



**STATISTICS SIERRA LEONE**  
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# CONSUMER PRICE INDEX JULY 2018

## PRESS RELEASE

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**21<sup>st</sup> August, 2018**

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## KEY FINDINGS

### Headline consumer price index (CPI for all regional areas)

Annual consumer price inflation (year-on-year) is 17.71 percent in July 2018, up from 16.57 percent in June 2018.

The consumer price inflation for the month of July, 2018 is 1.99 percent.

### Contributions to headline annual (year-on-year) consumer price inflation

- ✓ Food and non-alcoholic beverages inflation slightly declined by 0.58 percent from 19.65 percent in June to 19.07 percent in July, 2018
- ✓ Alcoholic beverages and tobacco inflation increased from 21.02 percent in June to 21.77 percent in July. The inflation rate increased by 0.75 percentage point year-on-year.
- ✓ Housing, water, electricity. Gas and other fuels increased from 9.52 percent in June to 16.43 percent in July. The inflation rate increased by 6.91 percentage point year-on-year.
- ✓ Health increased from 16.63 percent in June to 17.39 percent in July. The inflation rate increased by 0.76 percentage point year-on-year.
- ✓ Clothing and footwear increased from 13.66 percent in June to 14.15 percent in July. The inflation rate increased by 1.03 percentage point year-on-year.
- ✓ Furniture, household equipment and household maintenance increased from 16.61 percent in June to 18.36 percent in July. The inflation rate increased by 1.75 percentage point year-on-year.
- ✓ Transport increased from 6.58 percent in June to 14.66 percent in July. The inflation rate increased by 8.08 percentage point year-on-year.
- ✓ Communication increased from 11.38 percent in June to 11.51 percent in July. The inflation rate increased by 0.13 percentage point year-on-year.
- ✓ Recreation and Culture increased from 13.87 percent in June to 14.38 percent in July. The inflation rate increased by 0.51 percentage point year-on-year.
- ✓ Education increased from 12.49 percent in June to 13.14 percent in July. The inflation rate increased by 0.65 percentage point year-on-year.
- ✓ Restaurant and Hotels increased from 25.06 percent in June to 27.48 percent in July. The inflation rate increased by 2.44 percentage point year-on-year.
- ✓ Miscellaneous goods and services inflation slightly declined by 0.77 percent from 18.73 percent in June to 17.96 percent in July, 2018.

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## Contributions to monthly consumer price inflation

- ✓ Food and non-alcoholic beverages inflation slightly declined by 0.80 percent from 1.84 percent in June to 1.04 percent in July, 2018
- ✓ Alcoholic beverages, tobacco and narcotics inflation slightly declined by 0.41 percent from 1.95 percent in June to 1.54 percent in July, 2018.
- ✓ Clothing inflation slightly declined by 0.48 percent from 1.36 percent in June to 0.88 percent in July, 2018
- ✓ Housing, water, electricity. Gas and other fuels inflation rate increased from 1.09 percent in June to 6.51 percent in July. The rate increased by 5.42 percentage point.
- ✓ Health inflation increased rate from 1.51 percent in June to 1.53 percent in July. The rate increased by 0.02 percentage point.
- ✓ Furniture, Household Equipment and Household Maintenance inflation rate increased from 1.69 percent in June to 2.21 percent in July. The rate increased by 0.52 percentage point.
- ✓ Transport inflation rate increased from 0.57 percent in June to 7.90 percent July. The rate increased by 7.33 percentage point.
- ✓ Communication inflation rate increased from 0.62 percent in June to 0.66 percent in July. The rate increased by 0.04 percentage point.
- ✓ Recreation and hotels slightly declined by 0.06 percent from 0.75 percent in June to 0.69 percent in July, 2018
- ✓ Education slightly declined by 0.32 percent from 1.01 percent in June to 0.69 percent in July, 2018
- ✓ Restaurant and Hotels inflation rate increased from 2.02 percent in June to 2.59 percent in July. The rate increased by 0.57 percentage point.
- ✓ Miscellaneous goods and services inflation slightly declined by 0.96 percent from 1.37 percent in June to 0.41 percent in July, 2018

## DETAILED EXPLANATION ON THE JULY, 2018 CONSUMER PRICE INDEX (CPI)

### THE CONSUMER PRICE INFLATION FOR THE MONTH OF JULY, 2018 IS 1.99 PERCENT

The national monthly CPI (2008=100) increased from 234.13 percent in June, 2018 to 238.79 percent in July, 2018 resulting in 1.99 percent inflation this month. Similarly, the monthly rates of inflation increased in all the regions. Western Area (2.52 percent), Northern Region (1.25 percent), Southern region (1.76 percent) and the Eastern Region (1.99 percent) comprising two centres, Kenema (1.71 percent) and Kono (2.26 percent) during the same period.

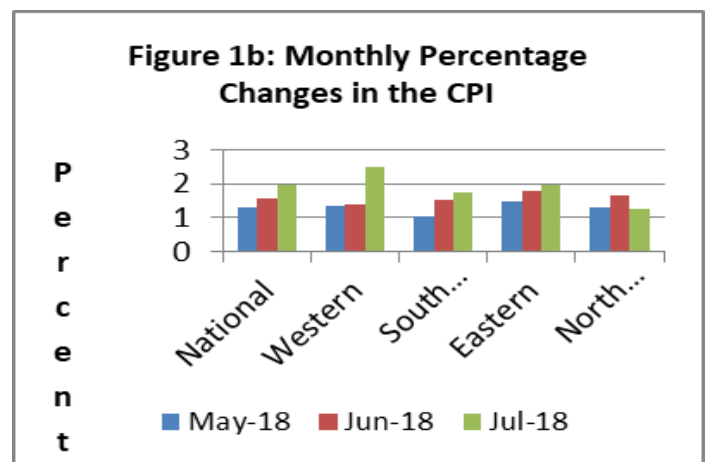
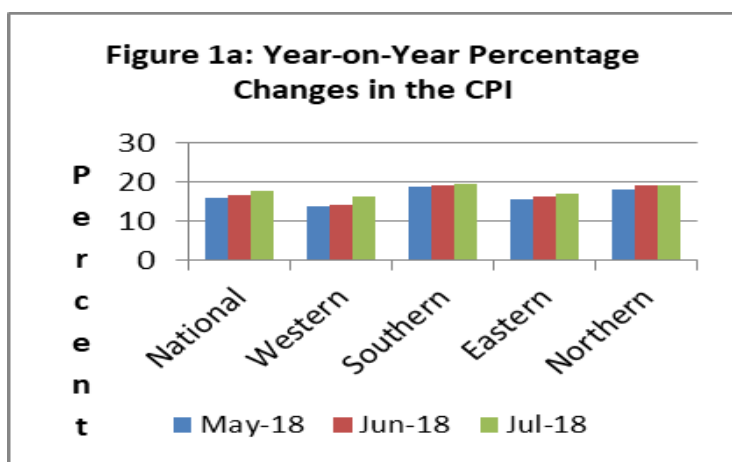
Also, the national year-on-year inflation for July, 2018 increased from 16.57 per cent in June, 2018 to 17.71 percent in July, 2018. Again, the year-on-year of inflation increased in the Eastern region from 16.19 percent in June, 2018 to 17.09 percent in July, 2018, in North region from 19.06 percent to 19.29 percent, in Western Area from 14.31 percent to 16.32 percent and in Southern region from 19.07 percent to 19.44 percent.

**Table 1.0: Regional Year-on-Year and Monthly Inflation rates**

2008=100										
Month	National		Western Area		Eastern Region		Southern Region		Northern Region	
	Year-on-year	Monthly	Year-on-year	Monthly	Year-on-year	Monthly	Year-on-year	Monthly	Year-on-year	Monthly
June, 2018	16.57	1.55	14.31	1.41	16.19	1.79	19.07	1.54	19.06	1.68
July, 2018	17.71	1.99	16.32	2.52	17.09	1.99	19.44	1.76	19.29	1.25

It has been observed that, the Eastern region and western Area year-on-year inflation rates are below the annual national inflation while the two other regions (North and South) annual inflation are above the year-on-year national inflation rates. The Southern region is now taking the lead in the year-on-year inflation followed by the Northern region.

Figures 1a & 1b below illustrate the movement in the year-on-year inflation and monthly inflation respectively for the National CPI and Regional CPI centers, while table 1.1 below shows the National CPI of the month of July, 2017 and July, 2018; as well as the 12 month change in the CPI for the main COICOP functions.



## FACTORS INFLUENCING CHANGES IN THE MONTHLY RATE OF INFLATION

The monthly price inflation of 1.99 percent reflects a general increase in the price level in all the four regions which affected most of the components in the CPI basket. The indices that slightly increased were food and non-alcoholic beverages(1.04 per cent), clothing and footwear(1.54 per cent), housing, water, electricity, gas and other fuels(6.51 per cent), health (1.53 percent), transport(7.90 percent), alcoholic beverages, tobacco and narcotics (1.54 percent), furniture, household equipment and household maintenance(2.21 per cent), restaurant and hotels(2.59 per cent), education(0.69 per cent), miscellaneous goods and services (0.41 percent), communication(0.66 percent) and recreation and culture(0.69 per cent). The general increase in the price level especially the food, transport, housing, water, electricity, gas and other fuels and furniture, household equipment and household maintenance was due to the steady depreciation of the Leone which has translated into inflationary expectations and increasing prices, reinforced by an increase in the price of fuel from Le 6,000 to Le8,000 (33.3 per cent increase). This resulted into an increase in the cost of transport services and it has also brought about increases in the prices of most goods and services as producers responded to the increase in the cost of production by increasing prices of their goods. However, food prices seemed to have increased in July at a slower rate when compared to increase in June, 2018.

**Table 1.1: National CPI and Year-on-Year Rates of Inflation by Main COICOP Groups (2008=100)**

COICOP	WEIGHT	Jul-17 Month Previous Year -	Apr-18 Month m-3 for Current Year,	May-18 Month m-2 for Current Year	Jun-18 Month m-1 for Current Year	Jul-18 Month m for Current Year	Monthly Change	3 Months Change	12 months Change
<b>Food &amp; Non-Alcoholic Bev.</b>	41.86	217.85	248.17	252.09	256.72	259.39	1.04	4.52	19.07
<b>Alcoholic Beverages, Tobacco And Narcotics</b>	1.71	197.43	229.31	232.24	236.77	240.41	1.54	4.84	21.77
<b>Clothing And Footwear</b>	7.34	234.78	258.64	262.07	265.64	267.99	0.88	3.62	14.15
<b>Housing, Water, Electricity, Gas And Other Fuels</b>	13.70	169.80	181.16	183.59	185.60	197.69	6.51	9.12	16.43
<b>Furniture, Household Equipment And Household Maintenance</b>	5.86	231.65	262.12	263.81	268.26	274.18	2.21	4.60	18.36
<b>Health</b>	11.36	193.00	217.72	219.84	223.15	226.57	1.53	4.06	17.39
<b>Transport</b>	7.75	184.70	193.83	195.17	196.28	211.78	7.90	9.26	14.66
<b>Communication</b>	2.04	156.96	172.23	172.80	173.87	175.02	0.66	1.62	11.51
<b>Recreation And Culture</b>	1.47	185.80	207.54	209.48	211.05	212.51	0.69	2.39	14.38
<b>Education</b>	2.88	137.65	152.61	153.13	154.68	155.74	0.69	2.05	13.14
<b>Restaurant And Hotels</b>	0.92	192.15	230.49	234.05	238.77	244.95	2.59	6.27	27.48
<b>Miscellaneous Goods And Services</b>	3.13	199.62	228.49	231.32	234.50	235.47	0.41	3.05	17.96
<b>All Items</b>	<b>100</b>	<b>202.87</b>	<b>227.58</b>	<b>230.55</b>	<b>234.13</b>	<b>238.79</b>	<b>1.99</b>	<b>4.93</b>	<b>17.71</b>

The National CPI measures the change in prices, on average, from month to month, of the goods and services bought by households, in Freetown, Bo, Kenema, Kono and Makeni and include all expenditure groups. Prices are collected for 400 items. All prices collected are the prevailing retail market prices from six (6) markets in Freetown and, three (3) Markets each in Bo, Kenema Makeni and Kono for weekly prices and other outlets for monthly items whose prices are less likely to fluctuate rapidly. We are using the Modified Laspeyres formula to compute indices according to the Classification of Individual Consumption by Purpose (COICOP) with 12 functions.

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## DETAILED RESULTS

**Table 2.1 CPI Headline index numbers (2008=100)**

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2016</b>	161.46	162.44	163.16	164.99	167.12	168.58	171.11	173.5	175.13	177.89	182.74	187.39
<b>2017</b>	191.59	194.63	196.15	197.66	198.72	200.85	202.87	204.75	206.35	207.88	212.46	216.11
<b>2018</b>	219.73	222.65	225.4	227.58	230.55	234.13	238.79					

**Table 2.2 CPI Headline year-on-year rates**

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2016</b>	8.41	8.68	7.85	8.68	8.94	9.46	10.87	10.52	11.31	12.56	15.26	17.41
<b>2017</b>	18.66	19.82	20.22	19.8	18.91	19.14	18.56	18.01	17.83	16.86	16.26	15.33
<b>2018</b>	14.69	14.4	14.91	15.14	16.02	16.57	17.71					

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**Table 3.0: Year-on-Year and Monthly Inflation Rates**

	National CPI(2008=100)			Western Area/Freetown CPI (2008=100)		
	CPI	Year-on-Year % Change	Monthly Change	CPI	Year-on-Year % Change	Monthly Change
<b>2016</b>						
January	161.46	8.41	1.17	166.52	7.42	1.08
February	162.44	8.68	0.61	167.65	7.73	0.68
March	163.16	7.85	0.44	168.41	7.14	0.45
April	164.99	8.68	1.12	170.35	8.12	1.15
May	167.12	8.94	1.29	173.17	9.75	1.66
June	168.58	9.46	0.87	174.81	10.54	0.95
July	171.11	10.87	1.5	175.72	11	0.52
August	173.5	10.52	1.4	178.84	10.74	1.78
September	175.13	11.31	0.94	179.90	11.15	0.59
October	177.89	12.56	1.58	183.08	12.3	1.76
November	182.74	15.26	2.73	186.64	14.2	1.95
December	187.39	17.41	2.54	192.60	16.91	3.19
<b>Average</b>	<b>171.29</b>	<b>10.83</b>	<b>1.35</b>	<b>176.47</b>	<b>10.58</b>	<b>1.31</b>
<b>2017</b>						
January	191.59	18.66	2.24	197.56	18.64	2.58
February	194.63	19.82	1.59	200.70	19.72	1.59
March	196.15	20.22	0.78	202.36	20.16	0.83
April	197.66	19.8	0.77	204.09	19.81	0.85
May	198.72	18.91	0.54	204.49	18.09	0.2
June	200.85	19.14	1.07	206.40	18.07	0.93
July	202.87	18.56	1.01	207.94	18.33	0.75
August	204.75	18.01	0.93	209.55	17.17	0.77
September	206.35	17.83	0.78	211.50	17.56	0.93
October	207.88	16.86	0.74	212.93	16.30	0.67
November	212.46	16.26	2.20	217.34	16.45	2.07
December	216.11	15.33	1.72	220.98	14.74	1.67
<b>Average</b>	<b>202.50</b>	<b>18.28</b>	<b>1.20</b>	<b>207.99</b>	<b>17.92</b>	<b>1.15</b>
<b>2018</b>						
January	219.73	14.69	1.68	223.74	13.25	1.25
February	222.65	14.40	1.33	226.02	12.62	1.02
March	225.40	14.91	1.24	228.17	12.76	0.95
April	227.58	15.14	0.97	229.58	12.49	0.62
May	230.55	16.02	1.31	232.64	13.77	1.34
June	234.13	16.57	1.55	235.92	14.31	1.41
July	238.79	17.71	1.99	241.88	16.32	2.52
August						
September						
October						
November						
December						

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**Table 4.0: National Consumer Price Index by Main COICOP Groups (2008=100)**

	Food And Non-Alcoholic Beverages	Alcoholic Beverages, Tobacco And Narcotics	Clothing And Footwear	Housing, Water, Electricity, Gas And Other Fuels	Furniture, Household Equipment And Household	Health	Transport	Communication	Recreation And Culture	Education	Restaurant And Hotels	Miscellaneous Goods And Services	All Items
<b>Weight</b>	<b>41.86</b>	<b>1.71</b>	<b>7.34</b>	<b>13.7</b>	<b>5.86</b>	<b>11.36</b>	<b>7.75</b>	<b>2.04</b>	<b>1.47</b>	<b>2.88</b>	<b>0.92</b>	<b>3.13</b>	<b>100</b>
Jan-16	170.36	152.47	169.99	145.74	177.58	163.18	144.44	130.14	154.92	126.34	153.31	152.88	161.46
Feb-16	171.54	152.62	171.01	146.41	178.05	164.29	144.51	130.39	156.42	126.97	157.65	153.68	162.44
Mar-16	172.4	153.87	171.48	146.79	178.88	164.84	144.91	130.4	162.12	127.06	158.59	154.42	163.16
Apr-16	175.07	154.98	173.33	147.2	179.71	167.24	145.24	130.53	163.02	127.91	159.73	155.48	164.99
May-16	177.33	157.43	177.21	147.75	182.84	169.79	149.09	130.56	164.25	128.18	159.44	157.01	167.12
Jun-16	179.4	159.59	179.49	149.56	184.78	168.89	149.79	132.34	165.5	128.4	160.07	157.72	168.58
Jul-16	182.88	160.87	183.52	150.46	187.58	171.16	149.65	133.7	167.86	129.21	161.13	159.48	171.11
Aug-16	186.78	162.19	185.77	151.09	192.19	172.42	150.21	133.81	169.31	129.38	161.47	159.52	173.5
Sep-16	187.72	164.38	187.75	152.38	193.4	177.12	150.71	134.75	170.37	133.23	162.07	160	175.13
Oct-16	190.45	166.36	190.81	152.59	196.42	181.38	151.95	135.41	174.46	135.65	163.86	169.43	177.89
Nov-16	194.83	171.07	198.03	160.05	202.6	181.71	162.58	140.13	174.81	136.54	170.53	176.28	182.74
Dec-16	200.23	175.3	205.36	164.61	209.1	182.92	165.11	145.55	176.87	136.64	175.86	183.31	187.39
Jan-17	<b>204.76</b>	<b>181.11</b>	<b>216.4</b>	<b>165.98</b>	<b>215.6</b>	<b>183.42</b>	<b>173.05</b>	<b>148.89</b>	<b>180.22</b>	<b>136.84</b>	<b>182.64</b>	<b>187.32</b>	<b>191.59</b>
Feb-17	208.42	186.2	221.43	167.42	221.35	185.87	173.85	150.43	180.65	136.91	182.74	190.46	194.63
Mar-17	210.81	190.78	221.69	167.97	222.42	186.13	176.25	150.52	181.21	137.08	184.93	191.65	196.15
Apr-17	211.73	192.07	224.05	168.43	226.5	188.8	180.03	153.23	181.88	137.21	186.93	193.3	197.66
May-17	212.33	193.55	227.95	168.96	226.53	189.34	183.8	154.16	182.71	137.22	189.74	195.38	198.72
Jun-17	214.56	195.64	233.71	169.47	230.04	191.33	184.16	156.1	185.35	137.51	190.92	197.51	200.85
Jul-17	217.85	197.43	234.78	169.8	231.65	193	184.7	156.96	185.8	137.65	192.15	199.62	202.87
Aug-17	220.49	202.41	235.42	170.01	234.36	194.21	185.1	157.52	186.46	138.55	195.97	203.91	204.75
Sept-17	221.96	204.02	237.81	170.27	237.6	196.62	186.54	160.62	187.72	138.85	199.6	205.61	206.35
Oct-17	223.88	206.03	239.05	170.71	240.1	197.87	187.36	161.93	190.35	139.17	203.05	207.79	207.88
Nov-17	231.59	209.96	242.24	172.65	242.46	199.36	187.63	163.72	193.65	141.25	205.38	212.08	212.46
Dec-17	236.14	215.57	248.21	174.79	246.89	201.37	188.95	164.78	196.29	143.49	211.1	214.87	216.11
Jan-18	<b>240.61</b>	<b>218.27</b>	<b>251.93</b>	<b>176.68</b>	<b>249.13</b>	<b>205.92</b>	<b>190.98</b>	<b>165.94</b>	<b>198.83</b>	<b>147.19</b>	<b>214.47</b>	<b>217.67</b>	<b>219.73</b>
Feb-18	243.6	222.52	254.76	178.69	254.02	209.47	191.54	170.77	201.11	148.5	220.16	220.6	222.65
Mar-18	246.07	226.68	257.38	180.06	260.28	213.6	192.93	171.25	205.24	150.83	225.93	224.25	225.4
Apr-18	248.17	229.31	258.64	181.16	262.12	217.72	193.83	172.23	207.54	152.61	230.49	228.49	227.58
May-18	252.09	232.24	262.07	183.59	263.81	219.84	195.17	172.8	209.48	153.13	234.05	231.32	230.55
June-18	256.72	236.77	265.64	185.6	268.26	223.15	196.28	173.87	211.05	154.68	238.77	234.5	234.13
July-18	259.39	240.41	267.99	197.69	274.18	226.57	211.78	175.02	212.51	155.74	244.95	235.47	238.79

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