8</b>	<b>106.3</b>	<b>106.3</b>	<b>106.3</b>	<b>106.3</b>	<b>106.3</b>	<b>106.4</b>	<b>107.3</b>	<b>107.3</b>	<b>0.1</b>	<b>0.8</b>	<b>0.0</b>
2011	Basic chemicals	9	106.2	107.4	107.4	107.4	107.4	107.4	107.4	107.4	107.4	107.4	113.2	113.2	0.0	5.4	0.0
2012	Manufacture of fertilizers and nitrogen compounds	8	93.9	93.9	93.9	93.9	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	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	110.2	0.0	0.0	0.0
2023	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	26	107.1	107.3	107.3	107.3	107.4	107.5	107.5	107.5	107.5	107.9	108.2	108.2	0.4	0.3	0.0
<b>22</b>	<b>Rubber and plastic products</b>	<b>31</b>	<b>109.2</b>	<b>109.2</b>	<b>109.7</b>	<b>109.7</b>	<b>109.7</b>	<b>109.7</b>	<b>110.9</b>	<b>111.8</b>	<b>111.8</b>	<b>111.8</b>	<b>111.8</b>	<b>111.8</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	104.9	104.9	104.9	104.9	104.9	104.9	104.9	110.2	110.2	110.2	110.2	110.2	0.0	0.0	0.0
2220	Plastic products	26	110.0	110.0	110.6	110.6	110.6	110.6	112.1	112.1	112.1	112.1	112.1	112.1	0.0	0.0	0.0

**Table 2(a) - Quarterly & yearly indices of the Manufacturing sector by industry group, 1<sup>st</sup> Quarter 2016 - 4<sup>th</sup> Quarter 2017**

Base period: Year 2013=100

NSIC	Industry group	Weight	2016					2017				
			1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average
<b>10-33</b>	<b>Total manufacturing</b>	<b>1000</b>	<b>101.7</b>	<b>102.0</b>	<b>102.9</b>	<b>104.1</b>	<b>102.7</b>	<b>104.3</b>	<b>104.6</b>	<b>105.2</b>	<b>105.9</b>	<b>105.0</b>
10/11	Food products and beverages	552	100.7	100.3	101.3	103.6	<b>101.5</b>	103.7	104.2	104.9	105.1	<b>104.5</b>
13	Textiles	6	102.6	103.2	103.2	103.2	<b>103.0</b>	103.2	103.2	103.2	103.2	<b>103.2</b>
14	Wearing apparel	34	118.1	118.8	118.8	118.9	<b>118.7</b>	118.9	118.9	118.9	119.0	<b>118.9</b>
15	Leather and related products	3	100.6	103.1	108.1	108.1	<b>105.0</b>	115.6	115.6	115.6	115.6	<b>115.6</b>
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	16	97.3	97.3	97.8	101.5	<b>98.5</b>	102.8	103.2	105.0	107.0	<b>104.5</b>
18	Printing and reproduction of recorded media	28	98.3	100.5	94.4	92.0	<b>96.3</b>	94.0	93.0	93.0	91.8	<b>92.9</b>
20	Chemicals and chemical products	69	100.8	105.2	105.7	106.3	<b>104.5</b>	106.7	106.5	106.3	107.0	<b>106.6</b>
22	Rubber and plastic products	31	102.6	105.6	109.2	109.2	<b>106.7</b>	109.4	109.7	111.5	111.8	<b>110.6</b>
23	Other non-metallic mineral products	52	102.8	102.8	102.8	102.8	<b>102.8</b>	102.8	102.8	102.8	110.7	<b>104.8</b>
24	Basic metals	11	93.9	88.6	86.4	86.1	<b>88.8</b>	88.6	89.7	91.9	95.1	<b>91.3</b>
25	Fabricated metal products	76	106.0	106.0	105.9	105.8	<b>105.9</b>	106.6	106.7	106.7	107.2	<b>106.8</b>
27	Electrical equipment	2	96.0	98.2	98.2	98.2	<b>97.6</b>	98.2	98.2	98.2	98.2	<b>98.2</b>
28	Machinery and equipment, n.e.c	9	88.4	88.4	88.4	88.4	<b>88.4</b>	88.4	88.4	88.4	88.4	<b>88.4</b>
29	Motor vehicles, trailers and semi-trailers	5	102.6	102.6	102.6	102.6	<b>102.6</b>	102.6	102.6	119.3	119.7	<b>111.0</b>
30	Other transport equipment	16	93.2	101.4	117.2	109.1	<b>105.2</b>	102.4	103.2	102.7	104.3	<b>103.1</b>
31	Furniture	65	107.2	107.2	107.7	108.7	<b>107.7</b>	108.8	108.8	109.3	110.2	<b>109.2</b>
32	Other products	25	93.7	94.6	94.9	95.5	<b>94.7</b>	95.5	95.6	96.1	96.6	<b>96.0</b>

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Table 2(b)- Quarterly & yearly indices for the Manufacturing of Food Products & Beverages by industry group, 1<sup>st</sup> Quarter 2016 - 4<sup>th</sup> Quarter 2017

NSIC	Industry group	Weight	2016					2017				
			1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>552</b>	<b>100.7</b>	<b>100.3</b>	<b>101.3</b>	<b>103.6</b>	<b>101.5</b>	<b>103.7</b>	<b>104.2</b>	<b>104.9</b>	<b>105.1</b>	<b>104.5</b>
<b>101-108</b>	<b>Food products</b>	<b>375</b>	<b>98.5</b>	<b>97.4</b>	<b>98.6</b>	<b>99.6</b>	<b>98.5</b>	<b>99.6</b>	<b>99.6</b>	<b>99.1</b>	<b>99.2</b>	<b>99.4</b>
1010	Processing and preserving of meat	97	99.6	99.8	102.2	104.2	101.4	105.2	106.0	106.1	106.9	106.1
1020	Processing and preserving of fish, crustaceans & molluscs	3	102.6	110.0	110.0	110.0	108.1	110.0	110.0	112.4	112.4	111.2
1030	Processing and preserving of fruits and vegetables	10	103.1	107.8	108.9	109.5	107.3	109.7	110.0	110.6	110.8	110.2
1040	Vegetable and animal oils and fats	30	87.8	85.4	86.6	86.6	86.6	90.1	89.3	87.6	87.6	88.6
1050	Dairy products	16	106.9	106.9	105.3	106.4	106.4	108.1	108.6	108.6	109.2	108.6
1061	Grain mill products	54	94.7	78.3	78.8	79.5	82.8	74.7	72.6	69.8	70.2	71.8
1071	Bakery products	73	104.9	109.8	111.7	111.9	109.6	112.1	111.6	110.7	110.7	111.3
10711/ 10712	<i>Bread/Pastries and cakes</i>	69	105.0	109.8	111.5	111.7	109.5	111.7	111.2	110.3	110.3	110.8
10713/ 10730	<i>Biscuits and other dry bakery products</i>	4	104.7	106.5	112.8	116.1	110.0	119.8	119.8	119.8	119.8	119.8
1074	Macaroni, noodles, couscous and similar farinaceous products	11	100.3	100.3	100.5	100.5	100.4	100.5	103.9	105.5	105.5	103.9
1075	Prepared meals and dishes	2	106.8	114.9	114.9	114.9	112.8	114.9	118.4	121.2	121.7	119.0
1079	Other food products n.e.c	34	100.5	105.4	106.6	109.6	105.5	109.9	110.6	111.7	111.6	110.9
10791	<i>Tea</i>	5	71.4	76.1	76.1	80.8	76.1	82.2	84.4	93.7	93.7	88.5
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	29	105.8	110.8	112.2	114.9	110.9	115.0	115.4	115.0	114.9	115.1
1080	Animal feed	45	91.0	89.3	89.3	89.3	89.7	89.3	89.3	89.3	88.0	88.9
<b>110</b>	<b>Beverages</b>	<b>179</b>	<b>105.3</b>	<b>106.3</b>	<b>106.9</b>	<b>111.9</b>	<b>107.6</b>	<b>112.2</b>	<b>113.9</b>	<b>117.3</b>	<b>117.3</b>	<b>115.2</b>
1101	Distilled potable alcoholic beverages	65	107.1	107.1	107.1	115.4	109.2	116.2	120.2	128.2	128.2	123.2
1102	Wines	13	111.9	120.3	120.4	125.3	119.5	125.3	126.5	128.8	128.8	127.4
1103	Malt liquors and malt including non alcoholic beer	74	103.5	104.5	105.9	107.8	105.4	107.8	108.2	109.0	109.0	108.5
1104	Soft drinks, mineral waters and other bottled waters	27	102.7	102.7	102.7	108.1	104.1	108.1	108.1	108.1	108.1	108.1

**Table 2(c) - Quarterly & yearly indices for the Manufacture of Chemicals and Chemical Products & Rubber and Plastic products, by industry group, 1<sup>st</sup> Quarter 2016 to 4<sup>th</sup> Quarter 2017**

NSIC	Industry group	Weight	2016					2017				
			1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average
<b>20</b>	<b>Chemicals and chemical products</b>	<b>69</b>	<b>100.8</b>	<b>105.2</b>	<b>105.7</b>	<b>106.3</b>	<b>104.5</b>	<b>106.7</b>	<b>106.5</b>	<b>106.3</b>	<b>107.0</b>	<b>106.6</b>
2011	Basic chemicals	9	100.0	104.4	104.4	104.4	103.3	107.0	107.4	107.4	111.3	108.3
2012	Manufacture of fertilizers and nitrogen compounds	8	93.9	93.9	93.9	93.9	93.9	93.9	90.6	89.0	89.0	90.6
2022	Paints, varnishes and similar coatings, printing ink and mastics	26	102.3	108.4	108.4	110.0	107.3	110.2	110.2	110.2	110.2	110.2
2023	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	26	101.9	105.9	107.1	107.1	105.5	107.3	107.4	107.5	108.1	107.6
<b>22</b>	<b>Rubber and plastic products</b>	<b>31</b>	<b>102.6</b>	<b>105.6</b>	<b>109.2</b>	<b>109.2</b>	<b>106.7</b>	<b>109.4</b>	<b>109.7</b>	<b>111.5</b>	<b>111.8</b>	<b>110.6</b>
2211	Rubber tyres and tubes, retreading and rebuilding of rubber tyres	5	101.0	100.0	104.9	104.9	102.7	104.9	104.9	108.4	110.2	107.1
2220	Plastic products	26	102.9	106.7	110.0	110.0	107.4	110.2	110.6	112.1	112.1	111.2

**Table 3(a) - Quarterly percentage change of the Manufacturing Sector by industry group, 1st Quarter 2016- 4th Quarter 2017**

Base period: Year 2013=100

NSIC	Industry group	Weight								
			4th Qr 16 to 1st Qr 17	1st Qr 17 to 2nd Qr 17	2nd Qr 17 to 3rd Qr 17	3rd Qr 17 to 4th Qr 17	1st Qr 16 to 1st Qr 17	2nd Qr 16 to 2nd Qr 17	3rd Qr 16 to 3rd Qr 17	4th Qr 16 to 4th Qr 17
<b>10-33</b>	<b>Total manufacturing</b>	<b>1000</b>	<b>0.2</b>	<b>0.3</b>	<b>0.6</b>	<b>0.7</b>	<b>2.6</b>	<b>2.5</b>	<b>2.2</b>	<b>1.7</b>
10/11	Food products and beverages	552	0.1	0.5	0.7	0.2	3.0	3.9	3.6	1.4
13	Textiles	6	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
14	Wearing apparel	34	0.0	0.0	0.0	0.1	0.7	0.1	0.0	0.1
15	Leather and related products	3	6.9	0.0	0.0	0.0	14.9	12.1	6.9	6.9
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	16	1.3	0.4	1.7	1.9	5.7	6.1	7.4	5.4
18	Printing and reproduction of recorded media	28	2.2	-1.1	0.0	-1.3	-4.4	-7.5	-1.5	-0.2
20	Chemicals and chemical products	69	0.4	-0.2	-0.2	0.7	5.9	1.2	0.6	0.7
22	Rubber and plastic products	31	0.2	0.3	1.6	0.3	6.6	3.9	2.1	2.4
23	Other non-metallic mineral products	52	0.0	0.0	0.0	7.7	0.0	0.0	0.0	7.7
24	Basic metals	11	2.9	1.2	2.5	3.5	-5.6	1.2	6.4	10.5
25	Fabricated metal products	76	0.8	0.1	0.0	0.5	0.6	0.7	0.8	1.3
27	Electrical equipment	2	0.0	0.0	0.0	0.0	2.3	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	0.0	0.0	16.3	0.3	0.0	0.0	16.3	16.7
30	Other transport equipment	16	-6.1	0.8	-0.5	1.6	9.9	1.8	-12.4	-4.4
31	Furniture	65	0.1	0.0	0.5	0.8	1.5	1.5	1.5	1.4
32	Other products	25	0.0	0.1	0.5	0.5	1.9	1.1	1.3	1.2

Table 3(b) - Quarterly percentage change for Manufacture of Food Products & Beverages by industry group, 1<sup>st</sup> Quarter 2016 - 4<sup>th</sup> Quarter 2017

Base period: Year 2013=100

NSIC	Industry group	Weight								
			4th Qr 16 to 1st Qr 17	1st Qr 17 to 2nd Qr 17	2nd Qr 17 to 3rd Qr 17	3rd Qr 17 to 4th Qr 17	1st Qr 16 to 1st Qr 17	2nd Qr 16 to 2nd Qr 17	3rd Qr 16 to 3rd Qr 17	4th Qr 16 to 4th Qr 17
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>552</b>	<b>0.1</b>	<b>0.5</b>	<b>0.7</b>	<b>0.2</b>	<b>3.0</b>	<b>3.9</b>	<b>3.6</b>	<b>1.4</b>
<b>101-108</b>	<b>Food products</b>	<b>375</b>	<b>0.0</b>	<b>0.0</b>	<b>-0.5</b>	<b>0.1</b>	<b>1.1</b>	<b>2.3</b>	<b>0.5</b>	<b>-0.4</b>
1010	Processing and preserving of meat	97	1.0	0.8	0.1	0.8	5.6	6.2	3.8	2.6
1020	Processing and preserving of fish, crustaceans & molluscs	3	0.0	0.0	2.2	0.0	7.2	0.0	2.2	2.2
1030	Processing and preserving of fruits and vegetables	10	0.2	0.3	0.5	0.2	6.4	2.0	1.6	1.2
1040	Vegetable and animal oils and fats	30	4.0	-0.9	-1.9	0.0	2.6	4.6	1.2	1.2
1050	Dairy products	16	1.6	0.5	0.0	0.6	1.1	1.6	3.1	2.6
1061	Grain mill products	54	-6.0	-2.8	-3.9	0.6	-21.1	-7.3	-11.4	-11.7
1071	Bakery products	73	0.2	-0.4	-0.8	0.0	6.9	1.6	-0.9	-1.1
10711/ 10712	<i>Bread/Pastries and cakes</i>	69	0.0	-0.4	-0.8	0.0	6.4	1.3	-1.1	-1.3
10713/ 10730	<i>Biscuits, other dry bakery products, cocoa, chocolate and sugar confectionery</i>	4	3.2	0.0	0.0	0.0	14.4	12.5	6.2	3.2
1074	Macaroni, noodles, couscous and similar farinaceous products	11	0.0	3.4	1.5	0.0	0.2	3.6	5.0	5.0
1075	Prepared meals and dishes	2	0.0	3.0	2.4	0.4	7.6	3.0	5.5	5.9
1079	Other food products n.e.c	34	0.3	0.6	1.0	-0.1	9.4	4.9	4.8	1.8
10791	<i>Tea</i>	5	1.7	2.7	11.0	0.0	15.1	10.9	23.1	16.0
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	29	0.1	0.3	-0.3	-0.1	8.7	4.2	2.5	0.0
1080	Animal feed	45	0.0	0.0	0.0	-1.5	-1.9	0.0	0.0	-1.5
<b>110</b>	<b>Beverages</b>	<b>179</b>	<b>0.3</b>	<b>1.5</b>	<b>3.0</b>	<b>0.0</b>	<b>6.6</b>	<b>7.1</b>	<b>9.7</b>	<b>4.8</b>
1101	Distilled potable alcoholic beverages	65	0.7	3.4	6.7	0.0	8.5	12.2	19.7	11.1
1102	Wines	13	0.0	1.0	1.8	0.0	12.0	5.2	7.0	2.8
1103	Malt liquors and malt including non alcoholic beer	74	0.0	0.4	0.7	0.0	4.2	3.5	2.9	1.1
1104	Soft drinks, mineral waters and other bottled waters	27	0.0	0.0	0.0	0.0	5.3	5.3	5.3	0.0

**Table 3(c) - Quarterly percentage change for Manufacture of Chemicals and Chemical Products & Rubber and Plastic Products by industry group, 1<sup>st</sup> Quarter 2016 -4<sup>th</sup> Quarter 2017**

Base period:Year 2013=100

NSIC	Industry group	Weight								
			4th Qr 16 to 1st Qr 17	1st Qr 17 to 2nd Qr 17	2nd Qr 17 to 3rd Qr 17	3rd Qr 17 to 4th Qr 17	1st Qr 16 to 1st Qr 17	2nd Qr 16 to 2nd Qr 17	3rd Qr 16 to 3rd Qr 17	4th Qr 16 to 4th Qr 17
<b>20</b>	<b>Chemicals and chemical products</b>	<b>69</b>	<b>0.4</b>	<b>-0.2</b>	<b>-0.2</b>	<b>0.7</b>	<b>5.9</b>	<b>1.2</b>	<b>0.6</b>	<b>0.7</b>
2011	Basic chemicals	9	2.5	0.4	0.0	3.6	7.0	2.9	2.9	6.6
2012	Manufacture of fertilizers and nitrogen compounds	8	0.0	-3.5	-1.8	0.0	0.0	-3.5	-5.2	-5.2
2022	Paints, varnishes and similar coatings, printing ink and mastics	26	0.2	0.0	0.0	0.0	7.7	1.7	1.7	0.2
2023	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	26	0.2	0.1	0.1	0.6	5.3	1.4	0.4	0.9
<b>22</b>	<b>Rubber and plastic products</b>	<b>31</b>	<b>0.2</b>	<b>0.3</b>	<b>1.6</b>	<b>0.3</b>	<b>6.6</b>	<b>3.9</b>	<b>2.1</b>	<b>2.4</b>
2211	Rubber tyres and tubes, retreading and rebuilding of rubber tyres	5	0.0	0.0	3.3	1.7	3.9	4.9	3.3	5.1
2220	Plastic products	26	0.2	0.4	1.4	0.0	7.1	3.7	1.9	1.9

**Table 4(a) - Comparative monthly and quarterly indices of the Manufacturing Sector, January 2008 - Dec 2017**

Base period: Year 2013=100

Month	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
January	82.6	85.7	83.2	89.1	94.6	98.6	100.1	101.6	101.6	104.3
February	83.3	83.3	83.3	91.9	94.3	99.9	100.1	101.5	101.5	104.1
March	84.0	83.4	83.4	91.5	93.9	100.0	100.3	102.0	102.0	104.4
<b>Average 1<sup>st</sup> Quarter</b>	<b>83.3</b>	<b>84.1</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>
April	84.7	82.7	84.1	91.5	94.4	100.0	100.4	101.9	101.9	104.3
May	84.9	82.0	84.8	91.7	94.5	99.9	100.4	101.9	102.1	104.3
June	84.6	81.8	85.3	92.3	94.9	99.8	100.6	102.1	102.2	105.1
<b>Average 2<sup>nd</sup> Quarter</b>	<b>84.7</b>	<b>82.2</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>102.0</b>	<b>104.6</b>
July	85.1	82.3	85.3	92.6	95.4	100.1	100.6	102.3	102.8	105.1
August	86.7	82.3	85.4	92.9	95.5	100.1	100.3	103.1	102.8	105.2
September	87.9	82.2	85.2	93.0	95.6	100.0	100.3	103.3	103.0	105.3
<b>Average 3<sup>rd</sup> Quarter</b>	<b>86.6</b>	<b>82.3</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>
October	88.8	82.6	85.4	94.1	96.9	100.1	100.4	103.4	103.7	105.4
November	88.8	82.7	86.6	94.6	97.8	100.9	100.3	103.5	104.3	106.2
December	88.6	82.7	87.1	94.9	97.8	100.5	100.0	103.5	104.3	106.1
<b>Average 4<sup>th</sup> Quarter</b>	<b>88.7</b>	<b>82.7</b>	<b>86.4</b>	<b>94.6</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>Yearly average</b>	<b>85.8</b>	<b>82.8</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>Annual change (%)</b>	<b>15.0</b>	<b>-3.5</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>

**Table 4(b) - Comparative monthly and quarterly indices for Manufacture of Food Products & Beverages, January 2008 - Dec 2017**

Base period: Year 2013=100

Month	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
January	83.1	86.2	81.5	85.5	93.5	97.4	100.5	100.5	100.6	103.8
February	84.0	82.6	81.7	90.0	92.4	99.7	100.0	100.3	100.4	103.6
March	85.1	82.7	81.9	89.2	92.4	99.9	100.0	101.0	101.1	103.6
<b>Average 1<sup>st</sup> Quarter</b>	<b>84.1</b>	<b>83.9</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>
April	85.9	82.8	82.0	89.4	93.1	100.0	100.0	101.0	100.1	103.6
May	86.2	81.8	82.5	89.4	93.3	100.1	100.1	100.9	100.2	103.8
June	85.9	81.4	82.7	89.5	93.8	100.1	100.4	101.2	100.5	105.1
<b>Average 2<sup>nd</sup> Quarter</b>	<b>86.0</b>	<b>82.0</b>	<b>82.4</b>	<b>89.4</b>	<b>93.4</b>	<b>100.0</b>	<b>100.2</b>	<b>101.1</b>	<b>100.3</b>	<b>104.2</b>
July	85.9	81.9	82.7	89.8	94.4	100.2	100.4	101.3	100.9	104.9
August	87.4	81.9	82.9	90.1	94.5	100.2	100.1	102.0	101.3	104.9
September	88.8	81.6	82.8	90.5	94.4	100.0	100.4	102.6	101.7	105.0
<b>Average 3<sup>rd</sup> Quarter</b>	<b>87.4</b>	<b>81.8</b>	<b>82.8</b>	<b>90.2</b>	<b>94.4</b>	<b>100.2</b>	<b>100.3</b>	<b>102.0</b>	<b>101.3</b>	<b>104.9</b>
October	90.0	81.4	82.5	92.4	95.5	99.8	100.4	102.7	102.9	105.2
November	90.7	81.3	84.1	92.9	96.9	101.5	100.5	102.9	103.9	105.2
December	90.6	81.2	84.9	93.3	96.8	101.1	99.9	102.8	103.9	104.9
<b>Average 4<sup>th</sup> Quarter</b>	<b>90.4</b>	<b>81.3</b>	<b>83.9</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>Yearly average</b>	<b>87.0</b>	<b>82.2</b>	<b>82.7</b>	<b>90.2</b>	<b>94.3</b>	<b>100.0</b>	<b>100.2</b>	<b>101.6</b>	<b>101.5</b>	<b>104.5</b>
<b>Annual change (%)</b>	<b>19.7</b>	<b>-5.5</b>	<b>0.6</b>	<b>9.1</b>	<b>4.5</b>	<b>6.0</b>	<b>0.2</b>	<b>1.4</b>	<b>-0.1</b>	<b>3.0</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.