

Month: August 2023

Consumer Price Index (CPI), Inflation Rate and Wage Rate Index (WRI) in Bangladesh

**Published by:
Price & Wage Statistics Section
National Accounting Wing
Bangladesh Bureau of Statistics (BBS)
E-27/A, Agargaon, Dhaka-1207**

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Director General
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Ministry of Planning

Preface

Bangladesh Bureau of Statistics (BBS) as the National Statistical Organization (NSO) has been engaged in collecting, collating and disseminating statistics on a wide range of economic, social, demographic and environmental variables. Monthly Release on Consumer Price Index (CPI), Inflation Rate and Wage Rate Index (WRI) is a regular publication along with the average prices of some selected commodities in the capital city of Dhaka. The present report is the 344th series of this publication.

Two independent sets of commodities (goods & services) are used to compute CPIs for rural and urban areas. The rural & urban both baskets covers 383 items with 749 varieties of goods & services. This index has been rebased with 2021-22 as reference index. The national CPI is calculated by combining the urban and rural indices using weight factors based on the Classification of Individual Consumption by Purpose (COICOP). The CPI items for the national and sub-national indices are classified into 12 major categories such as (i) Food and Nonalcoholic Beverages (ii) Alcoholic Beverages, Tobacco and Narcotics (iii) Clothing and Footwear (iv) Housing, Water, Electricity, Gas, and Other Fuels (v) Furnishings, Household Equipment, and Routine Maintenance of the House (vi) Health (vii) Transportation (viii) Communication (ix) Recreation and Culture (x) Education (xi) Restaurants and Hotels and (xii) Miscellaneous Goods and Services

WRI is intended to measure the movement of nominal wages of low paid skilled and unskilled labour over time in different sectors of the economy. This index has been rebased with 2010-11 as base year. Monthly wages for specific 44 occupations (11 from the agriculture, 22 from the industry and the rest 11 from service sector) are considered for calculation of WRI.

I believe that the Monthly Release of Consumer Price Index (CPI), Inflation Rate and Wage Rate Index (WRI) in Bangladesh would be a useful document for the planners, policy makers, academicians, researchers, development partners/agencies and other stakeholders.

My great appreciation is due to the officials of BBS at the Head Office and also to the field-level Statistical Office for their relentless efforts to make the work a success.

Any comments/suggestions would be highly appreciated.

Md. Matiar Rahman

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Acronyms

BBS	Bangladesh Bureau of Statistics
BMPI	Building Materials Price Index
BSCO	Bangladesh Standard Classification of Occupation
BSIC	Bangladesh Standard Industrial Classification
CPI	Consumer Price Index
GDP	Gross Domestic Product
GNP	Gross National Product
GNI	Gross National Income
HRI	House Rent Index
ISCO	International Standard Classification of Occupation
LFS	Labour Force Survey
NSO	National Statistical Organization
SID	Statistics and Informatics Division
WPI	Wholesale Price Index
WRI	Wage Rate Index

Chapter 1

Consumer Price Index (CPI) and Inflation Rate

1.1 Introduction:

The Bangladesh Bureau of Statistics (BBS) as the national statistical organization (NSO) has been engaged in collecting, collating and disseminating statistics on a wide range of economic, social, demographic and environmental variables. It brings out various regular and adhoc publications and reports for dissemination of generated data. There has been persistent attempt to satisfy the data needs of the country by undertaking initiatives to generate timely, relevant and quality statistics. This Monthly Advance Release is an addition to its on-going efforts to satisfy the needs for relevant data by the Government and other stakeholders. The Release is designed to provide a regular update on monthly price and wage situation in the country. It focuses on (i) consumer price index and (ii) inflation.

1.2 Consumer Price Index (CPI):

The consumer price index (CPI) reflects the average change over time in the prices of a specified set of final commodities and services representing the market basket of a given group of consumers.

1.3 Classification:

Food and Non-food CPIs for national, urban and rural groups are classified by (i) Food and Nonalcoholic Beverages (ii) Alcoholic Beverages, Tobacco and Narcotics (iii) Clothing and Footwear (iv) Housing, Water, Electricity, Gas, and Other Fuels (v) Furnishings, Household Equipment, and Routine Maintenance of the House (vi) Health (vii) Transportation (viii) Communication (ix) Recreation and Culture (x) Education (xi) Restaurants and Hotels and (xii) Miscellaneous Goods and Services.

1.4 Aggregation:

The indices are shown by general aggregation and separately by food and non-food groups. The Release includes CPI for three groups of population: (1) national, (2) urban and (3) rural. National, urban and rural CPIs have been constructed with 2021-22 as the base year. The base year weights have been derived from the Household Income and Expenditure Survey (HIES), 2016-17.

1.5 Index Basket and Weights:

For computation of CPIs, two consumer baskets are used: (i) urban basket and (ii) rural basket. These baskets items (goods and services) were determined based on HIES, 2016-17 for private consumption of population. The rural & urban both baskets covers 383 items with 749 varieties of food and non-food items (goods and services). The items weights in the base year were derived on the basis of the average expenditure incurred by a household on the item expressed in terms of its percentage share in the total expenditure on all items. The index basket is divided into twelve major groups of items.

CPIs are calculated at two stages:

First, Elementary Indexes are compiled using Jevons formula & chained Jevons.

$$I_j^{0:t} = \frac{\prod(p_i^t)^{\frac{1}{n}}}{\prod(p_i^0)^{\frac{1}{n}}}$$

Where, 0 and t are two periods

$$I_{jc}^{0:t} = \prod \left(\frac{p_i^t}{p_i^0} \right)^{\frac{1}{n}} = \frac{\prod(p_i^1)^{\frac{1}{n}} \prod(p_i^2)^{\frac{1}{n}} \dots \prod(p_i^t)^{\frac{1}{n}}}{\prod(p_i^0)^{\frac{1}{n}} \prod(p_i^1)^{\frac{1}{n}} \dots \prod(p_i^{t-1})^{\frac{1}{n}}} = \frac{\prod(p_i^t)^{\frac{1}{n}}}{\prod(p_i^0)^{\frac{1}{n}}} = \prod \left(\frac{p_i^t}{p_i^0} \right)^{\frac{1}{n}}$$

Second, Higher-level indexes are compiled using the Modified Young's formula.

$$I_{MY}^{0:t} = \sum w_j^b I_j^{0:t-1} I_j^{t-1:t}, \quad \sum w_j^b = 1$$

Where,

$$I_Y^{0:t} = \sum w_i^b \cdot \left(\frac{p_i^t}{p_i^0} \right), \quad w_i^b = \frac{p_i^b \cdot q_i^b}{\sum p_i^b \cdot q_i^b}$$

Inflation Rate:

$$IR = \frac{I_2 - I_1}{I_1} \times 100$$

Where,

IR = Inflation Rate

I2 = Index in the current year/month

I1 = Index in the previous year/month

1.6 Price Collection Procedure:

BBS collects price data from 154 [90 from urban (12 from Dhaka City, 04 from Chattogram City, 18 from Other 06 Divisional City, 56 from other 56 Districts) and 64 from rural in 64 Districts] main markets across the country. Three price quotes per items with varieties are collected from each of the market. Both of rural and urban, Prices of 127 food items with 242 varieties as well as 256 non-food items with 507 varieties are collected. In collecting prices, rural and urban is monthly and Dhaka & Chattogram City Corporation is weekly each month. Data are usually collected from selected shops in each market or selected units or service providers in case of services. In constructing price indices, the average price for each item is considered.

Table: 1.1 Consumer Price Index (CPI) and Inflation Rate (Point to Point)

CPI Classification	2020-21	2021-22	2022-23	(Base Index 2005-06 =100)			(Base Index 2021-22 =100)		
				2021-22			2022-23		
				Jun'22	Jul'22	Aug'22	Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7	8	9	10
NATIONAL									
General index	288.44	306.18	109.02	313.76	315.13	326.06	112.46	112.89	117.06
<i>Inflation</i>	<i>5.56</i>	<i>6.15</i>	<i>9.02</i>	<i>7.56</i>	<i>7.48</i>	<i>9.52</i>	<i>9.74</i>	<i>9.69</i>	<i>9.92</i>
Food index	313.86	332.86	108.71	340.48	341.91	355.16	112.25	112.74	120.08
<i>Inflation</i>	<i>5.73</i>	<i>6.05</i>	<i>8.71</i>	<i>8.37</i>	<i>8.19</i>	<i>9.94</i>	<i>9.73</i>	<i>9.76</i>	<i>12.54</i>
Non-food index	255.85	271.98	109.39	279.50	280.80	288.76	112.63	113.02	114.61
<i>Inflation</i>	<i>5.29</i>	<i>6.31</i>	<i>9.39</i>	<i>6.33</i>	<i>6.39</i>	<i>8.85</i>	<i>9.60</i>	<i>9.47</i>	<i>7.95</i>
RURAL									
General index	286.37	304.76	109.08	312.32	313.63	323.85	112.55	112.95	116.87
<i>Inflation</i>	<i>5.59</i>	<i>6.42</i>	<i>9.08</i>	<i>8.09</i>	<i>8.02</i>	<i>9.70</i>	<i>9.82</i>	<i>9.75</i>	<i>9.98</i>
Food index	306.40	326.34	108.79	333.83	335.19	346.75	112.47	112.80	119.76
<i>Inflation</i>	<i>5.99</i>	<i>6.51</i>	<i>8.79</i>	<i>8.93</i>	<i>8.79</i>	<i>9.98</i>	<i>9.95</i>	<i>9.82</i>	<i>12.71</i>
Non-food index	254.51	270.42	109.54	278.08	279.32	287.41	112.62	113.09	114.13
<i>Inflation</i>	<i>4.85</i>	<i>6.25</i>	<i>9.54</i>	<i>6.51</i>	<i>6.58</i>	<i>9.18</i>	<i>9.52</i>	<i>9.48</i>	<i>7.38</i>
URBAN									
General index	292.27	308.81	108.87	316.43	317.90	330.15	112.15	112.65	117.21
<i>Inflation</i>	<i>5.49</i>	<i>5.66</i>	<i>8.87</i>	<i>6.62</i>	<i>6.51</i>	<i>9.18</i>	<i>9.45</i>	<i>9.43</i>	<i>9.63</i>
Food index	332.08	348.75	108.52	356.70	358.28	375.67	111.76	112.62	120.76
<i>Inflation</i>	<i>5.15</i>	<i>5.02</i>	<i>8.52</i>	<i>7.11</i>	<i>6.84</i>	<i>9.87</i>	<i>9.26</i>	<i>9.63</i>	<i>12.11</i>
Non-food index	257.64	274.07	109.13	281.39	282.78	290.55	112.40	112.67	115.00
<i>Inflation</i>	<i>5.88</i>	<i>6.38</i>	<i>9.13</i>	<i>6.08</i>	<i>6.15</i>	<i>8.42</i>	<i>9.47</i>	<i>9.20</i>	<i>8.48</i>

Note : Figures in italics indicate inflation over previous year/month

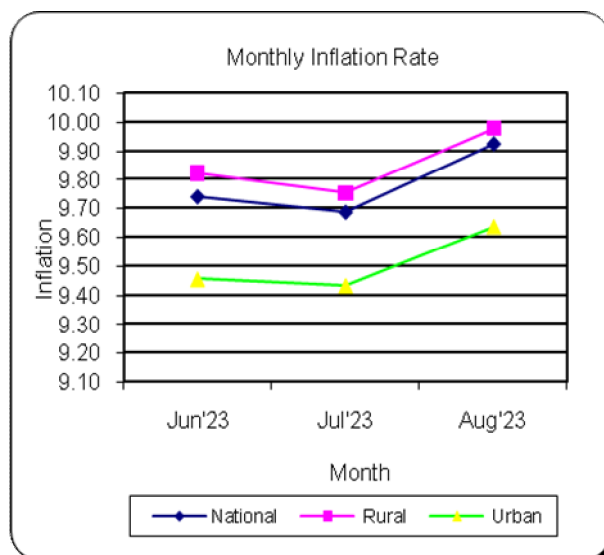
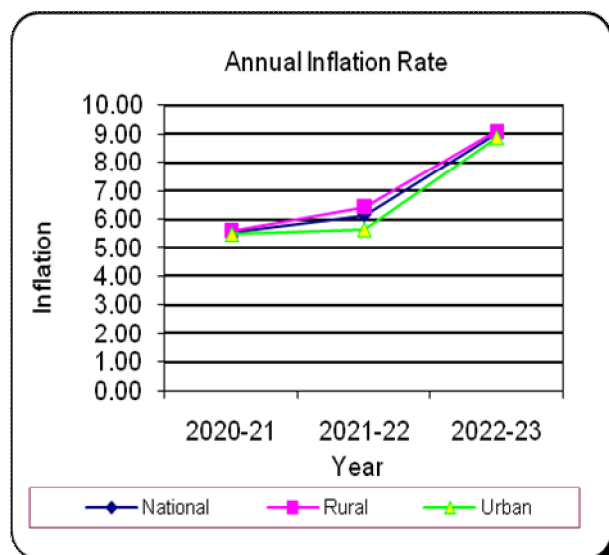


Table: 1.2 Monthly and average inflation rate of CPI from Sep'22 to Aug'23
(12 Months moving average)
(Base Index: 2005-06=100)

12 Months Average		12 Months Average		Inflation
Period	Average	Period	Average	
1	2	3	4	5
Sep'21-Aug'22	310.37	Sep'20-Aug'21	290.99	6.66
Oct'21-Sep'22	312.68	Oct'20-Sep'21	292.33	6.96
Nov'21-Oct'22	314.96	Nov'20-Oct'21	293.71	7.23
Dec'21-Nov'22	317.22	Dec'20-Nov'21	295.15	7.48
Jan'22-Dec'22	319.43	Jan'21-Dec'21	296.60	7.70
Feb'22-Jan'23	321.62	Feb'21-Jan'22	298.02	7.92
Mar'22-Feb'23	323.88	Mar'21-Feb'22	299.51	8.14
Apr'22-Mar'23	326.29	Apr'21-Mar'22	301.02	8.39
(Base Index: 2021-22=100)				
May'22-Apr'23	107.35	May'21-Apr'22	98.82	8.64
Jun'22-May'23	108.19	Jun'21-May'22	99.40	8.84
Jul'22-Jun'23	109.02	Jul'21-Jun'22	100.00	9.02
Aug'22-Jul'23	109.85	Aug'21-Jul'22	100.60	9.20
Sep'22-Aug'23	110.73	Sep'21-Aug'22	101.37	9.24
Sep'22-Aug'23			9.24	

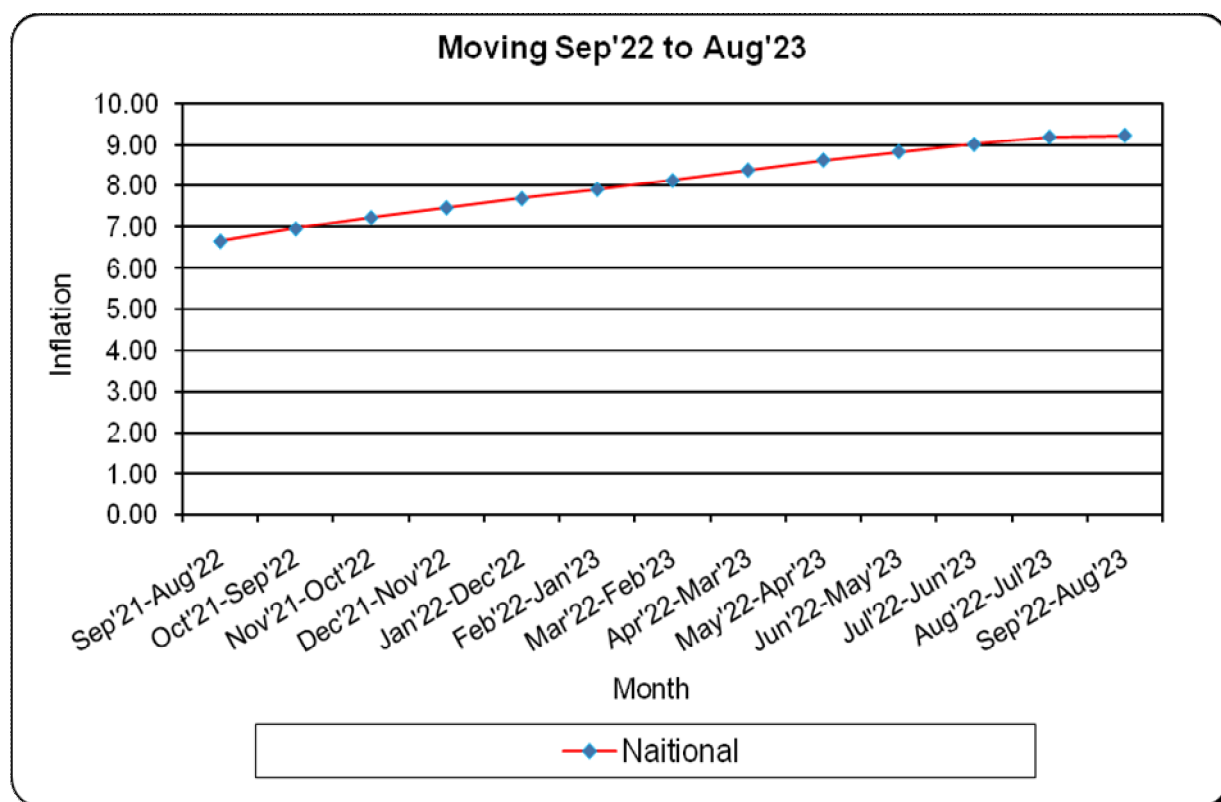


Table: 1.3 Consumer Price Index (CPI): National (Over Previous YoY & MoM)

CPI Classification	2020-21	2021-22	2022-23	(Base Index 2005-06 =100)			(Base Index 2021-22 =100)		
				2021-22			2022-23		
				Jun'22	Jul'22	Aug'22	Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7	8	5	6
General Index	288.44	306.18	109.02	313.76	315.13	326.06	112.46	112.89	117.06
<i>Inflation (YoY)</i>	5.56	6.15	9.02	7.56	7.48	9.52	9.74	9.69	9.92
<i>Inflation (MoM)</i>	*	*	*	1.45	0.44	3.47	1.26	0.39	3.69
Food	313.86	332.86	108.71	340.48	341.91	355.16	112.25	112.74	120.08
<i>Inflation (YoY)</i>	5.73	6.05	8.71	8.37	8.19	9.94	9.73	9.76	12.54
<i>Inflation (MoM)</i>	*	*	*	1.93	0.42	3.88	2.39	0.44	6.51
Non-Food	255.85	271.98	109.39	279.50	280.80	288.76	112.63	113.02	114.61
<i>Inflation (YoY)</i>	5.29	6.31	9.39	6.33	6.39	8.85	9.60	9.47	7.95
<i>Inflation (MoM)</i>	*	*	*	0.69	0.47	2.83	0.37	0.34	1.41
Division Wise (COICOP)									
01. Food and Nonalcoholic Beverages	313.86	332.86	108.71	340.48	341.91	355.16	112.25	112.74	120.08
<i>Inflation (YoY)</i>	5.73	6.05	8.71	8.37	8.19	9.94	9.73	9.76	12.54
<i>Inflation (MoM)</i>	*	*	*	1.93	0.42	3.88	2.39	0.44	6.51
02. Alcoholic Beverages, Tobacco and Narcotics	*	*	*	*	*	*	117.77	117.90	116.06
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.56	0.11	-1.56
03. Clothing and Footwear	298.14	320.14	106.71	331.09	332.97	334.36	108.40	108.88	112.53
<i>Inflation (YoY)</i>	2.81	7.38	6.71	8.20	8.42	7.74	4.82	4.69	7.75
<i>Inflation (MoM)</i>	*	*	*	0.51	0.57	0.42	0.21	0.44	3.35
04. Housing, Water, Electricity, Gas, and Other Fuels	228.29	232.43	108.25	235.48	235.87	247.15	113.39	113.84	113.80
<i>Inflation (YoY)</i>	3.44	1.81	8.25	3.90	3.85	8.37	11.92	12.17	7.02
<i>Inflation (MoM)</i>	*	*	*	0.20	0.17	4.78	0.88	0.40	-0.03
05. Furnishings, Household Equipment, and Routine Maintenance of the House	298.15	320.30	109.68	331.02	331.60	336.03	114.03	114.22	119.77
<i>Inflation (YoY)</i>	5.48	7.43	9.68	7.14	6.94	7.74	10.34	10.33	14.17
<i>Inflation (MoM)</i>	*	*	*	0.80	0.18	1.34	0.09	0.17	4.86
06. Health	247.86	253.62	114.09	255.62	256.22	280.11	109.52	109.92	110.50
<i>Inflation (YoY)</i>	7.73	2.32	14.09	1.47	1.49	10.86	8.67	8.80	0.05
<i>Inflation (MoM)</i>	*	*	*	0.22	0.24	9.32	0.02	0.36	0.53
07. Transportation	271.45	313.00	109.67	324.72	325.44	333.15	110.52	110.64	115.73
<i>Inflation (YoY)</i>	9.24	15.31	9.67	9.22	8.27	10.38	6.54	6.41	8.74
<i>Inflation (MoM)</i>	*	*	*	1.23	0.22	2.37	0.13	0.10	4.61

CPI Classification	2020-21	2021-22	2022-23	(Base Index 2005-06 =100)			(Base Index 2021-22 =100)		
				2021-22			2022-23		
				Jun'22	Jul'22	Aug'22	Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7	8	5	6
08. Communication	*	*	*	*	*	*	106.64	106.65	104.51
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.00	0.01	-2.00
09. Recreation and Culture	193.61	202.60	108.58	210.30	211.78	213.44	114.94	115.53	118.69
<i>Inflation (YoY)</i>	1.83	4.64	8.58	7.00	7.50	8.09	10.74	10.53	12.66
<i>Inflation (MoM)</i>	*	*	*	1.36	0.71	0.78	0.25	0.51	2.73
10. Education	*	*	*	*	*	*	109.37	109.68	109.68
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.00	0.28	0.00
11. Restaurants and Hotels	*	*	*	*	*	*	137.45	138.91	135.06
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.65	1.07	-2.78
12. Miscellaneous Goods and Services	288.53	312.28	112.05	325.49	331.52	331.52	111.96	112.60	114.60
<i>Inflation (YoY)</i>	11.28	8.23	12.05	7.84	9.51	10.39	7.42	6.06	6.65
<i>Inflation (MoM)</i>	*	*	*	1.35	1.85	1.85	0.08	0.57	1.78

Note : Figures in italics indicate inflation over previous year/month

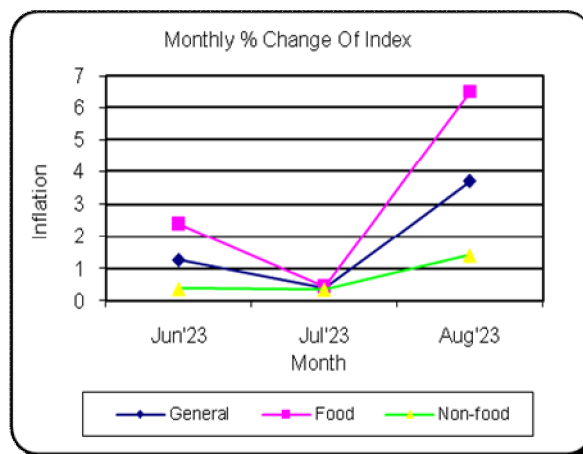
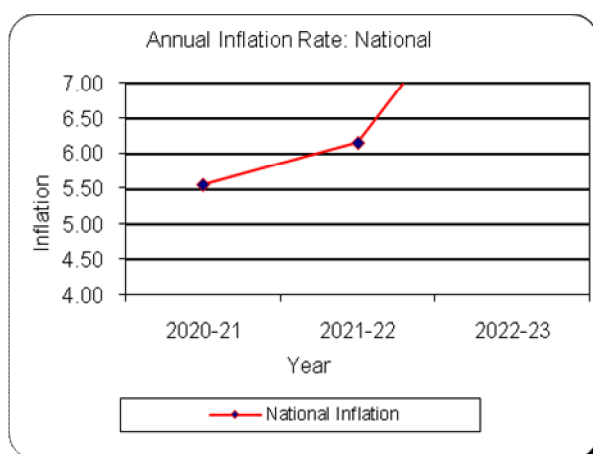


Table: 1.4 Consumer Price Index (CPI): Rural (Over Previous YoY & MoM)

CPI Classification	2020-21	2021-22	2022-23	(Base Index 2005-06 =100)			(Base Index 2021-22 =100)		
				2021-22			2022-23		
				Jun'22	Jul'22	Aug'22	Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7	8	5	6
General Index	286.37	304.76	109.08	312.32	313.63	323.85	112.55	112.95	116.87
<i>Inflation (YoY)</i>	5.59	6.42	9.08	8.09	8.02	9.70	9.82	9.75	9.98
<i>Inflation (MoM)</i>	*	*	*	1.27	0.42	3.26	1.25	0.36	3.47
Food	306.40	326.34	108.79	333.83	335.19	346.75	112.47	112.80	119.76
<i>Inflation (YoY)</i>	5.99	6.51	8.79	8.93	8.79	9.98	9.95	9.82	12.71
<i>Inflation (MoM)</i>	*	*	*	1.58	0.41	3.45	2.17	0.29	6.17
Non-Food	254.51	270.42	109.54	278.08	279.32	287.41	112.62	113.09	114.13
<i>Inflation (YoY)</i>	4.85	6.25	9.54	6.51	6.58	9.18	9.52	9.48	7.38
<i>Inflation (MoM)</i>	*	*	*	0.69	0.45	2.90	0.40	0.42	0.92
Division Wise (COICOP)									
01. Food and Nonalcoholic Beverages	306.40	326.34	108.79	333.83	335.19	346.75	112.47	112.80	119.76
<i>Inflation (YoY)</i>	5.99	6.51	8.79	8.93	8.79	9.98	9.95	9.82	12.71
<i>Inflation (MoM)</i>	*	*	*	1.58	0.41	3.45	2.17	0.29	6.17
02. Alcoholic Beverages, Tobacco and Narcotics	*	*	*	*	*	*	118.81	118.95	114.58
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.67	0.13	-3.67
03. Clothing and Footwear	298.86	318.29	106.63	329.96	331.65	332.69	107.00	107.44	110.43
<i>Inflation (YoY)</i>	2.27	6.50	6.63	8.02	8.16		3.22	3.11	5.65
<i>Inflation (MoM)</i>	*	*	*	0.57	0.51	0.31	0.22	0.41	2.78
04. Housing, Water, Electricity, Gas, and Other Fuels	220.23	223.88	109.32	226.87	227.11	241.96	114.54	115.25	115.52
<i>Inflation (YoY)</i>	3.67	1.66	9.32	4.70	4.44		13.03	13.60	6.89
<i>Inflation (MoM)</i>	*	*	*	0.11	0.11	6.54	1.02	0.61	0.24
05. Furnishings, Household Equipment, and Routine Maintenance of the House	286.65	308.52	108.99	319.12	320.01	321.09	114.81	115.02	121.02
<i>Inflation (YoY)</i>	3.28	7.63	8.99	7.24	7.15		11.00	10.89	16.28
<i>Inflation (MoM)</i>	*	*	*	1.22	0.28	0.34	0.10	0.19	5.21
06. Health	264.04	269.97	116.61	271.76	271.84	301.37	109.34	109.75	110.07
<i>Inflation (YoY)</i>	8.93	2.25	16.61	1.29	1.04		8.62	8.99	-1.40
<i>Inflation (MoM)</i>	*	*	*	0.09	0.03	10.87	0.02	0.37	0.29
07. Transportation	234.11	274.69	108.62	234.08	285.68	287.92	110.68	110.85	115.43
<i>Inflation (YoY)</i>	7.86	17.33	8.62	10.26	9.52		6.58	6.59	10.13
<i>Inflation (MoM)</i>	*	*	*	0.74	0.14	0.79	0.16	0.15	4.13

CPI Classification	2020-21	2021-22	2022-23	(Base Index 2005-06 =100)			(Base Index 2021-22 =100)		
				2021-22			2022-23		
				Jun'22	Jul'22	Aug'22	Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7	8	5	6
08. Communication	*	*	*	*	*	*	105.22	105.23	102.42
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.00	0.01	-2.67
09. Recreation and Culture	214.52	225.50	108.10	234.08	235.76	236.55	114.63	115.40	117.42
<i>Inflation (YoY)</i>	2.68	5.12	8.10	6.63	7.13		10.43	10.37	11.93
<i>Inflation (MoM)</i>	*	*	*	1.40	0.72	0.34	0.33	0.67	1.75
10. Education	*	*	*	*	*	*	106.19	106.54	106.54
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.00	0.33	0.00
11. Restaurants and Hotels	*	*	*	*	*	*	134.77	136.07	130.70
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.52	0.96	-3.95
12. Miscellaneous Goods and Services	305.80	332.14	111.24	345.61	352.18	353.55	111.96	112.63	112.78
<i>Inflation (YoY)</i>	10.94	8.61	11.24	7.24	9.09		7.60	6.22	5.95
<i>Inflation (MoM)</i>	*	*	*	1.61	1.90	0.39	0.08	0.60	0.13

Note : Figures in italics indicate inflation over previous year/month

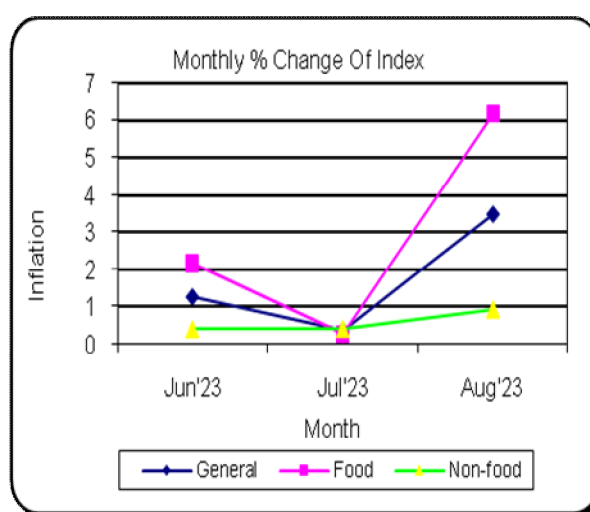
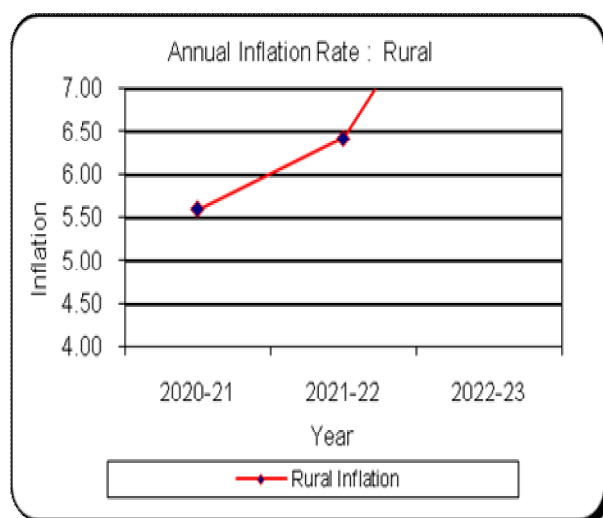


Table: 1.5 Consumer Price Index (CPI): Urban (Over Previous YoY & MoM)

CPI Classification	2020-21	2021-22	2022-23	(Base Index 2005-06 =100)			(Base Index 2021-22 =100)		
				2021-22			2022-23		
				Jun'22	Jul'22	Aug'22	Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7	8	5	6
General Index	292.27	308.81	108.87	316.43	317.90	330.15	112.15	112.65	117.21
<i>Inflation (YoY)</i>	5.49	5.66	8.87	6.62	6.51	9.18	9.45	9.43	9.63
<i>Inflation (MoM)</i>	*	*	*	1.76	0.47	3.85	1.28	0.45	4.05
Food	332.08	348.75	108.52	356.70	358.28	375.67	111.76	112.62	120.76
<i>Inflation (YoY)</i>	5.15	5.02	8.52	7.11	6.84	9.87	9.26	9.63	12.11
<i>Inflation (MoM)</i>	*	*	*	2.75	0.44	4.85	2.88	0.77	7.23
Non-Food	257.64	274.07	109.13	281.39	282.78	290.55	112.40	112.67	115.00
<i>Inflation (YoY)</i>	5.88	6.38	9.13	6.08	6.15	8.42	9.47	9.20	8.48
<i>Inflation (MoM)</i>	*	*	*	0.70	0.49	2.75	0.31	0.24	2.07
Division Wise (COICOP)									
01. Food and Nonalcoholic Beverages	332.08	348.75	108.52	356.70	358.28	375.67	111.76	112.62	120.76
<i>Inflation (YoY)</i>	5.15	5.02	8.52	7.11	6.84	9.87	9.26	9.63	12.11
<i>Inflation (MoM)</i>	*	*	*	2.75	0.44	4.85	2.88	0.77	7.23
02. Alcoholic Beverages, Tobacco and Narcotics	*	*	*	*	*	*	115.23	115.31	119.66
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.30	0.07	3.78
03. Clothing and Footwear	296.78	323.66	106.87	333.24	335.49	337.53	111.09	111.65	116.52
<i>Inflation (YoY)</i>	3.83	9.06	6.87	8.54	8.92	7.32	7.89	7.72	11.74
<i>Inflation (MoM)</i>	*	*	*	0.40	0.67	0.61	0.20	0.51	4.36
04. Housing, Water, Electricity, Gas, and Other Fuels	237.63	242.32	107.07	245.44	246.01	253.16	112.04	112.18	111.79
<i>Inflation (YoY)</i>	3.20	1.98	7.07	3.07	3.23	6.04	10.61	10.50	7.01
<i>Inflation (MoM)</i>	*	*	*	0.29	0.24	2.91	0.70	0.13	-0.35
05. Furnishings, Household Equipment, and Routine Maintenance of the House	318.36	341.00	110.75	351.94	351.99	362.30	112.61	112.77	117.49
<i>Inflation (YoY)</i>	9.15	7.11	10.75	6.99	6.62	8.99	9.11	9.24	10.58
<i>Inflation (MoM)</i>	*	*	*	0.13	0.02	2.93	0.08	0.14	4.19
06. Health	220.17	225.63	108.92	227.98	229.50	243.72	109.87	110.26	111.37
<i>Inflation (YoY)</i>	5.36	2.48	8.92	1.84	2.40	8.52	8.74	8.40	3.10
<i>Inflation (MoM)</i>	*	*	*	0.48	0.67	6.20	0.02	0.36	1.00
07. Transportation	312.59	355.22	110.56	368.20	369.26	383.00	110.36	110.43	116.39
<i>Inflation (YoY)</i>	10.41	13.64	10.56	8.35	7.23	10.98	6.47	6.23	7.95
<i>Inflation (MoM)</i>	*	*	*	1.66	0.29	3.72	0.10	0.07	5.40

CPI Classification	2020-21	2021-22	2022-23	(Base Index 2005-06 =100)			(Base Index 2021-22 =100)		
				2021-22			2022-23		
				Jun'22	Jul'22	Aug'22	Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7	8	5	6
08. Communication	*	*	*	*	*	*	108.86	108.87	107.78
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.00	0.01	-1.00
09. Recreation and Culture	171.05	177.90	109.33	184.64	185.92	188.51	115.74	116.01	120.90
<i>Inflation (YoY)</i>	0.73	4.00	9.33	7.51	8.03	9.05	11.51	11.00	14.09
<i>Inflation (MoM)</i>	*	*	*	1.31	0.69	1.39	0.11	0.23	4.22
10. Education	*	*	*	*	*	*	110.24	110.54	110.54
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.00	0.27	0.00
11. Restaurants and Hotels	*	*	*	*	*	*	141.63	143.40	141.24
<i>Inflation (YoY)</i>	*	*	*	*	*	*	*	*	*
<i>Inflation (MoM)</i>	*	*	*	*	*	*	0.77	1.25	-1.51
12. Miscellaneous Goods and Services	267.20	287.76	113.16	300.64	306.02	313.36	111.77	112.35	116.69
<i>Inflation (YoY)</i>	11.77	7.70	13.16	8.70	10.13	11.97	6.98	5.64	7.16
<i>Inflation (MoM)</i>	*	*	*	0.98	1.79	2.40	0.08	0.52	3.87

Note : Figures in italics indicate inflation over previous year/month

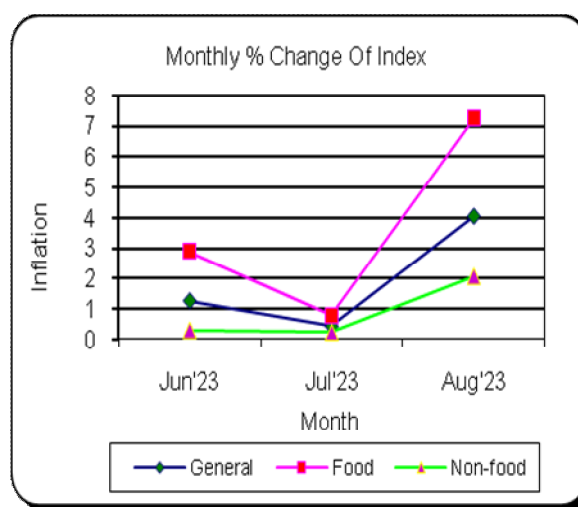
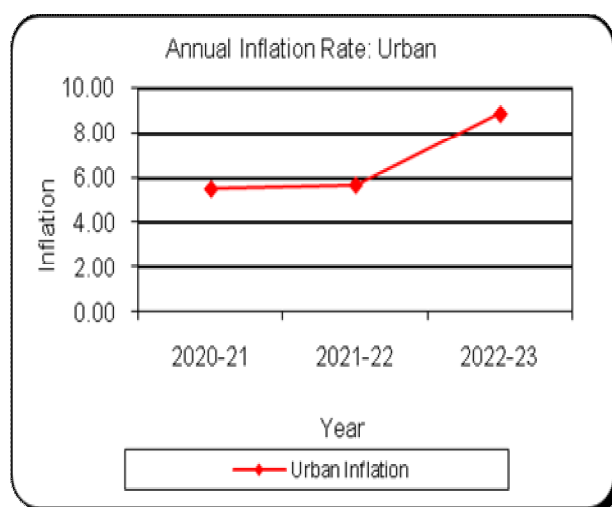


Table: 1.6 Historical Data (Time Series) of CPI National (Base: 1973-74 to 2005-06=100)

Year	Index			Inflation		
	General	Food	Non-food	General	Food	Non-food
1	2	3	4	5	6	7
Base: 1973-74 = 100						
1973-74	100.00	100.00	100.00			
1974-75	167.17	176.89	150.79	67.17	76.89	50.79
1975-76	153.19	148.60	160.90	-8.36	-15.99	6.70
1976-77	156.89	150.16	167.97	2.42	1.05	4.39
1977-78	176.69	173.65	181.13	12.62	15.64	7.84
1978-79	191.24	185.45	200.97	8.23	6.80	10.95
1979-80	226.55	225.16	230.31	18.46	21.41	14.60
1980-81	254.97	244.69	272.47	12.54	8.67	18.31
1981-82	296.50	288.15	310.56	16.29	17.76	13.98
1982-83	325.94	312.77	348.11	9.93	8.54	12.09
1983-84	357.47	350.47	369.27	9.67	12.05	6.08
1984-85	396.58	387.89	411.21	10.94	10.68	11.36
1985-86	436.03	429.46	447.11	9.95	10.72	8.73
1986-87	481.18	483.42	477.41	10.35	12.56	6.78
Base: 1985-86 = 100						
1985-86	100.00	100.00	100.00			
1986-87	113.87	115.44	111.03	13.87	15.44	11.03
1987-88	121.12	123.38	117.03	6.37	6.88	5.40
1988-89	131.30	133.66	127.02	8.40	8.33	8.54
1989-90	136.37	137.04	135.15	3.86	2.53	6.40
1990-91	147.70	148.11	146.95	8.31	8.08	8.73
1991-92	154.44	154.30	154.69	4.56	4.18	5.27
1992-93	158.67	157.17	161.38	2.74	1.86	4.32
1993-94	163.87	161.80	167.69	3.28	2.95	3.91
1994-95	178.40	176.77	181.38	8.87	9.25	8.16
1995-96	190.27	189.13	191.86	6.65	6.99	5.78
1996-97	195.07	191.85	200.99	2.52	1.44	4.76
Base: 1995-96 = 100						
1995-96	100.00	100.00	100.00			
1996-97	103.96	103.67	104.47	3.96	3.67	4.47
1997-98	112.96	114.51	110.73	8.66	10.46	5.99
1998-99	120.94	125.16	115.10	7.06	9.30	3.95
1999-00	124.31	128.52	118.64	2.79	2.68	3.08
2000-01	126.72	130.30	122.25	1.94	1.38	3.04

Year	Index			Inflation		
	General	Food	Non-food	General	Food	Non-food
1	2	3	4	5	6	7
2001-02	130.26	132.43	127.89	2.79	1.63	4.61
2002-03	135.97	137.01	135.13	4.38	3.46	5.66
2003-04	143.90	146.50	141.03	5.83	6.93	4.37
2004-05	153.23	158.08	147.14	6.48	7.90	4.33
2005-06	164.21	170.34	156.56	7.17	7.76	6.40
2006-07	176.06	184.18	165.79	7.22	8.12	5.90
2007-08	193.54	206.79	176.26	9.93	12.28	6.32
2008-09	206.43	221.64	186.67	6.66	7.18	5.91
2009-10	221.53	240.55	196.84	7.31	8.53	5.45
2010-11	241.02	267.83	205.01	8.80	11.34	4.15
2011-12	266.61	295.86	227.87	10.62	10.47	11.15
2012-13	287.14	317.62	247.07	7.70	7.35	8.43
Base: 2005-06 = 100						
2005-06	100	100	100			
2006-07	109.39	111.63	106.51	9.39	11.63	6.51
2007-08	122.84	130.30	113.27	12.30	16.72	6.35
2008-09	132.17	140.61	121.36	7.60	7.91	7.14
2009-10	141.18	149.40	130.66	6.82	6.25	7.66
2010-11	156.59	170.48	138.77	10.92	14.11	6.21
2011-12	170.19	183.65	152.94	8.69	7.73	10.21
2012-13	181.73	193.24	166.97	6.78	5.22	9.17
2013-14	195.08	209.79	176.23	7.35	8.56	5.55
2014-15	207.58	223.80	186.79	6.41	6.68	5.99
2015-16	219.86	234.77	200.66	5.92	4.90	7.43
2016-17	231.82	248.90	209.92	5.44	6.01	4.61
2017-18	245.22	266.64	217.76	5.78	7.13	3.73
2018-19	258.65	281.33	229.58	5.48	5.51	5.43
2019-20	273.26	296.86	243.00	5.65	5.56	5.85
2020-21	288.44	313.86	255.85	5.56	5.73	5.29
2021-22	306.18	332.86	271.98	6.15	6.05	6.31
Base: 2021-22 = 100						
2022-23	109.02	108.71	109.39	9.02	8.71	9.39

Chapter 2

Wage Rate Index (WRI) and Growth Rate of Bangladesh

2.1 Background of Wage Rate Index (WRI):

Wage Rate Index (WRI) is an important indicator for measuring the trend and changes in the aggregate wages of the wage earners of a country. The wage rate index is intended to measure the movement of nominal wages of low paid skilled and unskilled labour over time in different sectors of the economy. It is also used to measure changes in real wages. Bangladesh Bureau of Statistics (BBS) has been producing and publishing Wage Rate Index (WRI) since 1974 on regular basis with 1969-70 as base year. Already BBS has revised and rebased the Wage Rate Index (WRI) with 2021-22 as base Index.

Rebasing of Wage Rate Index from 2010-11=100 to 2021-22=100 comprises three broad economic sectors like Agriculture, Industry and Service. This rebasing of wage rate data on monthly wages for specific 63 occupations in the agriculture, industry and service sectors are considered. Average monthly wage rate of low paid skilled and un-skilled labourers are estimated by 63 occupations such as 17 occupations from agriculture sector, 30 occupations from industry sector and 16 occupations from service sector.

2.2 Definition of Wage:

Amount of money received either in cash or in kind in a day for standard daily working hours or earnings of low paid labor who works on hourly basis have been included here as wage earners. Salary paid and high contract-based earnings have been excluded from compilation of WRI.

2.3 Base year change:

Firstly, BBS compiled and released WRI according to base year 1969-70=100. After revised & revision, Secondly BBS compiled and released WRI according to base year 2010-11=100 in every month. This base year is old and by this time many new occupations emerged and many occupations become obsolete. So it has become necessary to change the base index of WRI. So that, the present base index has been rebased and revision from 2010-11=100 to 2021-22=100. However, considering the necessity BBS has already made a WRI of new base index (2021-22=100). It has been prepared with the help of Labor Force Survey-2016-17.

2.4 Computation of Wage Rate Index:

The wage rate index is intended to measure the movement of wages of low paid skilled and unskilled labour over time in main sectors of the economy such as agriculture, industry and service.

Wage Rate Index-WRI has been- revised from 2010-11=100 to 2021-22=100 under main three sectors of the economy such as agriculture, industry and services in respect of 63 occupations comprising 17 occupations from agriculture sector, 30 occupations from industry sector and 16 occupations from service sector are calculated.

Each occupation has been calculated by divisional different weight. WRI weight has been considered as wages of employees of eight division basis. New WRI (National) has been calculated from weighted average on the basis divisional weight.

Selected 63 occupational wage data is being collected from 64 district statistical offices according to male and female (with food and without food). Based on occupation of male and female wage data has been measured as geometric wage average.

Wage Rate Index of Bangladesh is officially measured of wage which is compiled by weighted average of eight divisional wage rate indices. The average monthly wage rate of male and female in particular 63 occupations are nothing but the amount of total daily wages.

2.5 Derivation of weight:

The basic information for deriving weight of WRI is obtained from the Labour Force Survey (LFS) 2016-17. Weights have been considered as a number of employees of eight administrative divisions and 63 occupations. In order to confine within informal sector labour paid on daily, weekly or piece rate basis are considered for this purpose. It could be noted that LFS provide wages of employees and for different occupation groups only.

To derive weight for occupation levels information is needed from Agriculture Input Cost Survey, Pilot Construction Study and also from Special Field Study. Also, efforts have been made to derive individual weight for different administrative divisions. The administrative divisional weights are expected to enable the estimates for individual division indices and the national indices as a weighted average of administrative divisional indices.

CPIs are calculated at two stages:

First, Elementary Indexes are compiled using Jevons formula & chained Jevons.

$$I_j^{0:t} = \frac{\prod (p_i^t)^{\frac{1}{n}}}{\prod (p_i^0)^{\frac{1}{n}}}$$

Where, 0 and t are two periods

$$I_{jc}^{0:t} = \prod \left(\frac{p_i^t}{p_i^0} \right)^{\frac{1}{n}} = \frac{\prod (p_i^1)^{\frac{1}{n}}}{\prod (p_i^0)^{\frac{1}{n}}} \frac{\prod (p_i^2)^{\frac{1}{n}}}{\prod (p_i^1)^{\frac{1}{n}}} \dots \frac{\prod (p_i^t)^{\frac{1}{n}}}{\prod (p_i^{t-1})^{\frac{1}{n}}} = \frac{\prod (p_i^t)^{\frac{1}{n}}}{\prod (p_i^0)^{\frac{1}{n}}} = \prod \left(\frac{p_i^t}{p_i^0} \right)^{\frac{1}{n}}$$

Second, Higher-level indexes are compiled using the Modified Young's formula.

$$I_{MY}^{0:t} = \sum w_j^b I_j^{0:t-1} I_j^{t-1:t}, \quad \sum w_j^b = 1$$

Where,

$$I_Y^{0:t} = \sum w_i^b \cdot \left(\frac{p_i^t}{p_i^0} \right), \quad w_i^b = \frac{p_i^b \cdot q_i^b}{\sum p_i^b \cdot q_i^b}$$

2.6 Coverage and sources of data:

Monthly wage rate data are collected from 64 districts of the country on monthly basis. Wage rates of the day labourers in regards to (i) without food (ii) with food are collected by 64 district statistical offices, BBS.

Table: 2.1 Wage Rate Index by Sectors: Bangladesh

Sector	2020-21	2021-22	2022-23	Base: 2010-11=100	Base Index: 2021-22=100	
				Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7
General	180.83	191.80	205.30	211.19	110.38	111.10
percentage change (Point to Point)	6.12	6.06	7.04	7.39	7.52	7.58
percentage change(over previous month)				0.17	0.24	0.65
1. Agriculture	181.16	192.21	205.69	211.50	110.39	111.19
percentage change (Point to Point)	6.39	6.10	7.01	7.47	7.72	7.89
percentage change(over previous month)				0.09	0.32	0.73
I. Agriculture	181.23	192.39	205.98	211.83	110.37	111.20
percentage change (Point to Point)	6.41	6.16	7.06	7.52	7.69	7.90
percentage change(over previous month)				0.08	0.24	0.75
II. Fish	177.84	183.06	191.07	194.40	110.58	110.94
percentage change (Point to Point)	5.49	2.95	4.37	4.59	8.59	8.22
percentage change(over previous month)				0.46	4.13	0.32
2. Industry	177.52	187.83	201.01	206.67	110.12	110.75
percentage change (Point to Point)	5.51	5.85	6.97	7.00	6.96	6.90
percentage change(over previous month)				0.26	0.13	0.57
I. Construction	167.24	174.62	184.35	188.78	109.90	110.50
percentage change (Point to Point)	4.42	4.41	5.57	5.79	7.39	7.56
percentage change(over previous month)				0.35	1.66	0.55
II. Production	198.37	214.87	234.79	242.95	111.68	112.49
percentage change (Point to Point)	7.43	8.30	9.28	8.96	7.43	7.11
percentage change(over previous month)				0.12	-1.22	0.73
3. Service	185.99	199.42	212.23	219.00	111.33	112.00
percentage change (Point to Point)	6.07	6.32	7.31	7.76	8.14	8.10
percentage change(over previous month)				0.34	0.53	0.60

Figure: 2.1

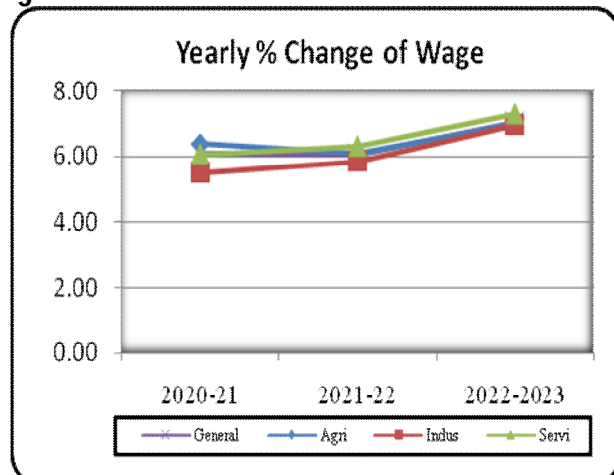


Figure: 2.2

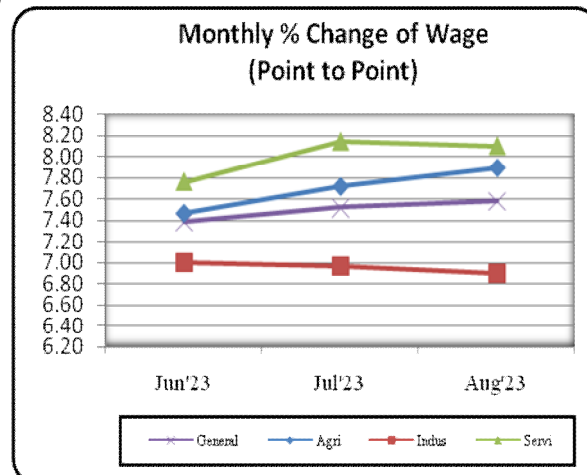


Table: 2.2 Wage Rate Index by Sectors: Dhaka Division

Sector	2020-21	2021-22	2022-23	Base: 2010-11=100	Base Index: 2021-22=100	
				Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7
General	179.99	189.42	199.93	204.68	107.41	108.51
percentage change (Point to Point)	5.93	5.25	5.54	5.95	5.22	5.80
percentage change(over previous month)				0.15	-0.59	1.03
1. Agriculture	181.52	190.78	201.30	206.32	105.90	107.21
percentage change (Point to Point)	6.41	5.11	5.51	6.25	3.97	4.71
percentage change(over previous month)				0.09	-2.08	1.24
I. Agriculture	181.51	190.80	201.36	206.40	105.88	107.19
percentage change (Point to Point)	6.41	5.13	5.53	6.27	3.95	4.69
percentage change(over previous month)				0.09	-2.13	1.25
II. Fish	182.40	187.35	193.85	196.16	110.91	111.43
percentage change (Point to Point)	6.38	2.74	3.47	3.76	9.76	9.56
percentage change(over previous month)				0.16	5.93	0.46
2. Industry	173.94	182.93	193.18	197.43	108.67	109.51
percentage change (Point to Point)	5.03	5.17	5.60	5.63	6.21	6.56
percentage change(over previous month)				0.25	0.69	0.77
I. Construction	167.38	173.84	181.65	185.40	108.39	109.27
percentage change (Point to Point)	4.41	3.86	4.50	4.93	6.49	7.12
percentage change(over previous month)				0.31	1.62	0.81
II. Production	187.79	202.14	217.53	222.83	111.21	111.67
percentage change (Point to Point)	6.22	7.63	7.63	6.89	7.66	7.22
percentage change(over previous month)				0.13	0.89	0.42
3. Service	188.95	200.28	211.37	216.21	105.35	107.09
percentage change (Point to Point)	6.11	6.00	5.54	5.44	2.80	4.13
percentage change(over previous month)				0.16	-2.42	1.66

Figure: 2.3

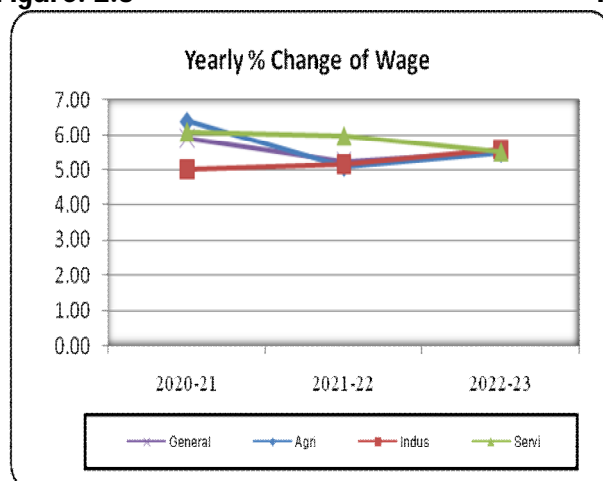


Figure: 2.4

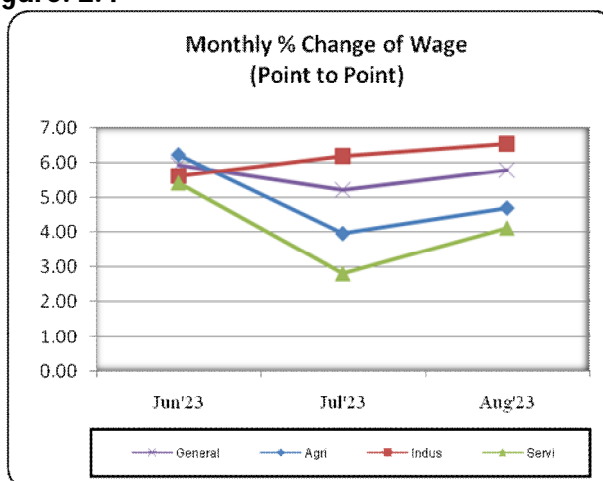


Table: 2.3 Wage Rate Index by Sectors: Chattogram Division

Sector	2020-21	2021-22	2022-23	Base: 2010-11=100	Base Index: 2021-22=100	
				Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7
General	178.61	189.51	202.76	208.65	109.07	109.81
percentage change (Point to Point)	5.99	6.10	6.99	7.06	5.96	6.16
percentage change (over previous month)				0.33	-0.94	0.67
1. Agriculture	179.38	190.56	202.96	208.39	107.60	108.66
percentage change (Point to Point)	6.30	6.23	6.51	6.60	4.80	5.50
Percentage change (over previous month)				0.16	-1.61	0.98
I. Agriculture	179.38	190.76	203.31	208.83	106.64	107.98
percentage change (Point to Point)	6.31	6.34	6.59	6.68	3.84	4.83
percentage change (over previous month)				0.15	-2.59	1.26
II. Fish	179.35	185.39	193.62	197.02	110.01	110.36
percentage change (Point to Point)	5.88	3.38	4.44	4.38	7.73	7.36
percentage change (over previous month)				0.62	3.52	0.32
2. Industry	174.75	184.54	198.01	203.30	109.97	110.55
percentage change (Point to Point)	5.13	5.59	7.30	6.67	6.35	6.18
percentage change (over previous month)				0.39	-0.18	0.53
I. Construction	172.87	182.46	195.63	200.49	109.93	110.52
percentage change (Point to Point)	4.89	5.51	7.23	6.19	6.11	5.93
percentage change (over previous month)				0.43	0.04	0.54
II. Production	181.61	192.12	206.68	213.54	110.87	111.29
percentage change (Point to Point)	5.98	5.78	7.57	8.36	7.92	7.62
Percentage change (over previous month)				0.27	-0.25	0.38
3. Service	182.58	194.39	210.68	219.55	109.72	110.04
percentage change (Point to Point)	6.28	6.46	8.37	9.55	6.37	5.80
percentage change (over previous month)				0.85	-2.85	0.29

Figure: 2.5

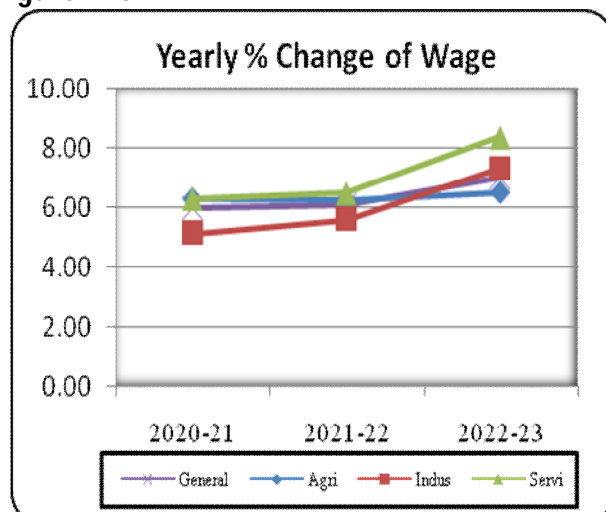


Figure: 2.6

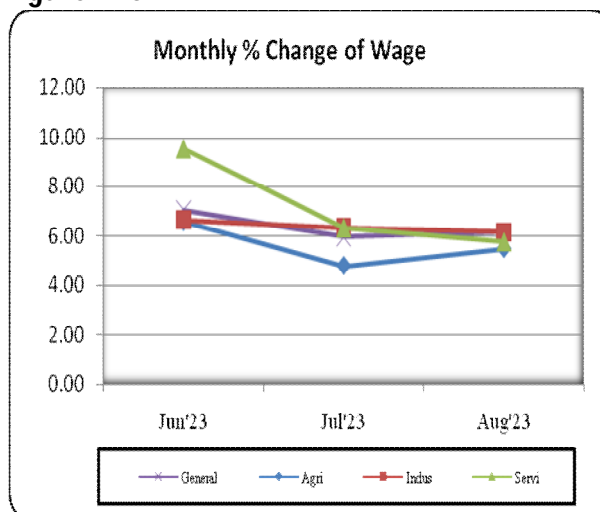


Table: 2.4 Wage Rate Index by Sectors: Rajshahi Division

Sector	2020-21	2021-22	2022-23	Base: 2010-11=100	Base Index: 2021-22=100	
				Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7
General	160.31	191.24	204.22	209.97	109.83	110.47
percentage change (Point to Point)	7.05	5.88	6.78	7.17	7.10	7.13
percentage change(over previous month)				0.12	0.03	0.58
1. Agriculture	160.50	191.41	203.89	209.46	109.07	109.64
percentage change (Point to Point)	7.06	5.71	6.52	7.01	6.60	6.66
percentage change(over previous month)				0.07	-0.33	0.52
I. Agriculture	160.50	191.42	203.91	209.49	109.00	109.57
percentage change (Point to Point)	7.06	5.72	6.52	7.01	6.53	6.59
percentage change(over previous month)				0.07	-0.40	0.52
II. Fish	162.44	187.79	197.51	201.31	111.35	111.78
percentage change (Point to Point)	6.72	3.48	5.17	5.45	9.29	8.89
percentage change(over previous month)				0.39	3.87	0.39
2. Industry	158.56	188.50	202.06	207.57	110.18	110.95
percentage change (Point to Point)	6.59	6.50	7.20	6.87	6.79	6.75
percentage change(over previous month)				0.26	0.06	0.71
I. Construction	151.79	169.15	178.01	183.11	109.83	110.36
percentage change (Point to Point)	5.56	3.51	5.23	6.30	7.67	7.92
percentage change(over previous month)				0.49	1.46	0.49
II. Production	165.20	207.50	225.66	231.58	110.88	112.15
percentage change (Point to Point)	7.54	9.01	8.79	7.31	6.51	6.53
percentage change(over previous month)				0.09	-0.64	1.15
3. Service	289.37	198.39	214.96	223.52	112.74	113.19
percentage change (Point to Point)	8.45	5.75	8.33	9.74	9.46	8.87
percentage change(over previous month)				0.19	0.07	0.39

Figure: 2.7

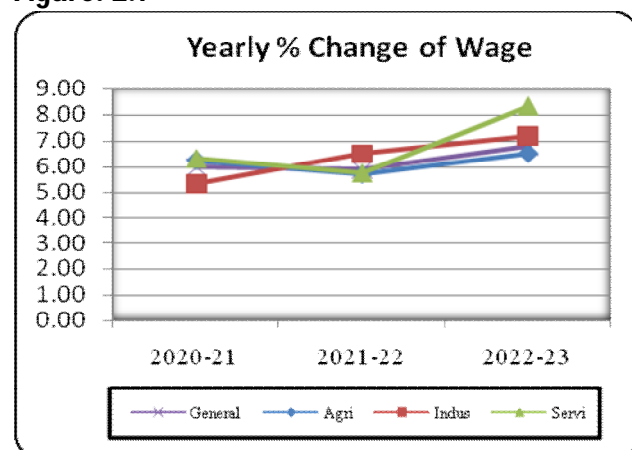


Figure: 2.8

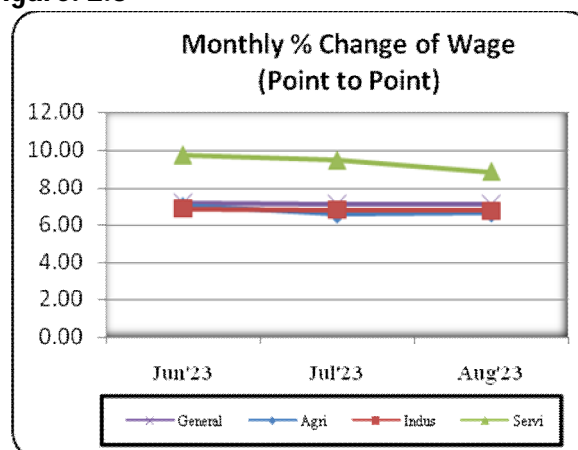


Table: 2.5 Wage Rate Index by Sectors: Rangpur Division

Sector	2020-21	2021-22	2022-23	Base: 2010-11=100	Base Index: 2021-22=100	
				Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7
General	188.61	203.98	226.40	235.68	115.68	116.37
percentage change (Point to Point)	7.27	8.14	10.98	11.40	11.34	10.74
percentage change(over previous month)				0.11	0.12	0.59
1. Agriculture	186.02	200.68	222.67	231.34	115.33	116.15
percentage change (Point to Point)	6.94	7.87	10.95	11.31	11.20	10.73
percentage change(over previous month)				0.08	0.04	0.71
I. Agriculture	186.05	200.72	222.73	231.42	115.33	116.15
percentage change (Point to Point)	6.94	7.89	10.96	11.32	11.20	10.73
percentage change(over previous month)				0.08	0.03	0.71
II. Fish	174.73	180.08	189.84	193.21	112.79	113.06
percentage change (Point to Point)	5.26	3.07	5.42	6.10	11.01	10.69
percentage change(over previous month)				0.11	5.12	0.24
2. Industry	195.50	212.63	234.37	244.96	115.27	115.63
percentage change (Point to Point)	8.49	8.76	10.21	10.65	10.53	9.69
percentage change(over previous month)				0.23	0.06	0.31
I. Construction	166.60	174.10	186.69	192.94	115.30	115.66
percentage change (Point to Point)	4.82	4.48	7.22	8.25	12.29	12.13
percentage change(over previous month)				0.26	4.04	0.32
II. Production	237.39	264.36	300.82	319.84	115.14	115.50
percentage change (Point to Point)	11.89	11.41	13.75	14.70	8.98	7.47
percentage change(over previous month)				0.02	-4.83	0.31
3. Service	205.87	226.52	259.15	273.66	120.65	121.03
percentage change (Point to Point)	7.86	10.00	14.37	15.47	14.60	13.39
percentage change(over previous month)				0.21	-0.13	0.31

Figure: 2.9

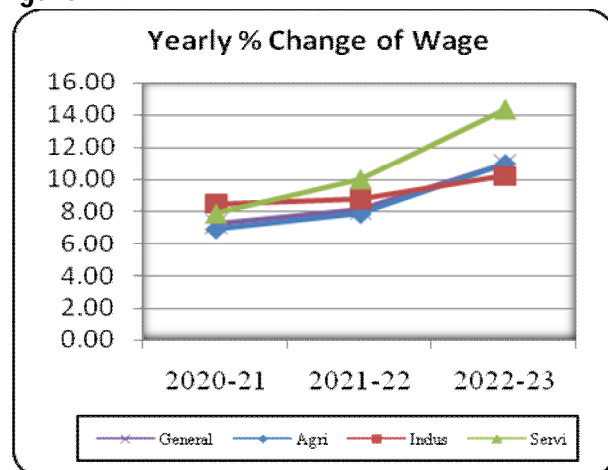


Figure: 2.10

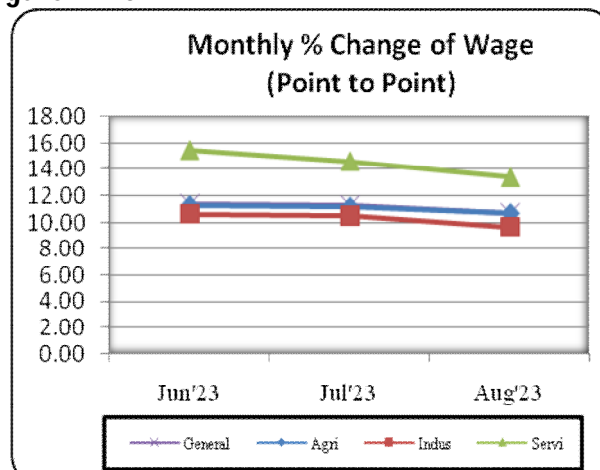


Table: 2.6 Wage Rate Index by Sectors: Khulna Division

Sector	2020-21	2021-22	2022-23	Base: 2010-11=100	Base Index: 2021-22=100	
				Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7
General	180.36	191.40	204.62	210.45	109.73	110.25
percentage change (Point to Point)	6.11	6.10	6.90	7.50	7.11	7.11
percentage change(over previous month)				0.13	-0.21	0.48
1. Agriculture	181.94	193.42	206.30	211.93	109.30	109.87
percentage change (Point to Point)	6.49	6.29	6.65	7.28	6.91	6.99
percentage change(over previous month)				0.06	-0.25	0.53
I. Agriculture	182.29	193.95	207.06	212.77	109.18	109.76
percentage change (Point to Point)	6.53	6.41	6.72	7.36	6.79	6.88
percentage change(over previous month)				0.04	-0.45	0.54
II. Fish	172.21	178.56	185.07	188.43	112.30	112.68
percentage change (Point to Point)	5.28	2.82	4.53	4.70	10.13	9.78
percentage change(over previous month)				0.45	5.52	0.34
2. Industry	171.69	180.18	192.09	197.60	109.08	109.59
percentage change (Point to Point)	4.96	4.94	6.60	7.30	6.44	6.33
percentage change(over previous month)				0.32	-0.54	0.47
I. Construction	162.76	171.72	178.81	183.54	108.81	109.30
percentage change (Point to Point)	4.46	4.12	5.49	6.55	6.82	6.85
percentage change(over previous month)				0.36	0.48	0.45
II. Production	206.60	222.02	244.03	252.58	111.77	112.49
percentage change (Point to Point)	6.57	7.44	9.17	9.48	7.17	6.76
percentage change(over previous month)				0.18	-1.75	0.64
3. Service	189.85	203.92	223.51	231.95	113.83	114.17
percentage change (Point to Point)	5.74	7.37	9.64	9.74	9.45	9.22
percentage change(over previous month)				0.35	0.07	0.30

Figure: 2.11

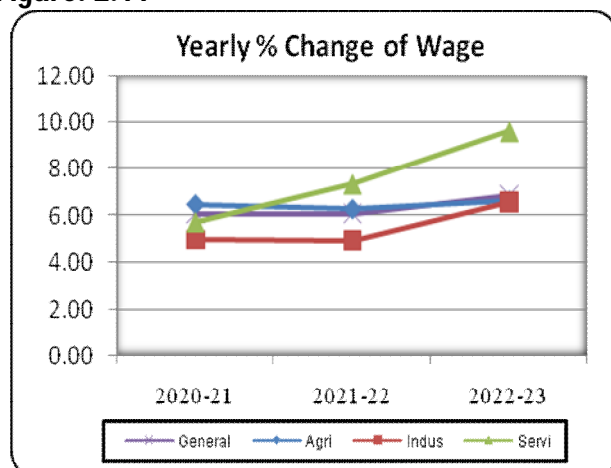


Figure: 2.12

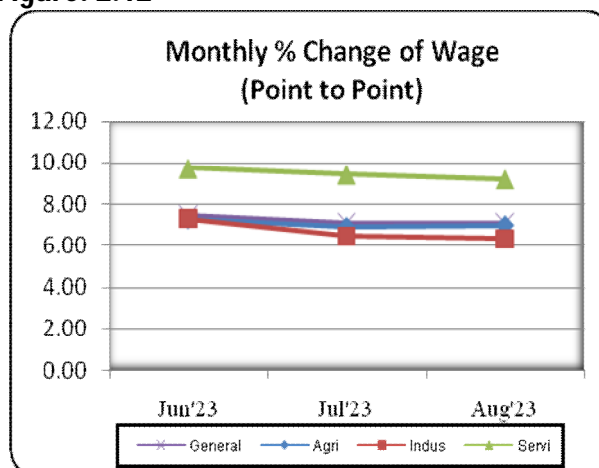


Table: 2.7 Wage Rate Index by Sectors: Barishal Division

Sector	2020-21	2021-22	2022-23	Base: 2010-11=100	Base Index: 2021-22=100	
				Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7
General	181.09	193.01	208.20	214.46	110.99	111.43
percentage change (Point to Point)	6.16	6.57	7.87	7.85	7.56	7.12
percentage change(over previous month)				0.30	-0.11	0.40
1. Agriculture	184.87	196.65	211.56	217.51	110.36	110.68
percentage change (Point to Point)	6.35	6.37	7.59	7.57	7.18	6.62
percentage change(over previous month)				0.19	-0.22	0.28
I. Agriculture	184.93	197.05	212.26	218.27	110.14	110.47
percentage change (Point to Point)	6.38	6.55	7.72	7.67	6.92	6.37
percentage change(over previous month)				0.17	-0.57	0.30
II. Fish	183.68	188.66	197.75	202.36	110.92	111.18
percentage change (Point to Point)	5.74	2.75	4.82	5.48	8.71	8.17
percentage change(over previous month)				0.74	3.41	0.24
2. Industry	167.46	177.49	191.23	197.01	110.91	111.44
percentage change (Point to Point)	4.81	5.96	7.74	7.75	7.48	7.20
percentage change(over previous month)				0.37	-0.08	0.48
I. Construction	161.24	170.99	184.04	189.43	110.90	111.44
percentage change (Point to Point)	4.38	6.02	7.80	7.56	7.51	7.26
percentage change(over previous month)				0.39	0.11	0.49
II. Production	198.76	210.17	227.41	235.16	111.13	111.30
percentage change (Point to Point)	6.58	5.74	8.20	8.53	7.53	6.86
percentage change(over previous month)				0.25	-0.68	0.15
3. Service	190.10	207.07	227.66	236.18	114.22	114.64
percentage change (Point to Point)	7.89	8.91	9.65	9.51	9.43	8.78
percentage change(over previous month)				0.73	0.14	0.37

Figure: 2.13

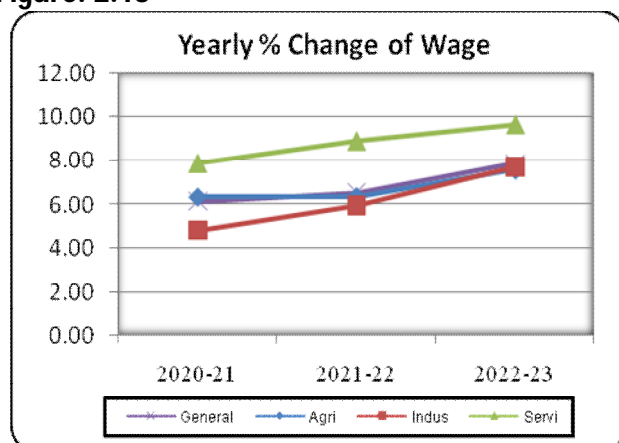


Figure: 2.14

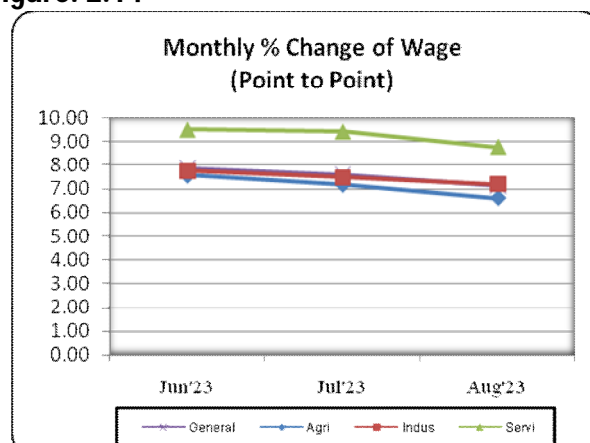


Table: 2.8 Wage Rate Index by Sectors: Sylhet Division

Sector	2020-21	2021-22	2022-23	Base: 2010-11=100	Base Index: 2021-22=100	
				Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7
General	180.00	190.36	202.88	208.25	108.87	109.42
percentage change (Point to Point)	6.01	5.70	6.57	7.01	6.37	6.47
percentage change (over previous month)				0.10	-0.48	0.51
1. Agriculture	180.33	190.93	203.72	209.00	109.08	109.61
percentage change (Point to Point)	6.47	5.87	6.69	7.12	6.64	6.73
percentage change (over previous month)				0.05	-0.35	0.48
I. Agriculture	180.36	191.05	203.93	209.26	109.07	109.60
percentage change (Point to Point)	6.51	5.93	6.74	7.17	6.61	6.71
percentage change (over previous month)				0.05	-0.42	0.49
II. Fish	178.97	183.49	190.48	192.93	111.71	112.04
percentage change (Point to Point)	3.79	2.53	3.81	4.22	10.25	9.86
percentage change (over previous month)				0.05	6.24	0.29
2. Industry	176.11	184.34	194.88	200.44	108.78	109.38
percentage change (Point to Point)	4.41	4.67	5.71	6.29	6.24	6.58
percentage change (over previous month)				0.33	0.04	0.54
I. Construction	173.62	181.68	190.88	195.29	108.77	109.36
percentage change (Point to Point)	4.15	4.64	5.07	5.09	6.25	6.62
percentage change (over previous month)				0.37	1.19	0.54
II. Production	193.26	202.67	222.43	235.97	110.19	110.85
percentage change (Point to Point)	6.04	4.87	7.90	9.73	7.51	7.67
percentage change (over previous month)				0.11	-5.36	0.59
3. Service	186.46	198.17	212.51	218.19	108.69	109.21
percentage change (Point to Point)	5.19	6.28	7.23	7.42	5.77	5.19
percentage change (over previous month)				0.13	-1.28	0.47

Figure: 2.15

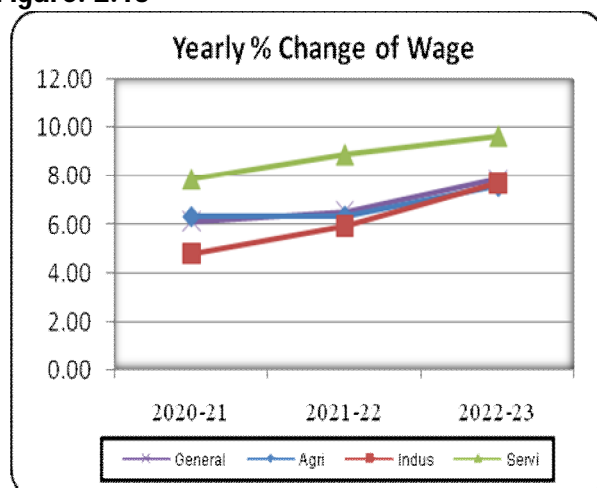


Figure: 2.16

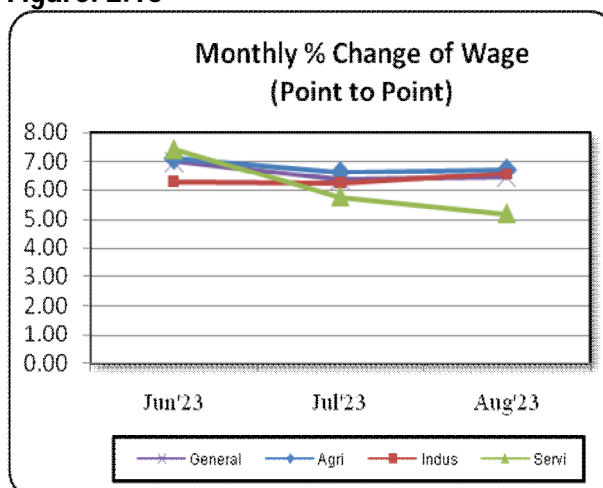


Table: 2.9 Wage Rate Index by Sectors: Mymensingh Division (Base Index: 2021-22=100)

Sector	2020-21	2021-22	2022-23	Jun'23	Jul'23	Aug'23
1	2	3	4	5	6	7
General	-	100.00	-	-	108.42	109.21
percentage change (Point to Point)	-	-	-	-	-	-
percentage change (over previous month)	-	-	-	-	-	0.73
1. Agriculture	-	100.00	-	-	107.59	108.70
percentage change (Point to Point)	-	-	-	-	-	-
percentage change (over previous month)	-	-	-	-	-	1.03
I. Agriculture	-	100.00	-	-	107.57	108.68
percentage change (Point to Point)	-	-	-	-	-	-
percentage change (over previous month)	-	-	-	-	-	1.03
II. Fish	-	100.00	-	-	111.06	111.75
percentage change (Point to Point)	-	-	-	-	-	-
percentage change (over previous month)	-	-	-	-	-	0.62
2. Industry	-	100.00	-	-	109.06	109.52
percentage change (Point to Point)	-	-	-	-	-	-
percentage change (over previous month)	-	-	-	-	-	0.42
I. Construction	-	100.00	-	-	108.99	109.46
percentage change (Point to Point)	-	-	-	-	-	-
percentage change (over previous month)	-	-	-	-	-	0.43
II. Production	-	100.00	-	-	109.99	110.38
percentage change (Point to Point)	-	-	-	-	-	-
percentage change (over previous month)	-	-	-	-	-	0.35
3. Service	-	100.00	-	-	110.46	110.83
percentage change (Point to Point)	-	-	-	-	-	-
percentage change (over previous month)	-	-	-	-	-	0.33

N.B.: Newly Compilation of Mymensingh Divisional Index

Table: 2.10 Historical Data (Time Series) of WRI Bangladesh (Base: 1969-70=100 to 2010-11=100)

Year	Index					Growth Rate (Point to Point)				
	General	Manufacturing	Construction	Agricultural	Fishery	General	Manufacturing	Construction	Agricultural	Fishery
1	2	3	4	5	6	7	8	9	10	11
Base: 1969-70=100										
1974-75	221	192	264	261	197					
1975-76	244	205	305	279	226	10.41	6.77	15.53	6.90	14.72
1976-77	252	222	311	268	237	3.28	8.29	1.97	-3.94	4.87
1977-78	280	251	334	312	251	11.11	13.06	7.40	16.42	5.91
1978-79	346	318	414	370	311	23.57	26.69	23.95	18.59	23.90
1979-80	433	389	492	443	451	25.14	22.33	18.84	19.73	45.02
1980-81	492	452	545	482	529	13.63	16.20	10.77	8.80	17.29
1981-82	566	515	616	567	617	15.04	13.94	13.03	17.63	16.64
1982-83	598	558	677	558	639	5.65	8.35	9.90	-1.59	3.57
1983-84	684	720	754	572	654	14.38	29.03	11.37	2.51	2.35
1984-85	734	776	775	642	702	7.31	7.78	2.79	12.24	7.34
1985-86	895	958	938	767	856	21.93	23.45	21.03	19.47	21.94
1986-87	1085	1154	1122	941	1054	21.23	20.46	19.62	22.69	23.13
1987-88	1201	1220	1326	1049	1189	10.69	5.72	18.18	11.48	12.81
1988-89	1288	1325	1452	1115	1225	7.24	8.61	9.50	6.29	3.03
1989-90	1426	1502	1475	1245	1403	10.71	13.36	1.58	11.66	14.53
1990-91	1482	1575	1487	1321	1452	3.93	4.86	0.81	6.10	3.49
1991-92	1553	1641	1512	1425	1547	4.79	4.19	1.68	7.87	6.54
1992-93	1638	1724	1579	1523	1641	5.47	5.06	4.43	6.88	6.08
1993-94	1709	1828	1598	1593	1699	4.33	6.03	1.20	4.60	3.53
1994-95	1786	1947	1613	1653	1770	4.51	6.51	0.94	3.77	4.18
1995-96	1900	2064	1754	1738	1882	6.38	6.01	8.74	5.14	6.33
1996-97	1989	2161	1848	1804	1974	4.68	4.70	5.36	3.80	4.89
1997-98	2141	2395	1990	1870	2053	7.64	10.83	7.68	3.66	4.00
1998-99	2259	2522	2163	1950	2138	5.51	5.30	8.69	4.28	4.14
1999-00	2390	2701	2286	2037	2220	5.80	7.10	5.69	4.46	3.84
2000-01	2489	2832	2356	2141	2292	4.14	4.85	3.06	5.11	3.24
2001-02	2637	3035	2444	2262	2411	5.95	7.17	3.74	5.65	5.19
2002-03	2926	3501	2624	2443	2563	10.96	15.35	7.36	8.00	6.30

Year	Index					Growth Rate (Point to Point)				
	General	Manufacturing	Construction	Agricultural	Fishery	General	Manufacturing	Construction	Agricultural	Fishery
1	2	3	4	5	6	7	8	9	10	11
2003-04	3111	3765	2669	2582	2775	6.32	7.54	1.71	5.69	8.27
2004-05	3293	4015	2758	2719	2957	5.85	6.64	3.33	5.31	6.56
2005-06	3505	4293	2889	2925	3133	6.44	6.92	4.75	7.58	5.95
2006-07	3779	4636	3135	3156	3332	7.82	7.99	8.52	7.90	6.35
2007-08	4227	5144	3505	3488	3635	11.85	10.96	11.80	10.52	9.09
2008-09	5025	6128	4262	4275	4334	18.88	19.13	21.60	22.56	19.23
2009-10	5441	6520	4633	4804	4727	8.28	6.40	8.70	12.37	9.07
2010-11	5782	6778	4983	5325	5043	6.27	3.96	7.55	10.85	6.69
2011-12	6469	7221	6583	6134	5187	11.88	6.54	32.11	15.19	2.86
2012-13	7422	7978	7684	7448	6021	14.73	10.48	16.73	21.44	16.08
2013-14	8097	8700	8238	8283	6566	9.10	9.05	7.20	11.20	9.06
2014-15	8899	9553	9004	9254	7129	9.90	9.81	9.31	11.73	8.57

Year	Index				Growth Rate (Point to Point)			
	General	Agricultural	Industry	Service	General	Agricultural	Industry	Service
1	2	3	4	5	6	7	8	9
Base: 2010-11=100								
2010-11	100.00	100.00	100.00	100.00				
2011-12	106.24	105.96	106.92	106.23	6.24	5.96	6.92	6.23
2012-13	112.62	112.08	113.43	113.63	6.01	5.78	6.08	6.96
2013-14	118.82	118.44	119.07	120.16	5.50	5.68	4.97	5.75
2014-15	124.69	124.51	124.38	126.15	4.94	5.12	4.47	4.98
2015-16	132.81	132.48	132.02	136.03	6.52	6.41	6.16	7.86
2016-17	141.46	141.22	140.27	145.01	6.50	6.59	6.24	6.60
2017-18	150.59	150.27	149.45	154.44	6.46	6.41	6.55	6.51
2018-19	160.23	159.92	158.74	164.78	6.40	6.42	6.22	6.69
2019-20	170.39	170.28	168.24	175.33	6.35	6.48	5.99	6.41
2020-21	180.83	181.16	177.52	185.99	6.12	6.39	5.51	6.07
2021-22	191.80	192.21	187.83	199.42	6.06	6.10	5.85	6.32
2022-23	205.30	205.69	201.01	212.23	7.04	7.01	6.97	7.31

Chapter 3

Annex

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