

REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

CONSUMER PRICE INDEX (CPI) October 2013

The National Institute of Statistics of Rwanda is very pleased to deliver to users the Consumer Price Index (February 2009=100). The All Urban CPI is regarded as the headline index, producing the official inflation rate. **The CPI is published every month by the 10th**

All Urban Index:

In October 2013 the All Urban general index is established at 124.5 this stands for an increase of 0.33% over the previous month which was 124.1. In annual change it increased by 5.10% (5.099%) compared to 5.10% (5.095%) in the previous month. This gives a general inflation rate by an annual average of 4.2% during the month of October 2013.

The underlying inflation rate (excluding fresh food and energy) increased by 0.33% if compared to the previous month and increased by 3.24% on annual change. The annual average underlying inflation rate is + 3.8 % (3.81%) in October 2013 up from the previous month 3.8 % (3.76%).

All Rural Index:

In October 2013 the All Rural general index is established at 135.2 this stands for an increase of 1.95% over the previous month which was 132.6. In annual change it increased by 7.86% compared to 7.63% in the previous month.

All Rwanda Index:

In October 2013 the All Rwanda general index is established at 131.5 this stands for an increase of 1.42% over the previous month which was 129.7. In annual change it increased by 6.96% compared to 6.79% in the previous month.

Feb 2009=100	Oct. 12	Nov. 12	Dec. 12	Jan. 13	Feb. 13	Mar. 13	April 13	May 13	June 13	July 13	Aug. 13	Sept. 13	Oct. 13
All Urban General Index	118.4	117.9	116.9	118.5	118.8	119.6	121.2	121.3	121.2	121.1	122.5	124.1	124.5
Annual change	5.36	4.55	3.88	5.67	4.79	3.25	4.37	2.98	3.68	3.52	4.04	5.10	5.10
All Rural General Index	125.3	124.0	121.4	119.8	119.8	121.7	123.9	124.4	123.6	124.9	125.7	132.6	135.2
Annual change	15.01	13.04	11.96	11.79	9.74	6.55	6.13	4.85	4.61	4.48	3.64	7.63	7.86
All Rwanda General Index	123.0	121.9	119.9	119.4	119.4	121.0	123.0	123.3	122.8	123.6	124.6	129.7	131.5
Annual change	11.68	10.11	9.16	9.65	8.01	5.42	5.53	4.21	4.29	4.16	3.78	6.79	6.96

ALL URBAN CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Oct. 12	July 13	Aug. 13	Sept. 13	Oct. 13	1 month	3 months	12 months
	GENERAL INDEX	10000	118.4	121.1	122.5	124.1	124.5	0.33	2.76	5.10
01	Food and non-alcoholic beverages	3538	128.2	130.2	133.8	138.1	138.7	0.43	6.59	8.18
0111	❖ Bread and cereals	733	116.3	114.2	113.7	114.0	115.0	0.92	0.74	-1.10
0112	❖ Meat	274	115.3	116.2	115.4	115.6	114.8	-0.63	-1.19	-0.43
0113	❖ Fish	83	136.4	157.7	160.8	157.3	162.9	3.55	3.3	19.46
0117	❖ Vegetables	1200	144.2	150.1	159.3	169.3	167.4	-1.10	11.51	16.12
012	❖ Non-alcoholic beverages	160	113.8	118.2	118.9	118.5	118.0	-0.47	-0.17	3.69
02	Alcoholic beverages and tobacco	240	120.0	124.9	125.8	124.3	126.8	2.00	1.48	5.62
03	Clothing and footwear	377	113.3	113.1	113.9	111.6	112.4	0.78	-0.57	-0.78
04	Housing, water, electricity, gas and other fuels	2204	111.5	110.8	111.1	111.3	111.6	0.22	0.73	0.03
05	Furnishing, household equipment and routine household maintenance	457	106.2	107.8	106.9	107.4	106.9	-0.49	-0.90	0.65
06	Health	163	103.9	104.1	104.5	104.6	104.1	-0.49	-0.01	0.18
07	Transport	1189	126.2	126.6	126.9	126.6	127.2	0.41	0.46	0.77
08	Communication	288	91.8	91.2	91.2	91.2	91.2	0.00	0.00	-0.58
09	Recreation and culture	256	104.5	105.7	105.8	106.4	105.6	-0.76	-0.14	1.05
10	Education	331	129.9	175.6	175.6	175.6	175.6	0.00	0.00	35.18
11	Restaurants and hotels	558	105.5	111.4	110.9	111.6	112.4	0.71	0.93	6.53
12	Miscellaneous goods and services	400	106.9	109.4	110.4	110.2	110.0	-0.17	0.52	2.89

In October 2013 the All Urban general index is established at 124.5 this stands for an increase of 0.33% over the previous month which was 124.1. In annual change it increased by 5.10% (5.099%) compared to 5.10% (5.095%) in the previous month. This gives a general inflation rate by an annual average of 4.2% during the month of October 2013.

The underlying inflation rate (excluding fresh food and energy) increased by 0.33% if compared to the previous month and increased by 3.24% on annual change. The annual average underlying inflation rate is + 3.8 % (3.81%) in October 2013 up from the previous month 3.8 % (3.76%).

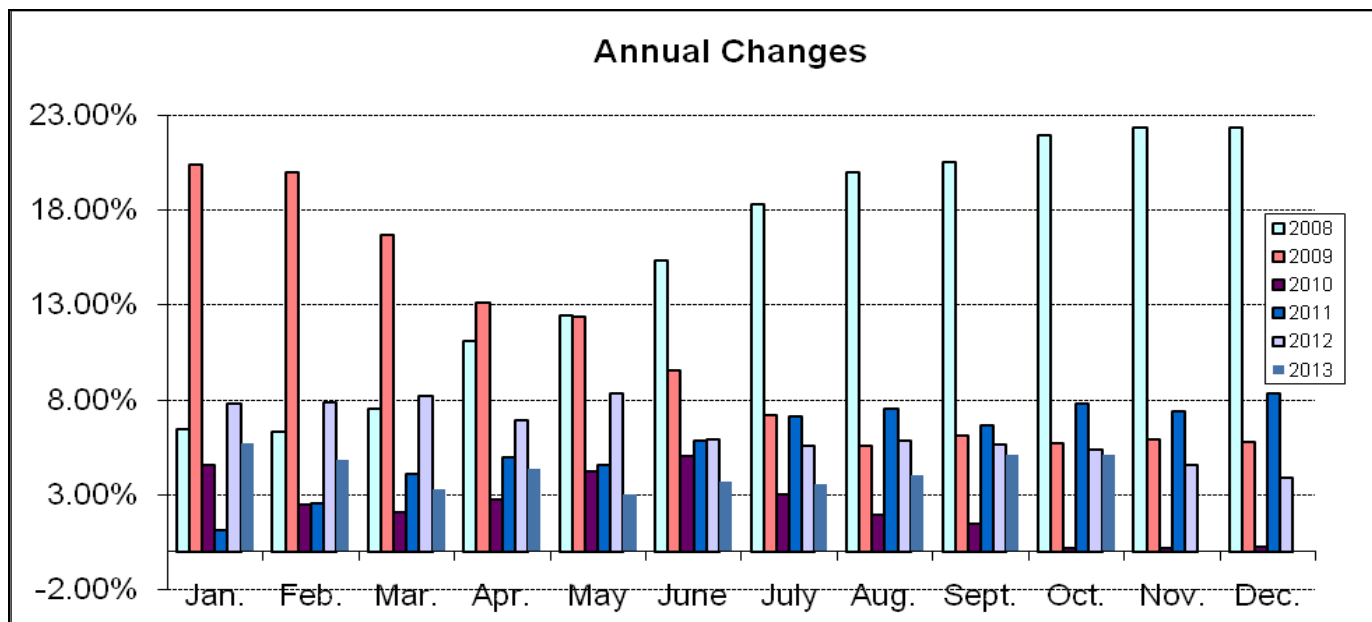
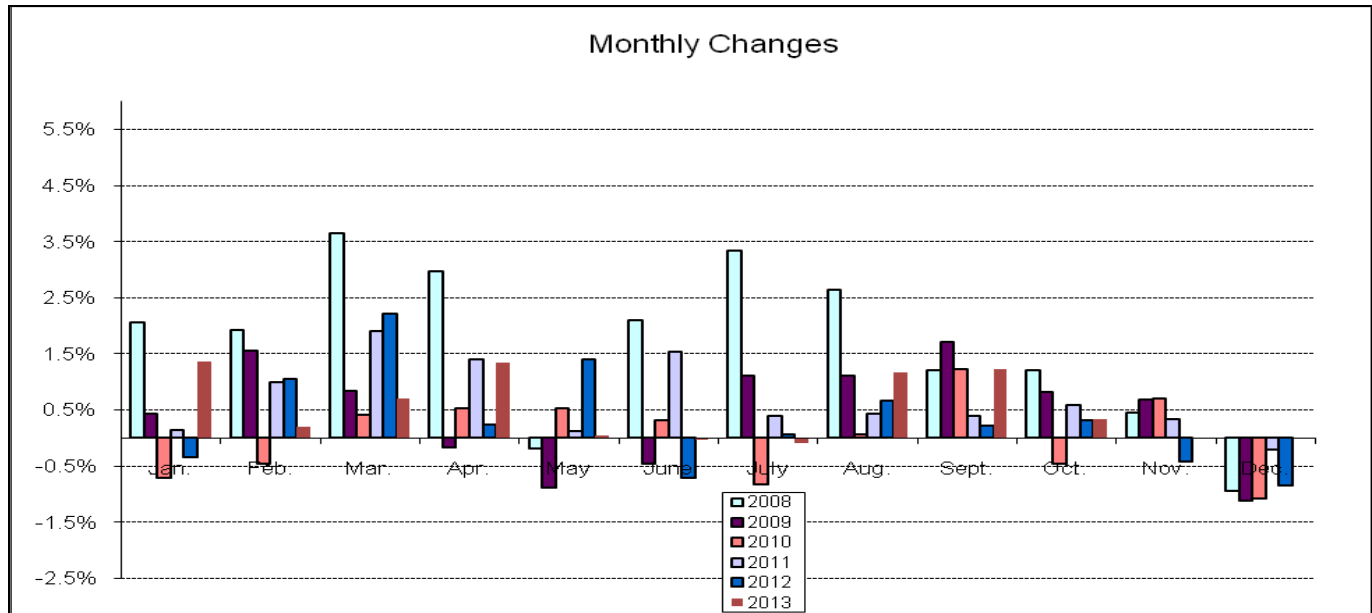
The increase in the consumer price index of 0.33 is attributable primarily to the increase in Food and non-alcoholic beverages (0.43).

It is noted that the increase of 0.43 in prices of Food and non alcoholic beverages is primary attributable to the increase of 0.92 of Bread and Cereals.

In annual change, the increase in the general index of 5.10 is mainly due to the rising prices of Food and non alcoholic beverages (8.18) and Education (35.18) which contributed +3.14 and + 1.28 respectively.

The 'local goods' increased by 6.05 on annual change with a monthly change of 0.43, while prices of the imported products increased by 1.23 on annual change with a monthly change of -0.12.

The prices of the fresh products had a positive annual change of 15.35 between October 2013 and October 2012.

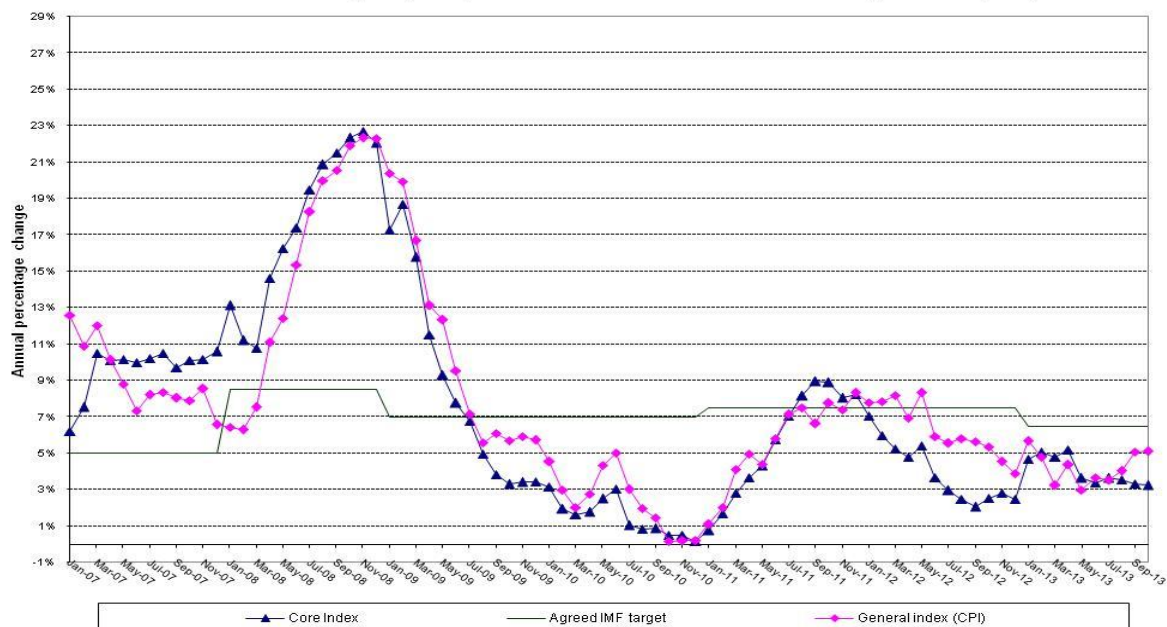


Evolution (over 12 months) of the rate of inflation (%) ⁽¹⁾

MONTH	Oct. 12	Nov. 12	Dec. 12	Jan. 13	Feb. 13	Mar. 13	April 13	May 13	June 13	July 13	Aug. 13	Sept. 13	Oct. 13
General index	6.9	6.7	6.3	6.1	5.9	5.5	5.2	4.8	4.6	4.4	4.3	4.3	4.2
Core / Underlying	4.8	4.4	3.9	3.7	3.7	3.6	3.7	3.5	3.5	3.6	3.7	3.8	3.8

(1) In October 2013, the average index of the last twelve months November 2012 to October 2013 increased by 4.2 (general index) and 3.8 (Core index) compared to the average index of the previous twelve months (November 2011 to October 2012).

Annual changes (Comparison with the same month of the previous year)



Other All Urban Indices

February 2009=100	Weights	Indices for the following months:					Changes in % over:		
		Oct. 12	July 13	Aug. 13	Sept. 13	Oct. 13	1 month	3 months	12 months
GENERAL INDEX	10,000	118.4	121.1	122.5	124.1	124.5	0.33	2.76	5.10
Local Goods Index	7,947	119.7	122.9	124.6	126.4	126.9	0.43	3.29	6.05
Food and non-alcoholic beverages	2,982	130.5	132.6	136.7	141.5	142.3	0.58	7.28	9.03
Housing, water, electricity, gas and other fuels	2,134	111.6	110.8	111.2	111.4	111.6	0.16	0.69	-0.02
Transport	759	125.7	126.7	126.7	126.6	127.1	0.42	0.38	1.15
Imported Goods Index	2,053	113.5	114.3	114.8	115.0	114.9	-0.12	0.55	1.23
Food and non-alcoholic beverages	555	116.2	117.0	118.0	120.3	119.8	-0.47	2.37	3.08
Furnishing, household equipment	196	98.9	101.0	99.6	100.8	99.6	-1.13	-1.39	0.75
Transport	430	127.1	126.4	127.2	126.7	127.2	0.39	0.60	0.10
Fresh Products index⁽¹⁾	1,403	146.3	149.6	157.8	168.5	168.8	0.17	12.82	15.35
Energy index	767	124.1	121.8	123.0	123.5	124.4	0.72	2.12	0.27
General Index excluding fresh Products and energy⁽²⁾	7,829	112.9	115.9	116.2	116.1	116.5	0.33	0.50	3.24

(1) Fresh products are food products which have seasonal fluctuations

(2) Proxy for underlying inflation

ALL RURAL CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Oct. 12	July 13	Aug. 13	Sept. 13	Oct. 13	1 month	3 months	12 months
	GENERAL INDEX	10000	125.3	124.9	125.7	132.6	135.2	1.95	8.17	7.86
01	Food and non-alcoholic beverages	6387	134.7	133.9	135.4	146.1	149.9	2.60	11.91	11.23
0111	❖ Bread and cereals	1203	112.8	104.0	101.8	103.9	105.6	1.64	1.57	-6.39
0112	❖ Meat	169	116.6	118.9	116.3	116.7	116.9	0.09	-1.75	0.20
0113	❖ Fish	72	132.0	148.4	156.0	171.2	171.6	0.24	15.68	30.00
0117	❖ Vegetables	3213	157.3	159.4	163.1	181.8	187.3	3.02	17.53	19.05
012	❖ Non-alcoholic beverages	196	101.8	102.9	102.9	104.9	106.7	1.74	3.64	4.77
02	Alcoholic beverages and tobacco	424	107.7	105.1	100.0	102.1	101.6	-0.49	-3.29	-5.70
03	Clothing and footwear	348	121.8	120.3	119.8	120.1	120.2	0.11	-0.06	-1.29
04	Housing, water, electricity, gas and other fuels	1274	104.7	103.5	103.8	103.8	104.6	0.84	1.08	-0.03
05	Furnishing, household equipment and routine household maintenance	277	108.6	109.4	108.9	106.3	107.0	0.70	-2.11	-1.41
06	Health	112	104.7	105.2	105.2	105.7	106.0	0.20	0.74	1.21
07	Transport	426	107.8	108.7	109.1	109.2	109.7	0.44	0.91	1.76
08	Communication	51	92.4	92.4	92.4	92.4	92.4	0.00	0.09	0.08
09	Recreation and culture	112	105.1	104.5	105.2	104.8	105.6	0.80	1.07	0.47
10	Education	137	121.1	129.9	129.9	129.9	129.9	0.00	0.00	7.27
11	Restaurants and hotels	222	115.2	119.2	119.3	120.7	120.9	0.15	1.46	4.97
12	Miscellaneous goods and services	230	107.3	114.2	114.3	113.8	114.1	0.23	-0.07	6.36

ALL RWANDA CONSUMER PRICE INDEX

February 2009=100

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			Oct. 12	July 13	Aug. 13	Sept. 13	Oct. 13	1 month	3 months	12 months
	GENERAL INDEX	10000	123.0	123.6	124.6	129.7	131.5	1.42	6.38	6.96
01	Food and non-alcoholic beverages	5422	133.3	133.1	135.1	144.3	147.4	2.14	10.76	10.58
0111	❖ Bread and cereals	1044	113.7	106.4	104.6	106.3	107.9	1.46	1.35	-5.10
0112	❖ Meat	205	116.0	117.7	115.9	116.2	115.9	-0.23	-1.49	-0.09
0113	❖ Fish	76	133.6	151.8	157.8	166.1	168.4	1.40	10.91	26.01
0117	❖ Vegetables	2531	155.2	157.9	162.5	179.8	184.1	2.39	16.61	18.62
012	❖ Non-alcoholic beverages	184	105.4	107.4	107.6	108.9	110.0	1.03	2.41	4.43
02	Alcoholic beverages and tobacco	362	110.5	109.5	105.8	107.1	107.3	0.16	-2.07	-2.94
03	Clothing and footwear	358	118.8	117.7	117.7	117.1	117.5	0.34	-0.23	-1.11
04	Housing, water, electricity, gas and other fuels	1589	107.9	106.9	107.2	107.3	107.9	0.54	0.91	0.00
05	Furnishing, household equipment and routine household maintenance	338	106.7	107.8	107.1	105.9	106.1	0.15	-1.61	-0.55
06	Health	130	104.4	104.7	104.9	105.3	105.2	-0.09	0.42	0.78
07	Transport	685	118.6	119.2	119.5	119.5	120.0	0.42	0.63	1.14
08	Communication	131	91.9	91.5	91.5	91.5	91.5	0.00	0.02	-0.41
09	Recreation and culture	161	104.9	105.3	105.6	105.8	105.7	-0.05	0.46	0.80
10	Education	203	126.0	155.1	155.1	155.1	155.1	0.00	0.00	23.18
11	Restaurants and hotels	336	109.7	114.9	114.6	115.6	116.1	0.45	1.09	5.82
12	Miscellaneous goods and services	288	107.1	111.9	112.5	112.1	112.2	0.04	0.20	4.73

METHODOLOGICAL NOTICE

The Consumer Price Index (CPI) is a measure of the average change over time of goods and services purchased by households. The CPI uses a Modified Laspeyres formula to calculate the index. The reference population for the CPI consists of all households, urban and rural, living in Rwanda.

The household basket includes 1,136 products observed in many places spread all over the administrative centers of all provinces in Rwanda. All kinds of places of observation are selected: shops, markets, services etc. More than 29,200 prices are collected every month by enumerators of the National Institute of Statistics of Rwanda and of the National Bank of Rwanda.

The index reference, or base, for the CPI is February 2009.

The weights used for the index are the result of the Household Living Conditions Survey (EICV II) conducted in 2005-2006 with a sample of 6,900 households.

How to Interpret the CPI

Movements of the indexes from one month to another usually are expressed as percent changes rather than changes in index points. The level of the index (relative to its base period) affects index point changes, but it does not affect percent changes. The following example illustrates how to calculate percent changes:

Index point change

CPI	178
Less CPI for previous period	<u>176</u>
Equals index point change	2

Percent change

Index point difference	2
Divided by the previous index	176
Equals	0.011
Results multiplied by 100	0.011 x 100
Equals percent change	1.1

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