

## REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

### CONSUMER PRICE INDEX (CPI) September 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 September 2013 the All Urban general index is established at 124.1 this stands for an increase of 1.24% over the previous month which was 122.5. In annual change it increased by 5.10% compared to 4.04% in the previous month. This gives a general inflation rate by an annual average of 4.3% during the month of September 2013.

The underlying inflation rate (excluding fresh food and energy) decreased by 0.03% if compared to the previous month and increased by 3.32% on annual change. The annual average underlying inflation rate is + 3.8 % in September 2013 up from the previous month 3.7 %.

#### All Rural Index:

In September 2013 the All Rural general index is established at 132.6 this stands for an increase of 5.44% over the previous month which was 125.7. In annual change it increased by 7.63% compared to 3.64% in the previous month.

#### All Rwanda Index:

In September 2013 the All Rwanda general index is established at 129.7 this stands for an increase of 4.04% over the previous month which was 124.6. In annual change it increased by 6.79% compared to 3.78% in the previous month.

Feb 2009=100	Sept. 12	Oct. 12	Nov. 12	Dec. 12	Jan. 13	Feb. 13	Mar. 13	April 13	May 13	June 13	July 13	Aug. 13	Sept. 13
<b>All Urban General Index</b>	118.0	118.4	117.9	116.9	118.5	118.8	119.6	121.2	121.3	121.2	121.1	122.5	124.1
<b>Annual change</b>	5.63	5.36	4.55	3.88	5.67	4.79	3.25	4.37	2.98	3.68	3.52	4.04	5.10
<b>All Rural General Index</b>	123.2	125.3	124.0	121.4	119.8	119.8	121.7	123.9	124.4	123.6	124.9	125.7	132.6
<b>Annual change</b>	14.04	15.01	13.04	11.96	11.79	9.74	6.55	6.13	4.85	4.61	4.48	3.64	7.63
<b>All Rwanda General Index</b>	121.4	123.0	121.9	119.9	119.4	119.4	121.0	123.0	123.3	122.8	123.6	124.6	129.7
<b>Annual change</b>	11.13	11.68	10.11	9.16	9.65	8.01	5.42	5.53	4.21	4.29	4.16	3.78	6.79

**ALL URBAN CONSUMER PRICE INDEX**

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Sept. 12	June 13	July 13	Aug. 13	Sept. 13	1 month	3 months	12 months
	<b>GENERAL INDEX</b>	<b>10000</b>	118.0	121.2	121.1	122.5	124.1	1.24	2.33	5.10
<b>01</b>	<b>Food and non-alcoholic beverages</b>	<b>3538</b>	128.2	130.3	130.2	133.8	138.1	3.25	6.04	7.77
0111	❖ Bread and cereals	733	115.5	115.3	114.2	113.7	114.0	0.24	-1.10	-1.31
0112	❖ Meat	274	114.9	116.8	116.2	115.4	115.6	0.12	-1.05	0.55
0113	❖ Fish	83	134.8	155.6	157.7	160.8	157.3	-2.17	1.1	16.69
0117	❖ Vegetables	1200	146.0	150.9	150.1	159.3	169.3	6.26	12.20	15.91
<b>012</b>	<b>❖ Non-alcoholic beverages</b>	<b>160</b>	114.5	115.9	118.2	118.9	118.5	-0.27	2.25	3.51
<b>02</b>	<b>Alcoholic beverages and tobacco</b>	<b>240</b>	119.8	126.5	124.9	125.8	124.3	-1.20	-1.77	3.75
<b>03</b>	<b>Clothing and footwear</b>	<b>377</b>	112.6	114.1	113.1	113.9	111.6	-2.06	-2.23	-0.89
<b>04</b>	<b>Housing, water, electricity, gas and other fuels</b>	<b>2204</b>	110.6	111.0	110.8	111.1	111.3	0.22	0.27	0.62
<b>05</b>	<b>Furnishing, household equipment and routine household maintenance</b>	<b>457</b>	106.4	107.8	107.8	106.9	107.4	0.49	-0.39	0.92
<b>06</b>	<b>Health</b>	<b>163</b>	104.0	104.1	104.1	104.5	104.6	0.11	0.46	0.62
<b>07</b>	<b>Transport</b>	<b>1189</b>	124.9	127.1	126.6	126.9	126.6	-0.17	-0.37	1.40
<b>08</b>	<b>Communication</b>	<b>288</b>	92.4	91.2	91.2	91.2	91.2	0.00	0.00	-1.24
<b>09</b>	<b>Recreation and culture</b>	<b>256</b>	104.5	105.5	105.7	105.8	106.4	0.60	0.88	1.78
<b>10</b>	<b>Education</b>	<b>331</b>	129.9	175.6	175.6	175.6	175.6	0.00	0.00	35.18
<b>11</b>	<b>Restaurants and hotels</b>	<b>558</b>	105.6	109.3	111.4	110.9	111.6	0.66	2.12	5.75
<b>12</b>	<b>Miscellaneous goods and services</b>	<b>400</b>	106.7	109.2	109.4	110.4	110.2	-0.22	0.87	3.32

In September 2013 the All Urban general index is established at 124.1 this stands for an increase of 1.24% over the previous month which was 122.5. In annual change it increased by 5.10% compared to 4.04% in the previous month. This gives a general inflation rate by an annual average of 4.3% during the month of September 2013.

The underlying inflation rate (excluding fresh food and energy) decreased by 0.03% if compared to the previous month and increased by 3.32% on annual change. The annual average underlying inflation rate is + 3.8 % in September 2013 up from the previous month 3.7 %.

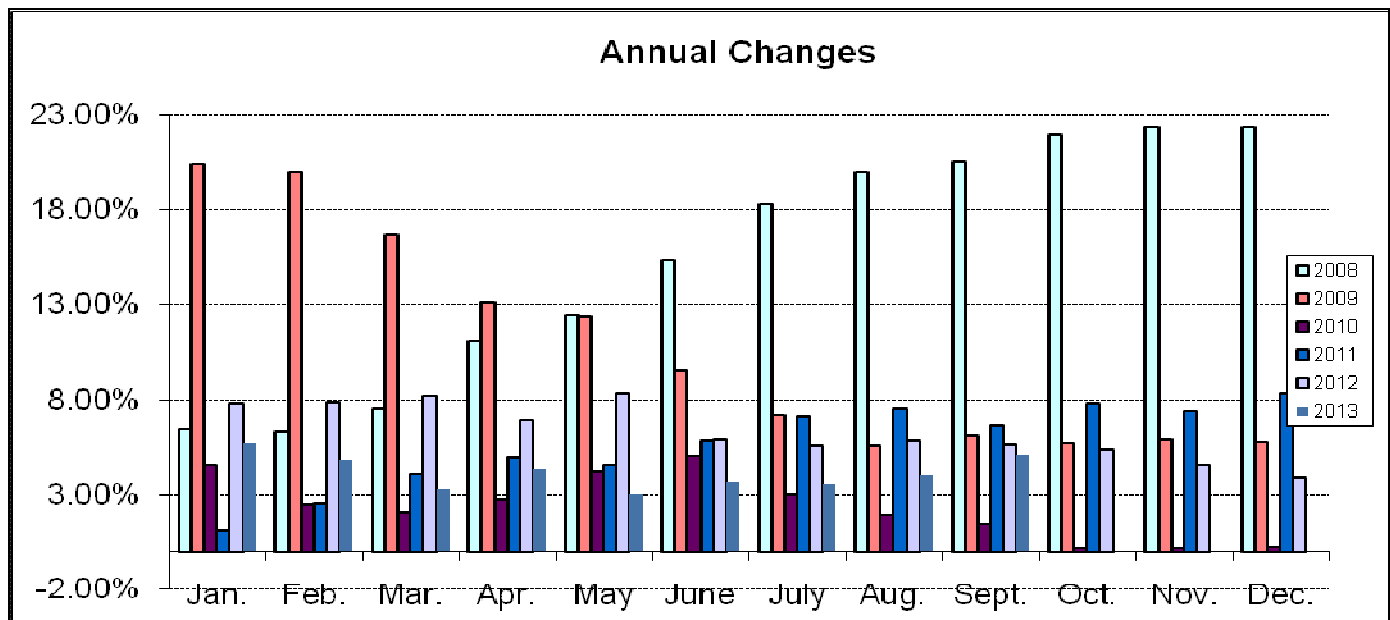
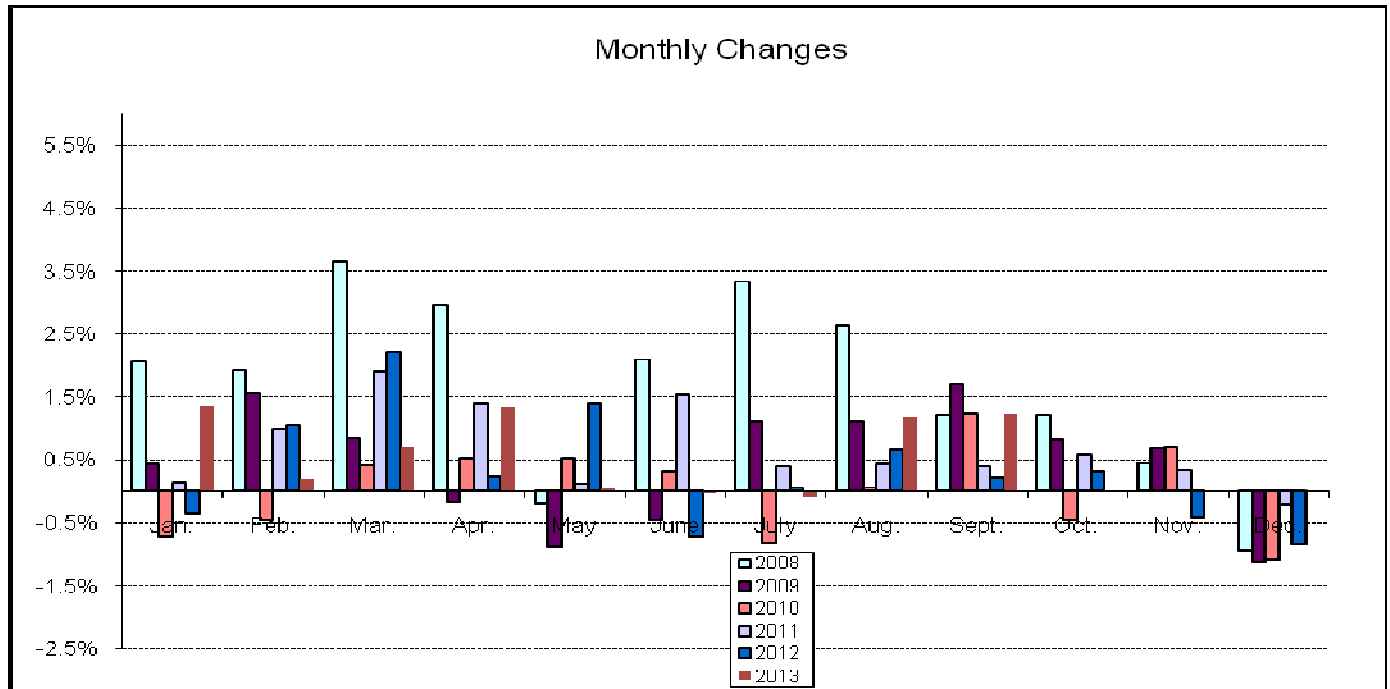
The increase in the consumer price index of 1.24 is attributable primarily to the increase in Food and non-alcoholic beverages (3.25).

It is noted that the increase of 3.25 in prices of Food and non alcoholic beverages is primary attributable to the increase of 6.26 of vegetables.

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 (7.77) and Education (35.18) which contributed +2.98 and + 1.28 respectively.

The 'local goods' increased by 5.74 on annual change with a monthly change of 1.48, while prices of the imported products increased by 2.45 on annual change with a monthly change of 0.21.

The prices of the fresh products had a positive annual change of 13.59 between September 2013 and September 2012.

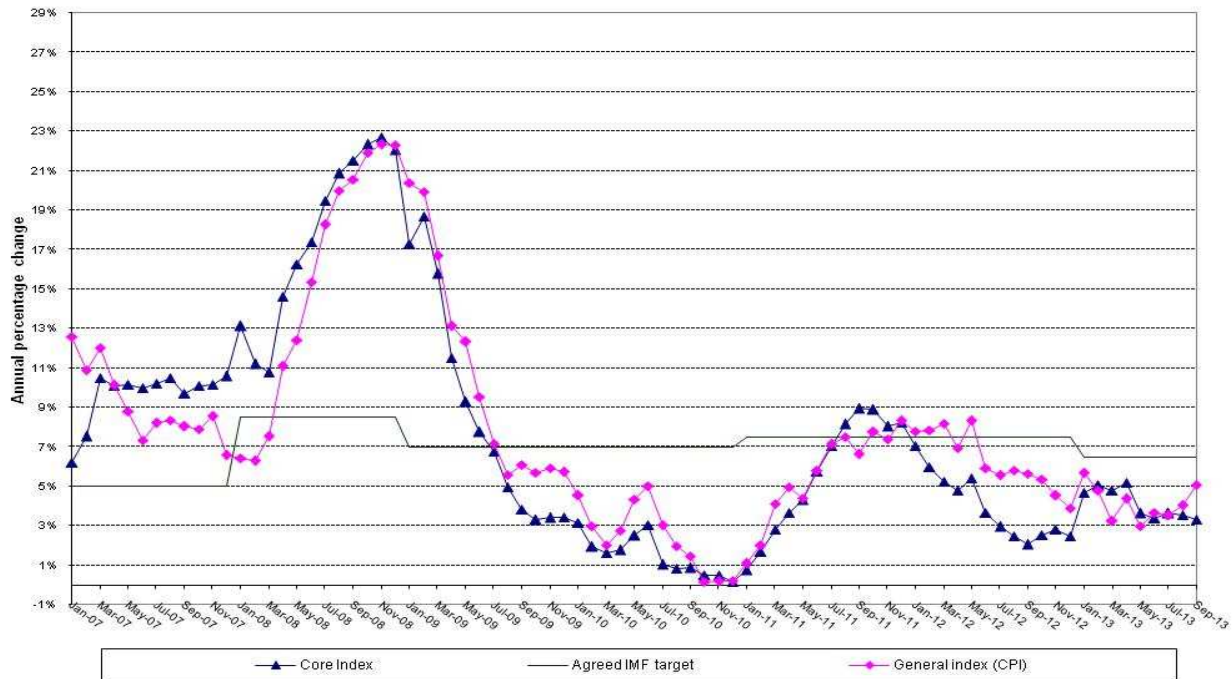


**Evolution (over 12 months) of the rate of inflation (%) <sup>(1)</sup>**

MONTH	Sept. 12	Oct. 12	Nov. 12	Dec. 12	Jan. 13	Feb. 13	Mar. 13	April 13	May 13	June 13	July 13	Aug. 13	Sept. 13
General index	7.1	6.9	6.7	6.3	6.1	5.9	5.5	5.2	4.8	4.6	4.4	4.3	4.3
Core / Underlying	5.3	4.8	4.4	3.9	3.7	3.7	3.6	3.7	3.5	3.5	3.6	3.7	3.8

(1) In September 2013, the average index of the last twelve months October 2012 to September 2013 increased by 4.3 (general index) and 3.8 (Core index) compared to the average index of the previous twelve months (October 2011 to September 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:		
		Sept. 12	June 13	July 13	Aug. 13	Sept. 13	1 month	3 months	12 months
<b>GENERAL INDEX</b>	<b>10,000</b>	<b>118.0</b>	<b>121.2</b>	<b>121.1</b>	<b>122.5</b>	<b>124.1</b>	<b>1.24</b>	<b>2.33</b>	<b>5.10</b>
<b>Local Goods Index</b>	<b>7,947</b>	<b>119.5</b>	<b>122.9</b>	<b>122.9</b>	<b>124.6</b>	<b>126.4</b>	<b>1.48</b>	<b>2.80</b>	<b>5.74</b>
Food and non-alcoholic beverages	2,982	130.7	132.7	132.6	136.7	141.5	3.44	6.56	8.24
Housing, water, electricity, gas and other fuels	2,134	110.7	111.1	110.8	111.2	111.4	0.22	0.34	0.66
Transport	759	125.5	126.7	126.7	126.7	126.6	-0.04	-0.06	0.88
<b>Imported Goods Index</b>	<b>2,053</b>	<b>112.3</b>	<b>114.6</b>	<b>114.3</b>	<b>114.8</b>	<b>115.0</b>	<b>0.21</b>	<b>0.38</b>	<b>2.45</b>
Food and non-alcoholic beverages	555	114.7	117.0	117.0	118.0	120.3	2.01	2.86	4.88
Furnishing, household equipment	196	98.5	101.1	101.0	99.6	100.8	1.11	-0.34	2.33
Transport	430	123.8	127.9	126.4	127.2	126.7	-0.39	-0.91	2.32
<b>Fresh Products index<sup>(1)</sup></b>	<b>1,403</b>	<b>148.3</b>	<b>149.7</b>	<b>149.6</b>	<b>157.8</b>	<b>168.5</b>	<b>6.78</b>	<b>12.56</b>	<b>13.59</b>
<b>Energy index</b>	<b>767</b>	<b>120.1</b>	<b>123.4</b>	<b>121.8</b>	<b>123.0</b>	<b>123.5</b>	<b>0.44</b>	<b>0.13</b>	<b>2.82</b>
<b>General Index excluding fresh Products and energy<sup>(2)</sup></b>	<b>7,829</b>	<b>112.4</b>	<b>115.9</b>	<b>115.9</b>	<b>116.2</b>	<b>116.1</b>	<b>-0.03</b>	<b>0.19</b>	<b>3.32</b>

(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		
			Sept. 12	June 13	July 13	Aug. 13	Sept. 13	1 month	3 months	12 months
	<b>GENERAL INDEX</b>	<b>10000</b>	123.2	123.6	124.9	125.7	132.6	5.44	7.25	7.63
<b>01</b>	<b>Food and non-alcoholic beverages</b>	<b>6387</b>	131.3	132.0	133.9	135.4	146.1	7.86	10.68	11.28
0111	❖ Bread and cereals	<b>1203</b>	111.9	107.4	104.0	101.8	103.9	2.10	-3.23	-7.11
0112	❖ Meat	<b>169</b>	118.8	119.5	118.9	116.3	116.7	0.36	-2.27	-1.75
0113	❖ Fish	<b>72</b>	134.4	141.3	148.4	156.0	171.2	9.79	21.19	27.42
0117	❖ Vegetables	<b>3213</b>	152.8	153.1	159.4	163.1	181.8	11.46	18.74	19.01
<b>012</b>	<b>❖ Non-alcoholic beverages</b>	<b>196</b>	105.4	103.3	102.9	102.9	104.9	1.91	1.52	-0.48
<b>02</b>	<b>Alcoholic beverages and tobacco</b>	<b>424</b>	108.5	103.2	105.1	100.0	102.1	2.06	-1.04	-5.89
<b>03</b>	<b>Clothing and footwear</b>	<b>348</b>	120.1	119.5	120.3	119.8	120.1	0.26	0.53	0.02
<b>04</b>	<b>Housing, water, electricity, gas and other fuels</b>	<b>1274</b>	105.2	104.6	103.5	103.8	103.8	-0.04	-0.75	-1.35
<b>05</b>	<b>Furnishing, household equipment and routine household maintenance</b>	<b>277</b>	111.0	107.1	109.4	108.9	106.3	-2.38	-0.71	-4.21
<b>06</b>	<b>Health</b>	<b>112</b>	104.4	105.7	105.2	105.2	105.7	0.55	0.01	1.30
<b>07</b>	<b>Transport</b>	<b>426</b>	106.8	108.7	108.7	109.1	109.2	0.11	0.46	2.19
<b>08</b>	<b>Communication</b>	<b>51</b>	92.5	92.5	92.4	92.4	92.4	0.00	-0.07	-0.11
<b>09</b>	<b>Recreation and culture</b>	<b>112</b>	105.4	103.3	104.5	105.2	104.8	-0.36	1.45	-0.57
<b>10</b>	<b>Education</b>	<b>137</b>	121.1	129.9	129.9	129.9	129.9	0.00	0.00	7.27
<b>11</b>	<b>Restaurants and hotels</b>	<b>222</b>	115.4	118.6	119.2	119.3	120.7	1.17	1.81	4.65
<b>12</b>	<b>Miscellaneous goods and services</b>	<b>230</b>	108.2	113.3	114.2	114.3	113.8	-0.42	0.51	5.18

## ALL RWANDA CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Sept. 12	June 13	July 13	Aug. 13	Sept. 13	1 month	3 months	12 months
	<b>GENERAL INDEX</b>	<b>10000</b>	121.4	122.8	123.6	124.6	129.7	4.04	5.60	6.79
<b>01</b>	<b>Food and non-alcoholic beverages</b>	<b>5422</b>	130.6	131.6	133.1	135.1	144.3	6.85	9.67	10.52
0111	❖ Bread and cereals	<b>1044</b>	112.7	109.3	106.4	104.6	106.3	1.62	-2.70	-5.70
0112	❖ Meat	<b>205</b>	117.1	118.2	117.7	115.9	116.2	0.25	-1.72	-0.73
0113	❖ Fish	<b>76</b>	134.6	146.6	151.8	157.8	166.1	5.26	13.27	23.42
0117	❖ Vegetables	<b>2531</b>	151.7	152.8	157.9	162.5	179.8	10.64	17.71	18.53
<b>012</b>	<b>❖ Non-alcoholic beverages</b>	<b>184</b>	108.1	107.0	107.4	107.6	108.9	1.20	1.75	0.76
<b>02</b>	<b>Alcoholic beverages and tobacco</b>	<b>362</b>	111.0	108.4	109.5	105.8	107.1	1.19	-1.23	-3.55
<b>03</b>	<b>Clothing and footwear</b>	<b>358</b>	117.4	117.6	117.7	117.7	117.1	-0.54	-0.43	-0.29
<b>04</b>	<b>Housing, water, electricity, gas and other fuels</b>	<b>1589</b>	107.8	107.6	106.9	107.2	107.3	0.09	-0.25	-0.40
<b>05</b>	<b>Furnishing, household equipment and routine household maintenance</b>	<b>338</b>	108.1	106.5	107.8	107.1	105.9	-1.12	-0.60	-2.00
<b>06</b>	<b>Health</b>	<b>130</b>	104.2	105.1	104.7	104.9	105.3	0.36	0.20	1.01
<b>07</b>	<b>Transport</b>	<b>685</b>	117.5	119.5	119.2	119.5	119.5	-0.06	-0.06	1.69
<b>08</b>	<b>Communication</b>	<b>131</b>	92.4	91.6	91.5	91.5	91.5	0.00	-0.02	-0.95
<b>09</b>	<b>Recreation and culture</b>	<b>161</b>	105.0	104.6	105.3	105.6	105.8	0.22	1.15	0.73
<b>10</b>	<b>Education</b>	<b>203</b>	126.0	155.1	155.1	155.1	155.1	0.00	0.00	23.18
<b>11</b>	<b>Restaurants and hotels</b>	<b>336</b>	109.8	113.3	114.9	114.6	115.6	0.89	2.02	5.24
<b>12</b>	<b>Miscellaneous goods and services</b>	<b>288</b>	107.5	111.4	111.9	112.5	112.1	-0.33	0.68	4.31

### 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

### Contacts

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