

# PRODUCER PRICE INDEX - MANUFACTURING (PPI-M)

1<sup>st</sup> Quarter 2014

(Base year: 2007 =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 Economic and Social Indicators (ESI) presents a series of the monthly and quarterly PPI-M for the period April 2013 to March 2014. The weights for the PPI-M have been derived from the results of the 2007 Census of Economic Activities and the index is computed with the year 2007 as base period (2007 = 100). Indices prior to April 2013 are now posted on Statistics Mauritius website in the historical series of manufacturing statistics.

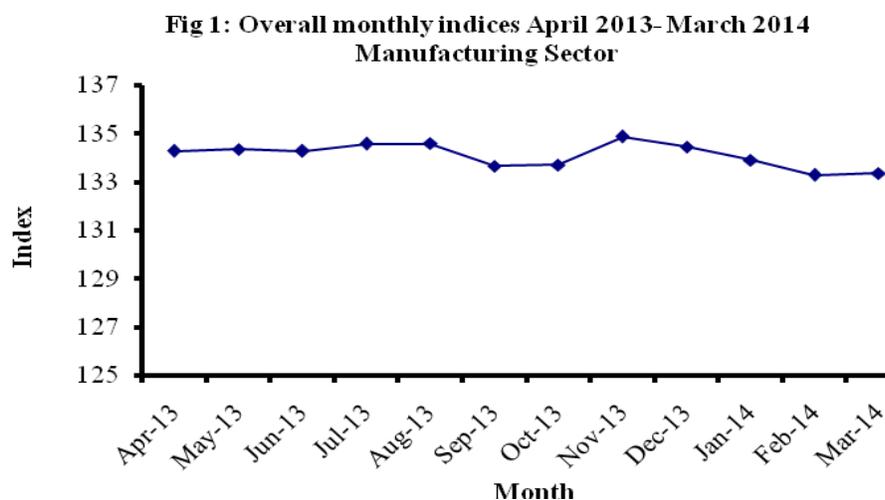
The link to the series is <http://statsmauritius.gov.mu/English/StatsbySubj/Pages/Manufacturing.aspx>

The methodology used and the weight structure are given in the technical notes at Annex.

## 2. Changes during first quarter 2014

### 2.1 Manufacturing Sector

The Producer Price Index for the manufacturing sector registered a decrease of 1.0 point (-0.8%) from 134.4 in December 2013 to 133.4 in March 2014.

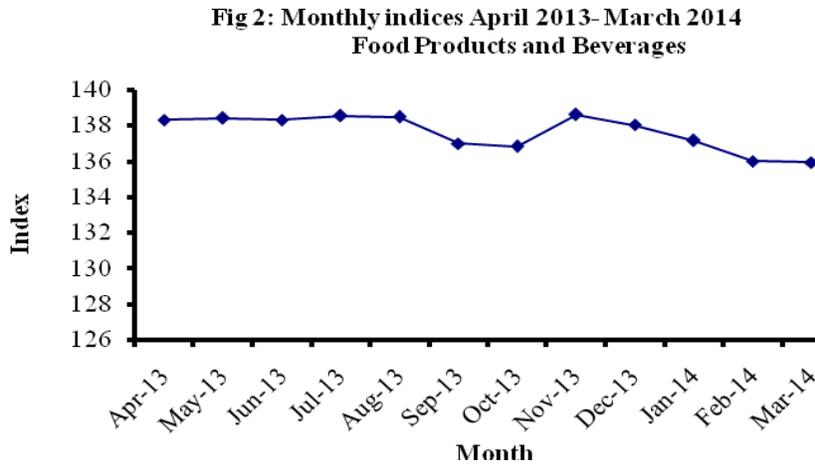


On a monthly basis, the PPI-M lost 0.5 point (-0.4%) in January 2014 and 0.6 point (-0.5%) in February 2014. However, it gained 0.1 point (+0.1%) in March 2014 (Table 1a).

The main reasons for the net decrease (-0.8%) from December 2013 to March 2014 were lower prices of “Basic metals” (-2.4%) and “Food products and beverages” (-1.5%), partly offset by higher prices of “Wearing apparel” (+2.7%).

## 2.2 Manufacture of Food Products and Beverages

The Producer Price Index for “Food products and beverages”, which accounts for almost 60% of the weights, registered a net decrease of 2.1 points (-1.5%) from 138.0 in December 2013 to 135.9 in March 2014.



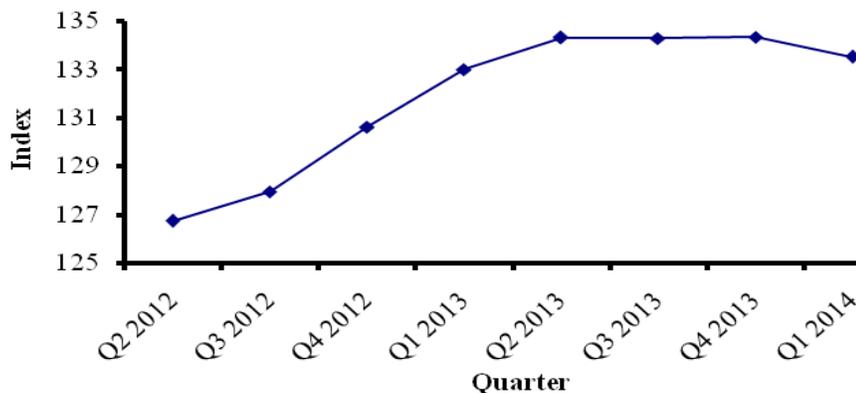
On a monthly basis, the index for this activity group decreased by 0.9 point (-0.6%) in January 2014, 1.1 points (-0.8%) in February 2014 and 0.1 point in March 2014 (Table 1b).

The decrease of 2.1 points (-1.5%) from December 2013 to March 2014 was mainly attributable to lower prices of “Grain mill products” (-8.6) and “Animal feed” (-4.5%), partly offset by higher prices of “Biscuits, other dry bakery products, cocoa, chocolate and sugar confectionery” (+2.0%).

## 3. Change in quarterly PPI-M, 4<sup>th</sup> quarter 2013 to 1<sup>st</sup> quarter 2014

### 3.1 Manufacturing Sector

**Fig 3: Overall quarterly indices:  
2<sup>nd</sup> Quarter 2012 to 1<sup>st</sup> Quarter 2014  
Manufacturing Sector**

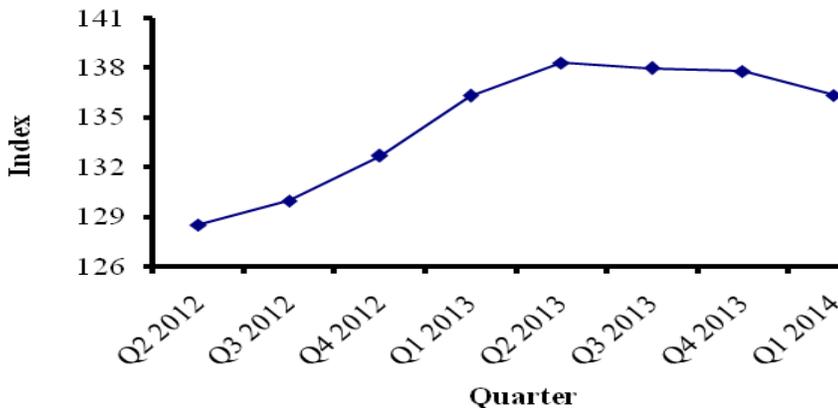


The average quarterly PPI-M, decreased by 0.8 point from fourth quarter of 2013 to the first quarter of 2014 (Table 2a).

Compared to the corresponding quarter of 2013, the average PPI-M for the first quarter of 2014 was up by 0.5 point or +0.4% from 133.0 in the first quarter of 2013. This is attributable to rises in the prices of “Wearing apparel” (+6.2%), “Fabricated metal products” (+3.9%), “Leather and related products” (+3.6%) and “Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products” (+3.0%).

### 3.2 Manufacture of Food Products and Beverages

**Fig 4: Quarterly indices:  
2<sup>nd</sup> Quarter 2012 to 1<sup>st</sup> Quarter 2014  
Food Products and Beverages**



Compared to the previous quarter of 2013, the index for “Food products and beverages” decreased by 1.4 point (-1.1%). The prices of “Food products” went down by 3.0 points (-2.3%), explained by a decrease in the prices of “Grain mill products” (-11.5%). The 2.7 points increase in the prices of “Beverages” is explained by higher prices of “Distilled potable alcoholic beverages” (+2.5%).

Compared to the first quarter of 2013, the index for “Food products and beverages” registered an increase of 0.1 point, explained by an increase of 9.5 points (+6.1%) in the prices of “Beverages”, partly offset by a decrease of 3.5 points (-2.7%) in the prices of “Food products”.

#### 4. Yearly Index

The average yearly index for the manufacturing sector as a whole was 134.0 in 2013, i.e. 6.1 points (+4.8%) higher than the figure of 127.9 in 2012. The index for the manufacture of food products and beverages was 137.6 in 2013 compared to 129.7 in 2012, i.e. an increase of 7.9 points (+6.1%).

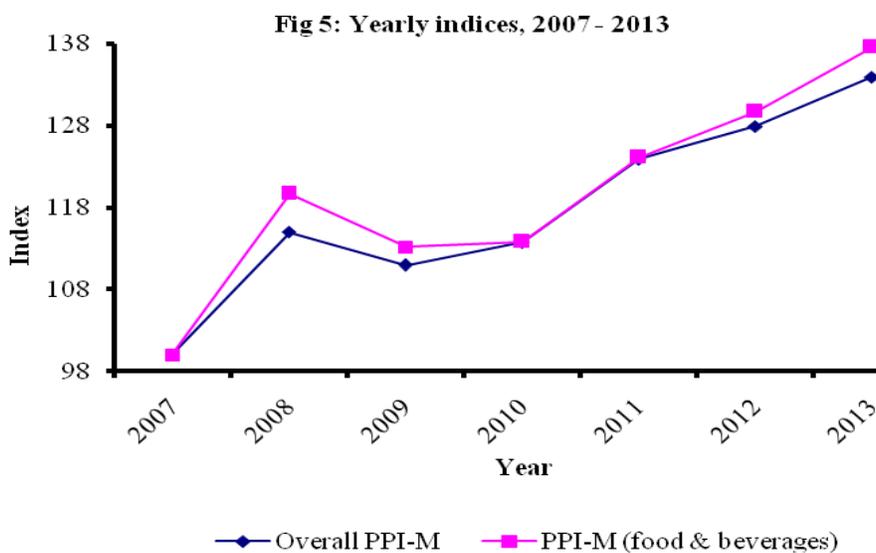


Figure 5 shows that after a high rise in 2008, the yearly index for the manufacturing sector as a whole as well as that for the manufacture of food products and beverages declined in 2009. A steady rise is then noted as from 2010.

#### Statistics Mauritius

Ministry of Finance and Economic Development  
Port Louis  
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**Contact Persons:**

Mrs. N. Guillaume (Statistician)  
and  
Mrs P. Mulliah (Senior Statistical Officer)

Statistics Unit  
Ministry of Industry, Commerce and Consumer Protection  
8<sup>th</sup> Floor, Air Mauritius Bldg., Port-Louis

Tel. (230) 211 5356      Fax: (230) 212 8429  
Website: <http://statsmauritius.gov.mu>

**Table 1(a) - Monthly indices by industry group, April 2013 to March 2014 - Manufacturing Sector.**

Year 2007 = 100

NSIC	Industry group	Weight	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Percentage change from		
															Dec 13 to Jan 14	Jan 14 to Feb 14	Feb 14 to Mar 14
10/11	Food products and beverages	608	138.3	138.4	138.3	138.5	138.5	137.0	136.8	138.6	138.0	137.1	136.0	135.9	-0.6	-0.8	0.0
13	Textiles	4	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	0.0	0.0	0.0
14	Wearing apparel	16	176.4	177.0	178.2	178.2	179.6	179.6	179.6	179.6	180.4	182.4	184.4	185.4	1.1	1.1	0.5
15	Leather and related products	2	175.3	175.3	175.3	176.2	176.2	176.2	178.4	178.4	178.4	178.4	178.4	178.4	0.0	0.0	0.0
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	15	120.2	120.4	120.4	120.3	120.3	123.8	123.8	123.8	123.8	123.8	123.9	123.9	0.0	0.1	0.0
18	Printing and reproduction of recorded media	56	138.0	138.0	136.3	136.9	136.5	136.4	138.9	139.1	138.5	136.3	137.9	137.9	-1.6	1.2	0.0
20	Chemicals and chemical products	107	140.6	141.2	141.2	141.2	141.7	141.7	142.3	143.2	143.2	143.2	143.2	143.7	0.0	0.0	0.3
22	Rubber and plastic products	59	110.4	110.2	110.7	110.7	110.7	110.8	110.8	110.8	110.6	110.6	111.2	111.2	0.0	0.5	0.0
23	Other non-metallic mineral products	3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	0.0	0.0	0.0
24	Basic metals	35	108.8	108.8	108.8	108.7	108.7	108.7	108.7	108.7	108.7	108.7	106.2	106.2	0.0	-2.4	0.0
25	Fabricated metal products	38	102.2	102.2	102.2	105.8	105.8	105.8	103.9	103.9	103.9	105.8	106.2	106.6	1.8	0.3	0.5
27	Electrical equipment	12	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	0.0	0.0	0.0
28	Machinery and equipment, n.e.c	12	123.6	123.6	123.6	123.6	123.6	123.6	123.6	123.6	123.6	123.6	123.6	123.6	0.0	0.0	0.0
29	Motor vehicles, trailers and semi-trailers	3	149.1	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	0.0	0.0	0.0
30	Other transport equipment	4	81.4	81.3	81.4	81.6	82.0	82.0	81.9	81.9	82.0	82.0	82.0	82.0	0.0	-0.1	0.0
31	Furniture	20	131.6	131.2	131.2	131.6	131.0	131.0	131.0	131.0	131.0	131.0	130.9	130.9	0.0	-0.1	0.0
32	Other products	6	223.2	217.5	217.5	217.5	217.5	206.4	206.4	202.6	196.9	196.9	196.9	202.9	0.0	0.0	3.1
<b>10-33</b>	<b>Total manufacturing</b>	<b>1,000</b>	<b>134.3</b>	<b>134.4</b>	<b>134.3</b>	<b>134.6</b>	<b>134.6</b>	<b>133.7</b>	<b>133.7</b>	<b>134.9</b>	<b>134.4</b>	<b>133.9</b>	<b>133.3</b>	<b>133.4</b>	<b>-0.4</b>	<b>-0.5</b>	<b>0.1</b>

**Table 1(b) - Monthly indices by industry group, April 2013 to March 2014 - Manufacture of Food Products & Beverages.**

Year 2007 = 100

NSIC	Industry group	Weight	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Percentage change from		
															Dec 13 to Jan 14	Jan 14 to Feb 14	Feb 14 to Mar 14
<b>101-108</b>	<b>Food products</b>	<b>442</b>	<b>131.4</b>	<b>131.5</b>	<b>131.4</b>	<b>131.6</b>	<b>131.6</b>	<b>129.5</b>	<b>129.3</b>	<b>129.5</b>	<b>128.3</b>	<b>127.1</b>	<b>125.5</b>	<b>125.5</b>	<b>-0.9</b>	<b>-1.3</b>	<b>0.0</b>
1010	Processing and preserving of meat	143	112.2	112.2	112.2	112.2	112.2	112.2	112.3	112.3	112.3	112.3	112.3	112.3	0.0	0.0	0.0
1020	Processing and preserving of fish, crustaceans & molluscs	9	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	169.7	169.7	169.7	169.7	0.0	0.0	0.0
1030	Processing and preserving of fruits and vegetables	14	129.7	129.7	129.7	132.7	132.7	129.5	129.5	130.7	135.8	136.8	136.8	136.8	0.8	0.0	0.0
1040	Vegetable and animal oils and fats	44	140.4	140.4	140.4	139.9	139.9	132.3	132.3	132.3	131.8	131.8	131.8	131.8	0.0	0.0	0.0
1050	Dairy products	22	124.0	124.0	124.0	124.0	124.0	126.1	126.1	127.0	127.2	127.2	127.2	127.2	0.0	0.0	0.0
1061	Grain mill products	75	135.2	135.8	135.2	135.5	135.1	134.7	133.3	133.6	125.3	117.7	114.9	114.5	-6.1	-2.3	-0.3
1071	Bakery products	35	121.7	121.7	121.7	122.4	122.4	122.4	122.4	123.3	124.0	124.6	124.8	124.8	0.5	0.2	0.0
10711/ 10712	<i>Bread/Pastries and cakes</i>	26	125.1	125.1	125.1	125.9	125.9	125.9	125.9	127.1	128.1	128.1	128.4	128.4	0.0	0.3	0.0
10713/ 10730	<i>Biscuits, other dry bakery products, cocoa, chocolate and sugar confectionery</i>	9	112.2	112.2	112.2	112.2	112.2	112.3	112.3	112.3	112.4	114.6	114.6	114.6	2.0	0.0	0.0
1074	Macaroni, noodles, couscous and similar farinaceous products	12	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	0.0	0.0	0.0
1079	Other food products n.e.c	15	128.0	128.5	128.2	131.7	131.6	131.6	131.8	131.4	131.7	132.0	132.1	132.3	0.2	0.1	0.1
10791	<i>Tea</i>	9	126.6	127.4	126.9	132.6	132.4	132.4	132.7	132.1	132.7	133.2	133.4	133.6	0.3	0.2	0.2
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	6	130.0	130.0	130.0	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	0.0	0.0	0.0
1080	Animal feed	73	162.9	162.9	162.9	162.9	162.9	155.4	155.4	155.4	155.4	155.4	148.5	148.5	0.0	-4.5	0.0
<b>110</b>	<b>Beverages</b>	<b>166</b>	<b>156.8</b>	<b>156.8</b>	<b>156.8</b>	<b>156.9</b>	<b>156.9</b>	<b>156.9</b>	<b>156.9</b>	<b>162.8</b>	<b>163.9</b>	<b>163.9</b>	<b>163.9</b>	<b>163.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
1101	Distilled potable alcoholic beverages	42	165.3	165.3	165.3	165.3	165.3	165.3	165.3	178.6	178.6	178.6	178.6	178.6	0.0	0.0	0.0
1102	Wines	11	175.4	175.4	175.4	176.2	176.2	176.2	176.2	178.2	178.2	178.2	178.2	178.2	0.0	0.0	0.0
1103	Malt liquors and malt including non alcoholic beer	87	151.5	151.5	151.5	151.5	151.5	151.5	151.5	156.2	157.0	157.0	157.0	157.0	0.0	0.0	0.0
1104	Soft drinks, mineral waters and other bottled waters	26	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	156.9	156.9	156.9	156.9	0.0	0.0	0.0
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>608</b>	<b>138.3</b>	<b>138.4</b>	<b>138.3</b>	<b>138.5</b>	<b>138.5</b>	<b>137.0</b>	<b>136.8</b>	<b>138.6</b>	<b>138.0</b>	<b>137.1</b>	<b>136.0</b>	<b>135.9</b>	<b>-0.6</b>	<b>-0.8</b>	<b>0.0</b>

**Table 1(c) - Monthly indices by industry group, April 2013 to March 2014 - Manufacture of Chemicals and Chemical Products & Rubber and Plastic Products.**

Year 2007 = 100

NSIC	Industry group	Weight	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Percentage change from		
															Dec 13 to Jan 14	Jan 14 to Feb 14	Feb 14 to Mar 14
20	<b>Chemicals and chemical products</b>	107	140.6	141.2	141.2	141.2	141.7	141.7	142.3	143.2	143.2	143.2	143.2	143.7	0.0	0.0	0.3
2011	<i>Basic chemicals</i>	22	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	0.0	0.0	0.0
2022	<i>Paints, varnishes and similar coatings, printing ink and mastics</i>	40	130.8	130.8	130.8	130.8	130.8	130.8	132.4	134.8	134.8	134.8	134.8	134.8	0.0	0.0	0.0
2023	<i>Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations</i>	45	150.7	152.1	152.1	152.1	153.4	153.4	153.4	153.4	153.2	153.2	153.2	154.4	0.0	0.0	0.7
22	<b>Rubber and plastic products</b>	59	110.4	110.2	110.7	110.7	110.7	110.8	110.8	110.8	110.6	110.6	111.2	111.2	0.0	0.5	0.0
2211	<i>Rubber tyres and tubes, retreading and rebuilding of rubber tyres</i>	7	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	0.0	0.0	0.0
2219	<i>Other rubber products e.g balloons, pipes and transmission belts</i>	2	69.9	68.8	59.5	59.5	59.5	59.5	59.5	60.2	60.2	60.2	60.2	60.2	0.0	0.0	0.0
2220	<i>Plastic products</i>	50	104.7	104.4	105.3	105.3	105.3	105.4	105.4	105.4	105.2	105.2	105.9	105.9	0.0	0.7	0.0

**Table 2(a) - Quarterly & yearly indices by industry group, 2012 - 2014 - Manufacturing Sector.**

Year 2007 = 100

NSIC	Industry group	Weight	2012					2013					2014
			1 <sup>st</sup> Qr.	2 <sup>nd</sup> Qr.	3 <sup>rd</sup> Qr.	4 <sup>th</sup> Qr.	Year Average	1 <sup>st</sup> Qr.	2 <sup>nd</sup> Qr.	3 <sup>rd</sup> Qr.	4 <sup>th</sup> Qr.	Year Average	1 <sup>st</sup> Qr.
10/11	Food products and beverages	608	127.7	128.5	130.0	132.7	129.7	136.3	138.3	138.0	137.8	137.6	136.4
13	Textiles	4	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2
14	Wearing apparel	16	150.3	154.1	165.5	169.9	160.0	173.3	177.2	179.1	179.9	177.4	184.1
15	Leather and related products	2	170.7	170.7	170.7	170.7	170.7	172.3	175.3	176.2	178.4	175.5	178.4
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	15	119.7	120.0	120.2	120.2	120.0	120.2	120.3	121.5	123.8	121.5	123.9
18	Printing and reproduction of recorded media	56	136.8	136.8	136.5	137.6	136.9	137.6	137.4	136.6	138.8	137.6	137.4
20	Chemicals and chemical products	107	132.6	132.9	133.4	139.5	134.6	140.0	141.0	141.6	142.9	141.4	143.3
22	Rubber and plastic products	59	111.1	110.1	110.1	109.7	110.2	109.4	110.4	110.7	110.7	110.3	111.0
23	Other non-metallic mineral products	3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
24	Basic metals	35	106.7	106.3	106.3	109.1	107.1	109.0	108.8	108.7	108.7	108.8	107.0
25	Fabricated metal products	38	105.0	102.8	102.8	102.2	103.2	102.2	102.2	105.8	103.9	103.6	106.2
27	Electrical equipment	12	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
28	Machinery and equipment, n.e.c	12	118.5	118.5	118.5	118.5	118.5	123.6	123.6	123.6	123.6	123.6	123.6
29	Motor vehicles, trailers and semi-trailers	3	148.4	152.3	152.3	152.3	151.3	153.0	150.8	151.6	151.6	151.8	151.6
30	Other transport equipment	4	80.2	79.8	79.8	80.8	80.2	81.1	81.3	81.8	81.9	81.6	82.0
31	Furniture	20	121.7	122.0	125.3	131.4	125.1	131.4	131.4	131.2	131.0	131.3	131.0
32	Other products	6	225.7	225.7	232.5	241.3	231.3	242.6	219.4	213.8	202.0	219.4	198.9
<b>10-33</b>	<b>Total manufacturing</b>	<b>1,000</b>	<b>126.3</b>	<b>126.7</b>	<b>127.9</b>	<b>130.6</b>	<b>127.9</b>	<b>133.0</b>	<b>134.3</b>	<b>134.3</b>	<b>134.3</b>	<b>134.0</b>	<b>133.5</b>

**Table 2(b) - Quarterly & yearly indices by industry group, 2012 - 2014 - Manufacture of Food Products & Beverages.**

Year 2007 = 100

NSIC	Industry group	Weight	2012					2013					2014
			1 <sup>st</sup> Qr.	2 <sup>nd</sup> Qr.	3 <sup>rd</sup> Qr.	4 <sup>th</sup> Qr.	Year Average	1 <sup>st</sup> Qr.	2 <sup>nd</sup> Qr.	3 <sup>rd</sup> Qr.	4 <sup>th</sup> Qr.	Year Average	1 <sup>st</sup> Qr.
<b>101-108</b>	<b>Food products</b>	<b>442</b>	<b>123.4</b>	<b>123.1</b>	<b>125.1</b>	<b>127.1</b>	<b>124.7</b>	<b>129.5</b>	<b>131.4</b>	<b>130.9</b>	<b>129.0</b>	<b>130.2</b>	<b>126.0</b>
1010	Processing and preserving of meat	143	109.7	109.7	112.5	114.3	111.6	111.3	112.2	112.2	112.3	112.0	112.3
1020	Processing and preserving of fish, crustaceans & molluscs	9	159.0	163.3	167.0	163.7	163.2	167.0	167.0	167.0	167.9	167.2	169.7
1030	Processing and preserving of fruits and vegetables	14	119.6	121.0	121.8	123.2	121.4	125.2	129.7	131.7	132.0	129.6	136.8
1040	Vegetable and animal oils and fats	44	144.3	143.9	144.3	143.3	143.9	141.0	140.4	137.3	132.2	137.7	131.8
1050	Dairy products	22	121.9	121.9	121.9	122.6	122.1	124.0	124.0	124.7	126.8	124.9	127.2
1061	Grain mill products	75	112.1	109.0	112.2	112.5	111.5	126.9	135.4	135.1	130.7	132.0	115.7
1071	Bakery products	35	115.1	116.6	121.0	121.0	118.4	121.7	121.7	122.4	123.2	122.3	124.7
10711/ 10712	<i>Bread/Pastries and cakes</i>	26	<i>117.3</i>	<i>119.3</i>	<i>125.1</i>	<i>125.1</i>	121.7	<i>125.1</i>	<i>125.1</i>	<i>125.9</i>	<i>127.0</i>	125.8	128.3
10713/ 10730	<i>Biscuits, other dry bakery products, cocoa, chocolate and sugar confectionery</i>	9	<i>109.2</i>	<i>109.2</i>	<i>109.2</i>	<i>109.2</i>	109.2	<i>112.2</i>	<i>112.2</i>	<i>112.3</i>	<i>112.3</i>	112.3	114.6
1074	Macaroni, noodles, couscous and similar farinaceous products	12	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4
1079	Other food products n.e.c	15	128.3	128.7	129.1	128.6	128.7	127.2	128.2	131.6	131.6	129.7	132.1
10791	<i>Tea</i>	9	<i>128.0</i>	<i>128.8</i>	<i>129.4</i>	<i>128.2</i>	128.6	<i>125.3</i>	<i>127.0</i>	<i>132.5</i>	<i>132.5</i>	129.3	133.4
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	6	<i>128.7</i>	<i>128.7</i>	<i>128.7</i>	<i>129.1</i>	128.8	<i>130.0</i>	<i>130.0</i>	<i>130.4</i>	<i>130.4</i>	130.2	130.4
1080	Animal feed	73	147.6	147.6	147.6	157.0	150.0	162.9	162.9	160.4	155.4	160.4	150.8
<b>110</b>	<b>Beverages</b>	<b>166</b>	<b>139.1</b>	<b>143.0</b>	<b>143.0</b>	<b>147.6</b>	<b>143.2</b>	<b>154.4</b>	<b>156.8</b>	<b>156.9</b>	<b>161.2</b>	<b>157.3</b>	<b>163.9</b>
1101	Distilled potable alcoholic beverages	42	151.5	156.4	156.4	162.3	156.6	165.3	165.3	165.3	174.1	167.5	178.6
1102	Wines	11	173.5	173.5	173.5	174.7	173.8	175.4	175.4	176.2	177.5	176.1	178.2
1103	Malt liquors and malt including non alcoholic beer	87	126.9	130.7	130.7	136.4	131.2	147.4	151.5	151.5	154.9	151.4	157.0
1104	Soft drinks, mineral waters and other bottled waters	26	145.8	150.2	150.2	150.2	149.1	151.1	153.0	153.0	154.3	152.9	156.9
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>608</b>	<b>127.7</b>	<b>128.5</b>	<b>130.0</b>	<b>132.7</b>	<b>129.7</b>	<b>136.3</b>	<b>138.3</b>	<b>138.0</b>	<b>137.8</b>	<b>137.6</b>	<b>136.4</b>

**Table 2(c) - Quarterly & yearly indices by industry group, 2012 - 2014 - Manufacture of Chemicals and Chemical Products & Rubber and Plastic Products.**

Year 2007 = 100

NSIC	Industry group	Weight	2012					2013					2014
			1 <sup>st</sup> Qr.	2 <sup>nd</sup> Qr.	3 <sup>rd</sup> Qr.	4 <sup>th</sup> Qr.	Year Average	1 <sup>st</sup> Qr.	2 <sup>nd</sup> Qr.	3 <sup>rd</sup> Qr.	4 <sup>th</sup> Qr.	Year Average	1 <sup>st</sup> Qr.
20	<b>Chemicals and chemical products</b>	107	132.6	132.9	133.4	139.5	134.6	140.0	141.0	141.6	142.9	141.4	143.3
2011	<i>Basic chemicals</i>	22	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1
2022	<i>Paints, varnishes and similar coatings, printing ink and mastics</i>	40	122.9	122.9	122.9	130.8	124.9	130.8	130.8	130.8	134.0	131.6	134.8
2023	<i>Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations</i>	45	138.7	139.4	140.6	148.0	141.7	149.1	151.7	152.9	153.3	151.8	153.6
22	<b>Rubber and plastic products</b>	59	111.1	110.1	110.1	109.7	110.2	109.4	110.4	110.7	110.7	110.3	111.0
2211	<i>Rubber tyres and tubes, retreading and rebuilding of rubber tyres</i>	7	145.2	152.3	152.3	152.3	150.5	154.8	159.9	159.9	159.9	158.6	159.9
2219	<i>Other rubber products e.g balloons, pipes and transmission belts</i>	2	68.8	68.1	67.9	69.3	68.5	70.4	66.1	59.5	60.0	64.0	60.2
2220	<i>Plastic products</i>	50	107.6	105.4	105.4	105.0	105.9	104.1	104.8	105.4	105.3	104.9	105.7

Table 3(a) - Quarterly percentage change by industry group, 2012 - 2014 - Manufacturing Sector.

Year 2007 = 100

NSIC	Industry group	Weight	Percentage change from							
			1 <sup>st</sup> Qr 13 to 2 <sup>nd</sup> Qr 13	2 <sup>nd</sup> Qr 13 to 3 <sup>rd</sup> Qr 13	3 <sup>rd</sup> Qr 13 to 4 <sup>th</sup> Qr 13	4 <sup>th</sup> Qr 13 to 1 <sup>st</sup> Qr 14	2 <sup>nd</sup> Qr 12 to 2 <sup>nd</sup> Qr 13	3 <sup>rd</sup> Qr 12 to 3 <sup>rd</sup> Qr 13	4 <sup>th</sup> Qr 12 to 4 <sup>th</sup> Qr 13	1 <sup>st</sup> Qr 13 to 1 <sup>st</sup> Qr 14
10/11	Food products and beverages	608	1.5	-0.3	-0.1	-1.1	7.6	6.2	3.9	0.0
13	Textiles	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	Wearing apparel	16	2.3	1.1	0.4	2.3	15.0	8.2	5.9	6.2
15	Leather and related products	2	1.8	0.5	1.3	0.0	2.7	3.2	4.5	3.6
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	15	0.1	1.0	1.9	0.1	0.3	1.1	3.0	3.0
18	Printing and reproduction of recorded media	56	-0.1	-0.6	1.6	-1.1	0.4	0.1	0.9	-0.2
20	Chemicals and chemical products	107	0.7	0.4	1.0	0.3	6.1	6.1	2.5	2.4
22	Rubber and plastic products	59	1.0	0.3	0.0	0.3	0.3	0.6	0.9	1.5
23	Other non-metallic mineral products	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	Basic metals	35	-0.2	-0.1	0.0	-1.6	2.4	2.3	-0.3	-1.9
25	Fabricated metal products	38	0.0	3.6	-1.8	2.2	-0.6	3.0	1.7	3.9
27	Electrical equipment	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	Machinery and equipment, n.e.c	12	0.0	0.0	0.0	0.0	4.4	4.4	4.4	0.0
29	Motor vehicles, trailers and semi-trailers	3	-1.5	0.6	0.0	0.0	-1.0	-0.5	-0.5	-0.9
30	Other transport equipment	4	0.3	0.6	0.1	0.1	1.9	2.5	1.4	1.0
31	Furniture	20	0.0	-0.1	-0.1	-0.1	7.7	4.7	-0.3	-0.3
32	Other products	6	-9.6	-2.6	-5.5	-1.5	-2.8	-8.0	-16.3	-18.0
<b>10-33</b>	<b>Total manufacturing</b>	<b>1,000</b>	1.0	0.0	0.1	-0.6	6.0	4.9	2.8	0.4

Table 3(b) - Quarterly percentage change by industry group, 2012 - 2014 - Manufacture of Food Products & Beverages.

Year 2007 = 100

NSIC	Industry group	Weight	Percentage change from							
			1 <sup>st</sup> Qr 13 to 2 <sup>nd</sup> Qr 13	2 <sup>nd</sup> Qr 13 to 3 <sup>rd</sup> Qr 13	3 <sup>rd</sup> Qr 13 to 4 <sup>th</sup> Qr 13	4 <sup>th</sup> Qr 13 to 1 <sup>st</sup> Qr 14	2 <sup>nd</sup> Qr 12 to 2 <sup>nd</sup> Qr 13	3 <sup>rd</sup> Qr 12 to 3 <sup>rd</sup> Qr 13	4 <sup>th</sup> Qr 12 to 4 <sup>th</sup> Qr 13	1 <sup>st</sup> Qr 13 to 1 <sup>st</sup> Qr 14
<b>101-108</b>	<b>Food products</b>	<b>442</b>	1.4	-0.4	-1.4	-2.3	6.7	4.7	1.5	-2.7
1010	Processing and preserving of meat	143	0.8	0.0	0.0	0.0	2.3	-0.3	-1.7	0.9
1020	Processing and preserving of fish, crustaceans & molluscs	9	0.0	0.0	0.5	1.1	2.3	0.0	2.6	1.6
1030	Processing and preserving of fruits and vegetables	14	3.6	1.5	0.2	3.7	7.2	8.1	7.1	9.3
1040	Vegetable and animal oils and fats	44	-0.4	-2.2	-3.8	-0.3	-2.4	-4.8	-7.8	-6.5
1050	Dairy products	22	0.0	0.6	1.7	0.4	1.7	2.3	3.4	2.6
1061	Grain mill products	75	6.7	-0.2	-3.2	-11.5	24.2	20.4	16.2	-8.8
1071	Bakery products	35	0.0	0.5	0.7	1.2	4.4	1.1	1.8	2.5
10711/ 10712	<i>Bread/Pastries and cakes</i>	26	0.0	0.7	0.9	1.0	4.8	0.7	1.5	2.5
10713/ 10730	<i>Biscuits, other dry bakery products, cocoa, chocolate and sugar confectionery</i>	9	0.0	0.0	0.1	2.0	2.8	2.8	2.9	2.1
1074	Macaroni, noodles, couscous and similar farinaceous products	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1079	Other food products n.e.c	15	0.8	2.6	0.0	0.4	-0.4	1.9	2.4	3.9
10791	<i>Tea</i>	9	1.3	4.3	0.0	0.7	-1.4	2.4	3.4	6.5
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	6	0.0	0.3	0.0	0.0	1.0	1.3	1.0	0.3
1080	Animal feed	73	0.0	-1.5	-3.1	-3.0	10.4	8.7	-1.0	-7.4
<b>110</b>	<b>Beverages</b>	<b>166</b>	1.6	0.0	2.8	1.7	9.6	9.7	9.2	6.1
1101	Distilled potable alcoholic beverages	42	0.0	0.0	5.4	2.5	5.7	5.7	7.3	8.0
1102	Wines	11	0.0	0.5	0.8	0.4	1.1	1.6	1.6	1.6
1103	Malt liquors and malt including non alcoholic beer	87	2.8	0.0	2.2	1.3	15.9	15.9	13.6	6.5
1104	Soft drinks, mineral waters and other bottled waters	26	1.2	0.0	0.8	1.7	1.9	1.9	2.7	3.8
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>608</b>	1.5	-0.3	-0.1	-1.1	7.6	6.2	3.9	0.0

**Table 3(c) - Quarterly percentage change by industry group, 2012 - 2014 - Manufacture of Chemicals and Chemical Products & Rubber and Plastic Products.**

Year 2007 = 100

NSIC	Industry group	Weight	Percentage change from							
			1 <sup>st</sup> Qr 13 to 2 <sup>nd</sup> Qr 13	2 <sup>nd</sup> Qr 13 to 3 <sup>rd</sup> Qr 13	3 <sup>rd</sup> Qr 13 to 4 <sup>th</sup> Qr 13	4 <sup>th</sup> Qr 13 to 1 <sup>st</sup> Qr 14	2 <sup>nd</sup> Qr 12 to 2 <sup>nd</sup> Qr 13	3 <sup>rd</sup> Qr 12 to 3 <sup>rd</sup> Qr 13	4 <sup>th</sup> Qr 12 to 4 <sup>th</sup> Qr 13	1 <sup>st</sup> Qr 13 to 1 <sup>st</sup> Qr 14
<b>20</b>	<b>Chemicals and chemical products</b>	<b>107</b>	0.7	0.4	1.0	0.3	6.1	6.1	2.5	2.4
2011	<i>Basic chemicals</i>	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	<i>Paints, varnishes and similar coatings, printing ink and mastics</i>	40	0.0	0.0	2.4	0.6	6.4	6.4	2.4	3.1
2023	<i>Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations</i>	45	1.7	0.8	0.2	0.2	8.8	8.8	3.6	3.0
<b>22</b>	<b>Rubber and plastic products</b>	<b>59</b>	1.0	0.3	0.0	0.3	0.3	0.6	0.9	1.5
2211	<i>Rubber tyres and tubes, retreading and rebuilding of rubber tyres</i>	7	3.3	0.0	0.0	0.0	5.0	5.0	5.0	3.3
2219	<i>Other rubber products e.g balloons, pipes and transmission belts</i>	2	-6.1	-9.9	0.7	0.4	-3.0	-12.3	-13.4	-14.4
2220	<i>Plastic products</i>	50	0.7	0.5	0.0	0.3	-0.6	-0.1	0.3	1.5

**Table 4(a) - Comparative monthly and quarterly indices, January 2007 to March 2014- Manufacturing Sector.**

**(Base: Year 2007 = 100)**

<b>Month</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>January</b>	92.9	110.7	114.8	111.4	119.3	126.7	131.1	133.9
<b>February</b>	94.2	111.6	111.6	111.6	123.1	126.3	133.8	133.3
<b>March</b>	94.7	112.5	111.8	111.7	122.7	125.8	134.1	133.4
<b>Average 1<sup>st</sup> Quarter</b>	<b>94.0</b>	<b>111.6</b>	<b>112.7</b>	<b>111.6</b>	<b>121.7</b>	<b>126.3</b>	<b>133.0</b>	<b>133.5</b>
<b>April</b>	98.6	113.4	110.7	112.6	122.5	126.5	134.3	
<b>May</b>	98.6	113.7	109.9	113.7	122.8	126.7	134.4	
<b>June</b>	101.7	113.4	109.6	114.3	123.7	127.1	134.3	
<b>Average 2<sup>nd</sup> Quarter</b>	<b>99.6</b>	<b>113.5</b>	<b>110.1</b>	<b>113.5</b>	<b>123.0</b>	<b>126.7</b>	<b>134.3</b>	
<b>July</b>	101.2	114.1	110.2	114.3	124.0	127.8	134.6	
<b>August</b>	101.2	116.1	110.3	114.3	124.4	128.0	134.6	
<b>September</b>	103.0	117.8	110.1	114.2	124.5	128.0	133.7	
<b>Average 3<sup>rd</sup> Quarter</b>	<b>101.8</b>	<b>116.0</b>	<b>110.2</b>	<b>114.3</b>	<b>124.3</b>	<b>127.9</b>	<b>134.3</b>	
<b>October</b>	103.7	118.9	110.7	114.4	126.1	129.8	133.7	
<b>November</b>	104.6	119.0	110.8	116.0	126.8	131.0	134.9	
<b>December</b>	105.0	118.7	110.8	116.7	127.1	131.0	134.4	
<b>Average 4<sup>th</sup> Quarter</b>	<b>104.5</b>	<b>118.9</b>	<b>110.8</b>	<b>115.7</b>	<b>126.7</b>	<b>130.6</b>	<b>134.3</b>	
<b>Yearly average</b>	<b>100.0</b>	<b>115.0</b>	<b>110.9</b>	<b>113.8</b>	<b>123.9</b>	<b>127.9</b>	<b>134.0</b>	
<b>Annual change (%)</b>		<b>15.0</b>	<b>-3.5</b>	<b>2.5</b>	<b>8.9</b>	<b>3.2</b>	<b>4.8</b>	

**Table 4(b) - Comparative monthly and quarterly sub - indices, January 2007 to March 2014- Food Products and Beverages.**

**(Base: Year 2007 = 100)**

<b>Month</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>January</b>	91.6	114.4	118.7	112.2	117.6	128.7	133.1	137.1
<b>February</b>	93.2	115.6	113.7	112.4	123.9	127.2	137.7	136.0
<b>March</b>	93.8	117.1	113.9	112.7	122.7	127.2	138.1	135.9
<i>Average 1<sup>st</sup> Quarter</i>	<i>92.9</i>	<i>115.7</i>	<i>115.4</i>	<i>112.4</i>	<i>121.4</i>	<i>127.7</i>	<i>136.3</i>	<i>136.4</i>
<b>April</b>	99.6	118.3	113.9	112.8	123.1	128.1	138.3	
<b>May</b>	99.7	118.6	112.5	113.5	123.0	128.4	138.4	
<b>June</b>	102.8	118.3	112.0	113.8	123.2	129.1	138.3	
<i>Average 2<sup>nd</sup> Quarter</i>	<i>100.7</i>	<i>118.4</i>	<i>112.8</i>	<i>113.4</i>	<i>123.1</i>	<i>128.5</i>	<i>138.3</i>	
<b>July</b>	101.1	118.3	112.7	113.8	123.6	129.9	138.5	
<b>August</b>	100.9	120.3	112.6	114.0	124.0	130.1	138.5	
<b>September</b>	103.3	122.2	112.3	113.9	124.6	129.9	137.0	
<i>Average 3<sup>rd</sup> Quarter</i>	<i>101.8</i>	<i>120.3</i>	<i>112.5</i>	<i>113.9</i>	<i>124.1</i>	<i>130.0</i>	<i>138.0</i>	
<b>October</b>	103.1	123.9	112.1	113.6	127.2	131.4	136.8	
<b>November</b>	105.2	124.8	111.8	115.8	127.9	133.4	138.6	
<b>December</b>	105.3	124.7	111.7	116.9	128.4	133.2	138.0	
<i>Average 4<sup>th</sup> Quarter</i>	<i>104.5</i>	<i>124.4</i>	<i>111.9</i>	<i>115.4</i>	<i>127.8</i>	<i>132.7</i>	<i>137.8</i>	
<b>Yearly average</b>	<b>100.0</b>	<b>119.7</b>	<b>113.2</b>	<b>113.8</b>	<b>124.1</b>	<b>129.7</b>	<b>137.6</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>6.1</b>	

## TECHNICAL NOTES

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

#### 1. Definition

The Producer Price Index (PPI-M) measure changes in the effective prices received by manufacturers for that part of their output which is sold on the domestic market. The index covers manufacturing establishments which supply their products on the domestic market.

It normally refers to a family of indices which includes:

- (a) Industry output prices indices;
- (b) Detailed commodity price indices; and
- (c) Stage-of-processing prices indices.

The concepts and definitions of the PPIs largely follow the guidelines provided in the IMF manual entitled “Producer Price Index Manual Theory and Practice”.

#### 2. Scope

The PPI-M covers all large manufacturing establishments (that is those employing 10 or more persons) falling within divisions 10 to 33 of the National Standard Industrial Classification Revision 2 (NSIC 2), whose output is mainly sold on the domestic market. The index therefore excludes Export Oriented Enterprises (EOE).

The following divisions have been excluded for reasons given below:

- (a) Division 12: Manufacture of tobacco products (no longer manufactured in Mauritius)
- (b) Division 19: Manufacture of coke, refined petroleum products (not produced in Mauritius)
- (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)

Considering the above adjustments, the activities covered by the index represent around 89% of the gross output generated by enterprises in the Non-EOE manufacturing in 2007.

#### 3. Reference Year

PPI-M has 2007 as reference period and is based on 2007 weights.

#### 4. Frame

A list of some 419 establishments, engaging 10 persons or more, falling within the scope of the PPI-M was obtained from the 2007 CEA and classified at 5-digit NSIC Rev.2. Data on Gross output for each establishment was also available.

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

A sample of 103 establishments was drawn from the list. These establishments are the most important ones in terms of Gross Output (GO) in their respective 5-digit NSIC activity group. Establishments selected in each activity group contribute together at least 60% of GO in that group.

Using the scheme above the overall sample contributes around 63% of the GO of the sector.

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

From each selected establishment the product(s) selected for pricing are those which are the most important ones in terms of contribution to the turnover of the establishment.

## **7. 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.

Prices of products are collected from the sample of products mentioned in Para. 6. Producers are contacted on field on a quarterly basis and prices of the selected products are collected for each month of the reference quarter. For example, if reference quarter is 3<sup>rd</sup> Quarter, producers are contacted during the month of October and November and prices are collected for the months of July, August and September.

Altogether some 281 prices are collected every quarter.

## **8. Updating of weights**

### **8.1 *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 reference period (1993 = 100). The coverage of the index was extended in June 2002 to cover all relevant industry groups of the former Non-EPZ manufacturing sector. At the same time, in order to reflect changes in the production pattern, the basket of goods used to compile the index was updated based on data available from the 1997 Census of Economic Activities conducted by this office. The base year was subsequently revised to 1998 (1998 = 100). The revision was repeated in 2006 when the base period was revised to 2003 (2003 = 100).

The current basket of goods has been updated based on the results of the 2007 Census of Economic Activities and the index is computed with year 2007 as base period (2007=100).

## 9. 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 (2007)

The PPI-M is calculated at the 5-digits level of NSIC Rev.2 by the above formulae. The lowest level indices are determined as a geometric average of the price relatives of the basic observations. Indices at the Division level (2-digits NSIC) 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 arithmetic average of the Division indices.

## 10. Uses

- (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 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.

## 11. Missing Prices

In the case of temporarily missing prices for products, the change in the prices will be assumed to be following the same trend as the average price in the 5-digits NSIC group or that at higher level.

## 12. Treatment of Product Permanently Disappeared

Products may disappear permanently for various reasons. The product 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.

### **13. 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 given and adjustment is done accordingly. Appropriate adjustments for quality changes are made by consulting the manufacturing unit.

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

The statistical accuracy of PPI depends heavily on the quality of information provided by respondents. This office places great emphasis on the need for reporting effective selling prices, i.e. the amount realized by a producer when selling its products on the market inclusive of all discounts and other price deductions rather than the list or catalogue prices.

On the field a system of sample checks is already in place for detecting systematic errors in the collection process. The results are analyzed right on field by analyzing the monthly changes and comparing also the prices those collected at the same month of previous year. Outliers are discussed with the producers to ensure that they are genuine.

At office level, comparisons are 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.