

REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

CONSUMER PRICE INDEX (CPI) October 2012

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 2012 the All Urban general index is established at 118.4 this stands for an increase of 0.33% over the previous month which was 118.0. In annual change it increased by 5.36% compared to 5.63% in the previous month. This gives a general inflation rate by an annual average of 6.9% during the month of October 2012.

The underlying inflation rate (excluding fresh food and energy) is increased by 0.41% if compared to the previous month and increased by 2.54% on annual change. The annual average underlying inflation rate is + 4.8% in October 2012 down from the previous month 5.3%.

All Rural Index:

In October 2012 the All Rural general index is established at 125.3 this stands for an increase of 1.73% over the previous month which was 123.2. In annual change it increased by 15.01% compared to 14.04% in the previous month.

All Rwanda Index:

In October 2012 the All Rwanda general index is established at 123.0 this stands for an increase of 1.27% over the previous month which was 121.4. In annual change it increased by 11.68% compared to 11.13% in the previous month.

Feb 2009=100	Oct. 11	Nov. 11	Dec. 11	Jan. 12	Feb. 12	Mar. 12	April 12	May 12	June 12	July 12	Aug. 12	Sept. 12	Oct. 12
All Urban General Index	112.4	112.8	112.6	112.2	113.3	115.8	116.1	117.8	116.9	117.0	117.8	118.0	118.4
Annual change	7.76	7.39	8.34	7.81	7.85	8.18	6.95	8.32	5.92	5.57	5.81	5.63	5.36
All Rural General Index	108.9	109.7	108.4	107.2	109.2	114.2	116.8	118.7	118.2	119.6	121.3	123.2	125.3
Annual change	3.27	5.11	6.85	8.53	10.91	14.22	11.50	12.09	11.17	12.26	13.63	14.04	15.01
All Rwanda General Index	110.1	110.7	109.8	108.9	110.6	114.7	116.5	118.3	117.7	118.7	120.1	121.4	123.0
Annual change	4.77	5.88	7.35	8.28	9.83	12.08	9.92	10.79	9.34	9.93	10.91	11.13	11.68

ALL URBAN CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Oct. 11	July 12	Aug. 12	Sept. 12	Oct. 12	1 month	3 months	12 months
	GENERAL INDEX	10000	112.4	117.0	117.8	118.0	118.4	0.33	1.21	5.36
01	Food and non-alcoholic beverages	3538	114.4	125.1	127.6	128.2	128.2	0.05	2.50	12.10
0111	❖ Bread and cereals	733	107.7	115.6	115.7	115.5	116.3	0.71	0.63	7.96
0112	❖ Meat	274	108.5	114.8	115.2	114.9	115.3	0.35	0.43	6.35
0113	❖ Fish	83	134.4	139.7	135.1	134.8	136.4	1.14	-2.4	1.46
0117	❖ Vegetables	1200	117.5	138.2	145.4	146.0	144.2	-1.27	4.35	22.71
012	❖ Non-alcoholic beverages	160	103.5	111.9	114.2	114.5	113.8	-0.65	1.71	9.97
02	Alcoholic beverages and tobacco	240	115.1	119.9	119.9	119.8	120.0	0.18	0.14	4.28
03	Clothing and footwear	377	110.6	112.3	112.5	112.6	113.3	0.66	0.94	2.47
04	Housing, water, electricity, gas and other fuels	2204	108.8	111.0	110.8	110.6	111.5	0.81	0.46	2.55
05	Furnishing, household equipment and routine household maintenance	457	102.2	104.0	106.0	106.4	106.2	-0.23	2.07	3.86
06	Health	163	102.6	103.8	103.8	104.0	103.9	-0.05	0.15	1.33
07	Transport	1189	126.8	126.0	125.0	124.9	126.2	1.04	0.17	-0.46
08	Communication	288	93.3	92.8	92.7	92.4	91.8	-0.67	-1.17	-1.64
09	Recreation and culture	256	106.5	103.5	104.2	104.5	104.5	-0.05	0.94	-1.90
10	Education	331	128.6	129.9	129.9	129.9	129.9	0.00	0.00	1.00
11	Restaurants and hotels	558	104.2	105.1	104.8	105.6	105.5	-0.03	0.36	1.27
12	Miscellaneous goods and services	400	104.8	106.5	106.2	106.7	106.9	0.24	0.43	2.01

In October 2012 the All Urban general index is established at 118.4 this stands for an increase of 0.33% over the previous month which was 118.0. In annual change it increased by 5.36% compared to 5.63% in the previous month. This gives a general inflation rate by an annual average of 6.9% during the month of October 2012.

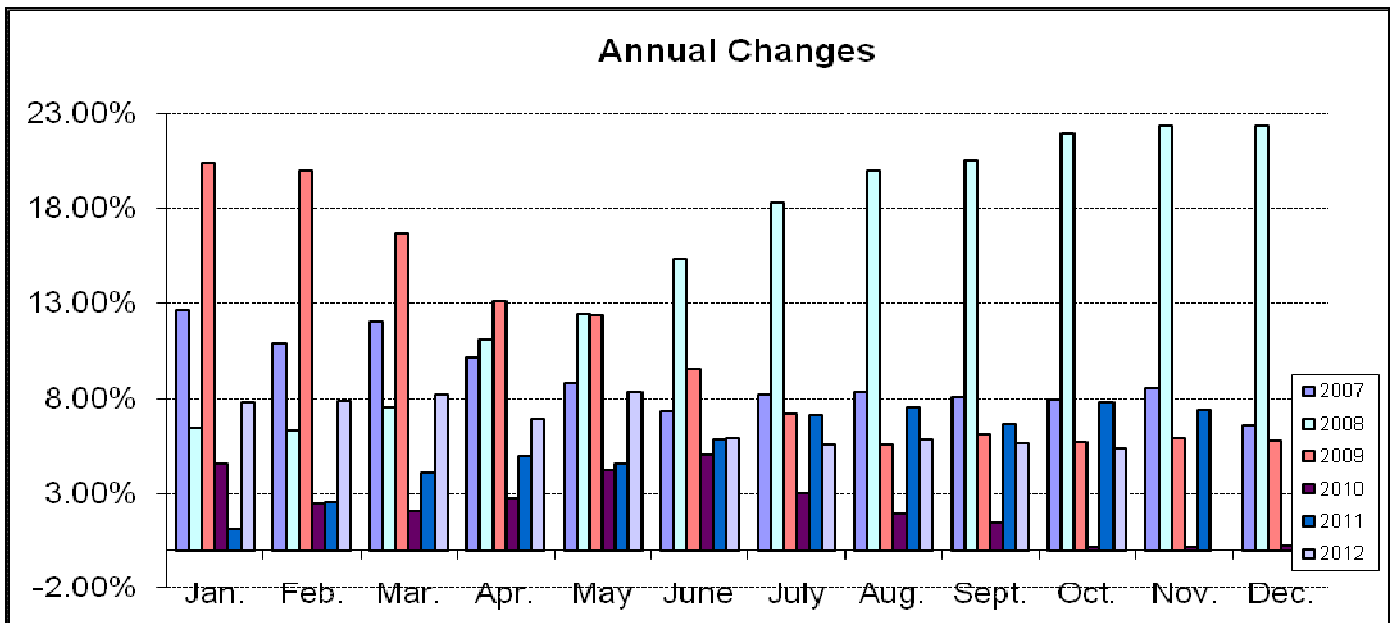
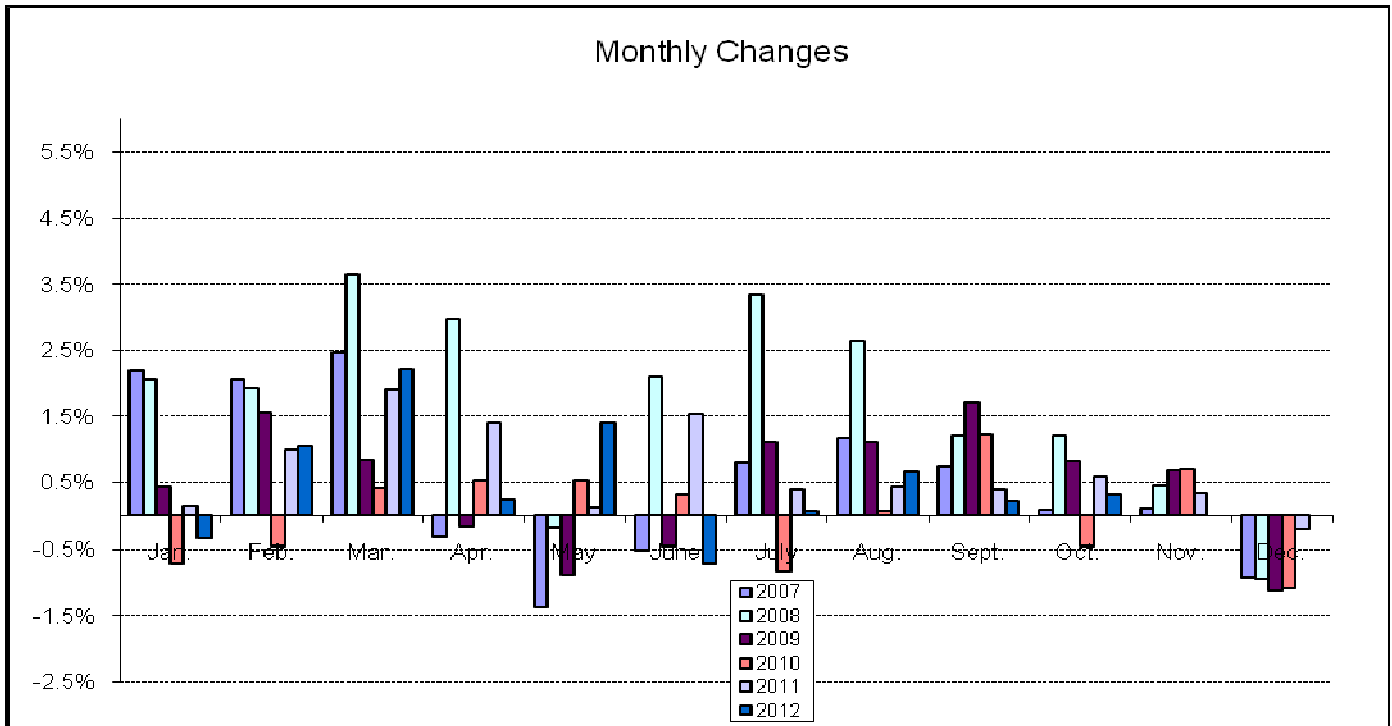
The underlying inflation rate (excluding fresh food and energy) is increased by 0.41% if compared to the previous month and increased by 2.54% on annual change. The annual average underlying inflation rate is + 4.8% in October 2012 down from the previous month 5.3%.

The increase in the consumer price index of 0.33 is attributable primarily to the increase in Housing, water, electricity, gas and other fuels (0.81) and Transport (1.04).

In annual change, the increase in the general index of 5.36 is mainly due to the rising prices of Food and non alcoholic beverages(12.10) and Housing, water, electricity, gas and other fuels (2.55) which contributed +4.36 and +0.54 respectively.

The 'local goods' increased by 6.03 on annual change with a monthly change of 0.14, while prices of the imported products increased by 2.71 on annual change with a monthly change of 1.10.

The prices of the fresh products had a positive annual change of 19.36 between October 2012 and October 2011.

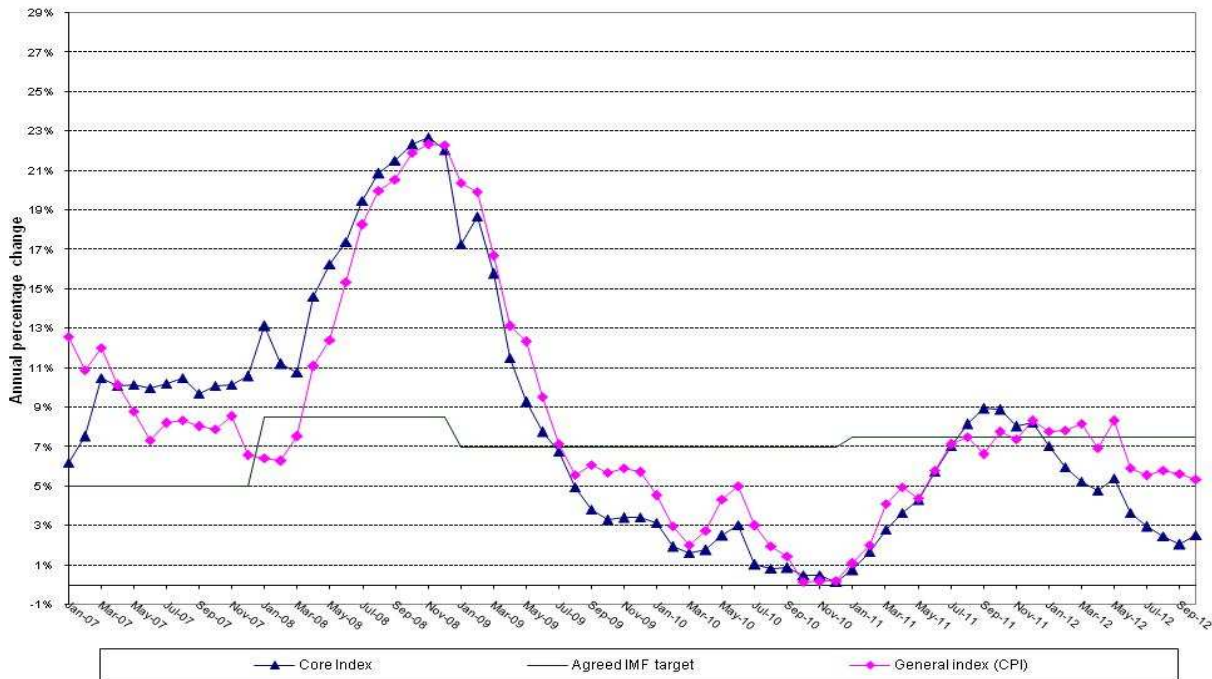


Evolution (over 12 months) of the rate of inflation (%) ⁽¹⁾

MONTH	Oct. 11	Nov. 11	Dec. 11	Jan. 12	Feb. 12	Mar. 12	April 12	May 12	June 12	July 12	Aug. 12	Sept. 12	Oct. 12
General index	4.4	5.0	5.6	6.2	6.6	7.0	7.2	7.5	7.5	7.3	7.2	7.1	6.9
Core / Underlying	4.4	4.9	5.7	6.2	6.6	6.8	6.9	6.9	6.8	6.4	5.9	5.3	4.8

(1) In October 2012, the average index of the last twelve months November 2011 to October 2012 increased by 6.9 (general index) And 4.8 (Core index) compared to the average index of the previous twelve months (November 2010 to October 2011).

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. 11	July 12	August 12	Sept. 12	Oct. 12	1 month	3 months	12 months
GENERAL INDEX	10,000	112.4	117.0	117.8	118.0	118.4	0.33	1.21	5.36
Local Goods Index	7,947	112.9	118.2	119.3	119.5	119.7	0.14	1.31	6.03
Food and non-alcoholic beverages	2,982	115.5	127.1	130.1	130.7	130.5	-0.15	2.67	12.98
Housing, water, electricity, gas and other fuels	2,134	108.9	111.1	110.9	110.7	111.6	0.85	0.50	2.55
Transport	759	127.3	125.6	125.5	125.5	125.7	0.15	0.11	-1.23
Imported Goods Index	2,053	110.5	112.6	111.8	112.3	113.5	1.10	0.84	2.71
Food and non-alcoholic beverages	555	108.5	114.5	113.8	114.7	116.2	1.27	1.46	7.06
Furnishing, household equipment	196	97.2	97.7	97.7	98.5	98.9	0.42	1.17	1.78
Transport	430	125.9	126.7	124.1	123.8	127.1	2.62	0.27	0.92
Fresh Products index⁽¹⁾	1,403	122.6	142.4	147.5	148.3	146.3	-1.35	2.77	19.36
Energy index	767	117.6	122.9	120.6	120.1	124.1	3.29	0.96	5.54
General Index excluding fresh Products and energy⁽²⁾	7,829	110.1	111.9	112.2	112.4	112.9	0.41	0.89	2.54

(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. 11	July 12	Aug. 12	Sept. 12	Oct. 12	1 month	3 months	12 months
	GENERAL INDEX	10000	108.9	119.6	121.3	123.2	125.3	1.73	4.78	15.01
01	Food and non-alcoholic beverages	6387	110.4	125.8	128.3	131.3	134.7	2.65	7.12	22.04
0111	❖ Bread and cereals	1203	98.5	111.9	113.0	111.9	112.8	0.86	0.86	14.61
0112	❖ Meat	169	105.4	111.2	110.4	118.8	116.6	-1.85	4.87	10.60
0113	❖ Fish	72	124.6	144.4	136.0	134.4	132.0	-1.76	-8.56	5.96
0117	❖ Vegetables	3213	126.3	141.1	146.2	152.8	157.3	2.98	11.50	24.51
012	❖ Non-alcoholic beverages	196	94.1	111.3	108.7	105.4	101.8	-3.36	-8.51	8.17
02	Alcoholic beverages and tobacco	424	98.0	109.3	110.6	108.5	107.7	-0.69	-1.43	9.93
03	Clothing and footwear	348	114.6	120.6	121.0	120.1	121.8	1.44	0.97	6.27
04	Housing, water, electricity, gas and other fuels	1274	104.3	105.5	104.4	105.2	104.7	-0.49	-0.83	0.39
05	Furnishing, household equipment and routine household maintenance	277	108.6	103.7	110.2	111.0	108.6	-2.16	4.73	0.02
06	Health	112	102.8	104.0	104.5	104.4	104.7	0.29	0.70	1.80
07	Transport	426	108.0	106.8	106.7	106.8	107.8	0.86	0.86	-0.26
08	Communication	51	98.6	93.3	93.1	92.5	92.4	-0.19	-1.05	-6.31
09	Recreation and culture	112	112.2	105.9	106.0	105.4	105.1	-0.24	-0.76	-6.26
10	Education	137	113.6	121.1	121.1	121.1	121.1	0.00	0.00	6.62
11	Restaurants and hotels	222	111.4	115.3	115.3	115.4	115.2	-0.16	-0.09	3.41
12	Miscellaneous goods and services	230	109.7	108.6	108.2	108.2	107.3	-0.88	-1.23	-2.22

ALL RWANDA CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Oct. 11	July 12	Aug. 12	Sept. 12	Oct. 12	1 month	3 months	12 months
	GENERAL INDEX	10000	110.1	118.7	120.1	121.4	123.0	1.27	3.59	11.68
01	Food and non-alcoholic beverages	5422	111.3	125.6	128.2	130.6	133.3	2.08	6.10	19.78
0111	❖ Bread and cereals	1044	100.7	112.8	113.7	112.7	113.7	0.83	0.81	12.92
0112	❖ Meat	205	106.8	112.9	112.6	117.1	116.0	-0.87	2.82	8.64
0113	❖ Fish	76	128.2	142.6	135.7	134.6	133.6	-0.68	-6.31	4.21
0117	❖ Vegetables	2531	124.9	140.6	146.1	151.7	155.2	2.32	10.37	24.24
012	❖ Non-alcoholic beverages	184	96.9	111.5	110.3	108.1	105.4	-2.51	-5.49	8.74
02	Alcoholic beverages and tobacco	362	101.8	111.7	112.7	111.0	110.5	-0.47	-1.05	8.50
03	Clothing and footwear	358	113.2	117.6	117.9	117.4	118.8	1.18	0.96	4.94
04	Housing, water, electricity, gas and other fuels	1589	106.4	108.1	107.4	107.8	107.9	0.14	-0.21	1.43
05	Furnishing, household equipment and routine household maintenance	338	105.0	103.0	107.4	108.1	106.7	-1.31	3.54	1.55
06	Health	130	102.7	103.9	104.2	104.2	104.4	0.15	0.46	1.60
07	Transport	685	119.1	118.1	117.5	117.5	118.6	0.97	0.42	-0.38
08	Communication	131	94.6	93.0	92.8	92.4	91.9	-0.55	-1.14	-2.89
09	Recreation and culture	161	108.8	104.8	105.1	105.0	104.9	-0.12	0.14	-3.56
10	Education	203	118.9	126.0	126.0	126.0	126.0	0.00	0.00	5.92
11	Restaurants and hotels	336	107.3	109.6	109.3	109.8	109.7	-0.09	0.15	2.24
12	Miscellaneous goods and services	288	107.4	107.6	107.3	107.5	107.1	-0.36	-0.45	-0.28

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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