



NATIONAL STATISTICS BUREAU Royal Government of Bhutan



CONSUMER PRICE INDEX (CPI) BULLETIN OCTOBER 2018

ECONOMIC AND ENVIRONMENTAL STATISTICS DIVISION NATIONAL STATISTICS BUREAU

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FOREWORD

National Statistics Bureau (NSB) is pleased to release the Consumer Price Index (CPI) Bulletin

for October 2018. This is the 59th series of monthly CPI Bulletin published by Economic and

Environmental Statistics Division, NSB.

The Bulletin is compiled using December 2012 as the price reference period and tracks the price

movements of 151 items in 20 districts and 2 major urban areas. The rebased CPI uses the

Geometric Modified Laspeyres formula, and has separate indices for domestic and imported

goods and services.

We thank all agencies and stakeholders for their support in bringing out this bulletin and look

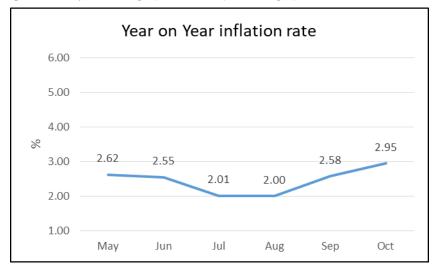
forward for their continued support.

November 2018

National Statistics Bureau

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GRAPH 1: YEAR-ON-YEAR INFLATION



YEAR-ON-YEAR INFLATION RATE

The Consumer Price Index in October 2018 [i.e., from October 2017 to October 2018] increased by 2.95%, up by 0.37 percentage point compared to September 2018. Both food and non-food prices recorded higher increase compared to September with 4% and 2.26% respectively.

Local goods and services increased 2.57% due to food prices which increased by 4.20% while non-food prices increased by only 1.63%.

Imported goods and services recorded higher increase compared to local with 3.30% due to higher increase in non-food prices by 2.90% as compared to the same group under local goods and services. However, food prices recorded lower increase compared to local food prices with 0.15 percentage point lower at 3.85%.

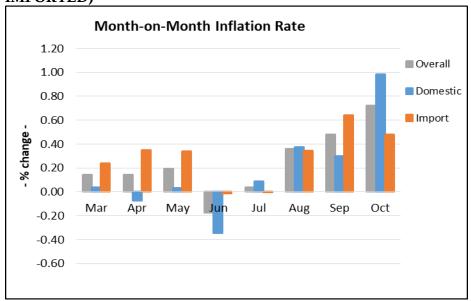
Parish P				Table	1. Voor	on Voc	r Indov	& norce	ontago (shango (Nations	. 1)											
May																Percent change (%)							
Frood Signature Signatu					20		muex	(Decemb	Jei 2012-	-100)	201	0											
Food	Group	Weights					Son	Sen Oct		May lun		·	San	Oct	May	lun			San	Oct			
Non-food 60.08 12.78 12.78 12.78 12.81 128.01	Food	39.92	<u> </u>				<u> </u>	-	i		-		•	 					·	4.00			
Part			-		l	-	-	ł	ł	·	ł									2.26			
Percent change Parcent	Overall	100	 		····	 		ł	 	 	 	 		 	2.62	2.55	2.01	2.00	2.58	2.95			
Percent Change (%) Percent				Table	,	•	,		,			,											
Height H	Index (December 2012=100)														Percent change (%)								
Food 17.77 13.74 13.92 13.92 140.23 139.76 140.60 145.79 144.45 144.39 144.01 144.50 145.00 433. 23 3.73 3.77 2.70 3.39				·																			
Food 17.77 139.74 139.26 139.95 140.23 139.76 140.60 145.79 144.45 144.39 144.50 146.50 146.50 4.33 3.73 3.17 2.70 3.39 Non-Food 30.24 130.46 130.47 130.91 130.10 130.77 131.08 130.68 130.67 130.88 131.87 132.24 133.22 0.17 0.16 0.02 0.66 0.96 Total 48.01 133.82 133.65 134.19 134.35 134.16 134.35 136.08 135.61 135.61 135.61 135.61 135.61 135.61 135.61 135.61 135.61 135.61 135.61 135.61 135.61 136.08 135.61 135.61 135.61 135.61 136.08 136.08 136.08 135.61 135.61 135.61 136.08 136.08 136.08 135.61 135.61 136.08 136.08 136.08 136.08 135.61 135.61 136.08 136.08 136.08 136.08 135.61 135.61 136.08 136.08 136.08 136.08 135.61 135.61 136.08 136.08 136.08 136.08 135.61 135.61 136.08 136.08 136.08 136.08 135.61 136.08 136.08 136.08 136.08 135.61 136.08 136.08 136.08 136.08 135.61 136.08 136.08 136.08 136.08 135.61 136.08	Group	Weights	Mav	Jun				Oct	Mav	Jun	r		Sep	Oct	Mav	Jun			Sep	Oct			
Total Meights May Jun Jul May Sep More	Food	17.77	 			 		ł	 	t	 			 						4.20			
Table 3: Year—on-Year Index December 2012=100 Percent change (mport) Percent change (Non-Food	30.24	130.46	130.47	130.91	131.00	130.97	131.08	130.68	130.67	130.88	131.87	132.24	133.22	0.17	0.16	-0.02	0.66	0.96	1.63			
Percent Per	Total	48.01	133.82	133.65	134.19	134.35	134.16	134.53	136.08	135.61	135.73	136.24	136.65	137.99	1.69	1.47	1.15	1.41	1.85	2.57			
Parish P																							
Group Weights May Jun Jul Aug Sep Oct May Jun Jul Aug Sep Oct May Jun Jul Aug Sep Oct May Jun Jul Aug Sep Food 22.15 131.78 131.60 133.60 134.78 125.92 125.41 125.92 125.41 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.92 125.42 125.92 125.42 125.92 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.42 125.92 125.74 125.92 125.74 125.92 129.75 125.24 125.92 129.57 125.04 125.02 125.02 125.02 125.02 125.02 125.02															Percent change (%)								
Food 22.15 131.78 131.60 133.60 134.78 135.35 136.44 140.34 139.76 139.84 140.35 141.09 141.69 64.99 62.0 4.67 4.13 4.24	6	14/-:			20	17				2018													
Non-Food 29.84 125.29 125.26 125.41 125.92 125.44 125.92 125.44 125.93 126.94 127.30 127.44 127.67 128.60 129.27 1.32 1.63 1.46 1.39 2.52 1.00 1.	Group	weights	May	Jun	Jul	Aug	Sep	Oct	May	Jun	Jul	Aug	Sep	Oct	May	Jun	Jul	Aug	Sep	Oct			
Total 51.99 128.02 127.92 128.83 129.62 129.57 130.13 132.48 132.47 132.46 132.92 133.78 134.42 3.49 3.56 2.82 2.55 3.25 Table 4: Year on Year index: Group Level	Food	22.15	131.78	131.60	133.60	134.78	135.35	136.44	140.34	139.76	139.84	140.35	141.09	141.69	6.49	6.20	4.67	4.13	4.24	3.85			
Table 4: Year on Year index: Group Level Separation	Non-Food	29.84	125.29	125.26	125.41	125.92	125.44	125.63	126.94	127.30	127.24	127.67	128.60	129.27	1.32	1.63	1.46	1.39	2.52	2.90			
Percent change (%) Percent	Total	51.99	128.02	127.92	128.83	129.62	129.57	130.13	132.48	132.47	132.46	132.92	133.78	134.42	3.49	3.56	2.82	2.55	3.25	3.30			
Proof and non-alcoholic beverages 36.89 134.83 134.49 135.90 136.63 136.75 137.79 142.27 141.28 141.28 141.35 142.02 143.31 5.52 5.05 3.96 3.45 3.85					Tab	ole 4: Ye	ar on Y	ear inde	ex: Grou	ıp Level													
Name May							Index	(Decemb	er 2012:	=100)					Percent change(%)								
Weights May Jun Jul Aug Sep Oct May Jun Jul Aug Sep Oct May Jun Jul Aug Sep Oct May Jun Jun Jul Aug Sep Oct May Jun Jul Aug Sep Food and non-alcoholic beverages 36.89 134.83 134.49 135.90 136.63 136.75 137.79 142.27 141.28 141.28 141.25 142.02 143.31 5.52 5.05 3.96 3.45 3.85 Alcholic beverages and narcotics 3.03 141.86 141.89 143.69 145.27 145.24 145.52 149.84 149.98 150.16 150.94 151.00 151.37 5.62 5.69 4.50 3.91 3.96 Clothing and footwear 9.20 130.86 130.75 131.45 31.99 131.73 136.93 136.93 136.93 137.14 137.17 137.41 139.37 139.79 <t< th=""><th>12 Major Groups</th><th></th><th></th><th></th><th>20</th><th>17</th><th></th><th></th><th></th><th></th><th>201</th><th></th><th></th><th colspan="8">2018</th></t<>	12 Major Groups				20	17					201			2018									
Alcholic beverages and narcotics 3.03	12 Major Groups	Weights	May	Jun	Jul	Aug	Sep	Oct	May	Jun	Jul	Aug	Sep	Oct	May	Jun	Jul	Aug	Sep	Oct			
Clothing and footwear 9.20 130.86 130.75 131.45 131.99 131.73 132.00 134.55 134.63 134.58 135.36 135.80 135.87 2.81 2.97 2.38 2.56 3.08 Housing, water, gas, electricity and other fuels 21.70 136.15 136.27 136.78 136.94 136.93 136.95 137.14 137.17 137.41 139.37 139.79 139.81 0.73 0.65 0.46 1.77 2.09 Furnishing, household equipment and routine maintenance of the house 2.20 131.43 131.76 132.23 132.40 132.27 132.36 133.28 133.28 133.37 134.49 134.98 135.10 1.40 1.15 0.86 1.57 2.05 Health 4.68 109.59 109.59 109.98 110.47 110.51 110.47 111.00 111.00 111.00 113.55 114.58 1.29 1.29 0.93 0.48 2.75 Transport 11.98 129.99 129.72 129.29 129.72 128.63 128.80 127.40 128.18 128.02 127.01 127.75 131.18 -2.00 -1.19 -0.98 -2.08 -0.68	Food and non-alcoholic beverages	36.89	134.83	134.49	135.90	136.63	136.75	137.79	142.27	141.28	141.28	141.35	142.02	143.31	5.52	5.05	3.96	3.45	3.85	4.00			
Housing, water, gas, electricity and other fuels Furnishing, household equipment and routine maintenance of the house 131.43 131.76 132.23 132.40 132.27 132.36 133.28 133.28 133.28 133.37 134.49 134.98 135.10 1.40 1.15 0.86 1.57 2.05 Health 4.68 109.59 109.59 109.98 110.47 110.51 110.47 111.00 111.00 111.00 111.00 113.55 114.58 1.29 1.29 0.93 0.48 2.75 Transport 11.98 129.99 129.72 129.29 129.72 128.63 128.80 127.40 128.18 128.02 127.01 127.75 131.18 -2.00 -1.19 -0.98 -2.08 -0.68	Alcholic beverages and narcotics	3.03	141.86	141.89	143.69	145.27	145.24	145.52	149.84	149.98	150.16	150.94	151.00	151.37	5.62	5.69	4.50	3.91	3.96	4.02			
Furnishing, household equipment and routine maintenance of the house 2.20 131.43 131.76 132.23 132.40 132.27 132.36 133.28 133.28 133.28 133.37 134.49 134.98 135.10 1.40 1.15 0.86 1.57 2.05 14ealth 4.68 109.59 109.59 109.59 109.98 110.47 110.51 110.47 111.00 111.00 111.00 111.00 111.00 111.00 112.75 131.18 -2.00 -1.19 -0.98 -2.08 -0.68	Clothing and footwear	9.20	130.86	130.75	131.45	131.99	131.73	132.00	134.55	134.63	134.58	135.36	135.80	135.87	2.81	2.97	2.38	2.56	3.08	2.93			
maintenance of the house 2.20 131.43 131.76 132.23 132.40 132.27 132.36 133.28 133.28 133.37 134.49 134.98 135.10 1.40 1.15 0.86 1.57 2.05 Health 4.68 109.59 109.59 109.98 110.47 110.51 110.47 111.00 111.00 111.00 111.00 113.55 114.58 1.29 1.29 0.93 0.48 2.75 Transport 11.98 129.99 129.72 129.29 129.72 128.63 128.80 127.40 128.18 128.02 127.01 127.75 131.18 -2.00 -1.19 -0.98 -2.08 -0.68		21.70	136.15	136.27	136.78	136.94	136.93	136.95	137.14	137.17	137.41	139.37	139.79	139.81	0.73	0.65	0.46	1.77	2.09	2.09			
Health 4.68 109.59 109.59 109.98 110.47 110.51 110.47 111.00 111.00 111.00 111.00 113.55 114.58 1.29 1.29 0.93 0.48 2.75 Transport 11.98 129.99 129.72 129.29 129.72 128.63 128.80 127.40 128.18 128.02 127.01 127.75 131.18 -2.00 -1.19 -0.98 -2.08 -0.68	1	2.20	121 42	121 70	122.22	122.40	122.27	122.26	122.20	122.20	122.27	124 40	124.00	125 10	1 40	1 15	0.00	1 57	3.05	2.08			
Transport 11.98 129.99 129.72 129.29 129.72 128.63 128.80 127.40 128.18 128.02 127.01 127.75 131.18 -2.00 -1.19 -0.98 -2.08 -0.68		1 68	 	 		 	 	 	 	 	 	<u> </u>		l						3.72			
								·		ł										1.85			
Communication 3.03 95.62 95.63 95.63 95.62 95.62 95.62 95.61 95.61 95.61 95.74 95.74 95.86 -0.01 -0.03 -0.02 0.12 0.12		3.03	95.62	95.63	95.63	95.62	95.62	95.62	95.61	95.61	95.61	95.74	95.74	95.86	-0.01	-0.03	-0.98	0.12	0.12	0.25			
Recreation and culture 2.35 111.57 111.58 111.64 111.55 111.63 111.81 111.91 111.94 112.07 112.34 112.36 0.31 0.29 0.27 0.47 0.63		-				 	 	 	 	 	 			l						0.25			
Education 1.64 135.69 136.63 136.63 136.63 136.63 140.11 141.20 141.20 141.20 141.20 3.25 3.25 3.35 3.35			†			+	-	 	i	<u> </u>	İ									3.35			
Restaurants and hotels 1.24 128.30 128.30 128.06 128.77 128.77 130.63 135.05 134.95 134.95 138.14 139.99 139.99 5.49 5.19 5.38 7.28 8.71		-		-	-	 	 	 	 	l	 	-		 						7.17			
Miscellaneous goods and services 2.06 127.04 127.12 128.09 128.73 128.75 129.33 130.52 130.72 130.73 131.14 131.18 131.44 2.73 2.83 2.07 1.87 1.89			 			t	 	 	 	ł	†									1.63			
All 100 130.80 130.67 131.41 131.90 131.79 132.25 134.23 134.00 134.05 134.54 135.18 136.16 2.62 2.55 2.01 2.00 2.58		-	-			-		-	-	 		-								2.95			

			Table	5: Year	r-on-yea	r Index	& Perce	ent Cha	nge: Fo	od Grou	ір									
							Percent change(%)													
				20	17					201	.8		2018							
Group	Weights	May	Jun	Jul	Aug	Sep	Oct	May	Jun	Jul	Aug	Sep	Oct	May	Jun	Jul	Aug	Sep	Oct	
Bread and Cereals	9.75	132.59	133.11	134.58	135.77	136.41	136.93	140.59	140.90	140.87	141.62	142.60	143.64	6.04	5.85	4.67	4.31	4.54	4.90	
Meat	3.10	137.63	137.63	138.35	139.38	140.12	141.71	145.49	145.66	146.34	147.07	147.73	148.07	5.71	5.83	5.78	5.52	5.43	4.49	
Fish	1.06	159.59	159.91	160.20	162.89	162.88	162.63	169.47	169.80	176.44	177.55	177.42	177.50	6.19	6.19	10.14	9.00	8.93	9.15	
Milk, cheese and eggs	6.88	128.44	128.88	128.37	128.26	128.09	128.97	133.87	135.27	135.26	135.60	136.11	138.77	4.23	4.95	5.36	5.73	6.26	7.59	
Oils and fats	3.19	116.37	116.43	117.47	118.12	118.01	118.17	119.05	119.02	119.05	119.54	119.94	120.43	2.30	2.22	1.34	1.20	1.63	1.91	
Fruit	1.68	133.95	133.39	135.27	134.75	133.69	135.75	150.53	145.91	144.55	141.48	141.36	144.09	12.38	9.39	6.86	5.00	5.74	6.14	
Vegetables	7.82	155.27	152.36	156.79	158.17	157.98	160.53	166.64	160.37	159.49	158.18	159.30	160.83	7.33	5.26	1.72	0.00	0.83	0.19	
Sugar, jam, honey etc	0.98	113.76	113.51	113.73	113.08	113.39	113.93	116.29	116.34	116.34	116.38	116.38	116.66	2.23	2.49	2.30	2.92	2.64	2.40	
Food products n.e.c	0.64	138.73	138.29	139.45	138.50	137.88	138.20	139.11	138.58	139.70	141.21	141.98	141.00	0.27	0.21	0.18	1.96	2.97	2.03	
Coffee, tea and cocoa	0.68	130.52	130.59	131.16	132.40	132.54	132.54	134.20	134.20	134.21	135.17	135.17	135.51	2.82	2.76	2.33	2.09	1.98	2.24	
Mineral water, softdrinks & juices	1.11	112.82	112.82	112.81	113.02	113.58	113.59	115.35	115.35	115.37	115.62	115.75	115.85	2.25	2.25	2.27	2.30	1.91	1.99	
Mineral water, softdrinks & juices	0.65	120.33	120.45	119.69	120.66	120.66	120.66	121.77	121.77	121.77	121.77	121.77	121.77	1.19	1.09	1.73	0.92	0.92	0.92	
Wine	0.44	124.45	124.45	124.52	124.53	124.53	124.55	123.15	123.15	123.15	123.16	123.16	123.16	-1.04	-1.04	-1.10	-1.10	-1.10	-1.12	
Beer	0.56	113.38	113.38	113.19	113.19	113.19	113.97	117.06	117.63	118.43	118.43	118.81	119.20	3.25	3.76	4.63	4.62	4.96	4.59	
Narcotics	1.38	175.06	175.06	180.58	184.26	184.19	184.45	194.42	194.42	194.42	196.64	196.53	197.34	11.06	11.06	7.66	6.72	6.70	6.99	

			Table 6	: Year-o	n-Year I	ndex &	Percent	t Chang	e: Non-	Food Gr	oup												
		Index (December 2012=100)														Percent Change(%)							
Group	Weights	2017 2018											2018										
Group	weights	May	Jun	Jul	Aug	Sep	Oct	May	Jun	Jul	Aug	Sep	Oct	May	Jun	Jul	Aug	Sep	Oct				
Clothing	6.24	131.42	131.47	132.39	133.22	132.92	133.29	135.06	135.09	135.02	135.26	135.42	135.53	2.77	2.75	1.99	1.53	1.88	1.68				
Footwear	2.96	129.70	129.24	129.50	129.44	129.28	129.32	133.48	133.66	133.66	135.58	136.60	136.60	2.92	3.42	3.21	4.74	5.66	5.63				
Housing (rental)	15.12	138.62	138.62	139.14	139.14	139.14	139.14	139.14	139.14	139.14	141.98	142.53	142.53	0.37	0.37	0.00	2.04	2.44	2.44				
Maintenancen & repair of the dwelling	1.88	114.76	114.76	114.83	115.50	115.29	115.42	115.95	115.95	115.95	115.99	116.15	116.15	1.04	1.04	0.97	0.42	0.75	0.63				
Electricity, gas & other fuels	4.54	138.72	139.31	140.01	140.44	140.48	140.53	141.22	141.34	142.55	142.56	142.69	142.81	1.80	1.46	1.82	1.51	1.58	1.62				
Furniture and furnishing, carpets and other floor coverings	0.37	122.33	122.33	122.33	124.42	123.95	124.29	127.23	127.23	127.23	127.66	129.03	129.03	4.00	4.00	4.00	2.60	4.10	3.81				
Household textiles	0.57	158.43	159.06	159.49	159.52	159.14	159.19	159.34	159.34	159.42	161.46	162.15	162.34	0.58	0.18	-0.04	1.21	1.89	1.98				
Household appliances	0.42	115.11	115.11	116.77	116.42	116.56	116.58	117.67	117.67	117.67	119.43	119.63	119.65	2.23	2.23	0.77	2.59	2.63	2.63				
Glassware, tableware & utensils	0.25	143.16	143.16	144.48	143.18	143.18	143.33	143.43	143.61	143.61	143.61	143.92	143.92	0.19	0.32	-0.60	0.30	0.51	0.41				
Tools and equipments for house and garden	0.24	118.46	118.46	118.48	117.80	117.80	117.80	118.08	118.00	118.49	118.83	119.01	119.35	-0.32	-0.39	0.01	0.88	1.03	1.32				
Goods and services for household maintenance	0.35	123.89	125.05	124.28	124.79	124.79	124.79	125.28	125.24	125.31	126.38	126.38	126.63	1.12	0.15	0.83	1.27	1.27	1.47				
Purchase of vehicles	4.58	146.24	146.24	146.24	146.24	143.04	143.04	145.16	145.16	145.16	145.16	145.16	145.16	-0.73	-0.73	-0.73	-0.73	1.48	1.48				
Fuels & Lubricants	3.11	110.17	109.28	107.62	109.24	109.24	109.80	109.18	111.78	111.18	111.91	114.20	117.37	-0.90	2.28	3.31	2.44	4.53	6.90				
Telephone and telefax equipment	0.17	91.13	91.42	91.33	91.25	91.25	91.25	90.93	90.93	90.93	93.28	93.28	95.38	-0.22	-0.53	-0.44	2.23	2.23	4.52				
Audio-visual, photographic & information processing equipments	0.48	107.36	107.36	107.38	107.55	107.55	107.65	107.54	107.54	107.54	107.59	107.59	107.60	0.16	0.16	0.15	0.03	0.03	-0.04				
Recreational & cultural services	0.92	100.35	100.35	100.35	100.36	100.39	100.39	100.39	100.39	100.39	100.51	100.52	100.52	0.04	0.04	0.04	0.15	0.13	0.13				
Newspapers, books & stationery	0.72	123.97	123.97	124.16	123.46	123.87	124.28	124.30	124.30	124.41	124.64	125.23	125.23	0.27	0.27	0.20	0.96	1.10	0.76				
Catering services	1.05	126.78	126.78	126.45	127.23	127.23	129.38	134.85	134.39	134.39	137.15	139.32	139.32	6.36	6.01	6.28	7.80	9.50	7.68				
Accommodation services	0.19	137.02	137.02	137.30	137.63	137.63	137.74	138.08	138.08	138.08	143.76	143.76	143.76	0.78	0.78	0.57	4.45	4.45	4.38				
Personal care	1.59	122.74	122.83	123.43	123.95	123.97	124.69	125.66	125.95	125.95	126.42	126.48	126.80	2.38	2.54	2.04	2.00	2.02	1.69				
Personal effects n.e.c	0.47	142.75	142.78	145.18	146.33	146.33	146.34	148.37	148.21	148.30	148.46	148.46	148.46	3.93	3.80	2.15	1.45	1.45	1.44				

	T	able 7:	Month-	-on-Moı	nth Inde	ex & Pe	rcent Ch	ange in	the CP	I (Natio	nal)											
				Percent Change(%)																		
Group					2018																	
Стоир	Weights	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct				
Food	39.92	142.42	142.92	142.76	142.83	141.92	141.93	142.05	142.68	143.90	0.36	-0.12	0.05	-0.63	0.01	0.09	0.44	0.86				
Non-Food	60.08	128.04	128.03	128.44	128.81	128.99	129.06	129.77	130.42	131.24	0.00	0.32	0.29	0.14	0.06	0.54	0.50	0.63				
Overall	100.00	133.59	133.78	133.98	134.23	134.00	134.05	134.54	135.18	136.16	0.14	0.14	0.19	-0.17	0.04	0.36	0.48	0.72				
Purchasing Power of Ngultrum (Nu.)		75	75 75 75 74 75 75 74 74 73																			
Table 8: Month-on-Month Index (Domestic)																						
			Index (December 2012=100)									Percent Change (%)										
Group						2018				2018												
Стоир	Weights	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct				
Food	17.77	146.02	146.16	145.66	145.79	144.45	144.39	144.01	144.50	146.50	0.09	-0.35	0.09	-0.92	-0.04	-0.26	0.34	1.39				
Non-Food	30.24	130.57	130.57	130.68	130.68	130.67	130.88	131.87	132.24	133.22	0.00	0.08	0.00	-0.01	0.16	0.75	0.28	0.74				
Domestic	48.01	136.09	136.14	136.04	136.08	135.61	135.73	136.24	136.65	137.99	0.04	-0.08	0.03	-0.35	0.09	0.38	0.30	0.98				
			Ta	able 9: I	Month-	on-Mon	th Perc	ent Cha	nge in t	he CPI (Import	:)										
				Ir	dex (De	cember	2012=10	0)					P	ercent C	hange (%)						
Group						2018								20	018							
Group	Weights	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct				
Food	22.15	139.43	140.22	140.32	140.34	139.76	139.84	140.35	141.09	141.69	0.57	0.07	0.01	-0.41	0.05	0.36	0.53	0.43				
Non-Food	29.84	125.51	125.51	126.21	126.94	127.30	127.24	127.67	128.60	129.27	0.00	0.56	0.58	0.28	-0.05	0.33	0.73	0.52				
Import	51.99	131.26	131.58	132.04	132.48	132.47	132.46	132.92	133.78	134.42	0.24	0.35	0.34	-0.01	0.00	0.35	0.64	0.48				

GRAPH 2: MONTH-TO-MONTH INFLATION RATE (OVERALL, DOMESTIC AND IMPORTED)



MONTH-TO-MONTH INFLATION RATE

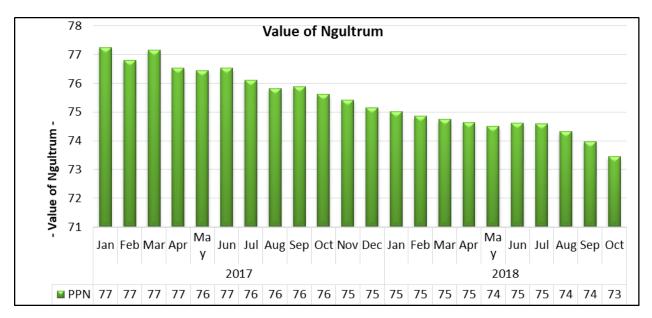
The CPI for October over previous month of September went up by 0.72% which is an increase of 0.24 percentage point as compared to that of September which was recorded at 0.48%. Both food and non-food prices recorded higher increase compared to previous month at 0.86% and 0.63% respectively.

Prices of local goods and services increased by 0.98%, higher than that of imported goods & services. The increase was mainly driven by food prices which went up 1.39% over previous month while non-food also recorded 0.74% increase. Imported commodities increased by 0.48% with corresponding increase in food and non-food by 0.43% and 0.52% respectively.

GRAPH 3: TIME SERIES INDEX LEVEL TREND







The PPN, as measured by CPI was 73 Ngultrum as of October 2018. This means, Ngultrum 100 in October 2018 is worth only Ngultrum 73 at December 2012 prices. The PPN has decreased by 2.87% in the past 12 months (i.e. from October 2017 to October 2018) due to price increase in the economy.

TECHNICAL NOTES

1. Concept and Definition of CPI

The Consumer Price Index (CPI) is a measure of changes in the average retail prices of a market basket of goods and services purchased by households for day-to-day living. It shows how much, on average, prices of goods and services have increased or decreased from a particular reference period, commonly known as the base period.

2. Uses of CPI

- ✓ As an economic indicator: CPI is one of the major indicators that determine the effectiveness of an economic policy. It is used to formulate fiscal and monetary policies and monitor their effect on the overall economy. Business executives, labor leaders, and other private citizens use CPI as a guide to make economic decisions.
- ✓ As a means of adjusting income payments: -Many collective bargaining agreements use CPI to determine wage rates, and index various payments to adjust the effects of inflation.
- ✓ As a deflator of economic series: CPI or its components is used as a deflator to adjust for price changes in various economic data series (e.g., GDP).

3. Weights

The weights reflect the relative importance or contribution to the total consumption expenditures of all households. It is determined using the spending patterns of households during some previous weight reference period.

It is important for the weights to reflect the current consumption patterns of the household. The more current the weights, the more reflective they are of current consumer spending patterns. The international standards recommend rebasing CPI every 5 years.

The current CPI weights were updated in 2012 following the conduct of the Bhutan Living Standard Survey (BLSS) in March – May 2012. Expenditure details were broken down into imported and domestic goods to facilitate calculation of domestic and imported inflation.

4. Reference Period

There is no single "base period" for a price index. It can mean different things to different users. In practice, there are three "reference periods" used.

- ✓ Weight Reference Period is the period during which household consumption values are collected. The weight-reference period for the new rebased CPI is 2012, that is, the period when the BLSS was conducted.
- ✓ Index Reference Period is the period when the index is set to 100. In the new CPI, the index reference period is December 2012.
- ✓ Price Reference Period is the period of the first price of each product used to calculate the elementary indices (indices for individual CPI items). The price reference period for the new CPI is the fourth Quarter 2012.

5. Index Calculation Formula

Geometric Modified Laspeyres formula is used to calculate the CPI:

$$_{P_{GYo}} = \prod_{i=1}^{n} \left(\frac{P_i^t}{P_i^0} \right)^{s_i^b}$$

 S_i^b = Expenditure Shares of the Base Period (weight from BLSS)

 P_i^t = Current Period Price

 P_i^0 = Previous Period Price

 $\left(\frac{P_i^t}{P_I^o}\right)$ = Price Relatives

6. Market Basket

Market basket refers to a sample of goods and services which is representative of all goods and services purchased by the households. The present market basket has 151 items (436 varieties) compared to 80 items (363 varieties) in the previous CPI basket. The new rebased CPI uses the Classification of Individual Consumption According to Purpose (COICOP). The 12 major groups are:

- 1. Food and Non-Alcoholics Beverages;
- 2. Alcoholic Beverages & Narcotics;

- 3. Clothing and Footwear;
- 4. Housing, Water, Electricity, Gas and Other Fuels;
- 5. Furnishing, Household Equipment and Routine Household Maintenance;
- 6. Health;
- 7. Transport;
- 8. Communication;
- 9. Recreation and Culture;
- 10. Education;
- 11. Restaurant and Hotels:
- 12. Miscellaneous Goods and Services.

7. Sample Outlets

Sample outlets are permanent establishments or retail shops from which monthly price of goods and services are collected or quoted. These include groceries, clothing and footwear, restaurants, hardware shops, vegetable vendors and service providers etc. The outlets are selected based on a set of pre-determined criteria. For current CPI, prices are collected from a sample of 557 outlets. Special procedures are applied to replace the outlets or the items, if they are no longer available or sold by the outlet.

8. Data Collection Method

Prices are collected online from the sampled outlets by price collectors using mobile application devices once every month.

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