



CONSUMER PRICE INDEX

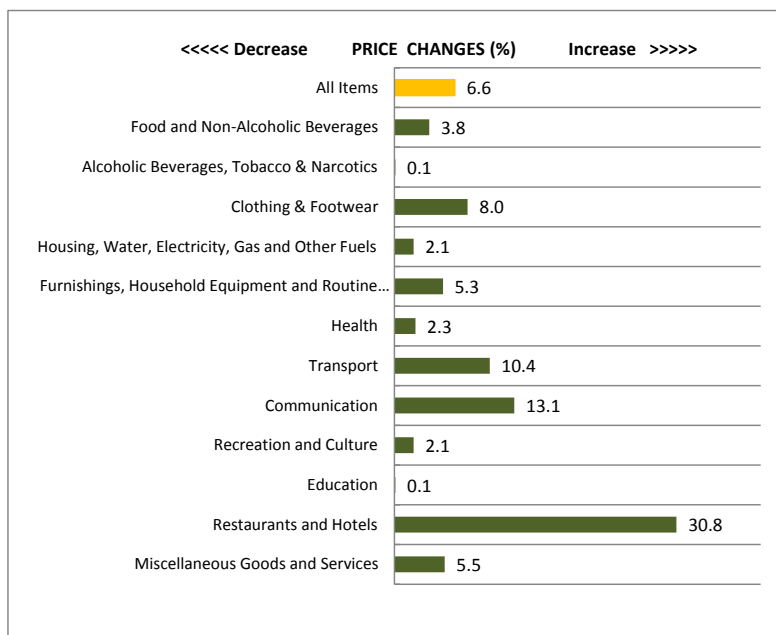
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Aug 2023

Inflation Rate

6.6%

Headline Inflation: Year-on-Year Changes for Aug 2023 compared to Aug 2022

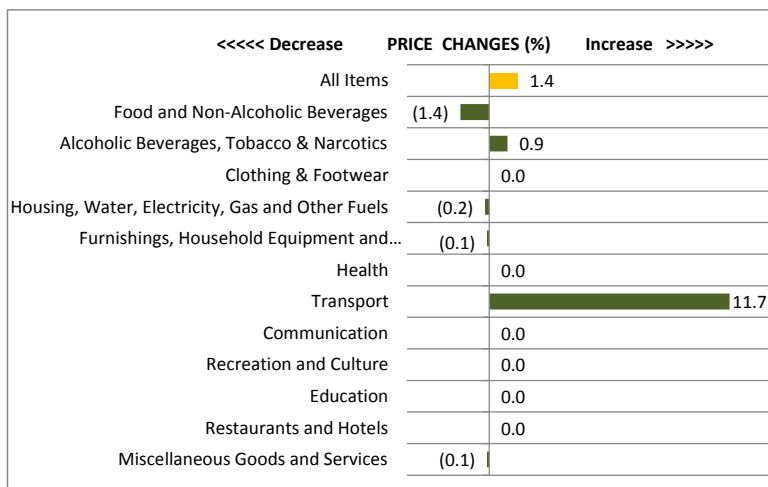


The All Items Index increased 6.6% for the twelve months ending August 2023; a larger increase than the 5.0% increase for the twelve months ending in July 2023. The index for Transport was the largest contributor to the All Items increase, accounting for 26.0% of the increase. Also contributing to the August annual increase was the advancement in the Communication index which rose for thirty-two consecutive month.

The index for Food and Non-Alcoholic Beverages increased 3.8% with the Food Index increasing 3.6% over the last twelve months. Price changes in the nine food indexes were split with six increase and three decreases. The index for Bread and Cereals rose by 9.1% and accounted for almost 40% of the food increase. The subcategory index of Other Cereals, Flour and Other Products increased 13.7% over the year. The index for Milk, Cheese and Egg accounted for the second largest contribution of 22.8%. The index advanced 10.4% over the twelve period. The index for Vegetables decrease 1.3% in August after increasing 9.5% in July. The decline was attributed to 11.7% decline in the index for Fresh or Chilled Potatoes. Another notable decrease was the index for Meats and Meat Product which also declined by 1.3%.

The index for All Items Less Food and Energy index rose 8.6% over the past twelve months. The index for Transport Services rose 34.2%. Influencing the increase was index for Passenger Transport by Air which rose 39.5%. Other indexes with notable increases over the last year include Restaurants and Hotels (+30.8%), Communication (+13.1%), Clothing and Footwear (+8.0%), Miscellaneous Goods and Services (5.5%) and Furnishing Household Equipment and Routine Household Maintenance (5.3%).

Month-to-Month Changes for Aug 2023 compared to Jul 2023



The Monthly Consumer Price Index rose 1.4% in August 2023 after increasing 0.8% in the previous month.

The index for Food declined 1.6% in August. Seven of nine food groups posted decreases over the one month period. The index for Vegetables declined 5.3% in August as all three subcategories declined. The index for Frozen, Preserved or Processed Vegetables declined 6.6%, while the index for Fresh or Chilled Potatoes fell 5.4%. Also declining was the index for Fresh or Chilled Vegetables (-3.3%). Other notable food groups decreases include Fruit (-3.7%), Sugars, Jam, Honey, Chocolate and Confectionery (-1.3%) and Meat and Meat Products (-1.2%). In contrast, the index for Food Products N.E.C rose 2.2% and the index for Bread and Cereals increased 1.0%

The index for All Items Less Food and Energy rose 2.4% in August after rising 0.9% in July. The index was largely driven by a 28.6% increase in the index for Transport Services. The index for Alcoholic Beverages, Tobacco and Narcotics rose 0.9% after declining 2.2% the previous month. The indexes for Housing, Water, Electricity, Gas and Other Fuels declined 0.2%, while both the indexes for Miscellaneous Goods and Services and Furnishings, Household equipment and Routine Maintenance both declined 0.1% over the period. The remaining indexes remained unchanged.

Chart 1: Change in Index Contribution for Aug 2023 Inflation

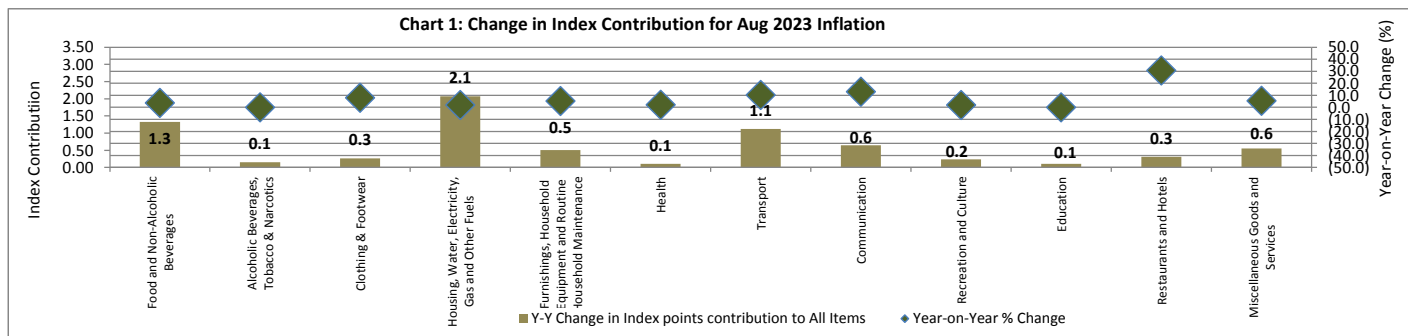


Table 1: Examples of Goods and Services in the 2019-based Consumer Shopping Basket

Main Expenditure Categories	No. of Items	Example of Goods and Services for which prices are collected to calculate the inflation rate	Frequency of price collection
Food and Non Alcoholic Beverages	192	<i>Bread, cereals, milk, coffee, juices, meats, fruits,vegetables, sugar, water</i>	Monthly
Alcoholic Beverages, Tobacco & Narcotics	13	<i>Beer, stout, rum, vodka, wine,whisky,cigarettes</i>	Monthly
Clothing and Footwear	72	<i>Men’s pants, boys shorts, women’s dresses, brassieres, underwear, laundry services,footwear</i>	Quarterly
Housing, Water, Electricity, Gas and Other Fuels	13	<i>Rent paid, repairs and maintenance, water supply, electricity, LPG cooking gas</i>	Monthly,Quarterly
Furnishings, Household Equipment and Routine Household	82	<i>Appliances, sofas, mattress, dressing table, glassware; detergent</i>	Quarterly
Health	8	<i>doctor’s bill, medicines,vitamins</i>	Monthly
Transport	27	<i>cars, batteries, license, gasoline, tyres, airline fares,</i>	Monthly, Quarterly
Communication	6	<i>Cell phones, cell phone rates, internet rates</i>	Quarterly
Recreation and Culture	14	<i>Televisions, radio, computers, cable tv services, movie cinemas tickets</i>	Quarterly
Education	3	<i>School fees, exam fees</i>	Annual
Restaurants and Hotels	8	<i>Meal lunches, burgers, fried chicken, pizza, roti, accommodation</i>	Quarterly
Miscellaneous Goods and Services	28	<i>Hair cuts, manicure pedicure, saloons, body lotion, toothpaste, shampoo, jewellery</i>	Monthly, Quarterly
Total number of goods and services in the basket	466	Prices are collected from the second Monday to the second Thursday of every month	
¹ Outlets refer to the businesses where prices are collected (e.g supermarkets). The same outlets are used for Food and Non-Alcoholic Beverages, Alcoholic Beverages, Tobacco & Narcotics and some Miscellaneous Goods and Services			

What is the Consumer Price Index?

The Consumer Price Index (CPI) is a statistical indicator of changes in the general level of prices of consumer goods and services purchased by private households. The CPI measures price movements of a fixed quality and quantity of goods and services. The mix of these consumer goods and services comprising the CPI are referred to as a "shopping basket." In constructing this "shopping basket", the selected goods and services are organised first by commodity type. They are then divided into sections, then sub-groups and then assigned to a major expenditure category. The Antigua and Barbuda CPI has 26 sections, 30 sub-groups and 12 major categories.

What is the Base Period?

The base period (base year) is the time period that is used as a reference point for measuring the price change of goods and services. The base period for the Antigua and Barbuda CPI is January 2019.

The base period index is represented as 100.0. (Usually presented as 2019 = 100). So for instance, if the April 2020 CPI for chicken legs is 167.1, then it means that the price for chicken legs has gone up by 67.1% since 2019. Similarly, if the January 2020 CPI for bread is 93.1, then the price of bread has dropped by 6.9% compared to its price in 2019.

What is Inflation?

Inflation is the process of rising prices, resulting in diminishing purchasing power of a given amount of money. There are three expressions of price changes:

- year-on-year (*the inflation rate*)
- month-to-month
- annual average (or annualised average)

The annual average CPI is the arithmetic mean of the CPIs of the 12 months.

What are Weights?

Weights are "expenditure shares" that is the proportion of total spending on various consumer goods and services, for example, 20% on rent, 25% food, 15% transport, 10% on utilities and so on. the CPI weights are a expression of household's spending on consumer goods and services.

The weights were drawn from a survey of a sample of households in each month of 2006 (the weight base period). Each household in the sample kept a record of their expenditure for one month. Once completed, the expenditures were added to determine expenditure shares per 1000; these are the weights.

The current weights indicate that, households would spend the most on *Accommodation* (218.3 out of 1000) followed by *Food* (214.2) and *Transportation and Communication* (153.5). Households spend the least on *Alcoholic Drink and Tobacco* (1.6).

Year-on-Year Inflation	June 2010 CPI	–	June 2009 CPI	
	$\frac{\text{June 2010 CPI} - \text{June 2009 CPI}}{\text{June 2009 CPI}} \times 100$			
Month-to-Month Price Changes	June 2010 CPI	–	May 2010 CPI	
	$\frac{\text{June 2010 CPI} - \text{May 2010 CPI}}{\text{May 2010 CPI}} \times 100$			
Annualised Inflation Rate	Average 2010 CPI	–	Average 2009 CPI	
	$\frac{\text{Average 2010 CPI} - \text{Average 2009 CPI}}{\text{Average 2009 CPI}} \times 100$			

The compilation of the CPI and the calculation of the inflation rate involve the processing of hundreds of price quotations. The Statistics Division wishes to acknowledge the cooperation of the business community in supplying the required prices and accommodating the Statistical Officers on their premises.

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Table 2: CPI and Inflation Rate for Main Categories, Sub-groups and Sections

Expenditure Category and Sub Groups - means zero 0.0 means negligible	Jan 2006 weights	Consumer Price Indices			Year-on-Year % Change	Month-to-Month % Change
		Aug-2023	Jul-2023	Aug-2022	Aug-2023	Aug-2023
					Aug-2022	Jul-2023
All Items	100.00	119.86	118.16	112.47	6.6	1.4
FOOD AND NON-ALCOHOLIC BEVERAGES	17.94	122.53	124.24	118.09	3.8	(1.4)
FOOD	15.85	122.78	124.81	118.47	3.6	(1.6)
Bread and Cereals	2.63	125.34	124.08	114.93	9.1	1.0
Meat and Meat Products	2.60	132.67	134.31	134.39	(1.3)	(1.2)
Beef and Veal	0.28	135.43	136.25	128.51	5.4	(0.6)
Pork	0.32	140.59	133.51	126.41	11.2	5.3
Lamb, Mutton and Goat	0.11	117.37	117.23	134.70	(12.9)	0.1
Poultry	1.16	138.42	141.25	142.83	(3.1)	(2.0)
Other Meats and Edible Offal	0.19	91.46	96.25	97.19	(5.9)	(5.0)
Delicatessen and other Meat Preparations	0.54	131.89	135.74	137.10	(3.8)	(2.8)
Fish and Seafood	1.91	116.82	117.54	111.27	5.0	(0.6)
Milk, Cheese and Eggs	1.41	120.21	121.36	108.87	10.4	(0.9)
Preserved Milk and Other Milk Products/Powder/Evaporated	0.89	115.01	117.10	101.99	12.8	(1.8)
Cheese	0.25	115.38	114.44	111.47	3.5	0.8
Eggs and Egg-based Products	0.27	141.43	141.43	128.72	9.9	0.0
Oils and Fats	0.48	142.42	142.73	133.33	6.8	(0.2)
Fruit	1.03	112.57	116.91	113.68	(1.0)	(3.7)
Vegetables	3.87	114.01	120.33	115.48	(1.3)	(5.3)
Sugars, Jam, Honey, Chocolate and Confectionery	0.67	127.45	129.12	112.76	13.0	(1.3)
Sugar	0.35	135.88	139.37	113.39	19.8	(2.5)
Jams, Marmalades and Honey/Syrup	0.09	115.97	119.40	115.19	0.7	(2.9)
Confectionery, Chocolate and Other Cocoa Preparation	0.07	133.43	128.65	121.49	9.8	3.7
Edible ice, ice cream and sorbet	0.16	112.46	112.13	105.78	6.3	0.3
Food Products n.e.c	1.25	137.86	134.90	126.76	8.8	2.2
Non-Alcoholic Beverages	2.09	120.64	120.04	115.29	4.6	0.5
ALCOHOLIC BEVERAGES, TOBACCO & NARCOTICS	2.02	118.78	117.71	118.63	0.1	0.9
Alcoholic Beverages	1.49	111.47	110.02	110.37	1.0	1.3
Tobacco	0.52	139.69	139.69	142.23	(1.8)	0.0
CLOTHING & FOOTWEAR	3.60	131.14	131.14	121.44	8.0	0.0
Clothing	2.83	128.41	128.41	121.52	5.7	0.0
Clothing Material	0.13	120.94	120.94	108.93	11.0	0.0
Garments	2.24	130.04	130.04	123.98	4.9	0.0
Other articles of Clothing and Clothing Accessories	0.45	122.51	122.51	113.03	8.4	0.0
Footwear	0.77	141.19	141.19	121.13	16.6	0.0
HOUSING, WATER, ELECTRICITY, GAS AND OTHER FUELS	28.06	100.49	100.71	98.41	2.1	(0.2)
Actual Rentals for housing	19.81	102.19	102.50	100.00	2.2	(0.3)
Materials for the Maintenance and repair of dwelling	1.15	134.63	134.63	127.55	5.6	0.0
Services for the Maintenance and repair of dwelling	0.60	112.60	112.60	101.39	11.1	0.0
Water Supply	1.14	99.92	99.92	99.92	0.0	0.0
Electricity	4.62	83.33	83.33	83.33	0.0	0.0
Gas	0.72	100.00	100.00	100.00	0.0	0.0
FURNISHINGS, HOUSEHOLD EQUIPMENT AND ROUTINE HOUSEHOLD MAINTENANCE	6.84	136.27	136.43	129.42	5.3	(0.1)
Furniture and furnishings, Carpets and other floor coverings	1.95	164.14	164.14	140.59	16.8	0.0
Household Textiles	0.43	121.62	121.62	174.11	(30.1)	0.0
Household Appliances	0.66	114.05	114.05	133.47	(14.6)	0.0
Glassware, Tableware and Household Utensils	0.17	97.31	97.31	102.23	(4.8)	0.0
Tools and Equipment for House and Garden	0.16	176.27	176.27	172.64	2.1	0.0
Goods and Services for routine Household Maintenance	3.46	126.72	127.04	115.81	9.4	(0.3)
HEALTH	1.37	103.27	103.27	100.92	2.3	0.0
Medical products, Appliances and Equipment	0.51	107.07	107.07	107.18	(0.1)	0.0
Outpatient Services	0.86	100.99	100.99	97.17	3.9	0.0
TRANSPORT	15.11	135.28	121.11	122.55	10.4	11.7
Purchase of Vehicles	4.02	108.28	108.28	108.78	(0.5)	0.0
Operations of Personal Transport Equipment	6.00	111.98	111.98	120.08	(6.7)	0.0
Transport Services	5.10	180.48	140.31	134.51	34.2	28.6
COMMUNICATION	8.70	137.65	137.65	121.70	13.1	0.0
RECREATION AND CULTURE	3.23	87.94	87.94	86.12	2.1	0.0
EDUCATION	1.44	99.88	99.88	99.77	0.1	0.0
RESTAURANTS AND HOTELS	4.15	132.87	132.87	101.58	30.8	0.0
MISCELLANEOUS GOODS AND SERVICES	7.53	129.36	129.51	122.62	5.5	(0.1)
All Items less Food		119.45	116.91	111.39	7.2	2.2
All Items less Energy		122.11	120.27	113.58	7.5	1.5
All Items less Food and Energy		122.11	119.29	112.47	8.6	2.4

Table 3: Distribution of Changes in the Inflation Rate

	No. of categories	No. of Decreases	No. of Increases	No. of No Changes
Aug 2023 compared to Aug 2022				
Main Expenditure Level	12	0	12	0
Sub Group Level	23	7	13	3
Section Level*	12	3	9	0
Jul 2023 compared to Jul 2022				
Main Expenditure Category Level	12	2	10	0
Sub Group Level	23	7	12	4
Section Level*	12	0	12	0
Aug 2023 compared to Jul 2023				
Main Expenditure Level	12	4	2	6
Sub Group Level	23	3	3	17
Section Level*	12	7	2	3

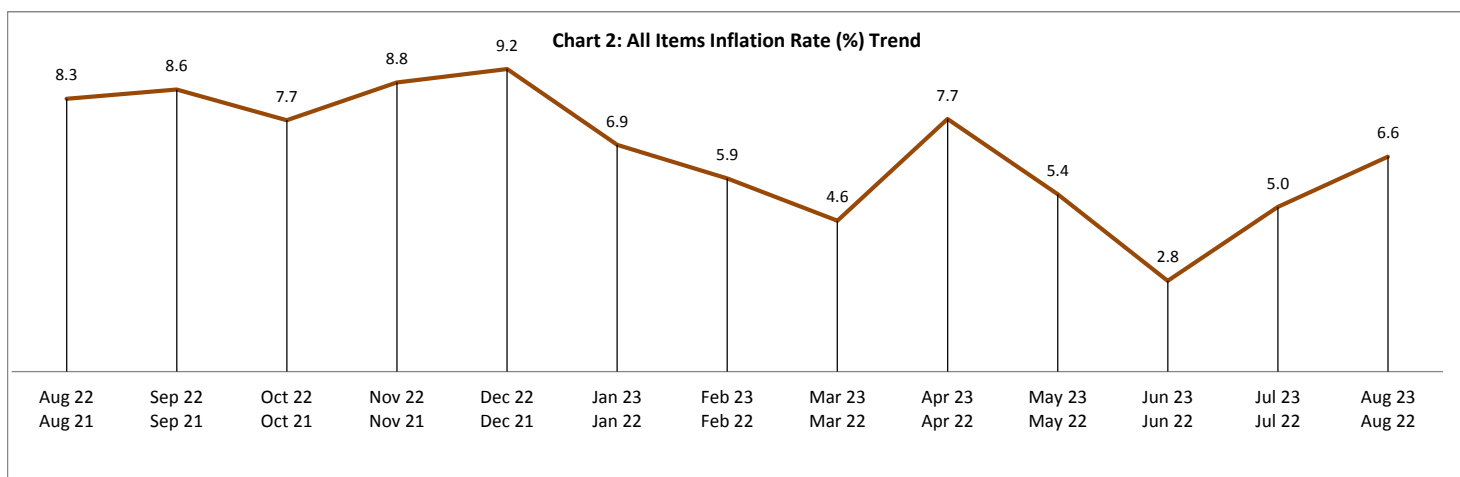
**Section Level is 33 Sections however for comparative purposes between 2023 and 2022 data we are utilizing 12 section levels*

Table 3 outlines the distribution of price movements for four inflation periods:

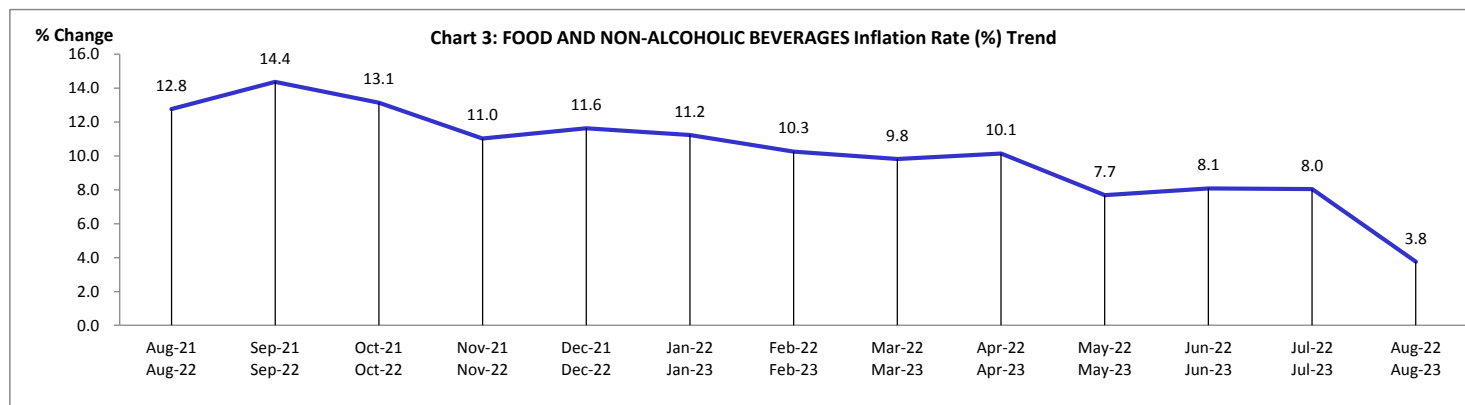
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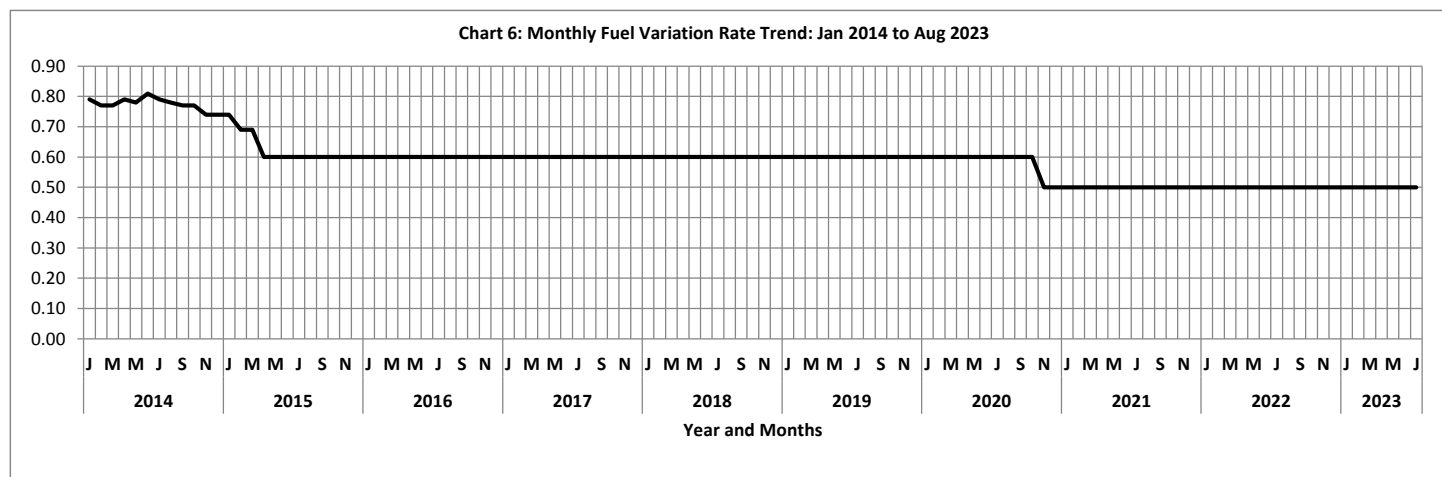
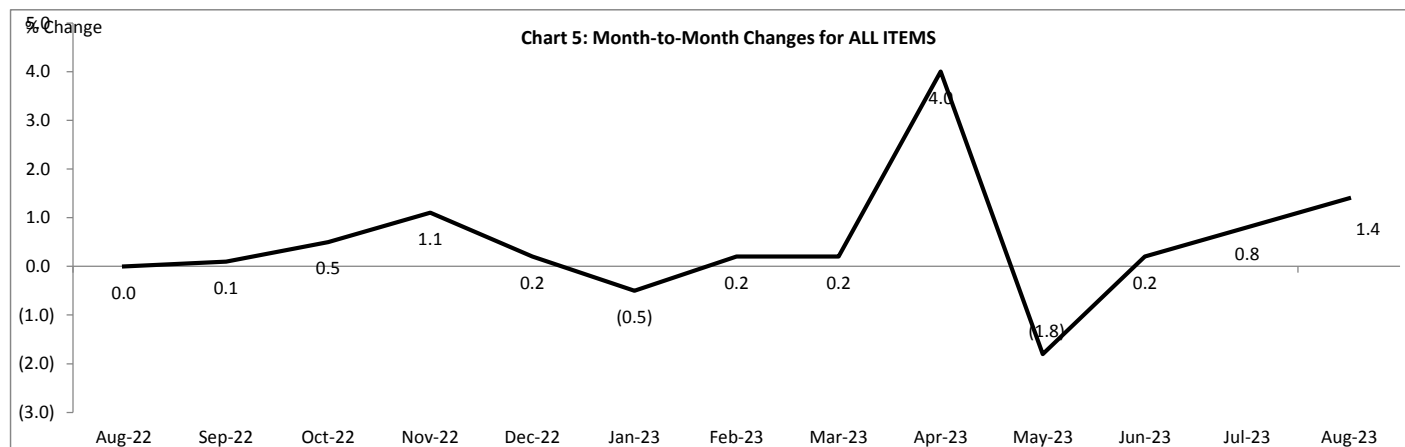
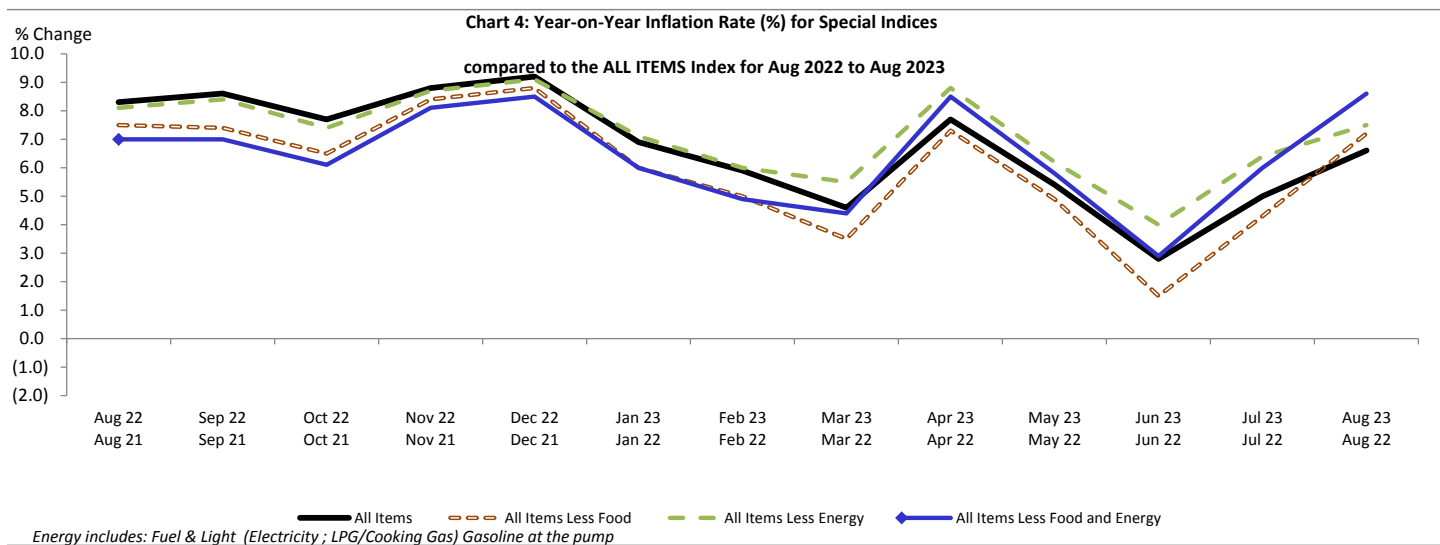
In Aug 2023 compared to Aug 2022, 0 of the 12 main expenditure categories recorded price decreases, while 12 recorded price increases. 13 of the 23 sub-group levels also recorded price increases for some of the items that fall in that level. These collective increases and decreases would account for the magnitude and direction of the current inflation rate. 0 of the 12 main expenditure categories recorded no price changes.

Graphical Analysis of the Consumer Price Index



Featured Expenditure Category





CPI Aug 2023