



# Economic and Social Indicators

**Issue No 1761**

**Producer Price Index - Manufacturing (PPI\_M)**

**3<sup>rd</sup> Quarter 2023**

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Statistics Mauritius  
Ministry of Finance, Economic Planning and Development  
Port Louis

Note: Readers are invited to make the distinction between official data which are published in the Economic and Social indicators and the analysis presented for the benefit of general readers. Differences of opinion may arise regarding the analytical part but these do not in any way, undermine the quality of the data. The Editors welcome constructive critical comments.

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

3<sup>rd</sup> Quarter 2023

(Base year: 2018 =100)

### 1. Introduction

The Producer Price Index for 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 October 2022 to September 2023 and quarterly indices from the fourth quarter of 2021 to the third quarter of 2023. The weights for the PPI-M have been derived from the results of the 2018 Census of Economic Activities.

Indices prior to October 2022 are posted on Statistics Mauritius website in the historical series of manufacturing statistics:

[https://statsmauritius.govmu.org/Pages/Statistics/By\\_Subject/Indices/SB\\_Indices.aspx](https://statsmauritius.govmu.org/Pages/Statistics/By_Subject/Indices/SB_Indices.aspx)

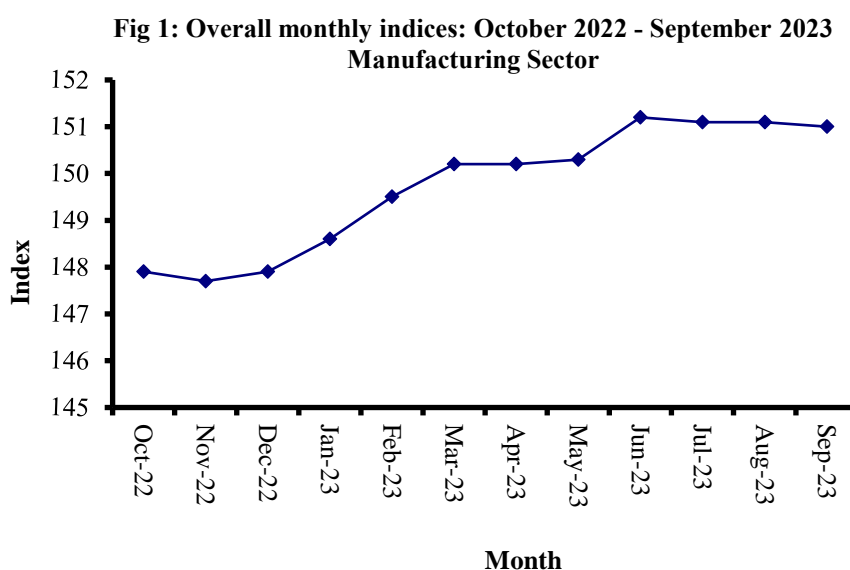
The methodology used for the computation of PPI-M is annexed.

### 2. Changes during the third quarter of 2023

#### 2.1 Manufacturing Sector

The Producer Price Index for the manufacturing sector registered a decrease of 0.2 point (-0.1%) from 151.2 in June 2023 to 151.0 in September 2023. This net decrease was due to lower prices of “Chemicals and chemical products” (-1.9%), “Printing and reproduction of recorded media” (-5.1%) and “Basic metals” (-4.7%), partly mitigated by higher prices of “Other transport equipment” (+6.3%), “Furniture” (+1.0%) and “Fabricated metal products” (+1.0%).

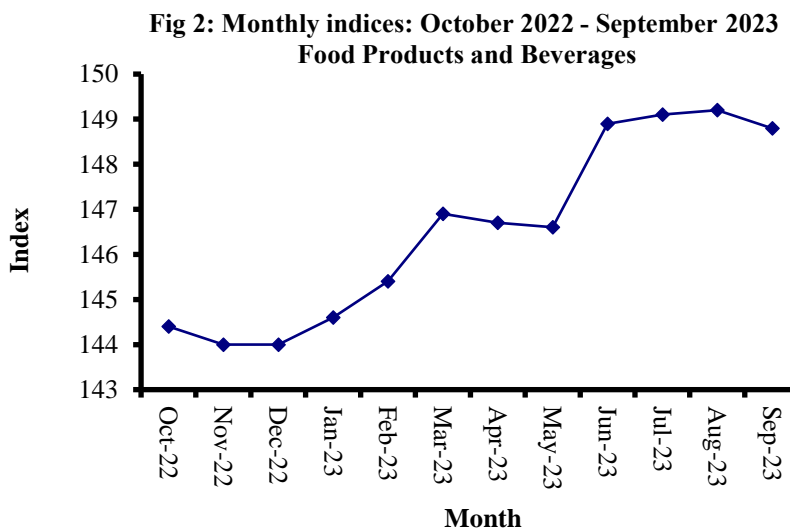
On a monthly basis, PPI-M decreased by 0.1 point (-0.1%) in July, remained unchanged in August and decreased by 0.1 point (-0.1%) in September 2023 (Table 1a).



#### 2.2 Manufacture of Food Products and Beverages

The Producer Price Index for “Food products and beverages”, which accounts for 44.7% of the total weight, registered a net decrease of 0.1 point (-0.1%) from 148.9 in June 2023 to 148.8 in September 2023. This decrease was mainly attributable to lower prices of “Vegetable and animal oils and fats”

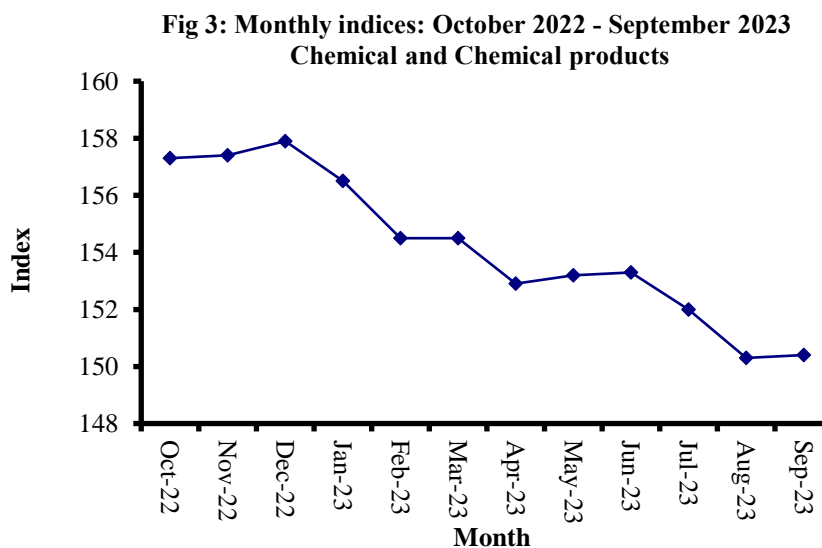
(-7.9%), “Grain mill products” (-1.9%) and “Animal feed” (-1.4%), partly mitigated by higher prices of “Processing and preserving of meat” (+2.7%), “Processing and preserving of fruits and vegetables” (+4.2%), “Other food products n.e.c.” (+1.0%) of which “Spices, sauces, condiments and other food products n.e.c” (+0.8%), and “Dairy products” (+1.7%).



On a monthly basis, the index for this activity group increased by 0.2 point (+0.1%) in July, 0.1 point (+0.1%) in August and decreased by 0.4 point (-0.3%) in September 2023 (Table 1b).

### 2.3 Manufacture of Chemicals and Chemical Products

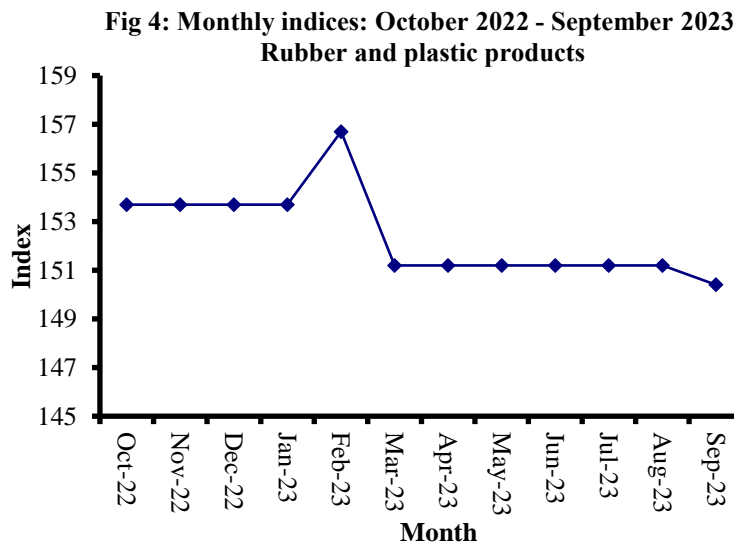
The Producer Price Index for “Chemicals and Chemical Products”, which accounts for 8.9% of the total weight, registered a net decrease of 2.9 points (-1.9%) from 153.3 in June 2023 to 150.4 in September 2023. This decrease was attributable to lower prices of “Fertilizers and nitrogen compounds” (-9.9%) and “Basic chemicals” (-0.8%), partly mitigated by higher prices of “Paints, varnishes and similar coatings, printing ink and mastics” (+0.8%).



On a monthly basis, this index decreased by 1.3 points (-0.8%) in July, 1.7 points (-1.1%) in August and increased by 0.1 point (+0.1%) in September 2023 (Table 1c).

## 2.4 Manufacture of Rubber and plastic products

The Producer Price Index for “Rubber and plastic products”, which accounts for 2.8% of the total weight, registered a net decrease of 0.8 point (-0.5%) from 151.2 in June 2023 to 150.4 in September 2023. This decrease was attributable to lower prices of “Plastic products” (-0.5%).



On a monthly basis, this index remained unchanged from June 2023 to August 2023 and decreased by 0.8 point (-0.5%) in September 2023. (Table 1c).

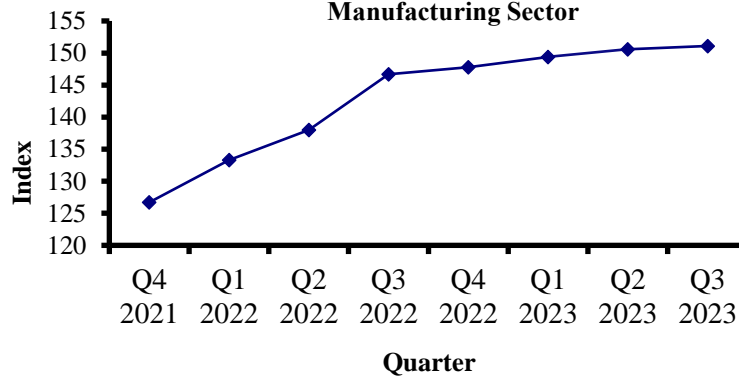
## 3. Change in quarterly PPI-M

### 3.1 Manufacturing Sector

The average PPI-M for the third quarter of 2023 stood at 151.1, i.e. an increase of 0.5 point (+0.3%) from 150.6 in the second quarter of 2023. This increase was mainly attributable to higher prices of “Food products and beverages” (+1.1%), “Other transport equipment” (+2.3%), “Furniture” (+0.4%), “Textiles” (+2.6%) and “Wearing Apparel” (+0.7%), partly offset by lower prices of “Chemicals and chemical products” (-1.4%), “Printing and reproduction of recorded media” (-2.7%) and “Basic metals” (-3.9%) (Table 2a).

Compared to the corresponding quarter of 2022, the average PPI-M for the third quarter of 2023 increased by 4.4 points (+3.0%), mainly explained by higher prices of “Food products and beverages” (+5.0%), “Other non-metallic mineral products” (+5.4%), “Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products” (+3.7%) and “Other products” (+12.0%), partly offset by lower prices of “Fabricated metal products” (-4.1%) and “Chemicals and chemical products” (-2.8%).

**Fig 5: Overall quarterly indices:  
4<sup>th</sup> Quarter 2021 to 3<sup>rd</sup> Quarter 2023  
Manufacturing Sector**

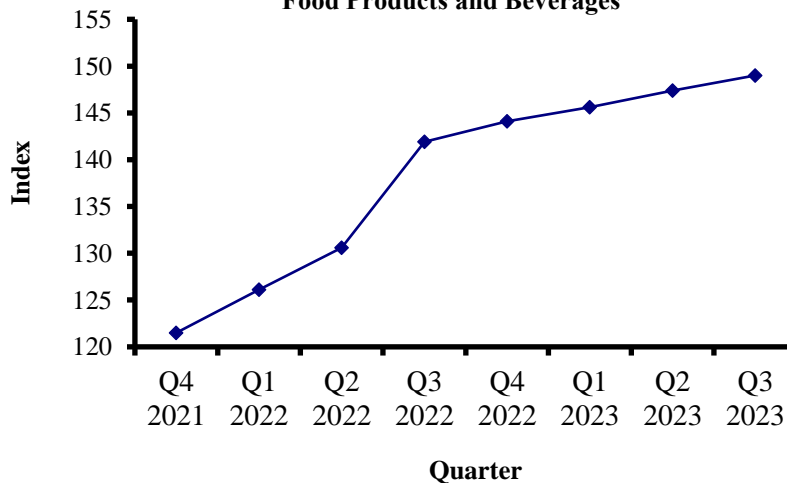


### 3.2 Manufacture of Food Products and Beverages

Compared to the previous quarter, the index for “Food products and beverages” increased by 1.6 points (+1.1%) in the third quarter of 2023. The index for “Food products” increased by 0.1 point (+0.1%), mainly explained by higher prices of “Processing and preserving of meat” (+2.6%), “Processing and preserving of fruits and vegetables” (+4.1%), “Animal Feed” (+1.1%), “Bakery products” (+0.6%) of which “Bread/Pastries and cakes” (+0.8%), and “Other food products n.e.c.” (+0.4%) of which “Spices, sauces, condiments and other food products n.e.c.” (+0.3%), partly offset by decreases in the prices of “Vegetable and animal oils and fats” (-10.5%). The index for beverages increased by 4.3 points (+3.3%) due to increases in the prices of “Malt liquors and malt including non alcoholic beer” (+3.3%) and “Distilled potable alcoholic beverages” (+4.7%).

Compared to the corresponding quarter of 2022, the index for “Food products and beverages” increased by 7.1 points (+5.0%) in the third quarter of 2023. The index for “Food products” increased by 6.6 points (+4.4%), mainly due to higher prices of “Bakery products” (+12.2%) of which “Bread/Pastries and cakes” (+12.2%), “Processing and preserving of meat” (+7.0%), “Grain mill products” (+10.9%), “Animal Feed” (+7.2%), “Other food products n.e.c.” (+4.2%) of which “Spices, sauces, condiments and other food products n.e.c.” (+3.6%), and “Processing and preserving of fruits and vegetables” (+11.9%), partly offset by lower prices of “Vegetable and animal oils and fats” (-22.5%). The index for “Beverages” increased by 8.0 points (+6.4%), mainly due to higher prices of “Malt liquors and malt including non alcoholic beer” (+6.4%) and “Distilled potable alcoholic beverages” (+7.6%).

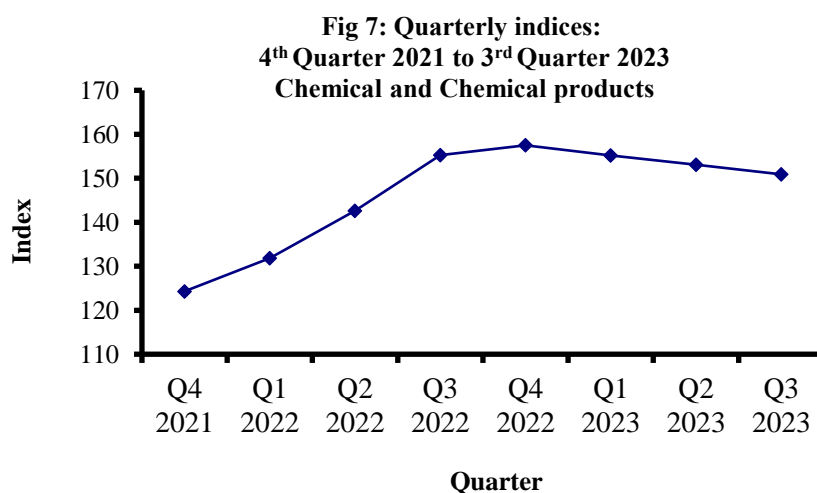
**Fig 6: Quarterly indices:  
4<sup>th</sup> Quarter 2021 to 3<sup>rd</sup> Quarter 2023  
Food Products and Beverages**



### 3.3 Manufacture of Chemicals and Chemical Products

The index for “Chemicals and Chemical Products” decreased by 2.2 points (-1.4%) in the third quarter of 2023 when compared to the previous quarter. This decrease was mainly explained by lower prices of “Fertilizers and nitrogen compounds” (-8.2%) and “Basic chemicals” (-2.2%), partly mitigated by increases in the prices of “Paints, varnishes and similar coatings, printing ink and mastics” (+1.3%).

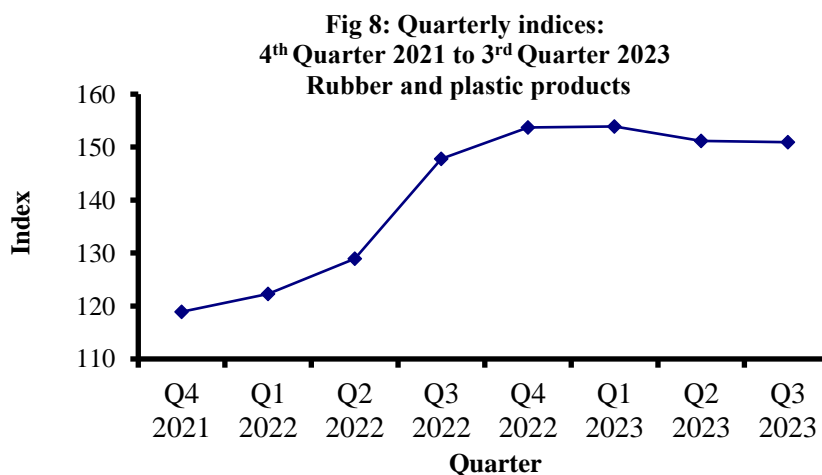
Compared to the corresponding quarter of 2022, the index for “Chemicals and Chemical Products” decreased by 4.4 points (-2.8%) in the third quarter of 2023. This decrease was mainly explained by lower prices of “Basic chemicals” (-24.6%) and “Fertilizers and nitrogen compounds” (-7.6%), partly mitigated by increases in the prices of “Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations” (+6.3%) and “Paints, varnishes and similar coatings, printing ink and mastics” (+3.4%).



### 3.4 Manufacture of Rubber and plastic products

The index for “Rubber and plastic products” decreased by 0.3 point (-0.2%) in the third quarter of 2023 when compared to the previous quarter. This decrease was explained by lower prices of “Plastic products” (-0.2%).

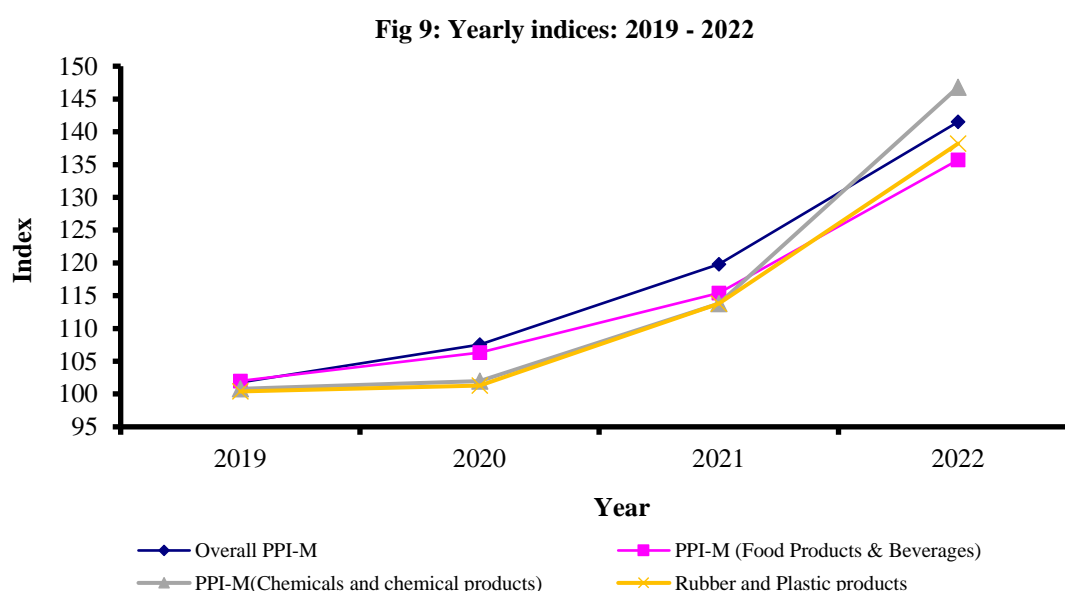
Compared to the corresponding quarter of 2022, the index for “Rubber and plastic products” increased by 3.1 points (+2.1%) in the third quarter of 2023. This increase was explained by higher prices of “Plastic products” (+2.1%).



#### 4. Yearly Index

The average yearly index for the manufacturing sector as a whole was 141.5 in 2022, i.e. 21.7 points (+18.1%) higher than the figure of 119.8 in 2021. The index for the “Manufacture of food products and beverages” was 135.7 in 2022 compared to 115.4 in 2021, showing an increase of 20.3 points (+17.6%). The index for the “Manufacture of chemicals and chemical products” stood at 146.8 in 2022, higher by 33.0 points (+29.0%) compared to 113.8 in 2021. The index for “Manufacture of rubber and plastic products” was 138.2 in 2022 compared to 113.8 in 2021, i.e. an increase of 24.4 points (+21.4%).

Figure 9 shows that the yearly indices for the manufacturing sector as a whole and that for “Manufacture of food products and beverages” had an upward increasing trend from 2019 to 2022. The indices for “Manufacture of chemicals and chemical products” and “Manufacture of rubber and plastic products” increased slightly from 2019 to 2020, followed by a rapid increase from 2020 to 2022.



#### Statistics Mauritius

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**Table 1(a) - Monthly indices of the Manufacturing Sector by industry group, October 2022 - September 2023**

Base period: Year 2018=100

NSIC	Industry group	Weight	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Percentage change from		
															Jun 23 to Jul 23	Jul 23 to Aug 23	Aug 23 to Sep 23
<b>10-33</b>	<b>Total manufacturing</b>	<b>1000</b>	<b>147.9</b>	<b>147.7</b>	<b>147.9</b>	<b>148.6</b>	<b>149.5</b>	<b>150.2</b>	<b>150.2</b>	<b>150.3</b>	<b>151.2</b>	<b>151.1</b>	<b>151.1</b>	<b>151.0</b>	<b>-0.1</b>	<b>0.0</b>	<b>-0.1</b>
10/11	Food products and beverages	447	144.4	144.0	144.0	144.6	145.4	146.9	146.7	146.6	148.9	149.1	149.2	148.8	0.1	0.1	-0.3
13	Textiles	14	144.1	144.1	144.1	146.2	146.2	146.2	146.2	151.7	151.7	153.8	153.8	153.8	1.4	0.0	0.0
14	Wearing apparel	47	150.8	150.8	150.8	152.0	152.0	152.0	152.0	152.0	152.0	153.1	153.1	153.1	0.7	0.0	0.0
15	Leather and related products	4	145.6	145.6	145.6	145.6	145.6	151.4	151.4	151.4	151.4	151.4	151.4	151.4	0.0	0.0	0.0
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	33	178.8	178.8	178.8	179.3	179.3	179.3	179.3	179.3	178.7	178.0	178.0	178.0	-0.4	0.0	0.0
18	Printing and reproduction of recorded media	27	148.6	148.9	147.5	151.9	156.4	153.4	152.2	154.4	153.9	152.1	149.7	146.1	-1.2	-1.6	-2.4
20	Chemicals and chemical products	89	157.3	157.4	157.9	156.5	154.5	154.5	152.9	153.2	153.3	152.0	150.3	150.4	-0.8	-1.1	0.1
22	Rubber and plastic products	28	153.7	153.7	153.7	153.7	156.7	151.2	151.2	151.2	151.2	151.2	151.2	150.4	0.0	0.0	-0.5
23	Other non-metallic mineral products	50	118.5	118.9	118.9	118.9	124.1	124.2	124.2	124.2	124.2	124.2	124.2	124.2	0.0	0.0	0.0
24	Basic metals	11	187.5	181.0	180.7	180.1	177.7	178.5	178.5	177.8	177.8	174.0	170.0	169.4	-2.1	-2.3	-0.4
25	Fabricated metal products	79	145.9	145.4	145.4	146.1	146.2	146.2	146.2	146.2	146.2	145.7	145.7	147.7	-0.3	0.0	1.4
26	Manufacture of Computer, Electronic and Optical Products	5	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	0.0	0.0	0.0
27	Electrical equipment	2	100.0	100.0	100.0	100.0	100.0	103.8	103.8	103.8	103.8	103.8	103.8	103.8	0.0	0.0	0.0
28	Machinery and equipment, n.e.c	10	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	0.0	0.0	0.0
29	Motor vehicles, trailers and semi-trailers	5	203.6	203.6	203.6	217.4	217.4	217.4	217.4	217.4	217.4	217.4	217.4	217.4	0.0	0.0	0.0
30	Other transport equipment	21	118.1	117.0	119.2	121.5	123.9	126.6	126.5	126.2	120.5	122.9	130.8	128.1	2.0	6.4	-2.1
31	Furniture	81	157.3	157.3	158.5	158.5	158.8	158.8	158.8	158.8	158.8	159.0	159.0	160.4	0.1	0.0	0.9
32	Other products	47	151.9	152.7	152.7	157.9	161.4	165.2	170.1	170.1	170.1	170.1	170.1	170.1	0.0	0.0	0.0

**Table 1(b) - Monthly indices for Manufacture of Food Products & Beverages by industry group, October 2022 - September 2023**

Base period: Year 2018=100

NSIC	Industry group	Weight	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Percentage change from		
															Jun 23	Jul 23	Aug 23
															to Jul 23	to Aug 23	to Sep 23
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>447</b>	<b>144.4</b>	<b>144.0</b>	<b>144.0</b>	<b>144.6</b>	<b>145.4</b>	<b>146.9</b>	<b>146.7</b>	<b>146.6</b>	<b>148.9</b>	<b>149.1</b>	<b>149.2</b>	<b>148.8</b>	<b>0.1</b>	<b>0.1</b>	<b>-0.3</b>
<b>101-108</b>	<b>Food products</b>	<b>283</b>	<b>155.0</b>	<b>154.4</b>	<b>154.4</b>	<b>155.3</b>	<b>156.3</b>	<b>158.5</b>	<b>158.0</b>	<b>157.8</b>	<b>157.8</b>	<b>158.1</b>	<b>158.3</b>	<b>157.7</b>	<b>0.2</b>	<b>0.1</b>	<b>-0.4</b>
1010	Processing and preserving of meat	61	146.3	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	150.1	150.5	150.5	2.4	0.3	0.0
1020	Processing and preserving of fish, crustaceans & molluscs	3	134.4	134.4	134.4	130.0	126.0	126.0	134.4	134.4	134.4	134.4	134.4	134.4	0.0	0.0	0.0
1030	Processing and preserving of fruits and vegetables	11	152.5	152.5	154.7	154.7	155.5	156.3	156.3	158.3	159.2	161.9	165.0	165.9	1.7	1.9	0.5
1040	Vegetable and animal oils and fats	21	223.7	211.1	210.5	207.3	200.4	200.4	199.3	192.0	187.5	173.0	172.6	172.6	-7.7	-0.2	0.0
1050	Dairy products	22	143.3	145.5	145.7	145.7	145.7	145.9	145.9	145.9	145.9	145.9	145.9	148.4	0.0	0.0	1.7
1061	Grain mill products	28	186.2	185.5	185.2	195.6	210.6	213.5	207.9	210.1	210.6	210.5	209.6	206.5	0.0	-0.4	-1.5
1071	Bakery products	43	122.5	123.4	123.4	123.4	123.5	130.5	130.5	130.5	130.5	131.3	131.3	131.3	0.6	0.0	0.0
10711/ 10712	<i>Bread/Pastries and cakes</i>	39	123.0	123.9	123.9	123.9	123.9	130.4	130.4	130.4	130.4	131.4	131.4	131.4	0.8	0.0	0.0
10713	<i>Biscuits and other dry bakery products</i>	4	117.0	117.2	117.2	117.8	118.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	0.0	0.0	0.0
1074	Macaroni, noodles, couscous and similar farinaceous products	7	102.5	102.6	102.6	102.6	102.6	102.6	103.8	103.8	103.8	103.8	103.8	103.8	0.0	0.0	0.0
1075	Prepared meals and dishes	2	133.6	133.6	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	0.0	0.0	0.0
1079	Other food products n.e.c	46	152.2	152.3	153.9	155.0	155.5	156.2	156.2	156.2	156.2	156.3	156.7	157.7	0.1	0.3	0.6
10791	<i>Tea</i>	6	145.2	145.7	148.0	149.9	149.9	154.2	154.2	154.2	154.2	154.9	156.8	156.8	0.5	1.2	0.0
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	40	153.3	153.3	154.8	155.7	156.3	156.5	156.5	156.5	156.5	156.5	156.7	157.8	0.0	0.1	0.7
1080	Animal feed	39	167.5	167.5	165.5	165.2	165.2	169.9	170.6	170.6	172.3	174.3	174.9	169.9	1.2	0.3	-2.9
<b>110</b>	<b>Beverages</b>	<b>164</b>	<b>126.1</b>	<b>126.1</b>	<b>126.1</b>	<b>126.1</b>	<b>126.6</b>	<b>127.0</b>	<b>127.1</b>	<b>127.1</b>	<b>133.5</b>	<b>133.5</b>	<b>133.5</b>	<b>133.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
1101	Distilled potable alcoholic beverages	48	127.4	127.4	127.4	127.4	127.4	127.4	127.8	127.8	137.1	137.1	137.1	137.1	0.0	0.0	0.0
1102	Wines	7	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	136.7	136.7	136.7	136.7	0.0	0.0	0.0
1103	Malt liquors and malt including non alcoholic beer	88	124.1	124.1	124.1	124.1	125.0	125.7	125.7	125.7	132.0	132.0	132.0	132.0	0.0	0.0	0.0
1104	Soft drinks, mineral waters and other bottled waters	21	129.7	129.7	129.7	129.7	130.1	130.9	130.9	130.9	130.9	130.9	130.9	130.9	0.0	0.0	0.0

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**Table 1(c) - Monthly indices for Manufacture of Chemicals and Chemical Products & Rubber and Plastic Products by industry group, October 2022 - September 2023**

Base period: Year 2018=100

NSIC	Industry group	Weight	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Percentage change from		
															Jun 23 to Jul 23	Jul 23 to Aug 23	Aug 23 to Sep 23
<b>20</b>	<b>Chemicals and chemical products</b>	<b>89</b>	<b>157.3</b>	<b>157.4</b>	<b>157.9</b>	<b>156.5</b>	<b>154.5</b>	<b>154.5</b>	<b>152.9</b>	<b>153.2</b>	<b>153.3</b>	<b>152.0</b>	<b>150.3</b>	<b>150.4</b>	<b>-0.8</b>	<b>-1.1</b>	<b>0.1</b>
2011	Basic chemicals	16	138.9	139.5	141.8	134.6	123.7	124.5	124.9	123.4	121.7	121.1	120.1	120.7	-0.5	-0.8	0.5
2012	Fertilizers and nitrogen compounds	9	323.4	323.4	323.4	323.4	323.4	323.4	301.0	301.0	301.0	286.8	271.1	271.1	-4.7	-5.5	0.0
2022	Paints, varnishes and similar coatings, printing ink and mastics	24	128.1	128.1	128.1	128.1	128.1	128.1	128.1	128.1	129.1	130.1	130.1	130.1	0.8	0.0	0.0
2023	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	40	144.9	144.9	144.9	144.9	145.0	144.7	146.0	147.1	147.5	147.5	147.5	147.5	0.0	0.0	0.0
<b>22</b>	<b>Rubber and plastic products</b>	<b>28</b>	<b>153.7</b>	<b>153.7</b>	<b>153.7</b>	<b>153.7</b>	<b>156.7</b>	<b>151.2</b>	<b>151.2</b>	<b>151.2</b>	<b>151.2</b>	<b>151.2</b>	<b>151.2</b>	<b>150.4</b>	<b>0.0</b>	<b>0.0</b>	<b>-0.5</b>
2220	Plastic products	28	153.7	153.7	153.7	153.7	156.7	151.2	151.2	151.2	151.2	151.2	151.2	150.4	0.0	0.0	-0.5

**Table 2(a) - Quarterly & yearly indices of the Manufacturing sector by industry group, 4th Quarter 2021 - 3rd Quarter 2023**

Base period: Year 2018=100

NSIC	Industry group	Weight	2021		2022					2023		
			4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.
<b>10-33</b>	<b>Total manufacturing</b>	<b>1000</b>	<b>126.7</b>	<b>119.8</b>	<b>133.3</b>	<b>138.0</b>	<b>146.7</b>	<b>147.8</b>	<b>141.5</b>	<b>149.4</b>	<b>150.6</b>	<b>151.1</b>
10/11	Food products and beverages	447	121.5	<b>115.4</b>	126.1	130.6	141.9	144.1	<b>135.7</b>	145.6	147.4	149.0
13	Textiles	14	125.1	<b>118.4</b>	135.8	139.9	142.3	144.1	<b>140.5</b>	146.2	149.9	153.8
14	Wearing apparel	47	134.6	<b>130.8</b>	143.8	149.7	149.7	150.8	<b>148.5</b>	152.0	152.0	153.1
15	Leather and related products	4	126.8	<b>121.8</b>	126.8	126.8	145.6	145.6	<b>136.2</b>	147.5	151.4	151.4
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	33	131.4	<b>120.8</b>	144.2	154.8	171.7	178.8	<b>162.4</b>	179.3	179.1	178.0
18	Printing and reproduction of recorded media	27	126.7	<b>127.3</b>	128.7	130.7	142.9	148.3	<b>137.7</b>	153.9	153.5	149.3
20	Chemicals and chemical products	89	124.3	<b>113.8</b>	131.8	142.6	155.3	157.5	<b>146.8</b>	155.2	153.1	150.9
22	Rubber and plastic products	28	118.9	<b>113.8</b>	122.3	128.9	147.8	153.7	<b>138.2</b>	153.9	151.2	150.9
23	Other non-metallic mineral products	50	110.8	<b>109.0</b>	112.5	112.5	117.8	118.8	<b>115.4</b>	122.4	124.2	124.2
24	Basic metals	11	178.8	<b>147.6</b>	187.6	194.8	188.9	183.1	<b>188.6</b>	178.8	178.0	171.1
25	Fabricated metal products	79	139.8	<b>131.9</b>	155.6	156.1	152.6	145.6	<b>152.5</b>	146.2	146.2	146.4
26	Manufacture of Computer, Electronic and Optical Products	5	112.6	<b>112.6</b>	112.6	112.6	112.6	112.6	<b>112.6</b>	112.6	112.6	112.6
27	Electrical equipment	2	100.0	<b>100.0</b>	100.0	100.0	100.0	100.0	<b>100.0</b>	101.3	103.8	103.8
28	Machinery and equipment, n.e.c	10	175.6	<b>141.4</b>	181.3	184.1	184.1	184.1	<b>183.4</b>	184.1	184.1	184.1
29	Motor vehicles, trailers and semi-trailers	5	160.0	<b>131.9</b>	179.5	199.5	203.6	203.6	<b>196.6</b>	217.4	217.4	217.4
30	Other transport equipment	21	128.7	<b>127.8</b>	128.4	123.1	124.3	118.1	<b>123.5</b>	124.0	124.4	127.3
31	Furniture	81	129.3	<b>121.8</b>	139.6	145.7	158.0	157.7	<b>150.3</b>	158.7	158.8	159.5
32	Other products	47	140.9	<b>134.7</b>	147.3	151.4	151.9	152.4	<b>150.8</b>	161.5	170.1	170.1

**Table 2(b) - Quarterly & yearly indices for the Manufacturing of Food Products & Beverages by industry group, 4th Quarter 2021 - 3rd Quarter 2023**

Base period: Year 2018=100

NSIC	Industry group	Weight	2021		2022					2023		
			4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.
<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>447</b>	<b>121.5</b>	<b>115.4</b>	<b>126.1</b>	<b>130.6</b>	<b>141.9</b>	<b>144.1</b>	<b>135.7</b>	<b>145.6</b>	<b>147.4</b>	<b>149.0</b>
<b>101-108</b>	<b>Food products</b>	<b>283</b>	<b>125.7</b>	<b>117.9</b>	<b>132.0</b>	<b>138.3</b>	<b>151.4</b>	<b>154.6</b>	<b>144.1</b>	<b>156.7</b>	<b>157.9</b>	<b>158.0</b>
1010	Processing and preserving of meat	61	120.2	<b>112.1</b>	127.7	131.6	140.6	146.5	<b>136.6</b>	146.6	146.6	150.4
1020	Processing and preserving of fish, crustaceans & molluscs	3	113.0	<b>110.2</b>	114.1	121.7	132.4	134.4	<b>125.7</b>	127.3	134.4	134.4
1030	Processing and preserving of fruits and vegetables	11	120.6	<b>117.3</b>	126.1	130.3	146.8	153.2	<b>139.1</b>	155.5	157.9	164.3
1040	Vegetable and animal oils and fats	21	130.2	<b>127.9</b>	131.9	133.2	222.7	215.1	<b>175.7</b>	202.7	192.9	172.7
1050	Dairy products	22	122.9	<b>115.7</b>	125.5	128.4	139.9	144.8	<b>134.7</b>	145.8	145.9	146.7
1061	Grain mill products	28	137.4	<b>133.0</b>	149.0	183.9	188.3	185.6	<b>176.7</b>	206.6	209.5	208.9
1071	Bakery products	43	107.8	<b>105.8</b>	113.2	113.3	117.0	123.1	<b>116.7</b>	125.8	130.5	131.3
10711/ 10712	<i>Bread/Pastries and cakes</i>	39	107.2	<b>105.6</b>	113.2	113.2	117.1	123.6	<b>116.8</b>	126.1	130.4	131.4
10713	<i>Biscuits and other dry bakery products</i>	4	113.4	<b>108.0</b>	113.4	114.4	114.9	117.1	<b>115.0</b>	122.5	131.3	131.3
1074	Macaroni, noodles, couscous and similar farinaceous products	7	101.4	<b>101.1</b>	102.5	102.5	102.5	102.6	<b>102.5</b>	102.6	103.8	103.8
1075	Prepared meals and dishes	2	115.7	<b>110.5</b>	120.6	129.9	133.6	133.6	<b>129.4</b>	133.5	133.5	133.5
1079	Other food products n.e.c	46	136.0	<b>124.6</b>	142.1	145.0	150.6	152.8	<b>147.6</b>	155.6	156.2	156.9
10791	<i>Tea</i>	6	132.3	<b>130.3</b>	140.4	142.0	145.2	146.3	<b>143.5</b>	151.3	154.2	156.2
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	40	136.6	<b>123.8</b>	142.4	145.4	151.5	153.8	<b>148.3</b>	156.2	156.5	157.0
1080	Animal feed	39	139.7	<b>121.3</b>	147.5	153.5	161.4	166.8	<b>157.3</b>	166.8	171.2	173.0
<b>110</b>	<b>Beverages</b>	<b>164</b>	<b>114.2</b>	<b>111.1</b>	<b>115.9</b>	<b>117.3</b>	<b>125.5</b>	<b>126.1</b>	<b>121.2</b>	<b>126.6</b>	<b>129.2</b>	<b>133.5</b>
1101	Distilled potable alcoholic beverages	48	110.7	<b>106.4</b>	110.7	115.4	127.4	127.4	<b>120.2</b>	127.4	130.9	137.1
1102	Wines	7	119.3	<b>113.0</b>	119.3	119.3	126.8	130.5	<b>124.0</b>	130.5	132.6	136.7
1103	Malt liquors and malt including non alcoholic beer	88	113.3	<b>112.0</b>	116.2	116.2	124.1	124.1	<b>120.2</b>	124.9	127.8	132.0
1104	Soft drinks, mineral waters and other bottled waters	21	124.5	<b>117.8</b>	125.3	125.3	126.8	129.7	<b>126.8</b>	130.2	130.9	130.9

**Table 2(c) - Quarterly & yearly indices for the Manufacture of Chemicals and Chemical Products & Rubber and Plastic products, by industry group, 4th Quarter 2021 - 3rd Quarter 2023**

Base period: Year 2018=100

NSIC	Industry group	Weight	2021		2022					2023		
			4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Year Average	1st Qr.	2nd Qr.	3rd Qr.
<b>20</b>	<b>Chemicals and chemical products</b>	<b>89</b>	<b>124.3</b>	<b>113.8</b>	<b>131.8</b>	<b>142.6</b>	<b>155.3</b>	<b>157.5</b>	<b>146.8</b>	<b>155.2</b>	<b>153.1</b>	<b>150.9</b>
2011	Basic chemicals	16	132.0	<b>118.4</b>	139.3	145.0	160.0	140.1	<b>146.1</b>	127.6	123.3	120.6
2012	Fertilizers and nitrogen compounds	9	180.5	<b>131.5</b>	204.4	259.4	298.9	323.4	<b>271.5</b>	323.4	301.0	276.3
2022	Paints, varnishes and similar coatings, printing ink and mastics	24	108.2	<b>106.1</b>	118.8	121.2	125.8	128.1	<b>123.5</b>	128.1	128.4	130.1
2023	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	40	118.1	<b>112.6</b>	120.1	128.0	138.7	144.9	<b>132.9</b>	144.9	146.9	147.5
<b>22</b>	<b>Rubber and plastic products</b>	<b>28</b>	<b>118.9</b>	<b>113.8</b>	<b>122.3</b>	<b>128.9</b>	<b>147.8</b>	<b>153.7</b>	<b>138.2</b>	<b>153.9</b>	<b>151.2</b>	<b>150.9</b>
2220	Plastic products	28	118.9	<b>113.8</b>	122.3	128.9	147.8	153.7	<b>138.2</b>	153.9	151.2	150.9

**Table 3(a) - Quarterly percentage change of the Manufacturing Sector by industry group, 4th Quarter 2021 - 3rd Quarter 2023**

Base period: Year 2018=100

NSIC	Industry group	Weight	Percentage changes from previous quarter				Percentage changes from corresponding quarter of previous year			
			3rd Qr 22 to 4th Qr 22	4th Qr 22 to 1st Qr 23	1st Qr 23 to 2nd Qr 23	2nd Qr 23 to 3rd Qr 23	4th Qr 21 to 4th Qr 22	1st Qr 22 to 1st Qr 23	2nd Qr 22 to 2nd Qr 23	3rd Qr 22 to 3rd Qr 23
			<b>10-33</b>	<b>Total manufacturing</b>	<b>1000</b>	<b>+ 0.7</b>	<b>+ 1.1</b>	<b>+ 0.8</b>	<b>+ 0.3</b>	<b>+ 16.7</b>
10/11	Food products and beverages	447	+ 1.6	+ 1.0	+ 1.2	+ 1.1	+ 18.6	+ 15.5	+ 12.9	+ 5.0
13	Textiles	14	+ 1.3	+ 1.5	+ 2.5	+ 2.6	+ 15.2	+ 7.7	+ 7.1	+ 8.1
14	Wearing apparel	47	+ 0.7	+ 0.8	0.0	+ 0.7	+ 12.0	+ 5.7	+ 1.5	+ 2.3
15	Leather and related products	4	0.0	+ 1.3	+ 2.6	0.0	+ 14.8	+ 16.3	+ 19.4	+ 4.0
16/17	Wood and products of wood & cork; articles of straw and plaiting materials/ Paper and paper products	33	+ 4.1	+ 0.3	- 0.1	- 0.6	+ 36.1	+ 24.3	+ 15.7	+ 3.7
18	Printing and reproduction of recorded media	27	+ 3.8	+ 3.8	- 0.3	- 2.7	+ 17.0	+ 19.6	+ 17.4	+ 4.5
20	Chemicals and chemical products	89	+ 1.4	- 1.5	- 1.4	- 1.4	+ 26.7	+ 17.8	+ 7.4	- 2.8
22	Rubber and plastic products	28	+ 4.0	+ 0.1	- 1.8	- 0.2	+ 29.3	+ 25.8	+ 17.3	+ 2.1
23	Other non-metallic mineral products	50	+ 0.8	+ 3.0	+ 1.5	0.0	+ 7.2	+ 8.8	+ 10.4	+ 5.4
24	Basic metals	11	- 3.1	- 2.3	- 0.4	- 3.9	+ 2.4	- 4.7	- 8.6	- 9.4
25	Fabricated metal products	79	- 4.6	+ 0.4	0.0	+ 0.1	+ 4.1	- 6.0	- 6.3	- 4.1
26	Manufacture of Computer, Electronic and Optical Products	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	Electrical equipment	2	0.0	+ 1.3	+ 2.5	0.0	0.0	+ 1.3	+ 3.8	+ 3.8
28	Machinery and equipment, n.e.c	10	0.0	0.0	0.0	0.0	+ 4.8	+ 1.5	0.0	0.0
29	Motor vehicles, trailers and semi-trailers	5	0.0	+ 6.8	0.0	0.0	+ 27.3	+ 21.1	+ 9.0	+ 6.8
30	Other transport equipment	21	- 5.0	+ 5.0	+ 0.3	+ 2.3	- 8.2	- 3.4	+ 1.1	+ 2.4
31	Furniture	81	- 0.2	+ 0.6	+ 0.1	+ 0.4	+ 22.0	+ 13.7	+ 9.0	+ 0.9
32	Other products	47	+ 0.3	+ 6.0	+ 5.3	0.0	+ 8.2	+ 9.6	+ 12.4	+ 12.0

Table 3(b) - Quarterly percentage change for Manufacture of Food Products & Beverages by industry group, 4th Quarter 2021 - 3rd Quarter 2023

Base period: Year 2018=100

NSIC	Industry group	Weight	Percentage changes from previous quarter				Percentage changes from corresponding quarter of previous year			
			3rd Qr 22 to 4th Qr 22	4th Qr 22 to 1st Qr 23	1st Qr 23 to 2nd Qr 23	2nd Qr 23 to 3rd Qr 23	4th Qr 21 to 4th Qr 22	1st Qr 22 to 1st Qr 23	2nd Qr 22 to 2nd Qr 23	3rd Qr 22 to 3rd Qr 23
			<b>10-11</b>	<b>Total food products &amp; beverages</b>	<b>447</b>	<b>+ 1.6</b>	<b>+ 1.0</b>	<b>+ 1.2</b>	<b>+ 1.1</b>	<b>+ 18.6</b>
<b>101-108</b>	<b>Food products</b>	<b>283</b>	<b>+ 2.1</b>	<b>+ 1.4</b>	<b>+ 0.8</b>	<b>+ 0.1</b>	<b>+ 23.0</b>	<b>+ 18.7</b>	<b>+ 14.2</b>	<b>+ 4.4</b>
1010	Processing and preserving of meat	61	+ 4.2	+ 0.1	0.0	2.6	+ 21.9	+ 14.8	+ 11.4	+ 7.0
1020	Processing and preserving of fish, crustaceans & molluscs	3	+ 1.5	- 5.3	+ 5.6	0.0	+ 18.9	+ 11.6	+ 10.4	+ 1.5
1030	Processing and preserving of fruits and vegetables	11	+ 4.4	+ 1.5	+ 1.5	+ 4.1	+ 27.0	+ 23.3	+ 21.2	+ 11.9
1040	Vegetable and animal oils and fats	21	- 3.4	- 5.8	- 4.8	- 10.5	+ 65.2	+ 53.7	+ 44.8	- 22.5
1050	Dairy products	22	+ 3.5	+ 0.7	+ 0.1	+ 0.5	+ 17.8	+ 16.2	+ 13.6	+ 4.9
1061	Grain mill products	28	- 1.4	+ 11.3	+ 1.4	- 0.3	+ 35.1	+ 38.7	+ 13.9	+ 10.9
1071	Bakery products	43	+ 5.2	+ 2.2	+ 3.7	+ 0.6	+ 14.2	+ 11.1	+ 15.2	+ 12.2
10711/ 10712	<i>Bread/Pastries and cakes</i>	39	+ 5.6	+ 2.0	+ 3.4	+ 0.8	+ 15.3	+ 11.4	+ 15.2	+ 12.2
10713	<i>Biscuits and other dry bakery products</i>	4	+ 1.9	+ 4.6	+ 7.2	0.0	+ 3.3	+ 8.0	+ 14.8	+ 14.3
1074	Macaroni, noodles, couscous and similar farinaceous products	7	+ 0.1	0.0	+ 1.2	0.0	+ 1.2	+ 0.1	+ 1.3	+ 1.3
1075	Prepared meals and dishes	2	0.0	- 0.1	0.0	0.0	+ 15.5	+ 10.7	+ 2.8	- 0.1
1079	Other food products n.e.c	46	+ 1.5	+ 1.8	+ 0.4	+ 0.4	+ 12.4	+ 9.5	+ 7.7	+ 4.2
10791	<i>Tea</i>	6	+ 0.8	+ 3.4	+ 1.9	+ 1.3	+ 10.6	+ 7.8	+ 8.6	+ 7.6
10793/ 10799	<i>Spices, sauces, condiments and other food products n.e.c</i>	40	+ 1.5	+ 1.6	+ 0.2	+ 0.3	+ 12.6	+ 9.7	+ 7.6	+ 3.6
1080	Animal feed	39	+ 3.3	0.0	+ 2.6	+ 1.1	+ 19.4	+ 13.1	+ 11.5	+ 7.2
<b>110</b>	<b>Beverages</b>	<b>164</b>	<b>+ 0.5</b>	<b>+ 0.4</b>	<b>+ 2.1</b>	<b>+ 3.3</b>	<b>+ 10.4</b>	<b>+ 9.2</b>	<b>+ 10.1</b>	<b>+ 6.4</b>
1101	Distilled potable alcoholic beverages	48	0.0	0.0	+ 2.7	+ 4.7	+ 15.1	+ 15.1	+ 13.4	+ 7.6
1102	Wines	7	+ 2.9	0.0	+ 1.6	+ 3.1	+ 9.4	+ 9.4	+ 11.1	+ 7.8
1103	Malt liquors and malt including non alcoholic beer	88	0.0	+ 0.6	+ 2.3	+ 3.3	+ 9.5	+ 7.5	+ 10.0	+ 6.4
1104	Soft drinks, mineral waters and other bottled waters	21	+ 2.3	+ 0.4	+ 0.5	0.0	+ 4.2	+ 3.9	+ 4.5	+ 3.2



**Table 3(c) - Quarterly percentage change for Manufacture of Chemicals and Chemical Products & Rubber and Plastic Products by industry group, 4th Quarter 2021 - 3rd Quarter 2023**

Base period: Year 2018=100

NSIC	Industry group	Weight	Percentage changes from previous quarter				Percentage changes from corresponding quarter of previous year			
			3rd Qr 22 to 4th Qr 22	4th Qr 22 to 1st Qr 23	1st Qr 23 to 2nd Qr 23	2nd Qr 23 to 3rd Qr 23	4th Qr 21 to 4th Qr 22	1st Qr 22 to 1st Qr 23	2nd Qr 22 to 2nd Qr 23	3rd Qr 22 to 3rd Qr 23
<b>20</b>	<b>Chemicals and chemical products</b>	<b>89</b>	<b>+ 1.4</b>	<b>- 1.5</b>	<b>- 1.4</b>	<b>- 1.4</b>	<b>+ 26.7</b>	<b>+ 17.8</b>	<b>+ 7.4</b>	<b>- 2.8</b>
2011	Basic chemicals	16	- 12.4	- 8.9	- 3.4	- 2.2	+ 6.1	- 8.4	- 15.0	- 24.6
2012	Fertilizers and nitrogen compounds	9	+ 8.2	0.0	- 6.9	- 8.2	+ 79.2	+ 58.2	+ 16.0	- 7.6
2022	Paints, varnishes and similar coatings, printing ink and mastics	24	+ 1.8	0.0	+ 0.2	+ 1.3	+ 18.4	+ 7.8	+ 5.9	+ 3.4
2023	Soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	40	+ 4.5	0.0	+ 1.4	+ 0.4	+ 22.7	+ 20.6	+ 14.8	+ 6.3
<b>22</b>	<b>Rubber and plastic products</b>	<b>28</b>	<b>+ 4.0</b>	<b>+ 0.1</b>	<b>- 1.8</b>	<b>- 0.2</b>	<b>+ 29.3</b>	<b>+ 25.8</b>	<b>+ 17.3</b>	<b>+ 2.1</b>
2220	Plastic products	28	+ 4.0	+ 0.1	- 1.8	- 0.2	+ 29.3	+ 25.8	+ 17.3	+ 2.1

**Table 4(a) - Comparative monthly and quarterly indices of the Manufacturing Sector, January 2014 - September 2023**

**Base period: Year 2018=100**

<b>Month</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
January	92.4	93.8	93.8	96.3	98.8	101.0	103.2	111.9	130.8	148.6
February	92.4	93.7	93.7	96.1	99.1	101.2	104.0	112.8	133.1	149.5
March	92.6	94.2	94.2	96.4	99.7	101.4	104.4	114.7	136.0	150.2
<b>Average 1<sup>st</sup> Quarter</b>	<b>92.5</b>	<b>93.9</b>	<b>93.9</b>	<b>96.3</b>	<b>99.2</b>	<b>101.2</b>	<b>103.9</b>	<b>113.1</b>	<b>133.3</b>	<b>149.4</b>
April	92.7	94.0	94.1	96.3	99.6	101.2	104.6	115.6	137.0	150.2
May	92.7	94.1	94.2	96.3	99.7	101.3	106.8	116.7	137.2	150.3
June	92.9	94.3	94.3	97.0	99.9	101.9	107.9	118.3	139.8	151.2
<b>Average 2<sup>nd</sup> Quarter</b>	<b>92.8</b>	<b>94.1</b>	<b>94.2</b>	<b>96.5</b>	<b>99.7</b>	<b>101.5</b>	<b>106.4</b>	<b>116.9</b>	<b>138.0</b>	<b>150.6</b>
July	92.8	94.4	94.9	97.1	100.0	102.1	109.0	121.4	143.8	151.1
August	92.6	95.1	94.9	97.1	100.3	102.2	109.6	122.5	148.3	151.1
September	92.6	95.4	95.1	97.2	100.6	102.1	109.9	123.7	148.1	151.0
<b>Average 3<sup>rd</sup> Quarter</b>	<b>92.7</b>	<b>95.0</b>	<b>95.0</b>	<b>97.1</b>	<b>100.3</b>	<b>102.1</b>	<b>109.5</b>	<b>122.5</b>	<b>146.7</b>	<b>151.1</b>
October	92.7	95.5	95.7	97.3	100.7	102.2	110.2	125.4	147.9	
November	92.6	95.6	96.3	98.1	100.6	102.3	110.3	126.9	147.7	
December	92.3	95.5	96.3	98.0	100.8	102.4	110.7	127.8	147.9	
<b>Average 4<sup>th</sup> Quarter</b>	<b>92.5</b>	<b>95.5</b>	<b>96.1</b>	<b>97.8</b>	<b>100.7</b>	<b>102.3</b>	<b>110.4</b>	<b>126.7</b>	<b>147.8</b>	
<b>Yearly average</b>	<b>92.6</b>	<b>94.6</b>	<b>94.8</b>	<b>96.9</b>	<b>100.0</b>	<b>101.8</b>	<b>107.6</b>	<b>119.8</b>	<b>141.5</b>	
<b>Annual change (%)</b>	<b>+0.3</b>	<b>+2.2</b>	<b>+0.2</b>	<b>+2.2</b>	<b>+3.2</b>	<b>+1.8</b>	<b>+5.7</b>	<b>+11.3</b>	<b>+18.1</b>	

**Table 4(b) - Comparative monthly and quarterly indices for Manufacture of Food Products & Beverages, January 2014 - September 2023**

Base period: Year 2018=100

Month	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
January	93.0	93.1	93.1	96.0	98.2	101.0	103.0	109.6	124.1	144.6
February	92.5	92.8	92.9	95.9	98.9	101.5	103.7	110.7	126.2	145.4
March	92.5	93.5	93.6	95.9	99.3	101.9	104.1	111.7	128.0	146.9
<b>Average 1<sup>st</sup> Quarter</b>	<b>92.7</b>	<b>93.1</b>	<b>93.2</b>	<b>95.9</b>	<b>98.8</b>	<b>101.5</b>	<b>103.6</b>	<b>110.7</b>	<b>126.1</b>	<b>145.6</b>
April	92.6	93.5	92.6	95.9	99.5	101.7	104.4	111.7	129.6	146.7
May	92.6	93.4	92.7	96.0	99.7	101.9	104.6	112.0	129.9	146.6
June	92.9	93.7	93.0	97.3	99.8	102.0	105.3	114.0	132.3	148.9
<b>Average 2<sup>nd</sup> Quarter</b>	<b>92.7</b>	<b>93.5</b>	<b>92.8</b>	<b>96.4</b>	<b>99.7</b>	<b>101.9</b>	<b>104.8</b>	<b>112.6</b>	<b>130.6</b>	<b>147.4</b>
July	92.9	93.8	93.4	97.0	100.2	102.1	107.3	116.7	136.8	149.1
August	92.7	94.4	93.7	97.1	100.5	102.1	108.1	116.6	143.5	149.2
September	92.9	94.9	94.1	97.2	100.9	102.2	108.4	117.1	145.5	148.8
<b>Average 3<sup>rd</sup> Quarter</b>	<b>92.8</b>	<b>94.4</b>	<b>93.7</b>	<b>97.1</b>	<b>100.5</b>	<b>102.1</b>	<b>107.9</b>	<b>116.8</b>	<b>141.9</b>	<b>149.0</b>
October	93.0	95.0	95.3	97.3	101.0	102.3	108.7	119.6	144.4	
November	93.0	95.2	96.2	97.3	101.0	102.4	108.9	122.2	144.0	
December	92.4	95.1	96.2	97.1	101.0	102.4	109.4	122.8	144.0	
<b>Average 4<sup>th</sup> Quarter</b>	<b>92.8</b>	<b>95.1</b>	<b>95.9</b>	<b>97.3</b>	<b>101.0</b>	<b>102.4</b>	<b>109.0</b>	<b>121.5</b>	<b>144.1</b>	
<b>Yearly average</b>	<b>92.8</b>	<b>94.0</b>	<b>93.9</b>	<b>96.7</b>	<b>100.0</b>	<b>102.0</b>	<b>106.3</b>	<b>115.4</b>	<b>135.7</b>	
<b>Annual change (%)</b>	<b>+0.3</b>	<b>+1.3</b>	<b>-0.1</b>	<b>+3.0</b>	<b>+3.4</b>	<b>+2.0</b>	<b>+4.2</b>	<b>+8.6</b>	<b>+17.6</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 33: Repair and installation of machinery and equipment (weight in the overall index is not significant and change of products is too dynamic)

However, Division 26: Manufacture of computer, electronic and optical products has been included in the current basket mainly because its weight in the overall index is significant.

The activities covered by the index represent around 97% of the gross output generated by the Non-EOE manufacturing sector during year 2018.

#### **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 2018 Census of Economic Activities (CEA 2018). For small establishments (engaging less than 10 persons), the list of respondents at the CEA 2018 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 wooden furniture, as these activities were the most important ones performed by small manufacturing establishments. A sample of 5 establishments was selected from the list of small manufacturing establishments.

Output of the selected establishments represented around 63% of the total GO generated by all establishments falling within the scope of the PPI-M.

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

Some 500 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 January 2018, 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, 2007 and 2013, based on the results of the 2002, 2007 and 2013 rounds of the Census of Economic Activities.

The current basket of goods has been updated based on the results of the 2018 Census of Economic Activities and the index is computed with year 2018 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 (2018)

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, imputation is carried out as per International Monetary Fund's recommendations.

## 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.

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