CONSUMER PRICE INDEX

*(Base period: January – December 2017 = 100)*

**3rd Quarter 2023**

### INTRODUCTION

This issue of Economic and Social Indicators presents the Consumer Price Index (CPI) for the third quarter 2023. The methodology used for computing CPI and inflation rate is given in the technical note at Annex.

### KEY POINTS

**2.1 Overall CPI**

The Consumer Price Index, which stood at 131.7 in June 2023, registered a decrease of -0.1 point (or -0.1%) to reach 131.6 in September 2023 (Table 1A).

On a monthly basis, the CPI decreased by 0.4 point in July, increased by 0.4 point in August and decreased by 0.1 point in September 2023.

**2.2 Overview of CPI movements**

The main contributors for the net decrease in CPI from June 2023 to September 2023 (Table 2) were:

* + - 1. lower prices of vegetables (-0.3 point), culinary herbs (-0.1 point), cooking oil (-0.1 point) and whisky (-0.1 point);

partly mitigated by;

* + - 1. higher prices of some other food products (+0.1 point), motor vehicles (+0.1 point), some prepared foods (+0.1 point) and, other goods and services (+0.2 point);

### MOVEMENT OF CPI SUB INDICES

  **Percentage change in CPI sub-indices from June 2023 to September 2023**

The changes in the sub-indices (Table 3) for the twelve divisions of consumption expenditure from June 2023 to September 2023 were as follows:

|  |  |
| --- | --- |
| Division of consumption expenditure | Main contributors to change |
| *Food and non-alcoholic beverages (-1.2%)* | Lower prices of vegetables (-5.3%), culinary herbs (-19.7%), cooking oil (-6.5%), fish (-0.8%), meat (-0.3%), fruits (-0.4%), cheese (-1.4%) and eggs (-1.7%), partly mitigated by higher prices of powdered milk (+1.4%), trader’s rice (+0.9%), margarine and ghee (+4.7%), energy drinks (+5.5%), sugar (+3.3%) and cereals (+2.8%). |
| *Alcoholic beverages and tobacco (-0.4%)*  | Lower prices of whisky (-5.6%), rum and other cane spirits (-0.1%) and wine (-0.1%), partly mitigated by higher prices of beer and stout (+0.3%). |
| *Clothing and footwear (+0.6%)* | Higher prices of ready-made clothing (+0.6%), footwear (+0.5%) and clothing materials (+1.7%). |
| *Housing, water, electricity, gas**and other fuels*  | Unchanged.  |
| *Furnishings, household equipment and routine household maintenance (+0.1%)* | Higher prices of washing materials and softeners (+1.2%), furniture (+0.6%), some major tools and equipment (+8.1%), glassware (+3.5%) and household textiles (+0.9%), partly offset by lower prices of major household appliances (-2.8%), some small electric household appliances (-1.6%) and other non-durable supplies (-0.2%). |
| *Health (+0.5%)* | Higher prices of medicinal products (+2.3%) and medical electronic devices (+0.5%), partly offset by lower prices of other medical products (-5.9%). |
| *Transport (+0.4%)* | Higher prices of motor vehicles (+1.2%) and some spare parts and accessories for motor vehicles (+2.4%), partly offset by lower prices of air tickets (-0.8%). |
| *Communication (-0.2%)* | Lower prices of mobile phones (-1.6%). |
| *Recreation and culture (+1.2%)* | Higher prices of some audio-visual equipment (+8.1%), partly offset by lower prices of some stationery (-1.2%). |
| *Education (+2.0%)* | Higher university fees for private institutions (+2.6%). |
| *Restaurants and hotels (+1.6%)* | Higher prices of some prepared foods (+1.5%), cakes and snacks (+0.3%) and higher rates in hotel accommodation (+13.0%). |
| *Miscellaneous goods and services*  | Unchanged. |
|  |  |

1. INFLATION RATE

The headline inflation rate was 10.8% for year 2022, compared to 4.0% for year 2021 (Table 5). On the basis of past trends, recent market conditions and price changes, the headline inflation rate for calendar year 2023 is forecasted at around 7.2%, compared to 10.8% in 2022.

The headline inflation rate excluding 'Alcoholic beverages and tobacco' was 11.0% for year 2022, compared to 3.7% for year 2021.

The headline inflation rate for the twelve months ending September 2023 worked out to 9.0%, compared to 9.4% for the twelve months ending September 2022.

The headline inflation rate excluding “Alcoholic beverages and tobacco” for the twelve months ending September 2023 worked out to 8.8%, compared to 9.3% for the twelve months ending September 2022.

1. INTERNATIONAL COMPARISON OF INFLATION RATE

The table below compares inflation rate (as measured by the percentage change in the average CPI for a given year relative to the previous year) of Mauritius with those of our main importing countries and some countries in the region for year 2022.

**Inflation rate (%) of selected countries, year 2022**

|  |  |  |  |
| --- | --- | --- | --- |
| **Country** | **Inflation rate (%)** | **Country** | **Inflation rate (%)** |
| France | 5.9 | Australia | 6.6 |
| United Kingdom | 9.1 | United States | 8.0 |
| China | 1.9 | Botswana | 12.2 |
| India | 6.7 | **Mauritius** | **10.8** |
| Japan | 2.5 | Seychelles | 2.7 |
| Singapore | 6.1 | South Africa | 6.9 |

 Source – World Economic Outlook Database, October 2023

**Statistics Mauritius**

**Ministry of Finance, Economic Planning and Development**

**Port Louis**

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Note:

1. This publication is available on the website of Statistics Mauritius at <http://statsmauritius.govmu.org> From the homepage, choose “Publications” followed by “Economic and Social Indicators”, then “Consumer Price Index”.
2. The monthly CPI is also available on our website. It is posted within 5 working days after the reference month.
3. More detailed information on CPI can be made available upon request.

Contact persons:

(1) Ms. Ashwinee Devi Soobhug

 Statistician

 asoobhug@govmu.org

(2) Mrs. Gyantee Jugoo

 Principal Statistical Officer

 gjugoo@govmu.org

 CPI Unit

 Statistics Mauritius

 LIC Building, Port Louis

 Tel: (+230) 208 1800

 Fax: (+230) 211 4150

 Email: cso\_cpi@govmu.org

Technical note

# ANNEX

1. Methodology used for the computation of the Consumer Price Index

 (Base period: January - December 2017 = 100)

(a) Definition

The Consumer Price Index (CPI) is an indicator of changes over time in the general level of prices of goods and services acquired by Mauritian consumers.

(b) Measurement of the CPI

The CPI measures price change by comparing, through time, the cost of a fixed basket of goods and services. As prices vary over time, the total cost of the basket also changes and thus the CPI measures the change in the cost of this basket. It provides a way to compare what this basket costs at a given period relative to a reference or base period.

The cost of the CPI basket is assigned a value of 100 in the base period and the costs in other periods are expressed as percentage changes compared to the base period. For example, if the CPI is 110, this means that there has been an increase of 10% in the cost of the basket since the base year; similarly an index of 90 means a 10% decrease in the cost of the basket.

(c) The CPI basket

The CPI basket is based on the expenditures of private households in a reference period, currently January to December 2017. The composition of the current CPI basket has been derived from the 2017 Household Budget Survey (HBS) data. It has been determined in accordance with latest ILO and SADC recommendations.

The items constituting the basket have been selected on the basis of the importance of household consumption expenditure on them. The basket includes all important items on which consumption expenditure is significant, i.e. accounting for around 0.1% or more of total household consumption expenditure. Each item’s relative importance, which is called the “weight” (usually expressed on a total of 1000), is the expenditure share of the item. Non-consumption items such as income tax, social security contributions, purchase of land, shares and life insurance are excluded.

The commodities in the basket are classified according to the UN COICOP (Classification of Consumption Expenditure according to Purpose) with 12 divisions, 42 groups and 80 classes.

(d) Price coverage

The prices used in the CPI calculation are those that any member of the public would have to pay to purchase the specified goods or services. Any taxes on products attached to the goods are included.

Price collection is done on a regular basis. Each month, around 8,000 price quotations are collected in respect of 1,093 item indicators from some 520 outlets selected to be representative of regions across the islands of Mauritius and Rodrigues.

Prices of non-perishable items are collected monthly in the nine geographical districts of the island of Mauritius and in Rodrigues.

Prices of fresh fruits, vegetables, meat and fish are collected on a weekly basis from 9 markets in Port Louis, Rose Hill, Quatre Bornes, Vacoas, Mahebourg, Flacq, Goodlands, Pamplemousses and Port Mathurin.

Information on rent is obtained from a quarterly rent survey of some 100 rented dwellings.

(e) Formula for computation of the CPI

The CPI is computed according to the Laspeyres Formula as a weighted average of price relatives of individual items. The weights are fixed and correspond to the base period expenditures. The Laspeyres Index measures the cost of a basket of goods and services at different points in time, relative to the cost of the same basket in the base period.

The formula used for computing the CPI at time ***t*** is

 **∑ Wi (Pit / Pi0 )**

**I t = X 100**

 **∑ Wi**

**where,**

**I t**  : CPI for period t with reference to a base period 0
**Pio** :Price of item *i* at time 0, i.e. during base period
**Pit** : Price of item *i* at time t
**Wi**: Weight of item *i*

The base period is January to December 2017, the period during which the latest HBS was conducted.

2. Inflation

1. Definition of Inflation

Inflation is the percentage change in the level of prices (as measured by the CPI) from one period to another.

1. Calculating the Inflation Rate

The headline inflation rate in Mauritius, like in many other countries, is calculated by using the annual average method, i.e. by comparing the average level of prices during a twelve-month period with the average level during the corresponding previous twelve-month period. This type of inflation rate is more appropriate for adjusting wages, salaries and pensions to compensate for loss of purchasing power. *All inflation rates presented in this publication relate to the headline inflation.*

Another commonly used method of calculating the inflation rate is the so called ‘year-on-year’ method. The year-on-year inflation rate is calculated as the percentage change in the CPI for a given month with respect to the CPI for the corresponding month of the previous year. It is generally used by central banks for monetary policy decisions. Year-on-year inflation rates are not presented in this publication but can be easily calculated through the available monthly CPI.

Note: More information about the concept, computation and use of the CPI is available online in the publication [‘HBS 2017 Methodological Report and updated CPI](https://statsmauritius.govmu.org/Documents/Census_and_Surveys/HBS/Methodological_Rep_HBS2017.pdf) ’