

# NIGER STATE BUREAU OF STATISTICS (NSBS)

## Statistical News

### THE NIGER STATE CONSUMER PRICE INDEX (CPI) FROM JAN, 2016 - SEP, 2016)

#### BRIEF METHODOLOGY

The Consumer Price Index (CPI) measures the average change over time in prices of goods and services consumed by people for day-to-day living. The construction of the CPI combines economic theory, sampling and other statistical techniques using data from other surveys to produce a weighted measure of average price changes in the Nigerian economy. The weighting occurs to capture the importance of the selected commodities in the entire index. The Major requirement in the construction of the price index is the selection of the market basket of goods and services. The Niger State Bureau of Statistics (NSBS), collects monthly data of the prices of selected 200 goods and services through its Statistical staff based in the 25 Local Government Areas of the State for the computation of the CPI.

The first stage in the calculation of the CPI is the collection of prices on each item (more than 200 goods and services) from outlets in each sector (rural or urban) for each Local Government Area. Prices are then averaged for each item according to sector across the state. The next step is to use the average price to calculate the basic index for each commodity. The current year price of each commodity is compared with a base year's price to obtain a relative price.

Next we use the Laspeyres formula to compute an aggregated index for each group of items (comprising multitude of commodities which have similar consumption purposes). Here the sum of the product of weights (obtained from the expenditure survey) and relative prices for each item is divided by the sum of the weight of the items in that class, and the result multiplied by 100 gives the required index number. This index number is also classified as either the urban or rural for each of the 25 Local Government Areas. These items yield 85 classes and further reclassified into 12 Divisions to derive: 1. The Urban Composite index

2. The Rural Composite index
3. The Combined Urban and Rural (State Composite index)

All the computed indexes cover the period of Jan, 2015 – Feb, 2016 with Dec 2014 as the base period.

## **CLASSIFICATIONS OF GOOD AND SERVICES**

### **1. FOOD AND NON ALCOHOLIC BEVERAGES**

Food

Bread and cereals

Meat

Fish

Milk, cheese and eggs

Oils and fats

Fruit

Vegetables

Potatoes, Yam & other tubers

Food products n.e.c

Coffee, tea and cocoa

Soft drinks

### **2. ALCOHOLIC BEVERAGES, TOBACCO AND KOLA**

Spirits

Wine

Tobacco

Narcotics

### **3. CLOTHING AND FOOTWEAR**

Clothing materials, other articles of clothing

Garments

Cleaning, repair and hire of clothing

Shoes and other footwear

Repair and hire of footwear

### **4. HOUSING, WATER, ELECTRICITY, GAS**

Actual and imputed rentals for housing

Water supply

Miscellaneous services relating to the dwelling

Electricity

Gas

Liquid fuel

Solid fuels

## **5. FURNISHINGS, HOUSEHOLD EQUIPMENT**

Furniture and furnishings

Carpets and other floor coverings

Repair of Furniture

Household textiles

Major household appliances whether electric or not

Repair of household appliances

Statistical News

Glassware, tableware and household utensils

Non-durable household goods

Domestic services and household services

## **6. HEALTH**

Pharmaceutical products

Medical services

Dental services

Paramedical services

Hospital services

## **7. TRANSPORT**

Motor cars

Motor cycles

Bicycles

Vehicle spare parts

Fuels and lubricants for personal transportation

Maintenance and repair of personal transport

Passenger transport by road

Passenger transport by air

Passenger transport by sea and inland waterways

## **8. COMMUNICATION**

Postal services

Telephone and telefax equipment

Telephone and telefax services

## **9. RECREATION AND CULTURE**

Audio-visual, photographic and information processing equipments

Photographic development

Musical instrument

Recreational and sporting services

Games of chance

## **10. EDUCATION**

Books & stationery

## **11. RESTAURANTS AND HOTELS**

Catering services

Accommodation services

## **12. MISCELLANEOUS GOODS AND SERVICES**

Hairdressing salons and personal grooming establishments

Appliances, articles and products for personal care

Jewellery, clocks and watches

Insurance

Other services.

## ALL ITEMS INDEX

The combined composite consumer price index (for all items) of the state from January, 2015– March, 2015 (Year-on-Year) for both urban and rural is 150.18, 149.61, 156.23, 160.40, 162.21, 163.73, 166.98, 166.02 166.10, 156.70, 156.24 and 158.74 respectively. While that of Jan-Feb, 2016 are 162.73, 168.46 and 167.89.

The corresponding inflation rates (Jan 2015-Dec 2015) were computed as - 3.98%,2.77%,6.23%,8.65%,10.28%,9.57%,12.27%,10.73%,8.15%,0.30%,0.45%,2.07%, 8.36%, 12.60% and 7.47% respectively. While the corresponding inflation rates (Jan 2016 – Mar, 2016) were computed as 8.36%, 12.60% and 7.47%.

The combined consumer price index for the state (Year-on-Year) for both urban and rural Areas in Niger State was positive throughout the year. Thus, the inflation rate was very high at the month of July and August 2015.While later falls from the month of September to December 2015. Mean while inflation rate for state is very high at the month of at Feb 2016.

Hence, the marginal increment In all items index that result to inflation rate between July and August, 2015 can be attributed to Fasting and Sallah festival while the marginal decline in all items index that result to low inflation rate from September to December may be attributed to end of raining season and harvesting period of some food crops and vegetables. Thus, the marginal increment in all items index at the month of February, 2016 that result to high inflation rate can be attributed to increased in fuel scarcity in the country.

## FOOD INDEX

The composite consumer price indexes (food items) for the state from January, 2015 - December, 2015 (Year- on- Year) for both urban and rural are 150.39, 149.84, 157.10, 164.72, 164.43, 165.44, 165.64, 164.74, 145.08, 143.94 and 148.78 respectively.

While that of Jan-Feb, 2016 are 150.54.73, 160.25 and 161.05

The corresponding inflation rates (January-December, 2015) were computed as 6.07%, 4.64%, 8.96%, 13.69%, 14.54%, 13.39%, 13.59%, 11.87%, 10.12%, -4.45%, -3.84% and -0.72% respectively. While the corresponding inflation rates (Jan 2016 – Feb 2016) were computed as 0.10%, 6.95% and 2.52%. Mean while inflation rate for state is very high at the month of February, 2016.

The marginal increase in the food index that results to inflation rate from April to September 2015 can be attributed to Fasting and Sallah festival periods. While the marginal decrease in food index that result to deflation rate from October to December, 2015 can be attributed to the harvesting period of some food crops and vegetables. Thus, the marginal increment in food index at February, 2016 that result to high inflation rate can be attributed to increased in fuel scarcity in the country.

Year	Month	All Item			Food			Food and Non Alcoholic Beverages	Clothing and footwear	Alcoholic Beverages	Housing Water, Electricity, Gas and fuel	Furnishings. Household Equipment	Health	Transport	Communication	Recreation and Culture	Education	Restaurant and Hotels	Miscellaneous Goods and services
		Index	Month-on-Month % Change	Year-on-year % Change	Index	Month-on-Month % Change	Year-on-Year % Change	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index
2015	Jan	150.18	-3.43	3.98	150.39	0.35	6.07	150.18	131.48	179.42	189.37	126.91	159.65	119.48	121.81	123.56	102.43	140.85	157.25
	Feb	149.61	-0.38	2.77	149.84	-0.37	4.64	149.61	131.71	179.17	184.88	127.04	158.45	118.69	124.93	126.29	104.53	139.12	159.24
	Mar	156.23	4.42	6.23	157.10	4.84	8.96	151.44	132.24	186.19	191.88	127.62	178.02	119.30	126.92	127.67	103.76	137.71	160.73
	April	160.40	2.67	8.65	164.72	4.85	13.69	164.31	133.29	202.81	157.54	128.00	158.50	122.04	124.27	127.04	155.40	138.00	160.73
	May	162.21	1.13	10.28	164.43	-0.18	14.54	164.07	133.79	204.22	160.14	128.32	159.80	122.4	124.81	126.98	157.75	139.66	161.00
	June	163.73	0.94	9.57	165.44	0.61	13.39	165.07	134.08	204.55	160.14	128.32	159.80	122.04	131.47	127.14	158.18	139.99	161.78
	July	166.98	1.98	12.27	165.64	0.12	13.59	165.29	172.28	205.58	187.65	129.46	160.61	122.04	126.06	127.47	156.77	138.95	157.70
	Aug	166.02	-0.57	10.73	164.67	-0.59	11.87	164.36	153.91	204.93	185.64	129.73	161.00	122.04	126.06	127.61	160.63	139.34	157.91
	Sep	166.10	0.05	8.15	164.74	0.05	10.12	164.43	154.68	206.00	185.66	129.76	161.41	122.04	126.06	127.61	161.65	139.35	157.91
	Oct	156.70	-5.66	-0.30	145.08	-11.94	-4.45	145.05	172.19	168.37	185.73	135.13	161.41	130.79	126.06	127.47	169.37	144.06	157.91
	Nov	156.24	-0.29	-0.45	143.94	-0.78	-3.84	143.92	172.78	168.73	186.34	133.12	160.43	130.79	127.06	127.61	166.31	143.49	157.91
	Dec	158.74	1.60	2.07	148.78	3.37	-0.72	148.72	175.28	167.34	186.54	133.12	154.23	130.79	129.06	127.61	164.18	139.35	157.91
2016	Jan	162.73	2.51	8.36	150.54	1.18	0.10	150.44	174.15	185.42	207.76	184.09	153.98	188.15	88.19	145.30	141.35	121.55	168.61
	Feb	168.46	3.52	12.60	160.25	6.45	6.95	160.13	175.51	198.38	209.80	187.92	157.76	188.51	86.41	144.92	142.33	128.27	170.00

	Mar	167.89	-0.33	7.47	161.05	0.50	2.52	160.91	174.84	192.32	206.10	187.58	157.81	88.35	83.12	146.04	147.82	125.91	176.25
	APR	186.40	11.02	16.21	163.21	1.34	-0.92	163.07	179.85	193.48	212.15	159.84	158.71	123.73	91.05	190.16	149.81	128.11	179.95
	May	192.25	3.14	18.52	169.72	3.99	3.22	169.55	186.82	195.26	219.21	164.51	180.10	124.77	98.65	190.90	152.71	131.76	185.19
	June	200.68	4.38	22.57	178.73	5.31	8.04	178.49	213.37	197.32	229.10	166.96	176.56	131.47	110.35	191.43	155.38	134.97	190.66
	Jul	208.20	3.75	24.69	188.40	5.41	13.74	188.08	21938	199.22	235.40	170.36	173.81	133.15	122.39	192.18	158.20	137.46	194.53
	Aug	214.63	3.09	29.28	194.96	3.48	18.40	194.61	223.91	203.05	245.74	175.26	166.92	134.67	135.12	192.86	161.21	139.83	198.61
	Sep	218.79	1.94	31.72	199.16	2.16	20.89	198.81	229.23	190.13	255.10	176.22	163.10	136.49	141.61	193.42	163.33	141.81	202.71