

REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

CONSUMER PRICE INDEX (CPI) November 2010

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 15th**

All Urban Index:

In November 2010 the All Urban general index is established at 105.0 this stands for an increase of 0.70% over the previous month which was 104.3. In annual change it increased by 0.18% compared to 0.17% in the previous month. This gives a general inflation rate by an annual average of 2.8% during the month of November 2010.

The underlying inflation rate (excluding fresh food and energy) is increased by 0.68% if compared to the previous month and increased 0.49% on annual change. The annual average underlying inflation rate is + 1.8% in November 2010 down from the previous month (+2.0%).

All Rural Index:

In November 2010 the All Rural general index is established at 104.4 this stands for a decrease of 1.06% over the previous month which was 105.5. In annual change it decreased by (-7.97%) compared to (-3.45%) in the previous month.

All Rwanda Index:

In November 2010 the All Rwanda general index is established at 104.6 this stands for a decrease of 0.47% over the previous month which was 105.1. In annual change it decreased by (-5.38%) compared to (-2.28%) in the previous month.

Feb 2009=100	Nov. 09	Dec. 09	Jan. 10	Feb. 10	Mar. 10	April 10	May 10	June 10	July 10	Aug. 10	Sept. 10	Oct. 10	Nov. 10
All Urban General Index	104.8	103.7	102.9	102.5	102.9	103.4	104.0	104.3	103.5	103.5	104.8	104.3	105.0
Annual change	5.93	5.74	4.54	2.46	2.05	2.74	4.21	5.03	3.01	1.96	1.47	0.17	0.18
All Rural General Index	113.4	112.4	108.3	104.4	105.4	102.7	102.4	101.4	99.5	101.1	104.9	105.5	104.4
Annual change				4.42	1.86	-0.34	-1.52	0.96	-4.78	-3.04	-1.34	-3.45	-7.97
All Rwanda General Index	110.5	109.4	106.4	103.7	104.5	102.9	102.9	102.1	100.8	101.9	104.9	105.1	104.6
Annual change				3.72	1.92	0.64	0.32	1.98	-2.22	-1.39	-0.42	-2.28	-5.38

ALL URBAN CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Nov. 09	Aug. 10	Sept. 10	Oct. 10	Nov. 10	1 month	3 months	12 months
	GENERAL INDEX	10000	104.8	103.5	104.8	104.3	105.0	0.70	1.46	0.18
01	Food and non-alcoholic beverages	3538	109.1	102.7	106.1	104.4	105.8	1.41	3.04	-3.00
0111	❖ Bread and cereals	733	98.6	87.5	87.4	85.8	89.0	3.74	1.77	-9.73
0112	❖ Meat	274	95.3	95.5	96.4	99.0	99.2	0.19	3.84	4.09
0113	❖ Fish	83	102.3	111.6	113.5	112.7	114.9	1.93	2.97	12.37
0117	❖ Vegetables	1200	126.5	117.8	127.2	120.3	118.8	-1.26	0.86	-6.04
012	❖ Non-alcoholic beverages	160	98.5	99.7	97.8	97.0	98.9	1.91	-0.79	0.40
02	Alcoholic beverages and tobacco	240	106.3	111.8	111.3	111.9	112.8	0.81	0.89	6.13
03	Clothing and footwear	377	99.6	101.3	101.3	101.7	102.1	0.40	0.77	2.51
04	Housing, water, electricity, gas and other fuels	2204	101.6	102.3	103.1	103.5	103.0	-0.49	0.65	1.39
05	Furnishing, household equipment and routine household maintenance	457	99.3	97.4	97.1	96.4	97.2	0.87	-0.23	-2.09
06	Health	163	101.5	100.5	100.4	100.6	100.4	-0.19	-0.09	-1.08
07	Transport	1189	111.0	112.6	113.0	113.3	115.2	1.68	2.31	3.85
08	Communication	288	99.0	99.9	100.5	99.2	97.4	-1.75	-2.51	-1.64
09	Recreation and culture	256	99.8	100.4	99.9	101.4	101.7	0.32	1.34	1.93
10	Education	331	100.0	106.5	106.5	106.5	106.5	0.00	0.01	6.51
11	Restaurants and hotels	558	100.3	103.5	102.1	102.1	101.8	-0.26	-1.65	1.46
12	Miscellaneous goods and services	400	96.3	97.7	97.1	96.8	98.6	1.90	0.92	2.46

In November 2010 the All Urban general index is established at 105.0 this stands for an increase of 0.70% over the previous month which was 104.3. In annual change it increased by 0.18% compared to 0.17% in the previous month. This gives a general inflation rate by an annual average of 2.8% during the month of November 2010.

The underlying inflation rate (excluding fresh food and energy) is increased by 0.68% if compared to the previous month and increased 0.49% on annual change. The annual average underlying inflation rate is + 1.8% in November 2010 down from the previous month (+2.0%).

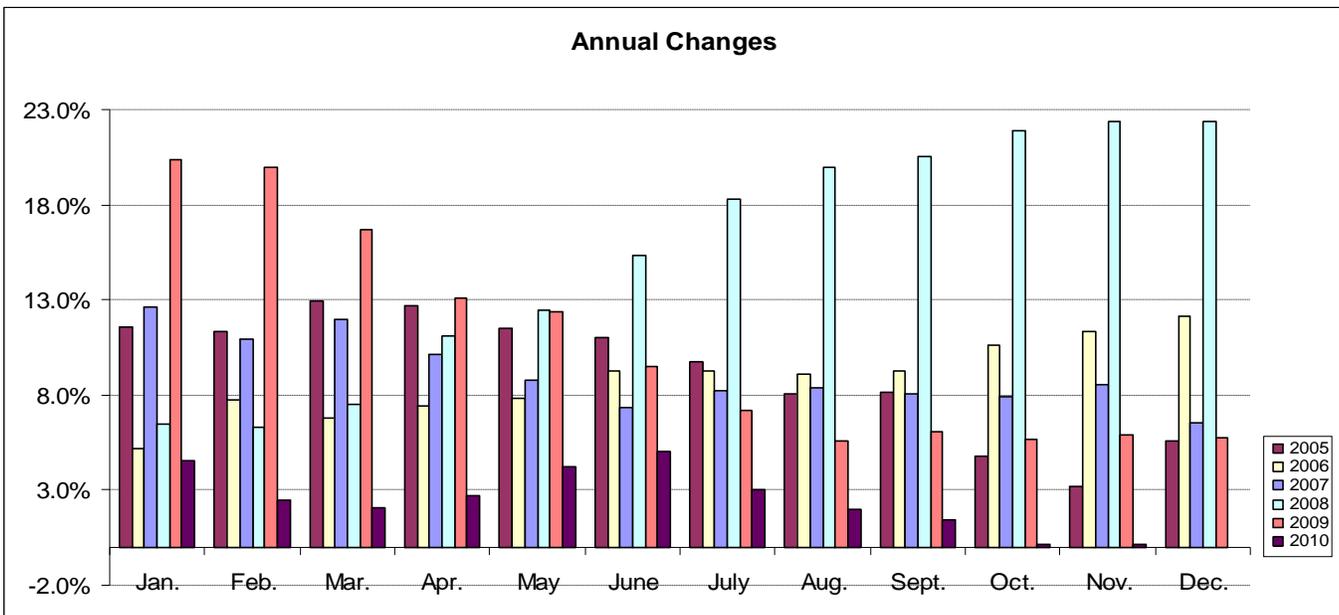
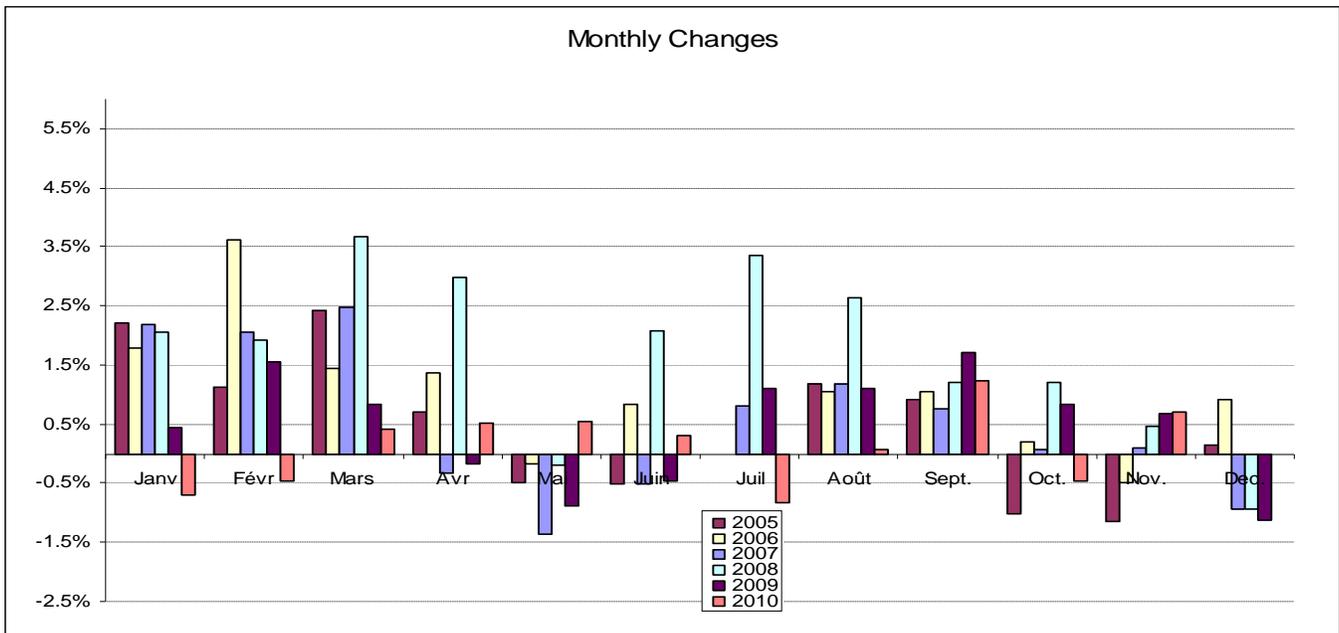
The increase in the consumer prices index of 0.70% is attributable primarily to the increase in Food and non-alcoholic beverages (1.41%) and Transport (1.68%).

It is noted that the increase of 1.41% in prices of Food and non-alcoholic beverages is primary attributable to the increase of 3.74 of Bread and cereals.

In annual change, the increase in the general index of 0.18% is mainly due to the rising prices of Housing, water, electricity, gas and other fuels (1.39%), Transport (3.85%) and the Education (6.51%) which contributed +0.30%, +0.49% and +0.21%. respectively.

The 'local goods' decreased by 0.24% on annual change with a monthly variation of 0.70%, while prices of the imported products increased by 1.94% on annual change with a monthly change of 0.68%.

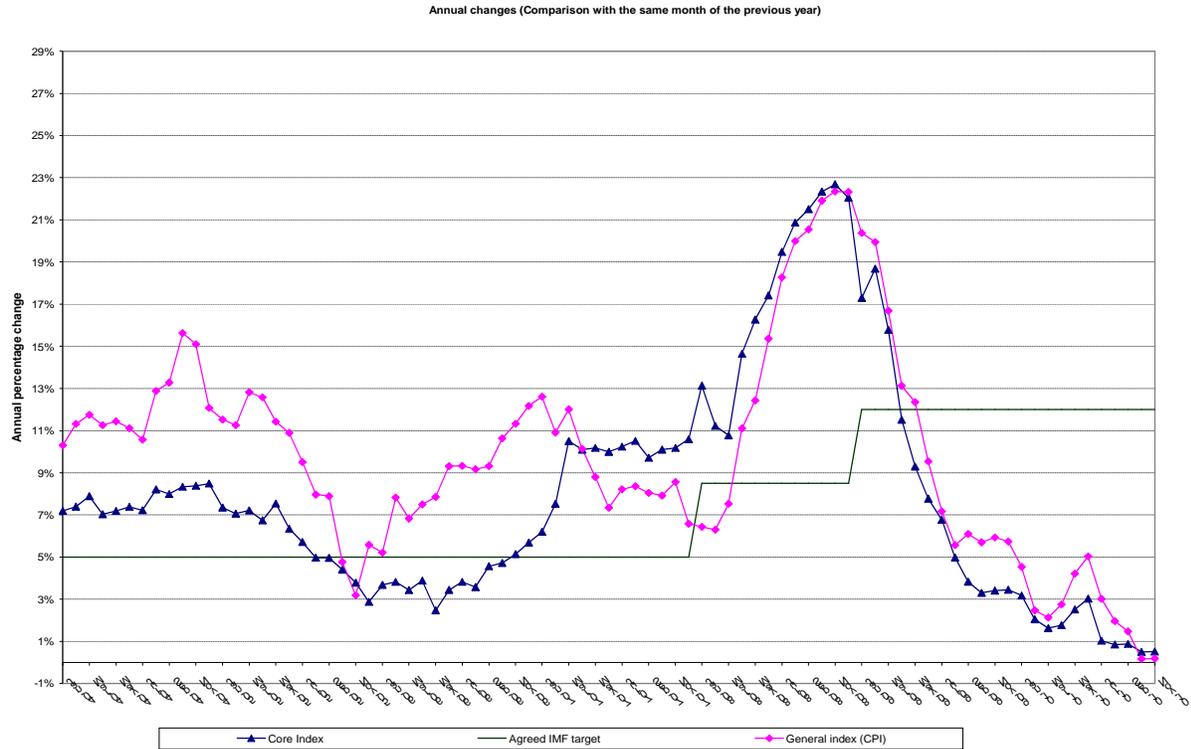
The prices of the fresh products had a negative annual change of 2.72% between November 2010 and November 2009.



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

MONTH	Nov. 09	Dec. 09	Jan. 10	Feb. 10	March 10	April 10	May 10	June 10	July 10	Aug. 10	Sept. 10	Oct. 10	Nov. 10
General index	11.6	10.3	9.1	7.7	6.5	5.7	5.1	4.8	4.4	4.1	3.7	3.3	2.8
Core / Underlying	10.0	8.5	7.4	6.1	5.0	4.2	3.7	3.3	2.8	2.5	2.2	2.0	1.8

(1) In November 2010 the average index of the last twelve months December 2009 to November 2010 increased by 2.8% (general index) And 1.8 % (Core index) compared to the average index of the previous twelve months (December 2008 to November 2009).



Other All Urban Indices

February 2009=100	Weights	Indices for the following months:				Changes in % over:			
		Nov. 09	Aug. 10	Sept. 10	Oct. 10	Nov. 10	1 month	3 months	12 months
GENERAL INDEX	10,000	104.8	103.5	104.8	104.3	105.0	0.70	1.46	0.18
Local Goods Index	7,947	106.3	104.4	106.0	105.3	106.1	0.70	1.59	-0.24
Food and non-alcoholic beverages	2,982	112.1	104.7	108.6	106.6	108.4	1.62	3.54	-3.34
Housing, water, electricity, gas and other fuels	2,134	101.5	102.4	103.1	103.5	103.1	-0.43	0.66	1.52
Transport	759	112.8	112.5	112.5	112.5	114.5	1.80	1.83	1.51
Imported Goods Index	2,053	99.2	100.2	100.3	100.4	101.1	0.68	0.92	1.94
Food and non-alcoholic beverages	555	93.0	92.3	92.5	92.2	92.3	0.10	0.00	-0.80
Furnishing, household equipment	196	97.3	94.2	93.4	92.2	94.0	1.99	-0.19	-3.39
Transport	430	107.7	112.9	113.8	114.8	116.5	1.49	3.15	8.20
Fresh Products index⁽¹⁾	1,403	124.2	114.8	123.2	119.4	120.8	1.19	5.22	-2.72
Energy index	767	105.8	106.6	109.0	109.6	109.4	-0.18	2.61	3.45
General Index excluding fresh Products and energy⁽²⁾	7,829	101.3	101.2	101.1	101.1	101.8	0.68	0.57	0.49

(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		
			Nov. 09	Aug. 10	Sept. 10	Oct. 10	Nov. 10	1 month	3 months	12 months
	GENERAL INDEX	10000	113.4	101.1	104.9	105.5	104.4	-1.06	3.27	-7.97
01	Food and non-alcoholic beverages	6387	120.9	100.6	106.8	107.5	105.8	-1.58	5.22	-12.46
0111	❖ Bread and cereals	1203	98.8	77.5	80.6	80.6	83.0	3.00	7.20	-15.94
0112	❖ Meat	169	98.2	97.5	96.4	99.2	98.8	-0.41	1.29	0.59
0113	❖ Fish	72	99.9	123.3	126.3	123.1	119.7	-2.78	-2.93	19.77
0117	❖ Vegetables	3213	141.1	118.7	129.5	129.6	124.4	-3.98	4.86	-11.80
012	❖ Non-alcoholic beverages	196	92.5	91.9	91.2	86.8	92.9	6.94	1.08	0.42
02	Alcoholic beverages and tobacco	424	94.9	101.1	97.8	99.9	99.9	-0.02	-1.21	5.33
03	Clothing and footwear	348	101.0	105.4	105.7	105.4	106.0	0.55	0.59	4.99
04	Housing, water, electricity, gas and other fuels	1274	99.2	100.9	100.5	100.6	99.8	-0.76	-1.08	0.63
05	Furnishing, household equipment and routine household maintenance	277	103.9	105.8	105.7	105.9	106.7	0.73	0.81	2.69
06	Health	112	104.5	101.4	100.2	100.3	99.7	-0.64	-1.64	-4.60
07	Transport	426	103.9	101.0	100.9	102.1	101.9	-0.21	0.91	-1.86
08	Communication	51	95.3	94.8	94.8	94.5	94.6	0.11	-0.28	-0.82
09	Recreation and culture	112	103.8	102.0	100.9	102.9	103.7	0.76	1.61	-0.16
10	Education	137	100.1	108.6	108.6	108.6	108.6	0.00	0.00	8.48
11	Restaurants and hotels	222	100.8	106.0	105.9	106.3	106.2	-0.02	0.18	5.38
12	Miscellaneous goods and services	230	100.6	95.5	97.5	96.2	97.7	1.55	2.33	-2.85

ALL RWANDA CONSUMER PRICE INDEX:

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Nov. 09	Aug. 10	Sept. 10	Oct. 10	Nov. 10	1 month	3 months	12 months
	GENERAL INDEX	10000	110.5	101.9	104.9	105.1	104.6	-0.47	2.65	-5.38
01	Food and non-alcoholic beverages	5422	118.3	101.0	106.7	106.8	105.8	-0.94	4.73	-10.58
0111	❖ Bread and cereals	1044	99.1	79.9	82.2	81.9	84.5	3.19	5.78	-14.77
0112	❖ Meat	205	96.9	96.6	96.4	99.1	99.0	-0.14	2.43	2.14
0113	❖ Fish	76	100.4	118.9	121.5	119.2	117.9	-1.13	-0.87	17.46
0117	❖ Vegetables	2531	138.7	118.5	129.2	128.1	123.5	-3.57	4.22	-10.95
012	❖ Non-alcoholic beverages	184	94.2	94.2	93.2	89.8	94.6	5.34	0.50	0.40
02	Alcoholic beverages and tobacco	362	97.5	103.5	100.8	102.6	102.8	0.18	-0.70	5.48
03	Clothing and footwear	358	100.5	103.9	104.1	104.1	104.6	0.50	0.66	4.07
04	Housing, water, electricity, gas and other fuels	1589	100.3	101.6	101.7	102.0	101.3	-0.63	-0.26	1.05
05	Furnishing, household equipment and routine household maintenance	338	101.2	101.3	101.1	100.9	101.7	0.78	0.43	0.49
06	Health	130	103.0	101.0	100.3	100.5	100.0	-0.45	-0.98	-2.94
07	Transport	685	108.1	107.9	108.0	108.7	109.8	0.95	1.77	1.58
08	Communication	131	98.1	98.6	99.0	98.0	96.7	-1.29	-1.96	-1.43
09	Recreation and culture	161	101.7	101.1	100.4	102.1	102.5	0.44	1.37	0.86
10	Education	203	100.0	107.4	107.4	107.4	107.4	0.00	0.00	7.39
11	Restaurants and hotels	336	100.6	104.6	103.8	103.9	103.7	-0.15	-0.84	3.08
12	Miscellaneous goods and services	288	98.4	96.5	97.3	96.5	98.1	1.72	1.65	-0.31

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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