

BUILDING CONSTRUCTION COST INDEX JAIPUR CENTRE
(2001 TO 2015)



**DIRECTORATE OF ECONOMICS & STATISTICS,
PLANNING DEPARTMENT, RAJASTHAN, JAIPUR**



Government of Rajasthan

**BUILDING CONSTRUCTION COST
INDEX OF JAIPUR CENTRE
(2001 TO 2015)
OF
RAJASTHAN**

**Directorate of Economics & Statistics,
Department of Planning, Rajasthan, Jaipur**



Director and Joint Secretary
Directorate of Economics and Statistics
Department of Planning

PREFACE

The Cost of Construction of residential houses has undergone a tremendous change during the past decades. The Directorate of Economics and Statistics is regularly computing Indices for Construction of Residential house building for Jaipur Centre with the base 1971=100. The publication gives annual and quarterly average Indices of Prices of Building Material and of Labour engaged in construction of houses, besides General Cost of Construction Index from 2001 to 2015. An attempt has been made to incorporate the changes in index number of prices during these years, so that a view of changes reflected from 2001 to 2015 could be taken. Percentage variation over previous year and average increase in Indices per year have also been worked out and included in the report.

The methodology for weighting diagram used for computing of the Indices and proforma used for collection of prices of Building Material and Wage rate of different category of Labour engaged also forms a part of the report. It is hoped that the report will be useful in studying the changes in the Cost of Construction of houses in Jaipur. Suggestions for improvement, if any, would be most welcome.

Jaipur
October, 2016

(Om Prakash Bairwa)

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CONTENTS		
S. NO.	SUBJECT	PAGE NO.
1	INTRODUCTION/ COLLECTION OF PRICES & CHOICE OF BASE YEAR	1
2	WEIGHTING SYSTEM	2
3	METHODOLOGY OF CONSTRUCTION OF THE INDEX NUMBERS	3
4	REVIEW & ANALYSIS OF DATA	4
5	INDEX NUMBERS OF COST OF BUILDING MATERIAL	5- 7
6	INDEX NUMBERS OF WAGES OF CONSTRUCTION LABOUR	8- 10
7	INDEX NUMBERS OF GENERAL COST OF CONSTRUCTION	11- 13
8	QUARTERLY INDICES OF COST OF BUILDING MATERIAL, LABOUR & GENERAL COST OF CONSTRUCTION	14-31
9	LIST OF COMMODITIES & THEIR VARIETIES WHICH ARE INCLUDED IN THE INDEX OF BUILDING MATERIAL	32-34
10	CATEGORIES OF WORKERS WHICH ARE INCLUDED IN INDEX OF WAGES OF LABOUR ENGAGED IN CONSTRUCTION OF BUILDING	35

Index Numbers of Building Construction Cost, Jaipur center

Introduction

The object of preparing the index numbers of cost of construction of houses is to measure relative changes in the value of construction of a house of the same type and size at a place over different points of time because during the recent years there has been a continuous rise in the cost of construction of buildings. The building construction cost depends on two factors viz cost of materials used and cost of labour employed. The Directorate of Economics & Statistics has been collecting and compiling the data on prices of building materials and wages of building construction labour on quarterly basis since 1971. In this report, an attempt has been made to study the trends in the prices of building materials and wages of construction labour for Jaipur center for the period from 2001 to 2015 with 1971 = 100 as the base year. This has been done with reference to the low income group houses constructed by Rajasthan Housing Board at Jaipur only.

Collection of prices

The prices data have been collected through official source (Office of Deputy Director, Economics & Statistics, Jaipur) on quarterly basis. The prices are those which were actually paid by the builder for specific quality of material/labour.

Choice of base year

In the existing building construction cost index the year 1971 has been taken as the base year. This year was chosen as it was considered to be a normal year from the point of view of construction activities and price trends of building materials/labour.

Weighting Systems

In the existing series (base 1971=100), weights have been divided as the proportion of expenditure incurred on each item of building material and labour in relation to the total cost involved in construction of a residential house on plot size 20' *50' (two roomed low income group house) constructed by Rajasthan Housing Board at Jaipur in 1971. The weighting diagram so derived is given below 61.04 percent weighting is for building material and 38.96 percent on labour.

Weighting diagram used for the Construction of Building Cost Indices for Jaipur.

	(A) Building Material	61.04
1.	Bricks	0.86
2.	Sand	7.36
3.	Stone Ballast	8.66
4.	Lime	12.12
5.	Timber	4.76
6.	Cement	4.33
7.	STEEL	4.33
8.	Stone Slabs, Asbestos Cement Sheets & Tiles	8.22
9.	Paint & Varnish	0.87
10.	Sheet Glass	0.87
11.	Sanitary Wares	8.66
	(B) INDEX FOR LABOUR	38.96
	1. Mason	19.05
	2. Carpenter	1.73
	3. Un- Skilled Labour	18.18
	TOTAL (A+B)	100.00

Methodology of construction of the Index

The weighted arithmetic average method (Laspeyer's fixed base) is used for the computation of the index for each variety of material/labour, the price relative is computed by dividing the current price rate by the corresponding base period price rate. The weighted arithmetic average of the price relative of the varieties is taken as the material/labour index. The weighted arithmetic average of these Material price Indices and Labour Wage Indices is the General Building Construction Cost Index.

Symbolically

$$P_j = P_{ij} / P_{oj}$$

Where P_{ij} = price at time i of commodity j

P_{oj} = price at time o of commodity j

P_j = price relative for commodity j

$$I_g = \sum_j W_{gj} P_j / \sum_j W_{gj}$$

W_{gj} = Weight for commodity j of the group G

I_g = Group index i.e index for building material/labour

$$I_b = \sum_g W_g I_g / \sum_g W_g$$

Where $W_g = \sum_j W_{gj}$

$\sum_g W_g = 100$ (Total Weights)

and I_b = General building construction cost index.

The index are at present worked out on quarterly basis, which are further converted into annual index by simple averaging of the quarterly index numbers.

Review

The index numbers of prices of buildings materials and of wages of building construction labour have been prepared for Jaipur Centre with 1971 = 100 as base, for the items of building material and labour indicated under the weighting diagram already given. The list of commodities with specifications for which prices were collected are given in Appendix = I. The categories of workers for which the wage rates were collected are given in Appendix-II.

Analysis of data

Table No 1 reveals the Index Numbers of Cost of Construction Material of a residential house for the period 2001 to 2015. It is observed from this table that over the years, the prices of building materials have been continuously rising. The highest increase in the prices of building material over the previous year was recorded in the year 2011 (30.45%) followed by the years 2012 (18.77%) and 2006 (11.35%). The lowest increase of 1.66% was recorded in 2005 over 2004.

The Index Numbers for Wages of Construction Labour for the period 2001 to 2015, It is seen from this table that the Index Numbers for Labour Wages are also continuously rising though not uniformly. The highest increase of 35.38 percent in a year was recorded in 2011 over 2010 followed by the years 2012 (28.38%) and 2009 (19.39%). The lowest increase i.e. negative -2.20 percent was recorded in 2003 over 2002.

Table No. 3 (Combination of Table No.1&2) shows the Index Numbers of Total Building Constructed Cost including materials and labour. It is observed from this table that there is continuous rise in the index numbers of cost of construction of houses in Jaipur city. The General Index of Cost of Construction has risen to 6371.45 in 2015 from 1766.65 in 2001. The lowest increase of 0.09% over the preceding year was registered in 2003 and the highest was 32.96% in 2011, followed by 23.73% in 2012 and 11.96% in 2008.

Table-1
INDEX NUMBERS OF COST OF BUILDING MATERIAL FOR JAIPUR CENTRE AND ITS VARIATION OVER PRECEDING YEAR
BASE (1971=100)

S. No.	YEAR	INDEX NUMBERS OF COST OF BUILDING MATERIAL INDEX	PERCENTAGE VARIATION OVER PRECEDING YEAR
1	2001	1486.38	
2	2002	1526.15	2.68
3	2003	1559.87	2.21
4	2004	1602.02	2.70
5	2005	1628.70	1.66
6	2006	1813.58	11.35
7	2007	1956.40	7.87
8	2008	2162.99	10.56
9	2009	2200.19	1.72
10	2010	2382.62	8.29
11	2011	3108.14	30.45
12	2012	3691.56	18.77
13	2013	3844.74	4.15
14	2014	4069.39	5.84
15	2015	4290.69	5.44

COST OF BUILDING MATERIAL INDEX FOR JAIPUR CENTER
BASE 1971=100



COST OF BUILDING MATERIAL INDEX FOR JAIPUR CENTER BASE 1971=100

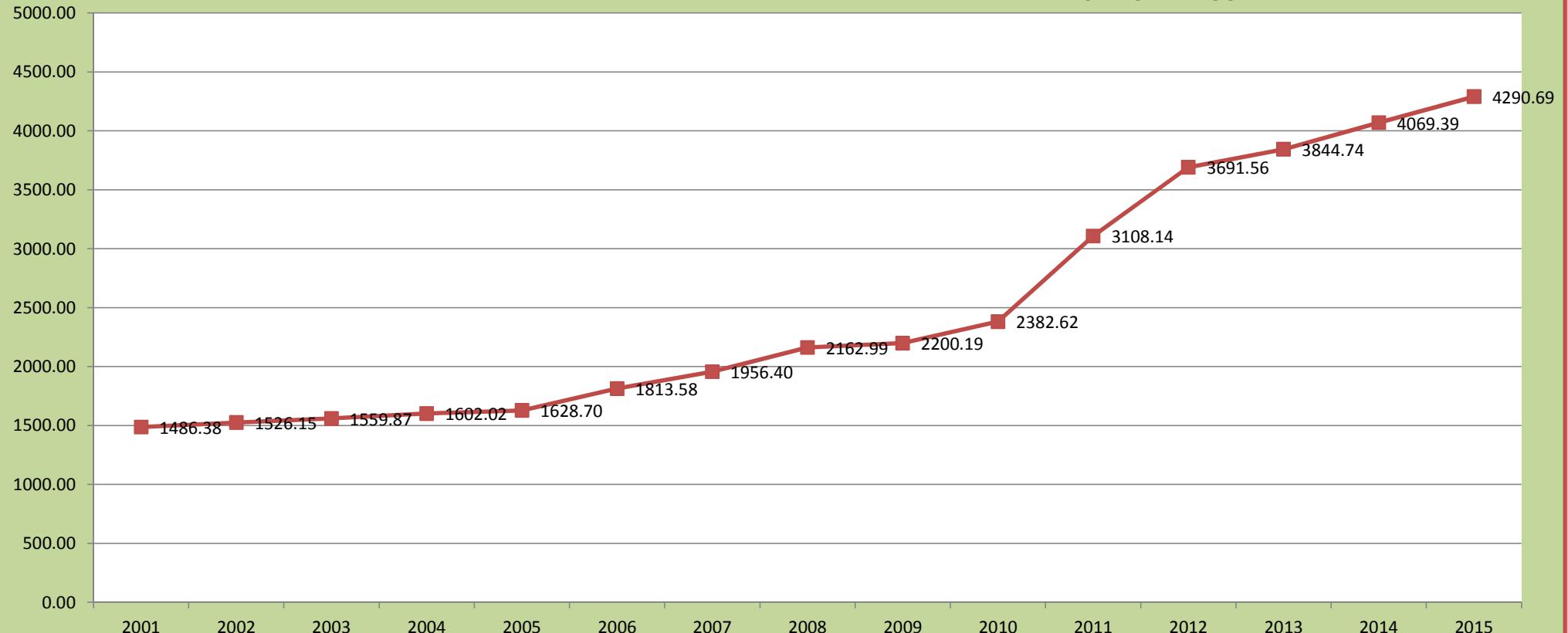
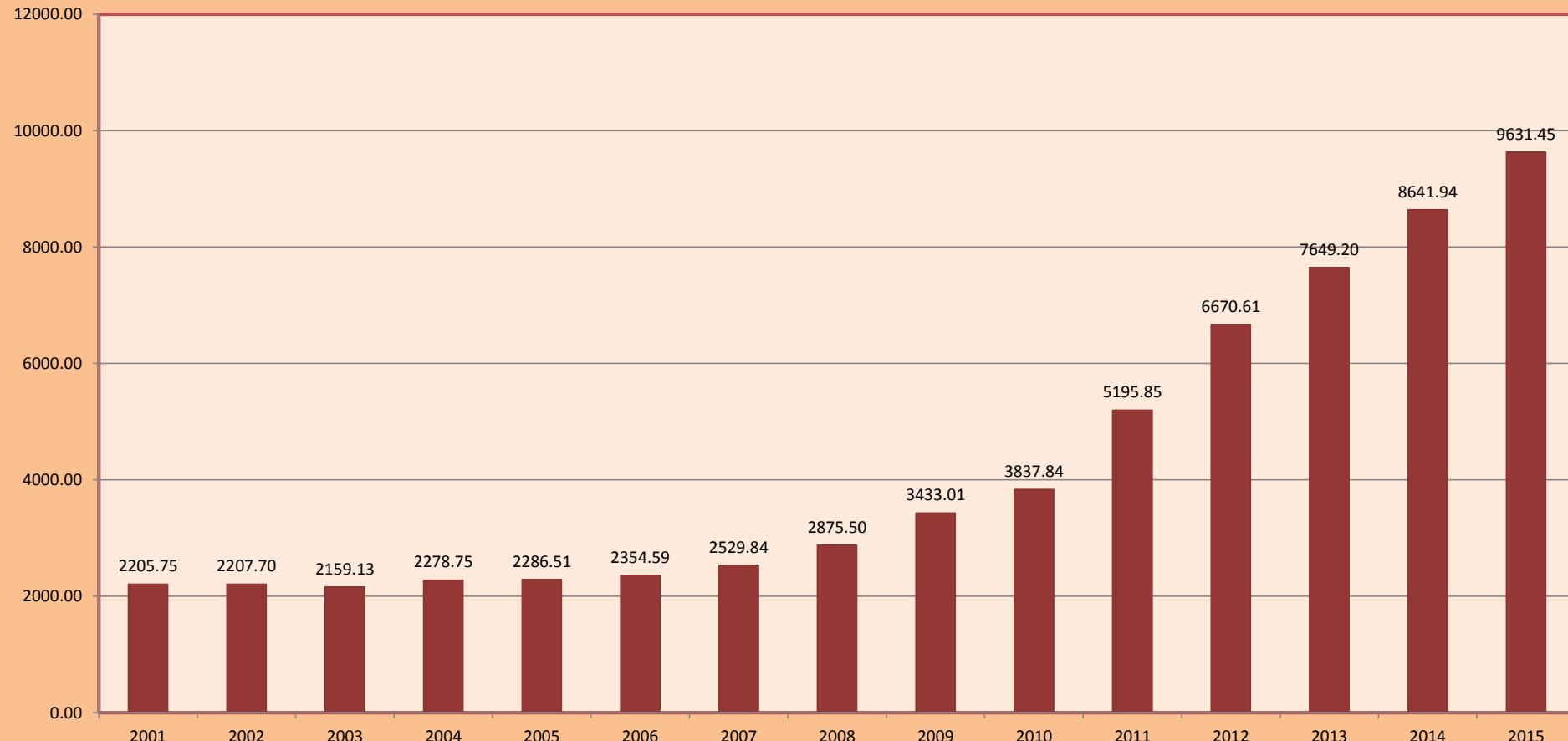


Table-2

**INDEX NUMBERS OF WAGES OF COSTRCTION LABOUR FOR JAIPUR
CENTRE AND ITS VARIATION OVER PRECEDING YEAR**

BASE (1971=100)			
S. No.	YEAR	INDEX NUMBERS OF COST OF BUILDING MATERIAL INDEX	PERCENTAGE VARIATION OVER PRECEDING YEAR
1	2001	2205.75	
2	2002	2207.70	0.09
3	2003	2159.13	-2.20
4	2004	2278.75	5.54
5	2005	2286.51	0.34
6	2006	2354.59	2.98
7	2007	2529.84	7.44
8	2008	2875.50	13.66
9	2009	3433.01	19.39
10	2010	3837.84	11.79
11	2011	5195.85	35.38
12	2012	6670.61	28.38
13	2013	7649.20	14.67
14	2014	8641.94	12.98
15	2015	9631.45	11.45

WAGES OF CONSTRUCTION LABOUR INDEX FOR JAIPUR CENTRE
BASE 1971=100



WAGES OF CONSTRUCTION LABOUR INDEX FOR JAIPUR CENTRE
BASE 1971=100

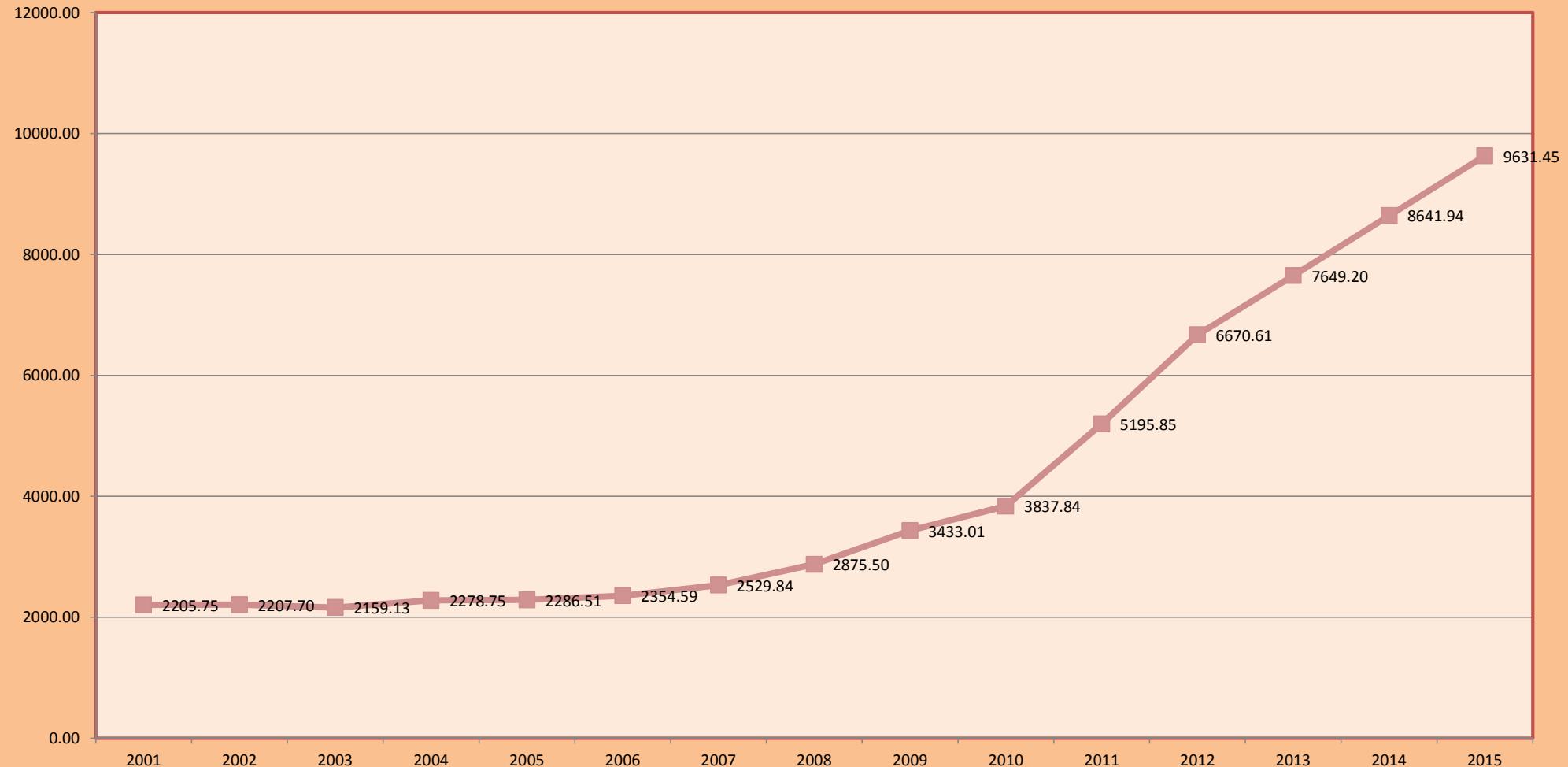


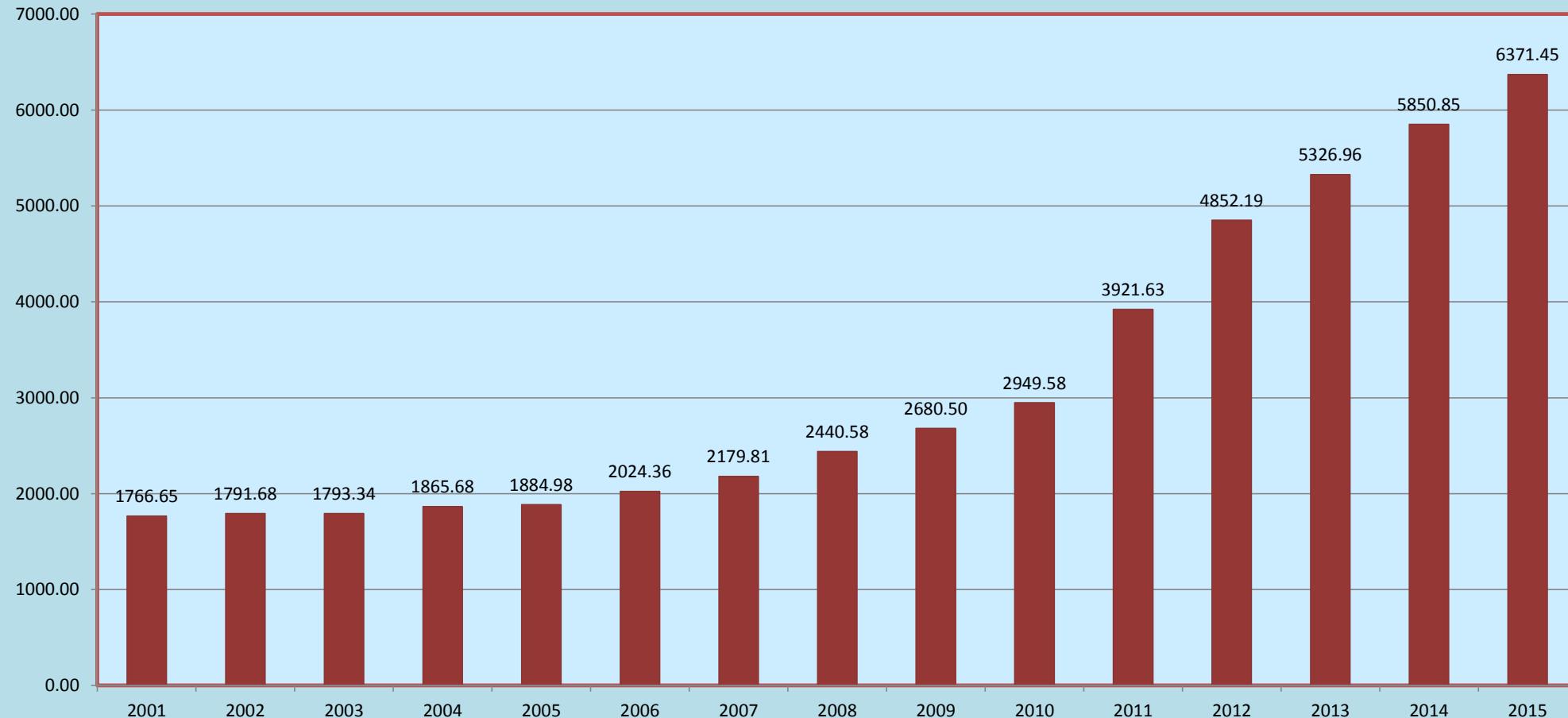
Table-3

**INDEX NUMBERS OF GENERAL COST OF CONSTRUCTION FOR JAIPUR
CENTRE AND ITS VARIATION OVER PRECEDING YEAR**

BASE (1971=100)			
S. No.	YEAR	INDEX NUMBERS OF COST OF BUILDING MATERIAL INDEX	PERCENTAGE VARIATION OVER PRECEDING YEAR
1	2001	1766.65	
2	2002	1791.68	1.42
3	2003	1793.34	0.09
4	2004	1865.68	4.03
5	2005	1884.98	1.03
6	2006	2024.36	7.39
7	2007	2179.81	7.68
8	2008	2440.58	11.96
9	2009	2680.50	9.83
10	2010	2949.58	10.04
11	2011	3921.63	32.96
12	2012	4852.19	23.73
13	2013	5326.96	9.78
14	2014	5850.85	9.83
15	2015	6371.45	8.90

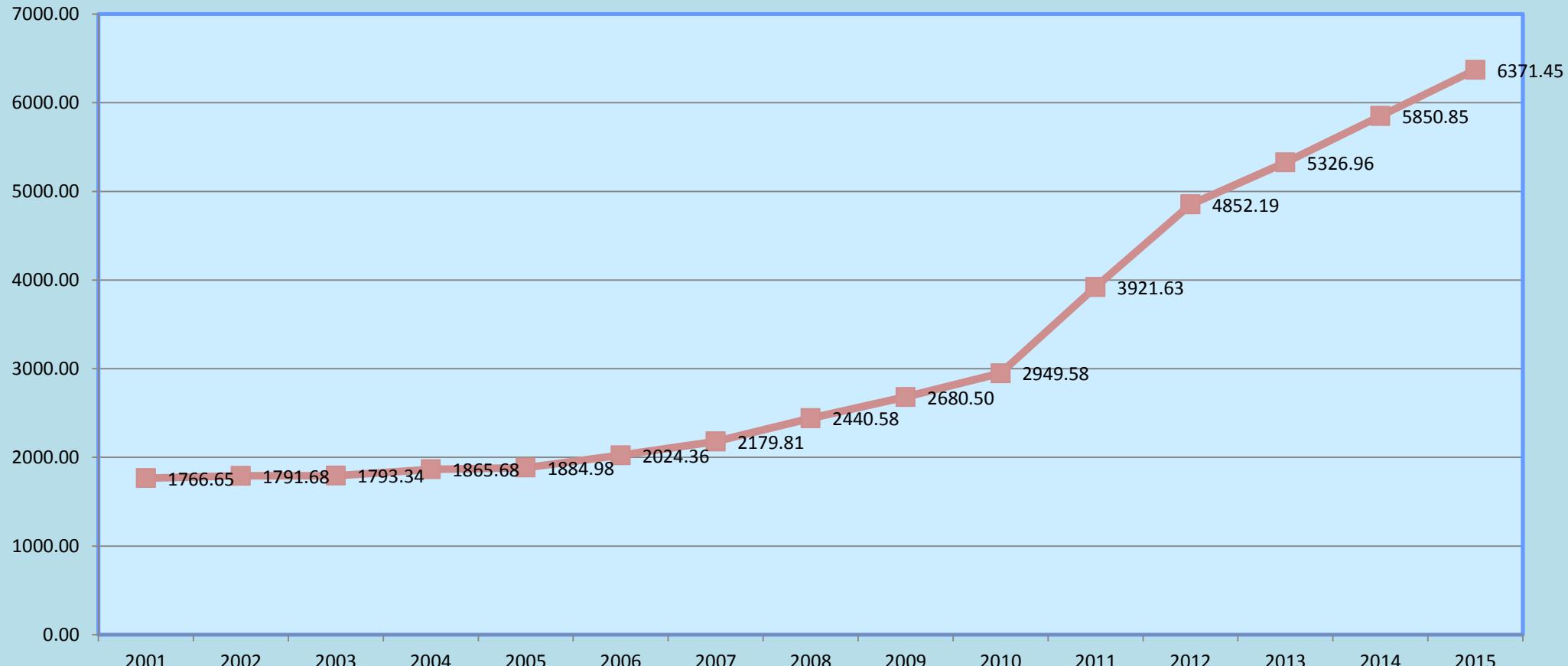
GENERAL COST OF CONSTRUCTION INDEX FOR JAIPUR CENTRE

BASE 1971=100



GENERAL COST OF CONSTRUCTION INDEX FOR JAIPUR CENTRE

BASE 1971=100



BUILDING MATERIAL AND LABOUR INDEX FOR JAIPUR CENTRE
 BASE (1971 = 100)

ITEM / QUARTER	BUILDING MATERIAL INDEX	INDEX OF LABOUR	GENERAL INDEX
Mar-01	1430.46	2199.88	1730.23
Jun-01	1523.27	2207.70	1789.92
Sep-01	1495.26	2207.70	1772.83
Dec-01	1496.53	2207.70	1773.60
AVERAGE	1486.38	2205.75	1766.65

Mar-02	1489.72	2207.70	1769.44
Jun-02	1519.66	2207.70	1787.72
Sep-02	1540.58	2207.70	1800.49
Dec-02	1554.65	2207.70	1809.08
AVERAGE	1526.15	2207.70	1791.68

Mar-03	1554.30	2207.70	1808.87
Jun-03	1576.51	2110.56	1784.57
Sep-03	1549.08	2110.56	1767.83
Dec-03	1559.59	2207.70	1812.10
AVERAGE	1559.87	2159.13	1793.34

Mar-04	1607.67	2278.75	1869.12
Jun-04	1613.86	2278.75	1872.90
Sep-04	1584.12	2278.75	1854.75
Dec-04	1602.44	2278.75	1865.93
AVERAGE	1602.02	2278.75	1865.68

Mar-05	1612.31	2278.75	1871.96
Jun-05	1624.13	2278.75	1879.17
Sep-05	1636.47	2278.75	1886.70
Dec-05	1641.87	2309.79	1902.09
AVERAGE	1628.70	2286.51	1884.98

BUILDING MATERIAL AND LABOUR INDEX FOR JAIPUR CENTRE

BASE (1971 = 100)

ITEM / QUARTER	BUILDING MATERIAL INDEX	INDEX OF LABOUR	GENERAL INDEX
Mar-06	1731.91	2325.31	1963.10
Jun-06	1795.18	2340.84	2007.77
Sep-06	1850.44	2376.11	2055.24
Dec-06	1876.80	2376.11	2071.33
AVERAGE	1813.58	2354.59	2024.36

Mar-07	1936.10	2503.51	2157.16
Jun-07	1925.56	2506.32	2151.83
Sep-07	1978.42	2509.55	2185.35
Dec-07	1985.51	2599.98	2224.91
AVERAGE	1956.40	2529.84	2179.81

Mar-08	2118.39	2681.13	2337.63
Jun-08	2166.31	2771.56	2402.11
Sep-08	2210.44	2987.51	2513.19
Dec-08	2156.80	3061.78	2509.38
AVERAGE	2162.99	2875.50	2440.58

Mar-09	2112.55	3268.18	2562.78
Jun-09	2175.24	3363.53	2638.20
Sep-09	2253.43	3455.66	2721.82
Dec-09	2259.54	3644.66	2799.18
AVERAGE	2200.19	3433.01	2680.50

Mar-10	2301.43	3695.46	2844.55
Jun-10	2330.57	3695.46	2862.33
Sep-10	2359.50	3836.59	2934.97
Dec-10	2538.98	4123.86	3156.45
AVERAGE	2382.62	3837.84	2949.58

BUILDING MATERIAL AND LABOUR INDEX FOR JAIPUR CENTRE

BASE (1971 = 100)

ITEM / QUARTER	BUILDING MATERIAL INDEX	INDEX OF LABOUR	GENERAL INDEX
Mar-11	2709.64	4334.23	3342.58
Jun-11	3056.16	4957.13	3796.78
Sep-11	3295.11	5483.06	4148.02
Dec-11	3371.63	6008.98	4399.14
AVERAGE	3108.14	5195.85	3921.63

Mar-12	3531.12	6421.78	4657.32
Jun-12	3583.33	6421.78	4689.19
Sep-12	3868.99	6919.43	5057.44
Dec-12	3782.78	6919.43	5004.82
AVERAGE	3691.56	6670.61	4852.19

Mar-13	3779.77	7445.35	5207.88
Jun-13	3759.73	7445.35	5195.65
Sep-13	3869.86	7853.05	5421.71
Dec-13	3969.61	7853.05	5482.60
AVERAGE	3844.74	7649.20	5326.96

Mar-14	3949.02	7853.05	5470.03
Jun-14	4053.82	8904.90	5943.80
Sep-14	4131.78	8904.90	5991.39
Dec-14	4142.92	8904.90	5998.19
AVERAGE	4069.39	8641.94	5850.85

Mar-15	4245.45	9631.45	6343.83
Jun-15	4321.23	9631.45	6390.09
Sep-15	4323.26	9631.45	6391.33
Dec-15	4272.80	9631.45	6360.53
AVERAGE	4290.69	9631.45	6371.45

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2001

S. NO.	Item	WEIGHT	QUARTER				Average
			Mar-01	Jun-01	Sep-01	Dec-01	
A.	BUILDING MATERIAL						
1	Bricks	0.86	1769.84	2271.79	2128.21	1749.70	1979.89
2	Sand	7.36	1761.52	2111.00	2111.00	2022.40	2001.48
3	Stone Ballast	8.66	1853.96	2258.55	2059.85	2008.76	2045.28
4	Lime	12.12	1282.05	1282.05	1282.05	1282.05	1282.05
5	Timber	4.76	2776.79	2776.79	2776.79	3001.91	2833.07
6	Cement	4.33	1214.73	979.62	1018.81	1018.81	1057.99
7	STEEL	4.33	888.18	904.13	896.31	846.92	883.89
8	SLABS SHEET, TILES	8.22	826.18	826.97	826.97	826.97	826.77
9	PAINT & VARNISH	0.87	919.35	1034.04	1034.04	1034.04	1005.37
10	SHEET GLASS	0.87	699.26	699.26	699.26	699.26	699.26
11	Sanatory Wares	8.66	1236.97	1236.97	1236.97	1310.76	1255.42
INDEX OF BUILDING MATERIAL		61.04	1430.46	1523.27	1495.26	1496.53	1486.38
B.	LABOUR						
	1. Manson	19.05	2127.15	1970.56	1970.56	1970.56	2009.71
	2. Carpenter	1.73	1897.83	1934.19	1934.19	1934.19	1925.10
	3. Un- Skiled Labour	18.18	2308.30	2482.21	2482.21	2482.21	2438.73
	(A) MALE		2181.82	2181.82	2181.82	2181.82	2181.82
	(B) FEMALE		2434.78	2782.61	2782.61	2782.61	2695.65
INDEX OF LABOUR		38.96	2199.88	2207.70	2207.70	2207.70	2205.75
GENERAL INDEX		100.00	1730.23	1789.92	1772.83	1773.60	1766.65

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2002

S. N	Item	WEIGHT	QUARTER				Average
			Mar-02	Jun-02	Sep-02	Dec-02	
A.	BUILDING MATERIAL						
1	Bricks	0.86	1797.32	1913.19	1986.69	2058.36	1938.89
2	Sand	7.36	2022.40	2111.00	2283.27	2283.27	2174.99
3	Stone Ballast	8.66	2008.76	2086.52	2086.52	2190.23	2093.01
4	Lime	12.12	1282.05	1282.05	1282.05	1282.05	1282.05
5	Timber	4.76	3001.91	3001.91	3001.91	3001.91	3001.91
6	Cement	4.33	901.25	956.11	940.44	901.26	924.77
7	STEEL	4.33	854.79	878.31	882.78	894.15	877.51
8	SLABS SHEET, TILES	8.22	829.14	829.14	828.46	830.76	829.38
9	PAINT & VARNISH	0.87	1034.04	1106.77	1106.77	1106.77	1088.59
10	SHEET GLASS	0.87	699.26	699.26	699.26	699.26	699.26
11	Sanatory Wares	8.66	1310.76	1310.76	1310.76	1310.76	1310.76
INDEX OF BUILDING MATERIAL		61.04	1489.72	1519.66	1540.58	1554.65	1526.15
B.	LABOUR						
	1. Manson	19.05	1970.56	1970.56	1970.56	1970.56	1970.56
	2. Carpenter	1.73	1934.19	1934.19	1934.19	1934.19	1934.19
	3. Un- Skiled Labour	18.18	2482.21	2482.21	2482.21	2482.21	2482.21
	(A) MALE		2181.82	2181.82	2181.82	2181.82	2181.82
	(B) FEMALE		2782.61	2782.61	2782.61	2782.61	2782.61
INDEX OF LABOUR		38.96	2207.70	2207.70	2207.70	2207.70	2207.70
GENERAL INDEX		100.00	1769.44	1787.72	1800.49	1809.08	1791.68

INDEX OF BUILDING CONSTRUCTION COST

BASE YEAR 1971=100

CENTRE -JAIPUR

YEAR 2003

S. N	Item	WEIGHT	QUARTER				Average
			Mar-03	Jun-03	Sep-03	Dec-03	
A.	BUILDING MATERIAL						
1	Bricks	0.86	1961.05	1984.86	1938.83	2010.50	1973.81
2	Sand	7.36	2283.27	2283.27	2113.01	2133.66	2203.30
3	Stone Ballast	8.66	2190.23	2190.23	2190.23	2136.89	2176.90
4	Lime	12.12	1282.05	1282.05	1282.05	1282.05	1282.05
5	Timber	4.76	3001.91	3001.91	3001.91	3001.91	3001.91
6	Cement	4.33	877.74	940.44	893.42	1081.50	948.28
7	STEEL	4.33	904.21	1136.74	1094.51	1087.07	1055.63
8	SLABS SHEET, TILES	8.22	832.09	832.09	832.09	832.09	832.09
9	PAINT & VARNISH	0.87	1220.14	1213.17	1213.17	1220.14	1216.66
10	SHEET GLASS	0.87	699.26	758.52	764.44	894.81	779.26
11	Sanatory Wares	8.66	1313.37	1313.37	1313.37	1312.03	1313.04
INDEX OF BUILDING MATERIAL		61.04	1554.30	1576.51	1549.08	1559.59	1559.87
B.	LABOUR						
	1. Manson	19.05	1970.56	1970.56	1970.56	1970.56	1970.56
	2. Carpenter	1.73	1934.19	1934.19	1934.19	1934.19	1934.19
	3. Un- Skiled Labour	18.18	2482.21	2274.05	2274.05	2482.22	2378.13
	(A) MALE		2181.82	1939.39	1939.39	2181.82	2060.61
	(B) FEMALE		2782.61	2608.70	2608.70	2782.61	2695.66
INDEX OF LABOUR		38.96	2207.70	2110.56	2110.56	2207.70	2159.13
GENERAL INDEX		100.00	1808.87	1784.57	1767.83	1812.10	1793.34

INDEX OF BUILDING CONSTRUCTION COST

BASE YEAR 1971=100

CENTRE -JAIPUR

YEAR 2004

S. N	Item	WEIGHT	QUARTER				Average
			Mar-04	Jun-04	Sep-04	Dec-04	
1	Bricks	0.86	1938.83	1986.45	2110.50	2010.50	2011.57
2	Sand	7.36	2283.27	2283.27	2133.66	2198.26	2224.62
3	Stone Ballast	8.66	2190.23	2190.23	2139.14	2190.23	2177.46
4	Lime	12.12	1282.05	1282.05	1282.05	1282.05	1282.05
5	Timber	4.76	3001.91	3001.91	3001.91	3001.91	3001.91
6	Cement	4.33	1238.24	1214.73	1081.50	1097.18	1157.91
7	STEEL	4.33	1257.18	1358.47	1301.33	1331.86	1312.21
8	SLABS SHEET, TILES	8.22	834.26	834.26	834.26	834.26	834.26
9	PAINT & VARNISH	0.87	1220.14	1220.14	1220.14	1220.14	1220.14
10	SHEET GLASS	0.87	894.81	894.81	894.81	894.81	894.81
11	Sanatory Wares	8.66	1312.03	1312.03	1373.46	1373.46	1342.75
INDEX OF BUILDING MATERIAL		61.04	1607.67	1613.86	1584.12	1602.44	1602.02
B.	LABOUR						
	<u>1. Manson</u>	19.05	2106.79	2106.79	2106.79	2106.79	2106.79
	2. Carpenter	1.73	2034.06	2034.06	2034.06	2034.06	2034.06
	3. Un- Skiled Labour	18.18	2482.22	2482.22	2482.22	2482.22	2482.22
	(A) MALE		2181.82	2181.82	2181.82	2181.82	2181.82
	(B) FEMALE		2782.61	2782.61	2782.61	2782.61	2782.61
INDEX OF LABOUR		38.96	2278.75	2278.75	2278.75	2278.75	2278.75
GENERAL INDEX		100.00	1869.12	1872.90	1854.75	1865.93	1865.68

INDEX OF BUILDING CONSTRUCTION COST

BASE YEAR 1971=100

CENTRE -JAIPUR

YEAR 2005

S. N	Item	WEIGHT	QUARTER				Average
			Mar-05	Jun-05	Sep-05	Dec-05	
1	Bricks	0.86	2010.50	2010.50	2082.17	2130.04	2058.30
2	Sand	7.36	2198.26	2283.27	2283.27	2283.27	2262.02
3	Stone Ballast	8.66	2190.23	2190.23	2299.85	2299.85	2245.04
4	Lime	12.12	1282.05	1282.05	1282.05	1282.05	1282.05
5	Timber	4.76	3001.91	3001.91	3001.91	3001.91	3001.91
6	Cement	4.33	1159.87	1159.87	1667.71	1234.33	1305.45
7	STEEL	4.33	1386.80	1403.34	1395.08	1395.08	1395.08
8	SLABS SHEET, TILES	8.22	834.26	834.26	818.02	818.02	826.14
9	PAINT & VARNISH	0.87	1333.52	1361.49	1409.12	1409.12	1378.31
10	SHEET GLASS	0.87	894.81	894.81	894.81	894.81	894.81
11	Sanatory Wares	8.66	1372.87	1372.87	1353.88	1353.88	1363.38
INDEX OF BUILDING MATERIAL		61.04	1612.31	1624.13	1636.47	1641.87	1628.70
B.	LABOUR						
	<u>1. Manson</u>	19.05	2106.79	2106.79	2106.79	2170.27	2122.66
	2. Carpenter	1.73	2034.06	2034.06	2034.06	2034.06	2034.06
	3. Un- Skiled Labour	18.18	2482.22	2482.22	2482.22	2482.22	2482.22
	(A) MALE		2181.82	2181.82	2181.82	2181.82	2181.82
	(B) FEMALE		2782.61	2782.61	2782.61	2782.61	2782.61
INDEX OF LABOUR		38.96	2278.75	2278.75	2278.75	2309.79	2286.51
GENERAL INDEX		100.00	1871.96	1879.17	1886.70	1902.09	1884.98

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2006

S. N	Item	WEIGHT	QUARTER				Average
			Mar-06	Jun-06	Sep-06	Dec-06	
1	Bricks	0.86	2155.68	2295.60	2462.76	2565.32	2369.84
2	Sand	7.36	2483.14	2483.14	2483.14	2483.14	2483.14
3	Stone Ballast	8.66	2550.32	2645.13	2645.13	2645.13	2621.43
4	Lime	12.12	1346.15	1474.36	1602.56	1602.56	1506.41
5	Timber	4.76	3001.91	3001.91	3276.51	3276.51	3139.21
6	Cement	4.33	1293.10	1410.66	1449.84	1473.35	1406.74
7	STEEL	4.33	1376.52	1350.19	1386.68	1418.90	1383.07
8	SLABS SHEET, TILES	8.22	861.66	896.42	899.83	913.49	892.85
9	PAINT & VARNISH	0.87	1409.12	1449.77	1449.77	1449.77	1439.61
10	SHEET GLASS	0.87	894.81	1031.11	1031.11	1031.11	997.04
11	Sanatory Wares	8.66	1414.46	1475.89	1477.37	1612.15	1494.97
INDEX OF BUILDING MATERIAL		61.04	1731.91	1795.18	1850.44	1876.80	1813.58
B.	LABOUR						
	1. Manson	19.05	2202.02	2233.77	2297.26	2297.26	2257.58
	2. Carpenter	1.73	2034.06	2034.06	2129.29	2129.29	2081.68
	3. Un- Skiled Labour	18.18	2482.22	2482.22	2482.22	2482.22	2482.22
	(A) MALE		2181.82	2181.82	2181.82	2181.82	2181.82
	(B) FEMALE		2782.61	2782.61	2782.61	2782.61	2782.61
INDEX OF LABOUR		38.96	2325.31	2340.84	2376.11	2376.11	2354.59
GENERAL INDEX		100.00	1963.10	2007.77	2055.24	2071.33	2024.36

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2007

S. N	Item	WEIGHT	QUARTER				Average
			Mar-07	Jun-07	Sep-07	Dec-07	
A.	BUILDING MATERIAL						
1	Bricks	0.86	2565.32	2473.26	2568.74	2637.00	2561.08
2	Sand	7.36	2635.41	2483.14	2635.41	2635.41	2597.34
3	Stone Ballast	8.66	2645.13	2560.60	2689.57	2689.57	2646.22
4	Lime	12.12	1602.56	1602.56	1602.56	1602.56	1602.56
5	Timber	4.76	3451.65	3613.18	3613.18	3613.18	3572.80
6	Cement	4.33	1606.58	1598.75	1630.09	1645.77	1620.30
7	STEEL	4.33	1505.56	1575.32	1573.87	1636.95	1572.93
8	SLABS SHEET, TILES	8.22	950.98	981.64	1023.25	1027.33	995.80
9	PAINT & VARNISH	0.87	1449.77	1449.77	1486.13	1486.13	1467.95
10	SHEET GLASS	0.87	1031.11	1031.11	1031.11	1031.11	1031.11
11	Sanatory Wares	8.66	1658.88	1658.87	1705.42	1705.42	1682.15
INDEX OF BUILDING MATERIAL		61.04	1936.10	1925.56	1978.42	1985.51	1956.40
B.	LABOUR						
	1. Manson	19.05	2433.48	2433.48	2433.48	2496.97	2449.35
	2. Carpenter	1.73	2224.53	2288.02	2360.75	2424.24	2324.39
	3. Un- Skiled Labour	18.18	2603.43	2603.43	2603.43	2724.64	2633.73
	(A) MALE		2424.24	2424.24	2424.24	2666.67	2484.85
	(B) FEMALE		2782.61	2782.61	2782.61	2782.61	2782.61
INDEX OF LABOUR		38.96	2503.51	2506.32	2509.55	2599.98	2529.84
GENERAL INDEX		100.00	2157.16	2151.83	2185.35	2224.91	2179.81

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2008

S. N	Item	WEIGHT	QUARTER				Average
			Mar-08	Jun-08	Sep-08	Dec-08	
1	Bricks	0.86	2805.98	2805.98	3445.79	3350.31	3102.02
2	Sand	7.36	2635.41	2635.41	2642.08	2501.08	2603.50
3	Stone Ballast	8.66	2689.57	2689.57	2689.57	2456.27	2631.25
4	Lime	12.12	1923.08	2083.33	2243.59	2403.85	2163.46
5	Timber	4.76	3613.18	3613.18	3827.42	3827.42	3720.30
6	Cement	4.33	1684.95	1684.95	1700.63	1630.09	1675.16
7	STEEL	4.33	2264.64	2460.06	2233.83	1958.06	2229.15
8	SLABS SHEET, TILES	8.22	1070.77	1070.77	1070.77	1024.68	1059.25
9	PAINT & VARNISH	0.87	1489.62	1536.44	1586.83	1665.15	1569.51
10	SHEET GLASS	0.87	1031.11	1031.11	1031.11	1031.11	1031.11
11	Sanatory Wares	8.66	1801.62	1812.69	1812.69	1781.98	1802.25
INDEX OF BUILDING MATERIAL		61.04	2118.39	2166.31	2210.44	2156.80	2162.99
B.	LABOUR						
	1. Manson	19.05	2496.97	2560.46	2760.17	2896.39	2678.50
	2. Carpenter	1.73	2424.24	2487.73	2687.45	2860.03	2614.86
	3. Un- Skiled Labour	18.18	2898.55	3019.76	3254.28	3254.28	3106.72
	(A) MALE		2666.67	2909.09	3030.30	3030.30	2909.09
	(B) FEMALE		3130.43	3130.43	3478.26	3478.26	3304.35
INDEX OF LABOUR		38.96	2681.13	2771.56	2987.51	3061.78	2875.50
GENERAL INDEX		100.00	2337.63	2402.11	2513.19	2509.38	2440.58

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2009

S. N	Item	WEIGHT	QUARTER				Average
			Mar-09	Jun-09	Sep-09	Dec-09	
1	Bricks	0.86	3192.06	3530.04	3506.23	3506.23	3433.64
2	Sand	7.36	2245.75	2245.75	2501.08	2501.08	2373.42
3	Stone Ballast	8.66	2342.73	2456.27	2456.27	2545.16	2450.11
4	Lime	12.12	2564.10	2564.10	2564.10	2564.10	2564.10
5	Timber	4.76	3827.42	4202.68	4776.62	4776.62	4395.84
6	Cement	4.33	1755.49	1865.20	1865.20	1661.44	1786.83
7	STEEL	4.33	1760.62	1801.17	1749.12	1859.75	1792.67
8	SLABS SHEET, TILES	8.22	983.71	1026.32	1073.03	1067.22	1037.57
9	PAINT & VARNISH	0.87	1642.77	1642.77	1669.94	1732.22	1671.93
10	SHEET GLASS	0.87	1019.26	1019.26	1019.26	1019.26	1019.26
11	Sanatory Wares	8.66	1670.44	1643.33	1643.33	1643.33	1650.11
INDEX OF BUILDING MATERIAL		61.04	2112.55	2175.24	2253.43	2259.54	2200.19
B.	LABOUR						
	1. Manson	19.05	2969.12	3041.85	3114.57	3250.79	3094.08
	2. Carpenter	1.73	2969.12	3041.85	3041.85	3250.79	3075.90
	3. Un- Skiled Labour	18.18	3610.02	3731.23	3852.44	4094.87	3822.14
	(A) MALE		3393.94	3636.36	3878.79	4363.64	3818.18
	(B) FEMALE		3826.09	3826.09	3826.09	3826.09	3826.09
INDEX OF LABOUR		38.96	3268.18	3363.53	3455.66	3644.66	3433.01
GENERAL INDEX		100.00	2562.78	2638.20	2721.82	2799.18	2680.50

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2010

S. N	Item	WEIGH T	QUARTER				Average
			Mar-10	Jun-10	Sep-10	Dec-10	
1	Bricks	0.86	3574.48	3385.10	3550.67	3736.63	3561.72
2	Sand	7.36	2501.08	2501.08	2527.75	2773.86	2575.94
3	Stone Ballast	8.66	2545.16	2545.16	2545.16	2820.42	2613.98
4	Lime	12.12	2724.36	2820.51	2820.51	3076.92	2860.58
5	Timber	4.76	4818.70	4818.70	5059.72	5557.15	5063.57
6	Cement	4.33	1739.81	1802.51	1802.51	1802.51	1786.84
7	STEEL	4.33	1874.37	1827.12	1854.02	1975.73	1882.81
8	SLABS SHEET, TILES	8.22	1068.93	1124.00	1134.19	1174.54	1125.42
9	PAINT & VARNISH	0.87	1662.17	1662.17	1753.84	2012.65	1772.71
10	SHEET GLASS	0.87	1019.26	1019.26	1019.26	1066.67	1031.11
11	Sanatory Wares	8.66	1643.33	1672.96	1672.96	1672.96	1665.55
INDEX OF BUILDING MATERIAL		61.04	2301.43	2330.57	2359.50	2538.98	2382.62
B.	LABOUR						
	1. Manson	19.05	3346.03	3346.03	3382.40	3586.72	3415.30
	2. Carpenter	1.73	3346.03	3346.03	3382.40	3586.72	3415.30
	3. Un- Skiled Labour	18.18	4094.87	4094.87	4355.74	4737.82	4320.83
	(A) MALE		4363.64	4363.64	4363.64	4606.06	4424.25
	(B) FEMALE		3826.09	3826.09	4347.83	4869.57	4217.40
INDEX OF LABOUR		38.96	3695.46	3695.46	3836.59	4123.86	3837.84
GENERAL INDEX		100.00	2844.55	2862.33	2934.97	3156.45	2949.58

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2011

S. N	Item	WEIGHT	QUARTER				Average
			Mar-11	Jun-11	Sep-11	Dec-11	
1	Bricks	0.86	4043.71	4980.46	5065.08	5372.77	4865.51
2	Sand	7.36	2984.08	3209.20	3454.13	3454.13	3275.39
3	Stone Ballast	8.66	3274.70	3853.59	4259.69	4259.69	3911.92
4	Lime	12.12	3205.13	3846.15	4326.92	4647.44	4006.41
5	Timber	4.76	5814.24	6478.21	6958.13	6958.13	6552.18
6	Cement	4.33	2135.58	2135.58	2135.58	2135.58	2135.58
7	STEEL	4.33	2025.13	2153.23	2138.62	2217.94	2133.73
8	SLABS SHEET, TILES	8.22	1174.54	1267.43	1267.43	1267.43	1244.21
9	PAINT & VARNISH	0.87	2167.14	2396.76	2589.17	2589.17	2435.56
10	SHEET GLASS	0.87	1185.19	1333.33	1333.33	1481.48	1333.33
11	Sanatory Wares	8.66	1672.96	1799.94	1918.47	1918.47	1827.46
INDEX OF BUILDING MATERIAL		61.04	2709.64	3056.16	3295.11	3371.63	3108.14
B.	LABOUR						
	1. Manson	19.05	3722.94	4245.31	4585.86	4926.41	4370.13
	2. Carpenter	1.73	3722.94	4245.31	4585.86	4926.41	4370.13
	3. Un- Skiled Labour	18.18	5032.94	5770.75	6508.56	7246.38	6139.66
	(A) MALE		4848.48	5454.55	6060.61	6666.67	5757.58
	(B) FEMALE		5217.39	6086.96	6956.52	7826.09	6521.74
INDEX OF LABOUR		38.96	4334.23	4957.13	5483.06	6008.98	5195.85
GENERAL INDEX		100.00	3342.58	3796.78	4148.02	4399.14	3921.63

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2012

S. N	Item	WEIGHT	QUARTER				Average
			Mar-12	Jun-12	Sep-12	Dec-12	
1	Bricks	0.86	5063.25	5339.44	5291.82	5291.82	5246.58
2	Sand	7.36	3559.24	3559.24	4289.72	3797.30	3801.38
3	Stone Ballast	8.66	4259.69	4259.69	5324.00	4743.85	4646.81
4	Lime	12.12	4967.95	5128.21	5448.72	5769.23	5328.53
5	Timber	4.76	6958.13	7166.84	7251.86	7251.86	7157.17
6	Cement	4.33	2331.50	2331.50	2311.91	2194.36	2292.32
7	STEEL	4.33	2692.94	2693.78	2344.09	2312.66	2510.87
8	SLABS SHEET, TILES	8.22	1374.58	1375.81	1396.30	1396.30	1385.75
9	PAINT & VARNISH	0.87	2719.22	2719.22	2719.22	2887.32	2761.25
10	SHEET GLASS	0.87	1481.48	1481.48	1511.11	1511.11	1496.30
11	Sanatory Wares	8.66	2085.25	2085.25	2085.25	2085.25	2085.25
INDEX OF BUILDING MATERIAL		61.04	3531.12	3583.33	3868.99	3782.78	3691.56
B.	LABOUR						
	1. Manson	19.05	5266.96	5266.96	5607.50	5607.50	5437.23
	2. Carpenter	1.73	5266.96	5266.96	5607.50	5607.50	5437.23
	3. Un- Skiled Labour	18.18	7741.77	7741.77	8418.97	8418.97	8080.37
	(A) MALE		6787.88	6787.88	7272.73	7272.73	7030.31
	(B) FEMALE		8695.65	8695.65	9565.22	9565.22	9130.44
INDEX OF LABOUR		38.96	6421.78	6421.78	6919.43	6919.43	6670.61
GENERAL INDEX		100.00	4657.32	4689.19	5057.44	5004.82	4852.19

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2013

S. N	Item	WEIGHT	QUARTER				Average
			Mar-13	Jun-13	Sep-13	Dec-13	
1	Bricks	0.86	5063.25	5001.95	5247.37	5438.34	5187.73
2	Sand	7.36	3797.30	3684.35	4107.14	4402.47	3997.82
3	Stone Ballast	8.66	4743.85	4743.85	4968.07	5076.25	4883.01
4	Lime	12.12	5769.23	5769.23	5769.23	5929.49	5809.29
5	Timber	4.76	7251.86	7251.86	7464.40	7464.40	7358.13
6	Cement	4.33	2194.36	2115.99	2115.99	2115.99	2135.58
7	STEEL	4.33	2315.64	2315.64	2315.64	2323.27	2317.55
8	SLABS SHEET, TILES	8.22	1396.30	1396.30	1413.41	1425.66	1407.92
9	PAINT & VARNISH	0.87	2887.32	2887.32	3120.33	3319.71	3053.67
10	SHEET GLASS	0.87	1511.11	1511.11	1629.63	1659.26	1577.78
11	Sanatory Wares	8.66	2085.25	2085.25	2085.25	2147.44	2100.80
INDEX OF BUILDING MATERIAL		61.04	3779.77	3759.73	3869.86	3969.61	3844.74
B.	LABOUR						
	<u>1. Manson</u>	19.05	5948.05	5948.05	6447.33	6447.33	6197.69
	2. Carpenter	1.73	5948.05	5948.05	6447.33	6447.33	6197.69
	3. Un- Skiled Labour	18.18	9156.79	9156.79	9459.82	9459.82	9308.30
	(A) MALE		7878.79	7878.79	8484.85	8484.85	8181.82
	(B) FEMALE		10434.78	10434.78	10434.78	10434.78	10434.78
INDEX OF LABOUR		38.96	7445.35	7445.35	7853.05	7853.05	7649.20
GENERAL INDEX		100.00	5207.88	5195.65	5421.71	5482.60	5326.96

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2014

S. N	Item	WEIGHT	QUARTER				Average
			Mar-14	Jun-14	Sep-14	Dec-14	
1	Bricks	0.86	5519.41	5673.75	5817.09	5864.71	5718.74
2	Sand	7.36	4156.36	4260.39	4395.60	4460.51	4318.22
3	Stone Ballast	8.66	5096.79	5197.14	5267.85	5267.85	5207.41
4	Lime	12.12	5929.49	6153.85	6282.05	6282.05	6161.86
5	Timber	4.76	7464.40	7464.40	7464.40	7464.40	7464.40
6	Cement	4.33	2155.17	2272.73	2351.10	2351.10	2282.53
7	STEEL	4.33	2332.57	2347.71	2378.65	2386.12	2361.26
8	SLABS SHEET, TILES	8.22	1432.41	1451.79	1462.20	1462.20	1452.15
9	PAINT & VARNISH	0.87	3367.29	3510.21	3688.33	3836.56	3600.60
10	SHEET GLASS	0.87	1659.26	1748.15	1748.15	1748.15	1725.93
11	Sanatory Wares	8.66	2147.44	2260.04	2347.83	2347.83	2275.79
INDEX OF BUILDING MATERIAL		61.04	3949.02	4053.82	4131.78	4142.92	4069.39
B.	LABOUR						
	<u>1. Manson</u>	19.05	6447.33	7128.43	7128.43	7128.43	6958.16
	2. Carpenter	1.73	6447.33	7128.43	7128.43	7128.43	6958.16
	3. Un- Skiled Labour	18.18	9459.82	10935.44	10935.44	10935.44	10566.54
	(A) MALE		8484.85	9696.97	9696.97	9696.97	9393.94
	(B) FEMALE		10434.78	12173.91	12173.91	12173.91	11739.13
INDEX OF LABOUR		38.96	7853.05	8904.90	8904.90	8904.90	8641.94
GENERAL INDEX		100.00	5470.03	5943.80	5991.39	5998.19	5850.85

INDEX OF BUILDING CONSTRUCTION COST
BASE YEAR 1971=100
CENTRE -JAIPUR
YEAR 2015

S. N	Item	WEIGHT	QUARTER				Average
			Mar-15	Jun-15	Sep-15	Dec-15	
1	Bricks	0.86	6001.22	6137.73	6137.73	5851.04	6031.93
2	Sand	7.36	4777.40	5865.34	6022.55	5854.47	5629.94
3	Stone Ballast	8.66	5354.25	4850.79	4850.79	4850.79	4976.66
4	Lime	12.12	6538.46	6730.77	6730.77	6730.77	6682.69
5	Timber	4.76	7464.40	7464.40	7438.89	7294.37	7415.52
6	Cement	4.33	2351.10	2115.99	2037.62	1880.88	2096.40
7	STEEL	4.33	2370.13	2290.68	2147.64	2094.52	2225.74
8	SLABS SHEET, TILES	8.22	1464.84	1475.77	1481.47	1481.47	1475.89
9	PAINT & VARNISH	0.87	3836.56	3609.80	3609.80	3609.80	3666.49
10	SHEET GLASS	0.87	1748.15	1748.15	1748.15	1748.15	1748.15
11	Sanatory Wares	8.66	2347.83	2347.83	2347.83	2347.83	2347.83
INDEX OF BUILDING MATERIAL		61.04	4245.45	4321.23	4323.26	4272.80	4290.69
B.	LABOUR						
	1. Manson	19.05	8490.62	8490.62	8490.62	8490.62	8490.62
	2. Carpenter	1.73	8490.62	8490.62	8490.62	8490.62	8490.62
	3. Un- Skiled Labour	18.18	10935.44	10935.44	10935.44	10935.44	10935.44
	(A) MALE		9696.97	9696.97	9696.97	9696.97	9696.97
	(B) FEMALE		12173.91	12173.91	12173.91	12173.91	12173.91
INDEX OF LABOUR		38.96	9631.45	9631.45	9631.45	9631.45	9631.45
GENERAL INDEX		100.00	6343.83	6390.09	6391.33	6360.53	6371.45

Appendix-I

List of commodities and their variation which are included in the Index of Prices of Building Material –

S.No.	Material with varieties	Unit
1.	Bricks 1. first class 2. Second class 3. Third class	Thousand " " "
2.	Sand 1. Coarse 2. Medium 3. Fine	CuMetre " " "
3.	Stone ballast 1. 15 MM Guage 2. 20 MM Guage 3. 40 MM Guage	Cu Metre " " "
4.	Lime 1. Slaked 2. Un Slaked	Quintal " "
5.	Timber 1. C P Teak 2. Burma Teak 3. Deodar 4. Kail 5. Sal wood 6. Pine	Cu Metre " " " " " "
6.	Cement	M Ton
7.	Steel	M Ton
A.	M.S. Round Bars 1. 6 MM Diameter 2. 10 MM Diameter 3. 12 MM Diameter 4. 16 MM Diameter 5. 20 MM Diameter 6. 25 MM Diameter	" " " " " "
B.	M.S. Flat Iron 1. 30*12 MM Diameter 2. 40*12 MM Diameter	M Ton " "

C. Angle Iron	1. 25*25*5 MM Diameter 2. 40*40*6 MM Diameter 3. 45*45*6 MM Diameter 4. 50*50*6 MM Diameter 5. 65*65*6 MM Diameter 6. 75*75*6 MM Diameter	M Ton " " " " "
D. M.S. Sheets	I Plain 1. 1.00 MM Thickness 2. 1.25 MM Thickness 3. 1.60 MM Thickness	M Ton " " "
	II Corrugated 0.63 MM Thickness	M Ton " "
E. M.S. Tees	1. 40*40*6 MM Diameter 2. 50*50*6 MM Diameter 3. 60*60*6 MM Diameter 4. 80*80*6 MM Diameter	M Ton " " " "
F. M.S. Channels	1. 150*75 MM Diameter 2. 125*65 MM Diameter 3. 200*75 MM Diameter	M Ton " " "
G. Girders	1. 100*50 MM Diameter 2. 125*75 MM Diameter 3. 600*210 MM Diameter	M Ton " " "
H. Building Wire	1. 10 Gauge 2. 20 Gauge 3. 30 Gauge	M Ton " " "
8. Stone Slab for Flooring		100 Sq. Meter
9. Asbestos Cement Sheets	1. Corrugated 2. Others	M Ton " "
10. Tiles	1. Country Tiles 2. Manglore Tiles 3. Glazed Tiles	Thousand " " "

11.	<u>Paints & Varnishes</u>		
1.	Special Paint for wood & steel work	Litre	
2.	Varnish Paints	Kg.	
3.	Copal Varnish	Litre	
4.	Turpentine	Litre	
5.	Distemper	5 Kg	
12.	<u>Sheet Glass</u>		Sq. Meter
13.	<u>Sanitary Wares</u>		
A.	<u>S. W. Pipes</u>		Each
1.	100MM Diameter	"	
2.	150MM Diameter	"	
B.	<u>A. C. Pipes</u>		Per Meter
1.	100MM Diameter	"	
2.	150MM Diameter	"	
C.	<u>Sinks</u>		Each
1.	White without Fittings 612*457*254	"	
2.	White with Fittings 612*457*254	"	

Appendix-II

Categories of Workers which are included in the Index of Wages of Labour engaged in Construction of Buildings-

S.No.	Category of Workers
1.	Masons (First Class)
2.	Masons (Second Class)
3.	Carpenter (First Class)
4.	Carpenter (Second Class)
5.	Unskilled Workers (Male)
6.	Unskilled Workers(Female)