

## REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

### CONSUMER PRICE INDEX (CPI) December 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 December 2012 the All Urban general index is established at 116.9 this stands for a decrease of 0.84% over the previous month which was 117.9. In annual change it increased by 3.88% compared to 4.55% in the previous month. This gives a general inflation rate by an annual average of 6.3% during the month of December 2012.

The underlying inflation rate (excluding fresh food and energy) is decreased by 0.08% if compared to the previous month and increased by 2.47% on annual change. The annual average underlying inflation rate is + 3.9% in December 2012 down from the previous month 4.4%.

#### All Rural Index:

In December 2012 the All Rural general index is established at 121.4 this stands for a decrease of 2.11% over the previous month which was 124.0. In annual change it increased by 11.96% compared to 13.04% in the previous month.

#### All Rwanda Index:

In December 2012 the All Rwanda general index is established at 119.9 this stands for a decrease of 1.70% over the previous month which was 121.9. In annual change it increased by 9.16% compared to 10.11% in the previous month.

Feb 2009=100	Dec. 11	Jan. 12	Feb. 12	Mar. 12	April 12	May 12	June 12	July 12	Aug. 12	Sept. 12	Oct. 12	Nov. 12	Dec. 12
<b>All Urban General Index</b>	112.6	112.2	113.3	115.8	116.1	117.8	116.9	117.0	117.8	118.0	118.4	117.9	116.9
<b>Annual change</b>	8.34	7.81	7.85	8.18	6.95	8.32	5.92	5.57	5.81	5.63	5.36	4.55	3.88
<b>All Rural General Index</b>	108.4	107.2	109.2	114.2	116.8	118.7	118.2	119.6	121.3	123.2	125.3	124.0	121.4
<b>Annual change</b>	6.85	8.53	10.91	14.22	11.50	12.09	11.17	12.26	13.63	14.04	15.01	13.04	11.96
<b>All Rwanda General Index</b>	109.8	108.9	110.6	114.7	116.5	118.3	117.7	118.7	120.1	121.4	123.0	121.9	119.9
<b>Annual change</b>	7.35	8.28	9.83	12.08	9.92	10.79	9.34	9.93	10.91	11.13	11.68	10.11	9.16

**ALL URBAN CONSUMER PRICE INDEX**

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Dec. 11	Sept. 12	Oct. 12	Nov. 12	Dec. 12	1 month	3 months	12 months
	<b>GENERAL INDEX</b>	<b>10000</b>	112.6	118.0	118.4	117.9	116.9	-0.84	-0.94	3.88
<b>01</b>	<b>Food and non-alcoholic beverages</b>	<b>3538</b>	114.9	128.2	128.2	126.9	124.0	-2.22	-3.23	7.94
0111	❖ Bread and cereals	733	108.7	115.5	116.3	117.6	118.7	0.92	2.75	9.21
0112	❖ Meat	274	110.5	114.9	115.3	115.7	116.4	0.59	1.24	5.28
0113	❖ Fish	83	139.7	134.8	136.4	133.3	132.0	-0.93	-2.1	-5.47
0117	❖ Vegetables	1200	117.2	146.0	144.2	138.4	128.2	-7.37	-12.23	9.37
<b>012</b>	<b>❖ Non-alcoholic beverages</b>	<b>160</b>	102.0	114.5	113.8	113.9	113.1	-0.67	-1.22	10.95
<b>02</b>	<b>Alcoholic beverages and tobacco</b>	<b>240</b>	116.0	119.8	120.0	120.1	120.1	0.06	0.27	3.60
<b>03</b>	<b>Clothing and footwear</b>	<b>377</b>	111.6	112.6	113.3	113.2	113.7	0.44	0.97	1.85
<b>04</b>	<b>Housing, water, electricity, gas and other fuels</b>	<b>2204</b>	108.8	110.6	111.5	111.3	110.8	-0.47	0.13	1.81
<b>05</b>	<b>Furnishing, household equipment and routine household maintenance</b>	<b>457</b>	101.4	106.4	106.2	106.3	107.0	0.69	0.56	5.58
<b>06</b>	<b>Health</b>	<b>163</b>	101.9	104.0	103.9	103.6	103.3	-0.34	-0.66	1.35
<b>07</b>	<b>Transport</b>	<b>1189</b>	126.6	124.9	126.2	126.7	127.2	0.40	1.87	0.52
<b>08</b>	<b>Communication</b>	<b>288</b>	91.6	92.4	91.8	91.7	91.5	-0.21	-0.90	-0.03
<b>09</b>	<b>Recreation and culture</b>	<b>256</b>	106.1	104.5	104.5	104.9	105.0	0.06	0.45	-1.09
<b>10</b>	<b>Education</b>	<b>331</b>	128.6	129.9	129.9	129.9	129.9	0.00	0.00	1.00
<b>11</b>	<b>Restaurants and hotels</b>	<b>558</b>	105.2	105.6	105.5	104.8	104.8	-0.02	-0.71	-0.41
<b>12</b>	<b>Miscellaneous goods and services</b>	<b>400</b>	104.2	106.7	106.9	107.0	107.5	0.39	0.75	3.17

In December 2012 the All Urban general index is established at 116.9 this stands for a decrease of 0.84% over the previous month which was 117.9. In annual change it increased by 3.88% compared to 4.55% in the previous month. This gives a general inflation rate by an annual average of 6.3% during the month of December 2012.

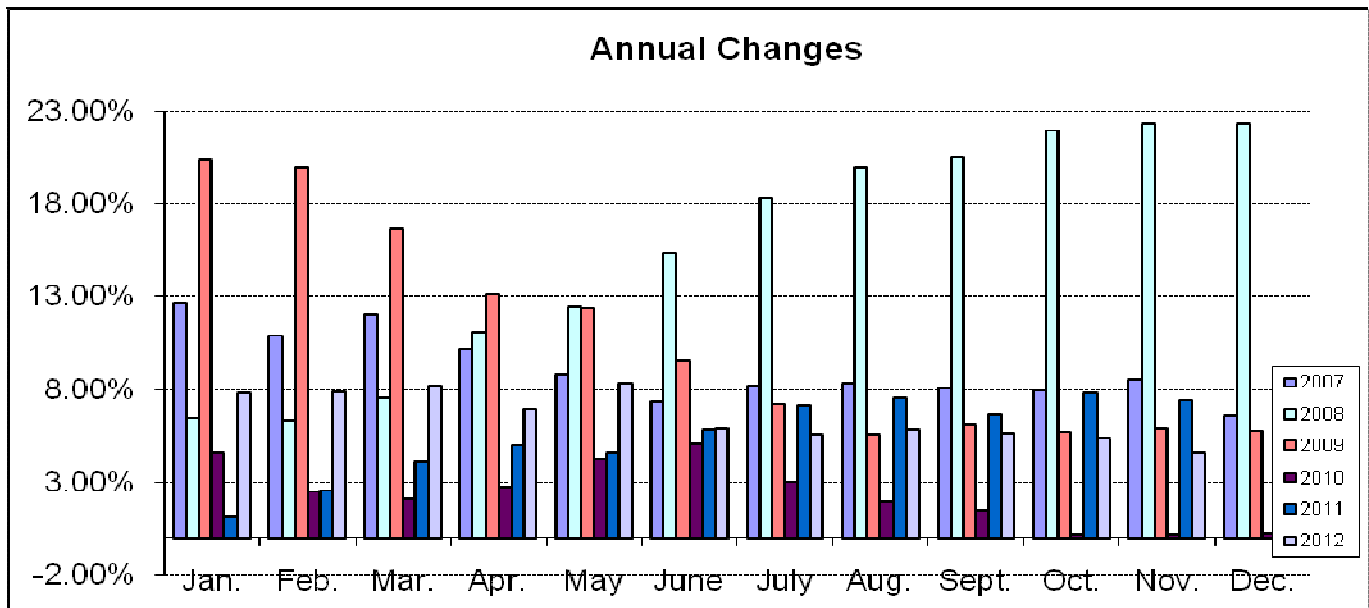
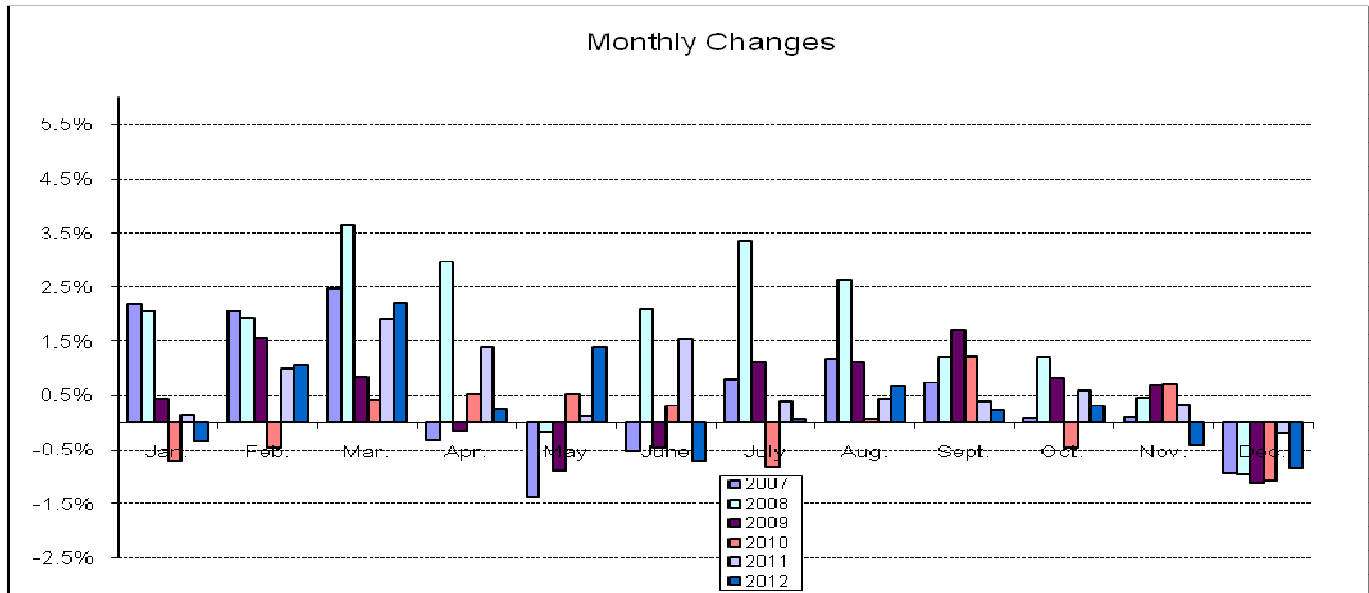
The underlying inflation rate (excluding fresh food and energy) is decreased by 0.08% if compared to the previous month and increased by 2.47% on annual change. The annual average underlying inflation rate is + 3.9% in December 2012 down from the previous month 4.4%.

The decrease in the consumer price index of 0.84 is attributable primarily to the decrease in Food and non-alcoholic beverages (2.22) and Housing, water, electricity, gas and other fuels (0.47).

In annual change, the increase in the general index of 3.88 is mainly due to the rising prices of Food and non alcoholic beverages(7.94), Housing, water, electricity, gas and other fuels (1.81) and Furnishing, household equipment and routine household maintenance (5.58) which contributed +2.87, +0.39 and + 0.23 respectively.

The 'local goods' increased by 4.06 on annual change with a monthly change of -1.14, while prices of the imported products increased by 3.18 on annual change with a monthly change of 0.39.

The prices of the fresh products had a positive annual change of 10.01 between December 2012 and December 2011.

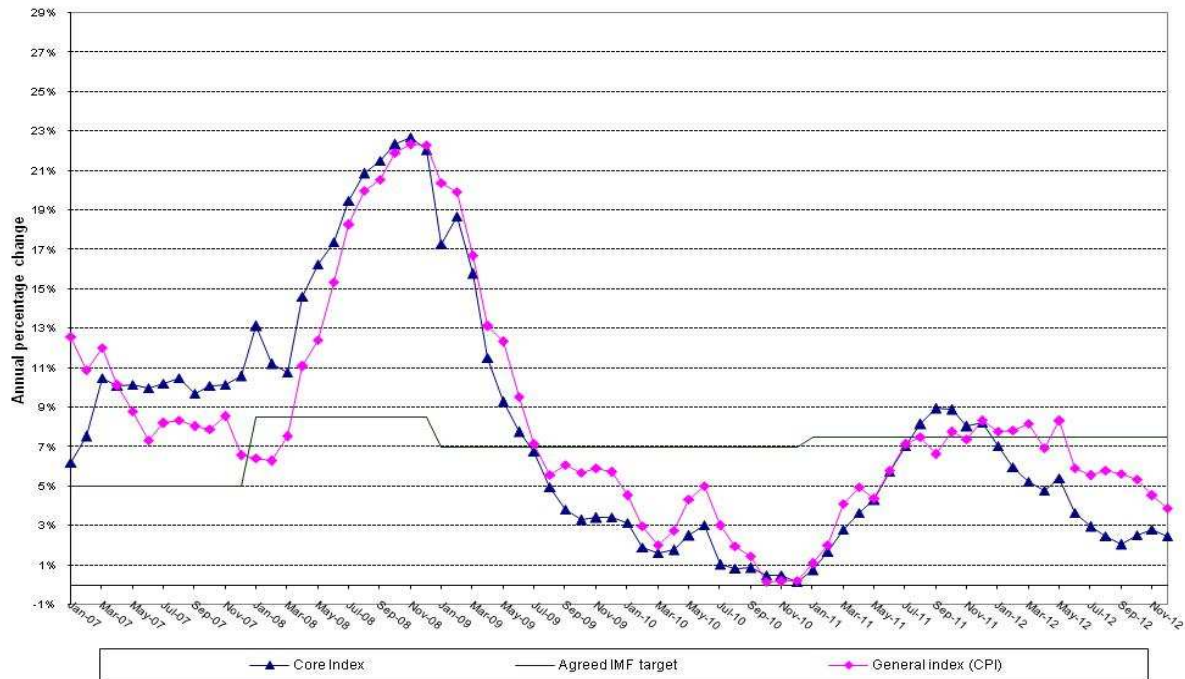


**Evolution (over 12 months) of the rate of inflation (%)<sup>(1)</sup>**

MONTH	Dec. 11	Jan. 12	Feb. 12	Mar. 12	April 12	May 12	June 12	July 12	Aug. 12	Sept. 12	Oct. 12	Nov. 12	Dec. 12
General index	5.6	6.2	6.6	7.0	7.2	7.5	7.5	7.3	7.2	7.1	6.9	6.7	6.3
Core / Underlying	5.7	6.2	6.6	6.8	6.9	6.9	6.8	6.4	5.9	5.3	4.8	4.4	3.9

(1) In December 2012, the average index of the last twelve months January 2012 to December 2012 increased by 6.3 (general index) And 3.9 (Core index) compared to the average index of the previous twelve months (January 2011 to December 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:		
		Dec. 11	Sept. 12	Oct. 12	Nov. 12	Dec. 12	1 month	3 months	12 months
<b>GENERAL INDEX</b>	<b>10,000</b>	112.6	118.0	118.4	117.9	116.9	-0.84	-0.94	3.88
<b>Local Goods Index</b>	<b>7,947</b>	113.2	119.5	119.7	119.1	117.7	-1.14	-1.50	4.06
Food and non-alcoholic beverages	2,982	116.1	130.7	130.5	129.2	125.9	-2.53	-3.68	8.41
Housing, water, electricity, gas and other fuels	2,134	109.0	110.7	111.6	111.4	110.9	-0.48	0.15	1.75
Transport	759	127.3	125.5	125.7	125.9	125.8	-0.06	0.22	-1.21
<b>Imported Goods Index</b>	<b>2,053</b>	110.3	112.3	113.5	113.3	113.8	0.39	1.34	3.18
Food and non-alcoholic beverages	555	108.5	114.7	116.2	114.6	114.2	-0.35	-0.49	5.23
Furnishing, household equipment	196	97.0	98.5	98.9	98.8	100.2	1.37	1.73	3.30
Transport	430	125.2	123.8	127.1	128.3	129.8	1.20	4.81	3.63
<b>Fresh Products index<sup>(1)</sup></b>	<b>1,403</b>	123.2	148.3	146.3	141.8	135.6	-4.41	-8.62	10.01
<b>Energy index</b>	<b>767</b>	116.4	120.1	124.1	123.6	123.0	-0.48	2.41	5.68
<b>General Index excluding fresh Products and energy<sup>(2)</sup></b>	<b>7,829</b>	110.3	112.4	112.9	113.1	113.0	-0.08	0.52	2.47

(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		
			Dec. 11	Sept. 12	Oct. 12	Nov. 12	Dec. 12	1 month	3 months	12 months
	<b>GENERAL INDEX</b>	<b>10000</b>	108.4	123.2	125.3	124.0	121.4	-2.11	-1.45	11.96
<b>01</b>	<b>Food and non-alcoholic beverages</b>	<b>6387</b>	110.5	131.3	134.7	132.7	128.5	-3.17	-2.12	16.25
0111	❖ Bread and cereals	<b>1203</b>	100.0	111.9	112.8	115.9	117.3	1.20	4.85	17.35
0112	❖ Meat	<b>169</b>	108.2	118.8	116.6	115.6	120.1	3.90	1.06	10.97
0113	❖ Fish	<b>72</b>	142.8	134.4	132.0	128.9	127.4	-1.14	-5.20	-10.77
0117	❖ Vegetables	<b>3213</b>	122.7	152.8	157.3	151.7	142.1	-6.33	-7.01	15.74
<b>012</b>	<b>❖ Non-alcoholic beverages</b>	<b>196</b>	96.7	105.4	101.8	102.1	102.1	0.08	-3.08	5.61
<b>02</b>	<b>Alcoholic beverages and tobacco</b>	<b>424</b>	93.4	108.5	107.7	108.6	107.5	-1.05	-0.93	15.07
<b>03</b>	<b>Clothing and footwear</b>	<b>348</b>	116.5	120.1	121.8	121.5	122.5	0.82	2.03	5.18
<b>04</b>	<b>Housing, water, electricity, gas and other fuels</b>	<b>1274</b>	101.4	105.2	104.7	104.3	104.4	0.12	-0.73	3.00
<b>05</b>	<b>Furnishing, household equipment and routine household maintenance</b>	<b>277</b>	109.3	111.0	108.6	107.1	108.5	1.28	-2.22	-0.71
<b>06</b>	<b>Health</b>	<b>112</b>	102.6	104.4	104.7	104.4	104.3	-0.05	-0.05	1.73
<b>07</b>	<b>Transport</b>	<b>426</b>	108.1	106.8	107.8	109.2	109.1	-0.06	2.12	0.92
<b>08</b>	<b>Communication</b>	<b>51</b>	94.9	92.5	92.4	92.4	92.0	-0.40	-0.54	-3.06
<b>09</b>	<b>Recreation and culture</b>	<b>112</b>	109.0	105.4	105.1	105.0	104.8	-0.23	-0.56	-3.89
<b>10</b>	<b>Education</b>	<b>137</b>	113.6	121.1	121.1	121.1	121.1	0.00	0.00	6.62
<b>11</b>	<b>Restaurants and hotels</b>	<b>222</b>	109.8	115.4	115.2	115.4	115.5	0.11	0.15	5.23
<b>12</b>	<b>Miscellaneous goods and services</b>	<b>230</b>	108.5	108.2	107.3	107.9	109.4	1.37	1.03	0.79

## ALL RWANDA CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Dec. 11	Sept. 12	Oct. 12	Nov. 12	Dec. 12	1 month	3 months	12 months
	<b>GENERAL INDEX</b>	<b>10000</b>	109.8	121.4	123.0	121.9	119.9	-1.70	-1.28	9.16
<b>01</b>	<b>Food and non-alcoholic beverages</b>	<b>5422</b>	111.5	130.6	133.3	131.4	127.5	-2.97	-2.36	14.35
0111	❖ Bread and cereals	<b>1044</b>	102.0	112.7	113.7	116.3	117.6	1.13	4.34	15.29
0112	❖ Meat	<b>205</b>	109.3	117.1	116.0	115.6	118.4	2.39	1.14	8.36
0113	❖ Fish	<b>76</b>	141.6	134.6	133.6	130.5	129.1	-1.06	-4.04	-8.83
0117	❖ Vegetables	<b>2531</b>	121.8	151.7	155.2	149.5	139.8	-6.48	-7.82	14.76
<b>012</b>	<b>❖ Non-alcoholic beverages</b>	<b>184</b>	98.2	108.1	105.4	105.5	105.4	-0.16	-2.50	7.24
<b>02</b>	<b>Alcoholic beverages and tobacco</b>	<b>362</b>	98.5	111.0	110.5	111.2	110.3	-0.78	-0.64	12.04
<b>03</b>	<b>Clothing and footwear</b>	<b>358</b>	114.7	117.4	118.8	118.5	119.4	0.69	1.67	4.02
<b>04</b>	<b>Housing, water, electricity, gas and other fuels</b>	<b>1589</b>	104.9	107.8	107.9	107.6	107.4	-0.17	-0.32	2.42
<b>05</b>	<b>Furnishing, household equipment and routine household maintenance</b>	<b>338</b>	105.0	108.1	106.7	105.9	107.0	1.02	-0.98	1.89
<b>06</b>	<b>Health</b>	<b>130</b>	102.3	104.2	104.4	104.1	103.9	-0.17	-0.31	1.57
<b>07</b>	<b>Transport</b>	<b>685</b>	119.0	117.5	118.6	119.5	119.8	0.23	1.96	0.67
<b>08</b>	<b>Communication</b>	<b>131</b>	92.4	92.4	91.9	91.9	91.7	-0.26	-0.81	-0.83
<b>09</b>	<b>Recreation and culture</b>	<b>161</b>	107.2	105.0	104.9	105.1	105.0	-0.08	-0.03	-2.04
<b>10</b>	<b>Education</b>	<b>203</b>	118.9	126.0	126.0	126.0	126.0	0.00	0.00	5.92
<b>11</b>	<b>Restaurants and hotels</b>	<b>336</b>	107.2	109.8	109.7	109.5	109.5	0.04	-0.31	2.11
<b>12</b>	<b>Miscellaneous goods and services</b>	<b>288</b>	106.5	107.5	107.1	107.5	108.5	0.91	0.90	1.89

## 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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