Building Material Prices & Wages of Labour

A STATISTICAL COMPENDIUM

2014

सत्यमेव जयते

Government of India
Ministry of Housing and Urban Poverty Alleviation
NATIONAL BUILDINGS ORGANISATION

BUILDING MATERIAL PRICES AND WAGES OF LABOUR

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एम. वेंकैया नायडु
M. VENKAIAH NAIDU

सत्यमेव जयते

शहरी विकास,
आवास और शहरी गरीबी उपशमन एवं
संसदीय कार्य मंत्री
भारत सरकार
**MINISTER OF URBAN DEVELOPMENT,
HOUSING & URBAN POVERTY ALLEVIATION
AND PARLIAMENTARY AFFAIRS
INDIA**

MESSAGE

I am happy to note that the National Buildings Organization (NBO), has taken significant steps in developing and maintaining a database of relevant indicators of housing and building related activities. Construction sector including housing are among the primary drivers of economic growth.

"Building Material Prices and Wages of Labour- A Statistical Compendium, 2014" is an effort at disseminating valuable information on prices of basic building materials and wage rates of various kinds of labour engaged in construction activity in respect of identified Million-plus cities and Class-I cities.

I compliment the Organization for bringing out this Compendium with data pooled from various sources in a single document. The Compendium gives an insight into the broad trend in prices of selected building materials and wage rates of construction workers and offers a glimpse of the inter-regional variation in these indicators.

I am confident that the Compendium will serve as a reference for policy-makers, planners, administrators, researchers, civil society partners and other stakeholders.

Mvaidu

(M.Venkaiah Naidu)

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राव इन्द्रजीत सिंह
RAO INDERJIT SINGH

सत्यमेव जयते

स्वच्छ भारत
एक कदम स्वच्छता की ओर

राज्य मंत्री (स्वतंत्र प्रभार)
योजना मंत्रालय तथा राज्य मंत्री, शहरी विकास
एवं आवास और शहरी गरीबी उपशमन मंत्रालय
भारत सरकार, नई दिल्ली-110001
Minister of State (Independent Charge) for
Ministry of Planning and MoS for Ministry
of Urban Development and Ministry of
Housing & Urban Poverty Alleviation,
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MESSAGE

The National Buildings Organization (NBO), an attached office of the Ministry of Housing & Urban Poverty Alleviation, has been making consistent efforts at developing a data base on various aspects of housing and building construction activities.

Growing urbanization in the country is exerting pressure on the housing sector and there is a pressing need to generate and improve on building and construction statistics. Information regarding current housing and building activity being carried out in the nation would serve useful for policy makers in devising suitable housing solutions. In this regard, organizations such as NBO have an important role to perform.

Regular flow of reliable data on housing and construction activities has assumed all the more significance in view of renewed thrust of the Government on housing programmes both at the central as well as the State level. This Compendium will be a valuable document for policy makers, both at the Centre and State levels, as well as for academicians, researchers and others associated with the building and construction industry.

I compliment the team of officers in NBO for bringing out this publication.

(Inderjit Singh)

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सत्यमेव जयते

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SECRETARY
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MINISTRY OF HOUSING
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MESSAGE

"Building Material Prices and Wages of Labour - A Statistical Compendium, 2014" is the latest in the series of the NBO's statistical publications. The relevant statistics obtained from Directorate of Economics and Statistics (DES) of various State/UT Governments have been collated to present information on prices of basic building materials as well as wages rates of construction workers in identified Million-plus cities and Class-I cities.

The basic building materials in respect of which data has been compiled include Bricks, Cement, Stone slab for Flooring, Stone Ballast, Sand, C.P. Teak, Salwood, S.W. Pipes and Tiles. Also, data regarding the rate and trend in wages of labour engaged in construction activities viz., masons, carpenters and unskilled labour-male & female in respect of selected centres across the country has been presented in this Compendium. The inter-regional variation in prices of basic building materials and wages of labour have also been meaningfully captured.

Prices of basic building materials and wage rates of construction workers have implications for the affordability of houses particularly for the Economically Weaker Sections and Lower Income Groups. Analysis of the movement of such prices and wages over time and across regions serves a useful purpose.

NBO should continue to compile such important information on building construction activities in a regular manner and I wish the Organization success in its endeavours.

(N. CHATTERJEE)

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सत्यमेव जयते

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FOREWORD

National Buildings Organization (NBO) is the data Centre on relevant aspects of building construction, housing and slum statistics. As part of its database and MIS development activities, NBO has been entrusted with also bringing out various statistical publications. In pursuance of the relevant recommendations of the National Statistical Commission (2001) and a Technical Advisory Committee (2006), NBO has been collecting data on Building Permits and Completion Certificate, wages of labour and building materials' price and publishing it.

"Building Material Prices and Wages of Labour- A Statistical Compendium, 2014" provides the prices of basic building materials and wage rate of workers engaged in construction industry and presents a systematic analysis of the movement of such prices and wages in selected cities/towns having population of more than one lakh as per Census 2011. The information has been compiled for the years 2011, 2012 and 2013 and it has been sourced from the Directorate of Economics and Statistics (DE&S) of respective State Government

The previous Compendium was published in 2012 in two separate volumes regarding (i) Building Materials Price and (ii) Wages of Construction Labour. It contained information for the years 2007 through 2010. The present report, however, has been compressed in one single volume.

I acknowledge the efforts put in by the team comprising Shri Santanu Mitra, ex-Director General, Shri Animesh Bharti, ex-Director, Shri Umraw Singh, Additional Economic Adviser, Shri V. Ethiraj, Deputy Director, Shri Atul Kumar Sharma, Research Officer, Sh. N.K. Dhania, SSO, and Sh. Santosh Saurabh, SSO who were ably supported by Ms. Paloma Sengupta, Shri Uma Maheswararao Atla, Ms. Sakshi Sabharwal, Ms. Sumedha Sharma, Ms. Neelam Singh and Dr. Priyanka S. Bhadouria, Consultants, in bringing out this Compendium.

I thank the respective DES of various State Governments who have been instrumental in the compilation of information and its transmission to NBO. With their active support and cooperation, the time lag in preparation of subsequent compendium would be minimized.

(S.K.Tewari)

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LIST OF ACRONYMS

BRIKS	Building Related Information Knowledge System
C.P. Teak	Central Province Teak
Cu. F.	Cubic Feet
Cu. Mt.	Cubic Meter
DES	Directorate of Economics and Statistics
GDP	Gross Domestic Product
GVA	Gross Value Added
M.T.	Metric Ton
NCAER	National Council of Applied Economic Research
SW Pipe	Soil Waste Pipe
Ist Quarter	Period from 1st January - 31st March
IInd Quarter	Period from 1st April - 30st June
IIIrd Quarter	Period from 1st July - 30st September
IVth Quarter	Period from 1st October - 31st December

1 Introduction

1.1 'Construction' comprising residential buildings, non-residential building and others is one of the important economic sectors of the national economy**.** This sector is poised for growth on account of industrialization, urbanization, economic development and people's rising expectations for improved quality of living. The contribution of construction sector to India's GDP has been of the order of around 8.0% in recent years. This trend is likely to continue as a vibrant economy and rising personal incomes would drive demand for commercial and residential properties and also contribute to employment generation. As per study by National Council of Applied Economics and Research (2014), during 2009-10 approximately 616 lakh workers were engaged in the construction sector and another 7.6 lakh workers in real estate. Also residential construction (housing sector) accounts for 1.24% of the total output of the economy (total construction sector is 11.39%), 1.00% of GDP (total construction sector is 8.2%) and 6.86% of the employment (total construction sector is 11.52%).[1]

1.1.2 Housing has been a thrust area of the Government of India right from the First Five Year Plan. The Government has embarked on massive long term housing programmes for economic welfare. Government spending accompanied by rising private investment is expected to make India one of the largest construction markets which would secure strong demand for building materials. The Government has been providing fiscal incentives to promote housing from both the demand and supply side. Since independence, a large number of schemes were launched with a focus specifically on housing for the poor. These schemes have concentrated on improving housing conditions of industrial workers/economically weaker sections and low income groups by providing subsidy in various forms. These programmes have contributed substantially towards the positive growth in the total housing stock which has increased from 52.06 million in 2001 to 78.48 million units in 2011.

1.1.3 Any economic activity has both direct and indirect economic benefits. Same is the case with the housing sector, a vital component of construction sector. It is evident that housing and construction activities provide a significant stimulus for other sectors to grow and is intimately linked to the country's economy. There are approx. 250 industries directly or indirectly allied to this one sector alone. This sector has strong backward and forward linkages with other sectors of the economy. One of the major effects of this sector is considered to be employment and the other is on construction materials particularly cement and steel. Almost 100% of cement production is consumed in construction and about 60 - 65% of steel production goes into construction (Planning Commission, Report on the Working Group on Construction for the 11th Five year Plan pp. 25). The forward linkage is with the economic sectors dealing with the items that people need to put in their new homes, such as furniture, consumer durables, furnishings, and so on, demand for which also gets a fillip.

1.1.4 The construction sector has powerful multiplier effects on generation of income and employment in the economy. Multiplier effects are one of the fundamental mechanisms of local and regional development and occur when one type of economic activity affects another. Multiplier effects are driven primarily by market forces. An increase (or decrease) of one type of economic activity in a given city or region or the economy prompts an increase (or decrease) in demand for goods and services, which then triggers the development of other types of economic activity in the same region or city or the economy.[2] This analyses how a change in final

[1] NCAER Report (2014), Impact of Investment in the Housing Sector on GDP and Employment in the Indian Economy, Study supported by DFID and Ministry of Housing and Urban Poverty Alleviation.

[2] B. Domansk and G. Krzyszt of (2010), "Multiplier effects in Local and Regional Development" Questiones Geographicae, 29 (2), pp.1.

demand of a sector affects the final demand of the economy. There are two types of multiplies i.e. Type I and Type II, where Type I multiplier is the ratio of direct and indirect changes to the direct change due to a unit increase in final demand. Type II multiplier is the ratio of total output changes (direct + indirect + induced) to the direct output change due to a unit increase in final demand (NCAER Report, 2014). The construction sector ranks 5th and 7th in terms of employment multipliers of Type-I & II respectively. Housing sector is the fourth largest employment generating sector, even though 99.41 per cent of the jobs in housing sector are informal jobs. Its labour to output ratio, i.e., number of persons employed to produce a lakh units of output, is 2.34 and is the highest among all the sectors. The type I output multiplier for housing sector is 2.33 and type II is 5.11 i.e. the increase of 1 unit in the final demand of housing translates into induced cumulative revenues of 5.11 units in the economy. For every lakh invested in the housing sector, 2.69 new jobs (2.65 informal and 0.4 formal) are created in the economy. With induced effect, the number of jobs created would be 4.06 (3.95 informal and 0.11 formal). For every investment in the housing sector, the household income increases by Rs. 0.41. With induced effect, this is estimated to be Rs. 0.76.[3]

1.1.5 In view of the significance of the construction sector and residential housing in particular, the National Buildings Organization (NBO) has been entrusted to collect, collate and compile the data of building material prices and wages of labour. The Directorate of Economics and Statistics (DES) of respective States/UTs are the primary sources to furnish the data to the NBO. The purpose of this compendium is to provide the detailed outlook on the significant changes in building material prices and wages of labour in identified Million Plus cities, which have been covered here, as explained in para 2.2.1 ahead. Collection of data on building material prices and wages of labour has been carried out from only urban centers. The data have been collected quarterly for the materials such as Bricks (First Class, Second Class), Sand (Coarse, Medium, Fine) Stone Ballast (15mm gauge, 20mm Gauge, 40mm Gauge) Timber (C P Teak, Sal Wood in Cu. mt.) Cement (White, Ordinary, High strength, Low strength) S.W. Pipe (100 mm) Tiles (Glazed) Stone Slab (100 sq. mts.) etc. The percentage variation from 2011 to 2013 provides the scenario of change in building material prices over these years. The zone wise[4] analysis gives the segregated picture of the price variation from 2011-2013 of building materials in India.

1.1.6 The labour wage is considered as one of the most important parameters to estimate the wage growth in daily wage labour segment. It helps in analyzing cost elements and comparative wages in different economic sectors. The data on labour wages provide the Quarterly average wage rates[5] of four category of labourers such as Mason, Carpenter, Unskilled labour (Male), Unskilled labour (Female). This analysis provides not only the variation in wage among the Million Plus cities but also presents the same zone wise. Also, it enables gender specific comparative profile of wages earned by Male and Female unskilled labourers.

[3] Ibid 1
[4] Zone wise analysis has been done by taking the States pertaining to that zone
[5] The wage rates reported are those prevalent on the last working day of the quarter ending of each year

2 Methodology

Objective and Scope:

2.1.1 The NBO has been mandated to coordinate and collaborate with State Governments/Municipal Authorities/Research & Training Institutions/Statistical Institutes/ International Organizations as a nodal agency catering to data and MIS needs of urban policy-makers, planners and researchers in areas relating to urban poverty, slums, housing, etc. In order to fulfill the mandate, the NBO has developed an MIS to ensure a regular flow of data from the Directorates of Economics and Statistics (DES) of States/Union Territories.

2.1.2 Statistics in the housing sector are needed for the following broad purposes:-

- Housing is a decision with a long term perspective and prospective investors consider a range of feasible options. Prices of building materials and wages of construction labour both are likely to influence the housing construction activity and demand and supply parameters of housing market.
- To conduct evaluation/assessment of housing programmes from time to time.
- To estimate Gross Value Added (GVA) in housing and building construction.
- To estimate the demand/ supply of construction materials, equipment and labour.
- To estimate the requirement of financial resources for implementing the housing programmes.

2.1.3 Despite housing and building construction being an important sector of the economy, availability of housing and building related information/data are inadequate for framing housing policies and programmes. Serious gaps in data are witnessed in housing inventory, current statistics on building activity, consumption of buildings materials, employment of building labour, building costs, methods of financing of housing, etc. Therefore, it has been the endeavor of the NBO to develop systems in States so as to ensure a regular flow of data to the NBO on this sector.

2.1.4 Every State/UT Government collects the primary data on current activities of housing and buildings construction through its field units at district/city level. The NBO takes active support of the Directorate of Economics and Statistics (DES) of the State/ UT Governments for collecting primary data on housing and building construction sector in the country. The DES has its unit level set up in every district in the State. The DES collects regular data for various sectors in the State for various purposes. Since housing is one of the core sectors in the State economy, the DES has the responsibility of collecting the data on housing and buildings construction from Urban Local Bodies/City Development Authorities and also from identified market centres in the identified cities/towns in the prescribed formats developed by the NBO and transmit the data online using the NBO website.

2.1.5 The DES has to coordinate with different agencies in the States and these agencies form the principal source for all housing related data. Identified cities and market centers, as per the procedure recommended by NBO, are the principal data sources for building material prices and wages of construction labour.

2.1.6 BRIKS MIS, available in **http://nbo.gov.in** or **http://briks.gov.in**, is used by the DESs to transmit the housing and buildings related data.

2.2 Coverage:

2.2.1 The NBO used to collect data on prices of basic building materials and wages of labour engaged in construction activities on quarterly basis from 40 identified centers till 2010, covering almost all the State capitals and several other important cities in the country so as to have a representative all-India sample. From 2011 onwards, the coverage was enlarged across India for collection of data from identified major cities having a population of more than one lakh as per Census 2011 which includes Million Plus cities as well. The detailed analysis in this report, however, covers data from Million Plus cities (31*) for the years 2011, 2012 and 2013 and the appendix contains data in respect of Class I cities (100*). The coverage is envisaged to gradually increase upto 300 cities.

The States covered in the zone wise analysis are

North Zone	: Jammu and Kashmir, Punjab, Haryana, Uttarakhand, Himachal Pradesh
Central Zone	: Uttar Pradesh, Madhya Pradesh
South Zone	: Andhra Pradesh, Karnataka, Kerala
East Zone	: Assam, Meghalaya, Mizoram, Odisha
West Zone	: Gujarat, Rajasthan

2.3 Collection of Data on Prices of Building Materials:

2.3.1 It is very important to know the trend in the material cost variations at different times in the city. This data are used to compile a material price index by respective State Governments. A comparative analysis among cities in the State can then be worked out. As a part of development of statistics on current housing and building activity, NBO also collects data on prices of building materials and wage of construction labour from various centres in States and Union Territories.

2.3.2 The main aim of collection of data on retail prices is to know the change in price of the prescribed quantity and quality of material at a particular center at a particular time. Price data have to be collected at a set pattern for pre decided items and while collecting data on building material price the following factors have to be strictly followed:

1. Price of the same quality to be collected every time
2. Unit must be the same
3. Quantity must be the same
4. Price must be collected from the designated shop and pre decided market of the centre
5. Price must be collected on the last working day of each quarter
6. Price should be the one the builder actually paid; it should include the sales tax and local tax, if any
7. Data have to be collected without interval/break

2.3.3 In case prescribed grade and variety of an item is not available in the selected shop, the price for the same item is collected from a reserved shop. If that is also not available, the price may be collected for the prescribed

* The number of cities may vary depending upon the availability of data for the relevant category of building material

quality and quantity in any other shop in the market. In case prescribed quality is not available, commonly used quality may be selected.

2.3.4 The Directorate of Economics and Statistics (DES) may collect this information through any State authority the DES may find suitable in the format prescribed by NBO. At present about 125 centers in different states are collecting and transmitting this data through the online channel using the Building Related Information Knowledge System (BRIKS) MIS.

2.4 Collection of Data on Building Construction Labour wage

2.4.1 Every city has certain places where the construction labour generally gathers in the morning hours. At these locations, data are collected in the following manner:

1. The prevailing wage rate is collected on the last working day of each quarter.
2. Wage rates are to be collected from the same centre, every quarter, for each specified category of worker possessing a particular skill, experience and efficiency.
3. All remuneration capable of being expressed in terms of money and payable to employee should be taken into account.

3 Highlights and Findings

Highlights and Findings

3.1.1 This compendium on Building Material Prices and Wages of Labour-2014 contains information on price of building materials such as Bricks, Sand, Stone Ballast, C.P. Teak, Salwood, Cement, S.W. Pipe, Tiles, Stoneslab, and wages of labour [Mason, Carpenter, Unskilled (Male), Unskilled (Female)] across selected cities covered here from 2011 to 2013. The coverage for data collection and number of materials was increased in this compendium compared to the previous publication. The analysis in respect of Class 1 cities was initiated in order to enlarge the perspective of building material prices and wages of labour.

3.1.2 The methodology regarding collection of data has been explained in Chapter 2.3. The range of price in respect of certain materials across cities may be observed to be high and there may be few outliers. The possible reasons which may explain such variation would include lack of availability of raw material in the region to produce the final product, specificity/peculiarity associated with geographical location, distortions in demand and supply of specific material, price of near substitute material being quoted vis-à-vis identified material etc.

3.1.3 Some of the key findings based on the analysis of data are stated below.

Building Material Prices:

- The average price of Bricks (first class) varied significantly from Rs.2600/- per thousand in Kota to Rs.10250/- in Kozhikode during 2011. Kanpur recorded the highest increase of 31.3% in the price of Bricks (first class) during 2013 over the prices of 2012 whereas Rajkot recorded a decrease of (-)2.0 % in the average price of bricks during 2012 over the price of Bricks (first class) during 2011.
- The highest price of Sand (coarse) at Rs.1188/- per cubic meter was recorded in Thiruvanatapuram, while the lowest price of Rs.450/- per cubic meter prevailed in Chandigarh in 2013.The average price of Sand (coarse) recorded an increase of 26.1% in Kochi during 2013 over the price of 2012, at the same time Rajkot showed a decline of (-) 5.9% in 2013 over the price of previous year.
- The average price of Stone Ballast (20 mm gauge) varies from Rs.530/- per cubic meter in Ludhiana to Rs.1669/- per cubic meter in Ghaziabad during 2013. Varanasi recorded a decline of (-) 4.1 % in the average price of Stone Ballast (20 mm gauge) during 2012 over the price of 2011. The highest increase of 33.3 % is found in Allahabad during 2013 over the average prices of 2012.
- The price of C.P. Teak in Kollam was the highest at Rs. 174785/- per cubic meter, while the price in Kota was the lowest at Rs.33000/- per cubic meter during 2013.Varanasi showed an increase of 29.9 % during 2012 over the average price of 2011, whereas Hyderabad showed an increase of 25.2 % in 2013 over the average price of 2012.
- Salwood prices were the highest at Rs.83313/- per cubic meter in Varanasi while the price in Kota was the lowest at Rs. 22000/- per cubic meter during 2013.The average of Salwood showed an increase of 28.1 % in Agra during 2012 over the average price of Salwood in 2011. In 2013, 38.6 % increase in the average price of Salwood in Agra over the average price of previous year.
- Hyderabad and Chandigarh recorded the lowest average price of Cement (high strength) at Rs.5200/- per metric ton during 2013 and highest price of Rs.8000/-per metric ton was recorded in Bhopal in

the same year. The highest increase in the prices of Cement (high strength) at 11.1 % during 2013 of Thiruvananthapuram over the prices of 2012 whereas, Allahabad during 2012 is showed 11.4 % increase as compared to average price during 2011.

- The highest average price of SW pipe (100mm diameter) at Rs.88/-prevailed in Ahmadabad in 2013, at the same time this price was remained at Rs.50/- in Amritsar and Lucknow. An increase of 36.4 % in Vishakhapatnam, and a decrease of (-) 0.3% is found in Allahabad city during 2013 over the price of 2012.
- The average price of Tiles (glazed) varied significantly from Rs.12000/- per thousand in Kota to Rs.62500/- per thousand in Kannur during 2013. The prices of Tiles (glazed) gradually increased from 2011 to 2013 for Allahabad city. An increase of 16.7% is found in Hyderabad and Bhopal during 2012 and 26.4 % in Allahabad during 2013 over the prices of previous years respectively.
- The average prices of Stone Slab for flooring (100 sq.mts.) varied from Rs.10600/- in Srinagar to Rs.68860 in Kannur during 2013. The lowest average price of Stone Slab for flooring (100 sq.mts.) is found for the Srinagar city for all the three years. Varanasi recorded an increase of 23.9 % during 2012 and Lucknow recorded 20.7 % increase in the average prices of Stone Slab in 2013 over the previous year prices respectively.
- Zone wise analysis of the average prices of Bricks (first class) indicates that the average price increased every year since 2011.In the east zone especially bricks prices were highest for all three years compared to other zones. The highest 14.0 percentage variation during 2012 and 9.21 percentage variation during 2013 over the price of previous year respectively is observed in Central zone.
- Zone wise the highest average price of Sand (coarse) at Rs.819/- per cubic meter was recorded in South zone during 2013 while the lowest price of Rs.431/- per cubic meter prevailed in West zone during 2011. The average price of Sand (coarse) recorded an increase of 11.49%, 9.81% in West zone during 2012,2013 over the price of 2011and 2012 respectively.
- Zone wise the average price of Stone Ballast (20 mm gauge) varies from Rs.735/- per cubic meter in North zone during 2011 to Rs.1271/- per cubic meter in Central zone during 2013. East zone recorded an increase of 12.72% in the average price of Stone Ballast (20 mm gauge) during 2012 over the price of 2011. The highest increase of 16.77 % is found in North zone during 2013 over the average prices of 2012.
- Zone wise the price of C.P. Teak in south zone was the highest at Rs. 93040/- per cubic meter while the price in East zone was the lowest at Rs.40744/- per cubic meter during 2013.West zone showed an increase of 8.0 % during 2012 over the average price of 2011, whereas North zone showed a decrease of (-)0.49 % in 2013 over the average price of 2012.
- Zone wise Sal wood average prices during 2013 were the highest at Rs.45862/- per cubic meter in South zone while the price in West zone was the lowest at Rs. 33250/- per cubic meter during 2011.The average prices of Salwood showed an increase of 8.9 % in east zone during 2012 over the average price of 2011. In 2013, the average price of Sal wood is increased at 5.6% in Central zone and East zone over the average price of previous year.
- West zone recorded the lowest average price of Cement (high strength) at Rs.5601/- per metric ton during 2011 while highest of Rs.7353/-per metric ton was recorded in East zone during 2013. The

highest increase in the price of Cement (high strength) was recorded in West zone at 7.99 % during 2012 and 8.32% during 2013 over the prices of 2011 and 2012 respectively.

- Zone wise the average prices of Stone Slab for flooring (100 sq.mts.) varied from Rs.25716/- in West zone during 2011 to Rs.41567/- in East zone during 2013. South zone recorded an increase of 2.54 % during 2012 and West zone recorded 3.62 % increase in the average prices of Stone Slab in 2013 over the previous year prices of 2011 and 2012 respectively.
- Zone wise the average price of Tiles (glazed) significantly varied from Rs.16060/- per thousand in West zone during 2011 to Rs.36969/- per thousand in East zone during 2013. An increase of 5.7% is found in Central zone during 2012 over the prices of 2011 and a decrease of (-) 0.5% recorded in the South zone during 2013 over the average prices of previous year.
- The highest average price of S.W. pipe (100mm diameter) at Rs.90/-prevailed in West Zone during 2013, at the same time this price remained at Rs.52/- in East zone during 2011. An increase of 11.1 % in North zone during 2012, and an increase of 11.3% is found in Central zone during 2013 over the price of 2011 and 2012 respectively.

Wages of Labour:

- The average Wage rate of Mason (first class) significantly varied from Rs.731/- in Rajkot to Rs.250/- in Varanasi during 2013. Hyderabad recorded the highest increase of 23.5% in the average wage rate of Mason (first class) during 2012 whereas Kota recorded an increase of 28.6 % in the average wage of Mason during 2013 over the wage rate of 2011 and 2012 respectively.
- The highest average wage of Carpenter (first class) at Rs.850/- was recorded in Thiruvananthapuram in 2013 vis-à-vis Rs.350/- in Bhopal. An increase of 133.0% in Surat and a decrease of (-) 7.1% is found in Bangalore during 2012 over the Wage of 2011 whereas 92.3% increase is found in the average wage of Carpenter (First class) in Allahabad during 2013 over the wages of 2012.
- Unskilled labour (Male) average wage during 2013 was the highest at Rs.650/- in Kollam and Thiruvanantapuram while this wage in Varanasi was the lowest at Rs. 238/-. The average wage of Unskilled (male) showed an increase of 103.9% in Kollam and decline of (-)3.0% in Ahmadabad during 2012 over the average wage in 2011. In 2013, 129.2 % increase in the average wages of Unskilled (male) is found in Allahabad over the previous year average wage.
- Thiruvanantapuram recorded the highest average wage of unskilled (female) at Rs.650/- and lowest wage of Rs.200/- is recorded in Kota during 2013. The highest increase in the average wage of unskilled (female) is observed in Allahabad at 129.2 % during 2013 over the wages of 2012, whereas Ghaziabad showed 127.3 % increase and Ahmadabad showed (-) 14.8% decrease during 2012 as compared to average wages during 2011.
- Zone wise analysis of the average wage rate of Mason (first class) indicates that wages vary from Rs.348/- in North zone during 2011 to Rs. 514/- in West zone during 2013. An increase of 13.4% and 11.0% is found during 2012 and 2013 over the wages of 2011 and 2012 respectively.
- The highest average wage of carpenter (first class) at Rs.480/- prevailed in West Zone during 2013, while it was Rs.348/- in North zone during 2011. A decrease of (-) 2.4 % in South zone during 2012 and an increase of 8.4% in Central zone during 2013 is found over the wage of 2011 and 2012 respectively.

- Zone wise analysis of Unskilled labour (Male) shows that average wage was the highest at Rs.286/- in South zone and West zone during 2013 while in North zone it was the lowest at Rs. 210/- during 2011. The average wage of Unskilled (male) showed an increase of 6.7 % in North zone during 2012 as compared to 2011. The wages remained constant in South zone during 2012 and 2013.
- Central zone recorded the lowest average wage of unskilled (female) at Rs.165/- during 2011 and highest of Rs.242/- is recorded in South zone during 2013. The highest increase in the average wage of unskilled (female) at 12.5 % during 2012 in West zone and a decrease of (-) 0.1% is found in the South zone during 2013 over the wages of 2011 and 2012 respectively.

4 Prices of Building Material –An Analysis

There are many steps involved in house construction that need to be followed: preparation of architectural drawings, structural drawings, obtaining approvals from concerned authorities, etc. After the preparatory work for the construction, the preparation of budget, procurement of material and hiring the contractor have to be done and these processes can be simplified if detailed cost of building materials and wage rates of construction labours are available on a timely basis.

Analyses of average price and percentage variations with respect to selected items i.e., Bricks (first class), Cement (high strength), Stone Slab for Flooring (100 sq.mts.), Stone Ballast (20 mm/gauge), Sand (Coarse), C.P. Teak, Sal wood, S.W. Pipes (100mm diameter) and Tiles Glazed for 2011-2013 have been made available for Million-Plus cities viz. Hyderabad, Kolkata, Chennai, Delhi, Lucknow, Guwahati, Bangalore, Bhopal and Mumbai.

4.1 BRICKS (First Class)

Brick is one of the most important building materials used in building construction. A brick is a block of ceramic material used in masonry construction, usually laid using various kinds of mortar. It has been regarded as one of the long-lasting and strongest building materials used. Two types of bricks, as regards to standards, are mostly used in constructions - first quality (first class) and second quality (second class) and the cost and durability of first quality bricks are much higher in comparison to second quality of bricks.

Classification:

Bricks can broadly be divided into two categories.

(i) Un-burnt or sundried bricks

(ii) Burnt bricks

(i) Un-burnt or Sun dried bricks- Un-burnt or sundried with the help of heat received from sun after the process of molding. These bricks can only be used in the constructions of temporary and cheap structures. Such bricks should not be used at places exposed to heavy rains.

(ii) Burnt Bricks: The bricks used in construction works are burnt bricks and they are classified into the following two categories.

a. First Class bricks: These bricks are table-molded and of standard shape. The surface and edges of the bricks are sharp, square, smooth and straight. These comply with all the qualities of good bricks and are used for superior work of permanent nature.

b. Second class bricks: These bricks are ground molded and they are burnt in kilns. The surface of bricks is somewhat rough and shape is also slightly irregular. These bricks are commonly used at places where brick work is to be provided with a coat of plaster.

Table-1 shows the average prices of Bricks (first class) in Million Plus Cities during 2011 to 2013 and percentage variation during 2012 and 2013 over the years 2011 and 2012. The average prices of Bricks (First Class) varied from Rs. 2600/-per thousand in Kota in 2011to Rs. 10250/- per thousand in Kozhikode in 2013. The average price of Bricks (first class) is constant at Rs. 4800/-, Rs. 5330/-, Rs. 4500/-, Rs. 7000/-, Rs. 10250/-,

Rs. 5000/-, Rs. 3500/- in Chandigarh, Delhi, Srinagar, Bangalore, Kozhikode, Bhopal, Ajmer respectively from 2011 to 2013. The average prices of Bricks (First class) remained constant at Rs. 6138/- in Kochi for two years i.e. during 2011 and 2012.

Table 1 **Average Prices and Percentage Variation of Bricks (First Class) in Million Plus Cities during 2011-2013**

(In Rs. per 1000 Unit)

City Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
Hyderabad	4000	4225	4700	5.6	11.2
Visakhapatnam	4050	4425	5750	9.3	29.9
Chandigarh	4800	4800	4800	0.0	0.0
Delhi	5330	5330	5330	0.0	0.0
Ahmedabad	4638	4988	5215	7.5	4.6
Rajkot	4925	4825	5000	-2.0	3.6
Surat	4200	4600	4600	9.5	0.0
Srinagar	4500	4500	4500	0.0	0.0
Bangalore	7000	7000	7000	0.0	0.0
Kannur	5750	5900	6375	2.6	8.1
Kochi	6138	6138	6250	0.0	1.8
Kollam	4838	5700	5900	17.8	3.5
Kozhikode	10250	10250	10250	0.0	0.0
Malappuram	7438	8813	10156	18.5	15.2
Thrissur	5100	5981	6288	17.3	5.1
Thiruvananthapuram	6013	6825	7449	13.5	9.1
Bhopal	5000	5000	5000	0.0	0.0
Amritsar	4400	4500	4500	2.3	0.0
Ludhiana	4700	4800	4800	2.1	0.0
Ajmer	3500	3500	3500	0.0	0.0
Jaipur	3500	3575	3575	2.1	0.0
Jodhpur	3700	4250	4250	14.9	0.0
Kota	2600	3000	3000	15.4	0.0
Agra	3375	4175	4725	23.7	13.2
Allahabad	4250	5375	5500	26.5	2.3
Ghaziabad	3775	4500	5175	19.2	15.0
Kanpur	3750	4400	5775	17.3	31.3
Lucknow	4500	5525	6900	22.8	24.9
Meerut	3725	4100	5125	10.1	25.0
Varanasi	4625	5600	6900	21.1	23.2
Kolkata	8333	8500	8500	2.0	0.0

Table-1 also indicates the percentage variation in the average prices of Bricks (First Class) during 2012 and 2013 over the years 2011 and 2012. In 2013, Vishakhapatnam and Kanpur recorded significant increase of 29.9 percent and 31.3 percent, respectively over the average prices of Bricks (First class) during 2012. Rajkot recorded a decrease of (-) 2.0 percent in the average price of Bricks (First class) in 2012 over the prices of bricks (First Class) during 2011.

Figure 1 **Average Prices of Bricks (First Class) in Million Plus Cities during 2011-2013**

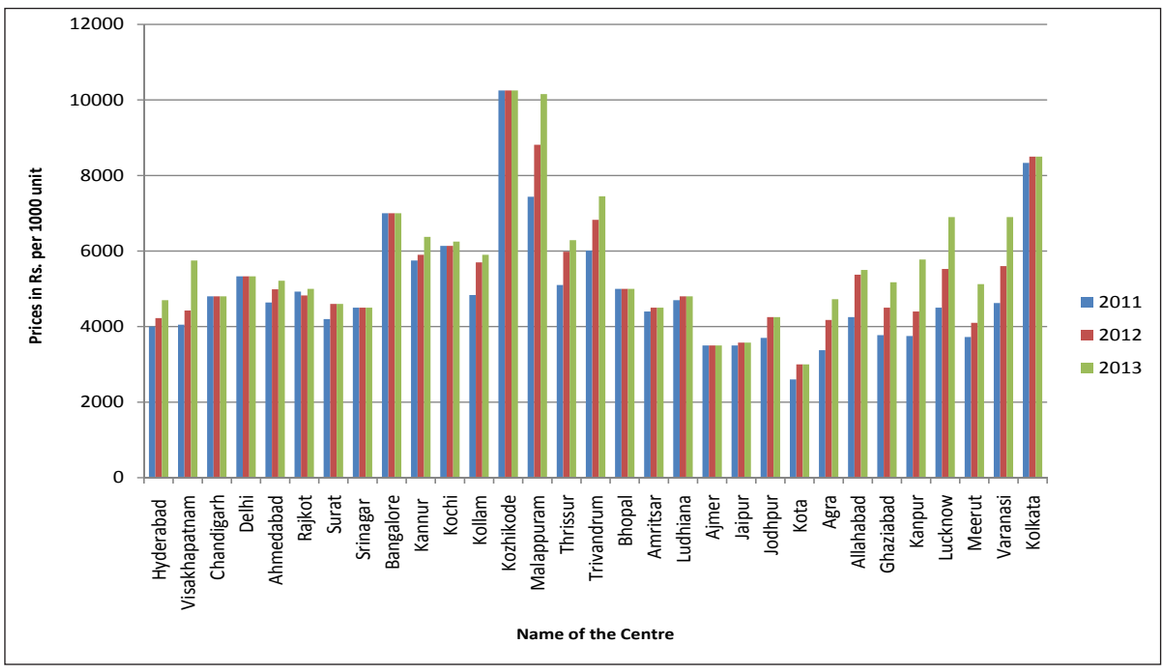
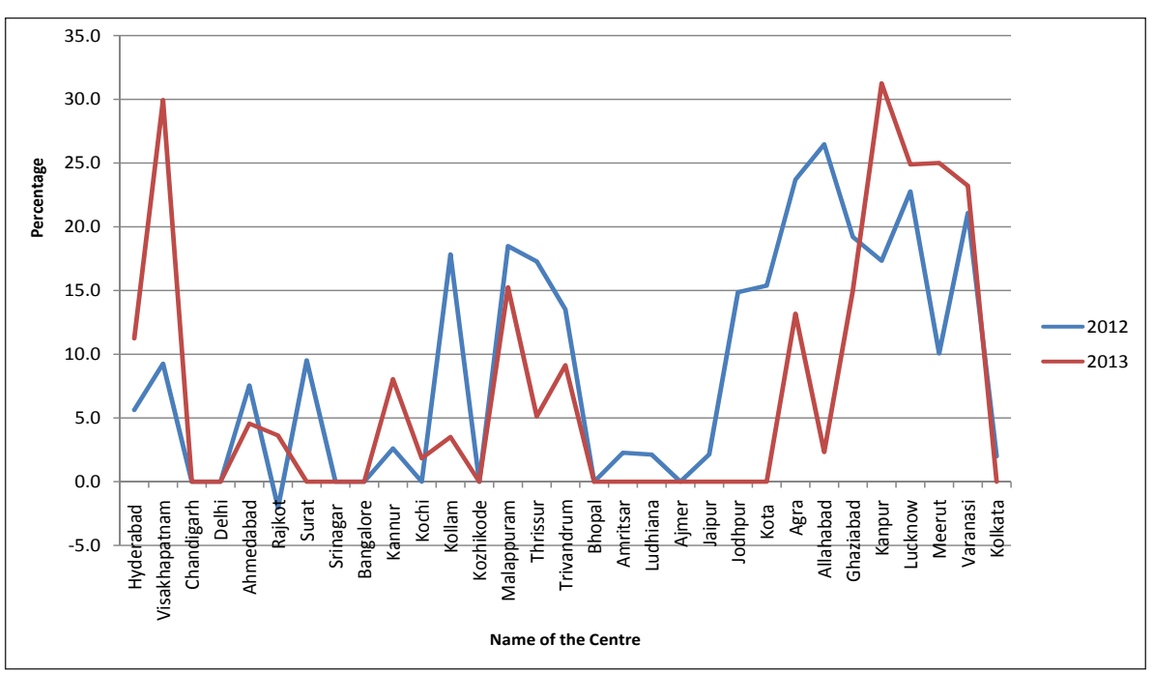


Figure 2 **Percentage Variation of Average Prices of Bricks (First Class) in Million Plus Cities during 2011-2013**



4.2 Sand (Coarse)

Sand (Coarse) is another important building material which is commonly used in building constructions activities. Coarse Sand is commonly used in all types of construction.

According to the size of grains, sand is classified as fine, coarse and gravelly Sand passing through a screen with clear opening of 1.5875mm is known as fine sand. It is generally used for masonry works.

Sand passing through a screen with clear openings of 7.62mm is known as gravelly/medium sand. It is generally used for plastering.

Sand passing through a screen with clear opening of 3.175mm is known as coarse sand. It is generally used for masonry work.

The average price of sand (coarse) for Million Plus cities during 2011 to 2013 and percentage variations in the average price of sand (coarse) during 2012 and 2013 over the years 2011 and 2012 are shown in Table- 2.

Table 2 **Average Prices and Percentage Variation of Sand (Coarse) in Million Plus Cities during 2011 to 2013**

(In Rs. Per Cubic Meter)

City Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
Hyderabad	647	647	647	0	0
Visakhapatnam	600	600	650	0	8.3
Chandigarh	450	450	450	0	0
Delhi	766	766	766	0	0
Ahmedabad	575	669	678	16.3	1.3
Rajkot	963	970	913	0.8	-5.9
Surat	600	625	650	4.2	4.0
Srinagar	750	775	775	3.3	0.0
Bangalore	950	950	950	0	0
Kannur	943	950	950	0.7	0.0
Kochi	625	644	812	3.0	26.1
Kollam	920	988	1090	7.3	10.4
Kozhikode	662	755	948	14.0	25.6
Malappuram	875	875	875	0.0	0.0
Thiruvananthapuram	1000	1100	1188	10.0	8
Bhopal	700	700	700	0.0	0
Amritsar	600	600	600	0.0	0
Ludhiana	650	650	650	0.0	0
Jaipur	680	700	700	2.9	0
Jodhpur	600	650	650	8.33	0
Agra	625	683	700	9.3	2.5
Allahabad	900	938	975	4.2	3.9
Ghaziabad	820	893	905	8.9	1.3
Kanpur	900	937	1032	4.1	10.2
Lucknow	800	875	925	9.4	5.7
Meerut	962	1000	1038	4.0	3.8
Varanasi	850	850	875	0.0	2.9
Kolkata	1013	1025	1025	1.2	0.0

Table-2 Shows the average prices of Sand (Coarse) varies from Rs. 450/- per cubic meter in Chandigarh in 2011 to Rs. 1188/- per cubic meter in 2013 in Thiruvananthapuram. The average price of Sand (Coarse)

remained constant at Rs. 647/-, Rs. 450/-, Rs. 766/-, Rs. 950/, Rs. 875/-, Rs. 700/-, Rs. 600/- and Rs. 650/- per cubic meter during 2011 to 2013 in Hyderabad, Chandigarh, Delhi, Bangalore, Mallapuram, Bhopal, Amritsar and Ludhiana respectively. In 2012 the maximum price of Sand (Coarse) remained at Rs. 1100/- per cubic meter in Thiruvananthapuram followed by Kolkata at Rs.1025/- per cubic meter and Meerut Rs. 1000/- per cubic meter.

The average price of Sand (Coarse) in 2013 for Kochi and Kozhikode demonstrated an increase of 26.1 percent and 25.6 percent, respectively over the average price of 2012. The average price of Sand (Coarse) for Rajkot showed a decline of (-) 5.9 percent in 2013 over the average price of Sand (Coarse) of 2012.

Figure 3 **Average Prices of Sand (Coarse) in Million Plus Cities during 2011-2013**

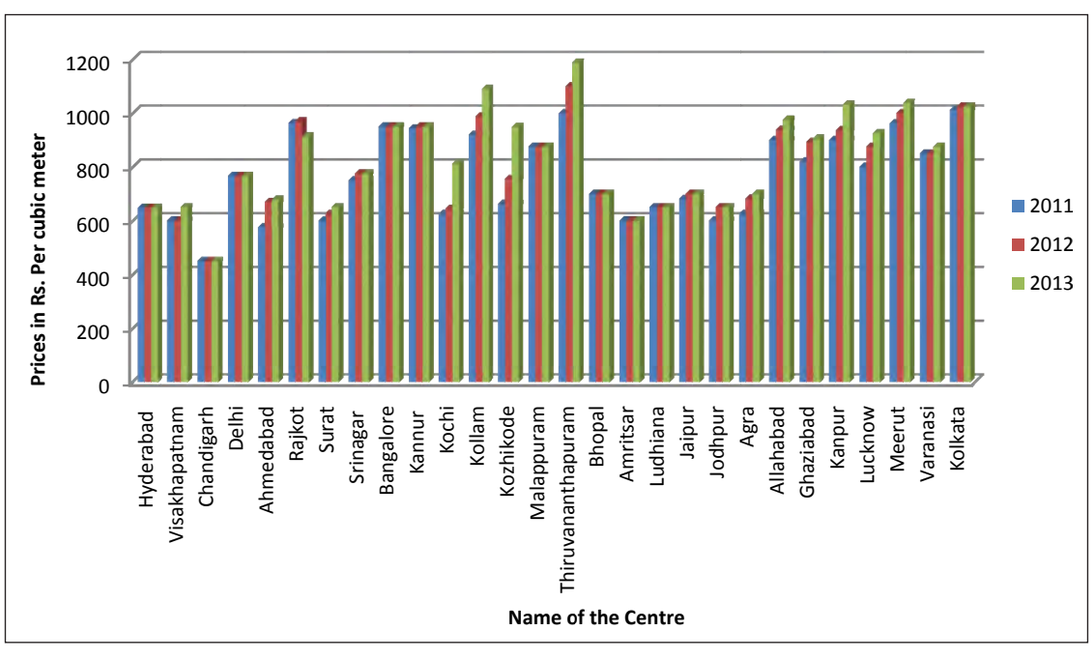
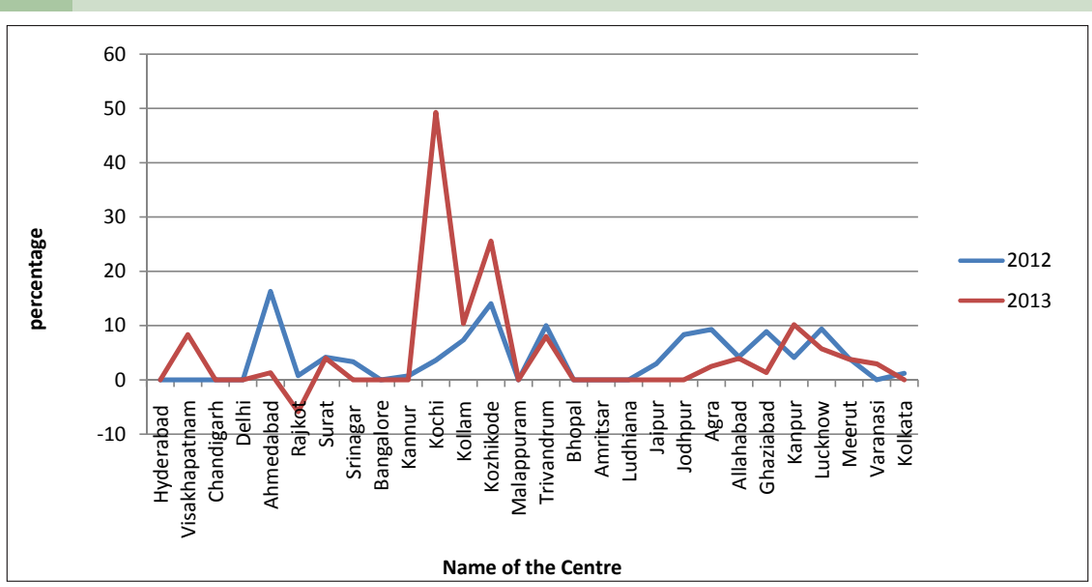


Figure 4 **Percentage Variation of Average Prices of Sand (Coarse) in Million Plus Cities during 2011-2013**



4.3 STONE BALLAST (20mm gauge)

Stone Ballast is also an important building material for construction. Building construction is not complete without the use of stone with bricks and sand. In building construction different sizes of stone ballast are used such as 15mm Gauge, 20mm Gauge, 40mm Gauge, etc. 20mm gauge Stone Ballast is mostly used in construction activities. The average price of stone ballast (20mm gauge) for Million Plus cities during 2011 to 2013 and percentage variations in the average price of stone ballast during 2012 and 2013 over the years 2011 and 2012 are shown in Table- 3.

Table 3 **Average Prices and Percentage Variation of Stone Ballast in Million Plus Cities during 2011 to 2013**

(In Rs. Per Cubic Meter)

City Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
Hyderabad	1162	1162	1166	0.0	0.3
Visakhapatnam	1263	1263	1263	0.0	0.0
Chandigarh	1100	1100	1100	0.0	0.0
Delhi	1337	1337	1337	0.0	0.0
Ahmedabad	1338	1388	1430	3.7	3.1
Rajkot	863	885	914	2.6	3.2
Surat	730	730	800	0.0	9.6
Srinagar	688	688	688	0.0	0.0
Bangalore	600	600	600	0.0	0.0
Kannur	710	710	710	0.0	0.0
Kochi	950	950	1123	0.0	18.2
Kollam	778	778	967	0.0	24.3
Kozhikode	990	1113	1130	12.4	1.6
Malappuram	990	1050	1150	6.1	9.5
Thrissur	636	650	650	2.2	0.0
Thiruvananthapuram	950	1063	1163	11.8	9.4
Bhopal	1500	1500	1500	0.0	0.0
Amritsar	580	580	580	0.0	0.0
Ludhiana	530	530	530	0.0	0.0
Jaipur	770	770	770	0.0	0.0
Jodhpur	500	600	600	20.0	0.0
Agra	944	1088	1236	15.3	13.6
Allahabad	838	863	1150	3.0	33.3
Ghaziabad	1525	1625	1669	6.5	2.7
Kanpur	1000	1194	1316	19.4	10.2
Lucknow	1031	1271	1271	23.3	0.0
Meerut	1434	1546	1654	7.8	7.0
Varanasi	1289	1236	1350	-4.1	9.2

Table-3 shows that the average price of Stone Ballast (20 mm gauge) varies from Rs. 500/- per cubic meter in Jodhpur in 2011 to Rs. 1669/- per cubic meter in Ghaziabad in 2013. The average price of Stone Ballast (20 mm gauge) is constant at Rs. 1263/-, Rs.1100/-, Rs. 1337/-, Rs. 688/-, Rs. 600/-, Rs. 710/-, Rs. 1500/- Rs. 580/-, Rs. 530 and Rs. 770/- in Vishakhapatnam, Chandigarh, Delhi, Srinagar, Bangalore, Kannur,

Bhopal, Amritsar, Ludhiana and Jaipur, respectively from 2011 to 2013. Similarly, price remained constant at Rs. 650/- in 2012 and 2013 in Thrissur and Rs. 1271/- per cubic meter during 2012 and 2013 in Lucknow.

Table-3 also shows the percentage variation in average prices of Stone Ballast during 2012 and 2013 over the years 2011 and 2012. In 2013 the average prices of Stone Ballast (20 mm gauge) increased significantly in Kochi at 18.2 percent, Kollam at 24.3 percent and Allahabad at 33.3 percent over the average prices of 2012. Varanasi recorded decline in the average price of Stone Ballast (20 mm gauge) in 2012 at (-) 4.1 percent over the average price of 2011.

Figure 5 **Average Prices of Stone Ballast in Million Plus Cities during 2011 to 2013**

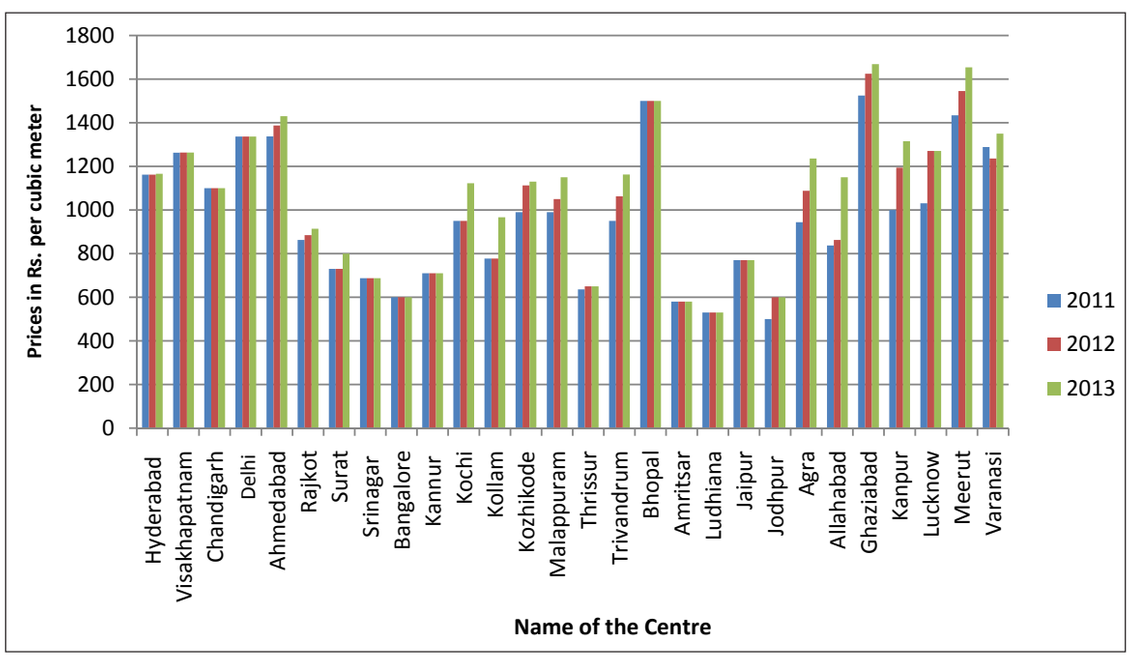
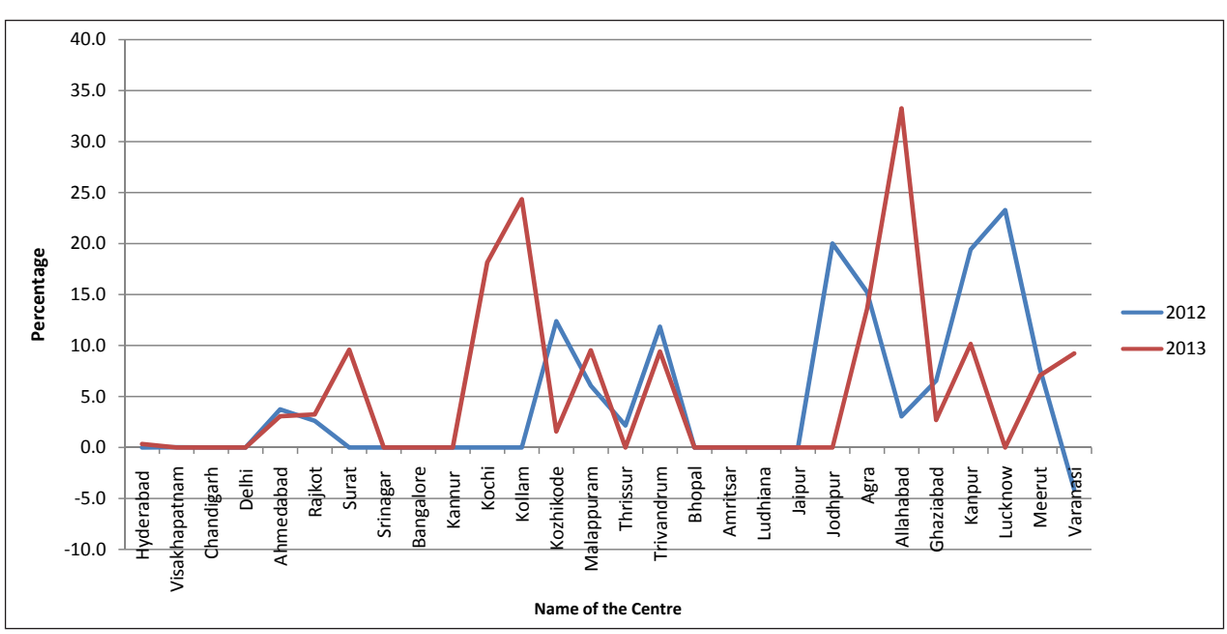


Figure 6 **Percentage Variation of Average Prices of Stone Ballast in Million Plus Cities during 2011 to 2013**



4.4 C.P. TEAK

C.P. Teak, despite its substitutions by other materials in modern days, continues to be a leading building material used in building construction activities.

Teak is the most valuable timber. The harvested timbers were brought to sale depots and sold in public auction. Teak timber from Vidarbha of Maharashtra are known as C.P. Teak (erstwhile Central Province), which are best known globally for their grains and hence very suitable for construction works.

The average prices of C.P. Teak for important Million Plus cities during 2011 to 2013 and percentage variations in the average price of C.P. Teak during 2012 and 2013 over the years 2011 and 2012 are shown in Table-4.

The average prices of CP Teak remained constant in Chandigarh, Bangalore, Kannur, Bhopal, Amritsar, Ludhiana and Jaipur at Rs. 78000/-, Rs. 98000/-, Rs. 147887/-, Rs. 90000/-, Rs. 48600/-, Rs. 47000/- and Rs. 81845/- per cubic meter, respectively during 2011 to 2013. In Varanasi average price increased to 113005/- per cubic meter in 2012 from Rs. 87018/- per cubic meter in 2011. The highest recorded price of CP Teak was Rs. 174785/- per cubic meter in Kollam city in 2013 and the lowest price of Rs. 32000/- per cubic meter was recorded in Kota in 2011.

Table 4 **Average Prices and Percentage Variation of C.P. Teak in Million Plus Cities during 2011 to 2013**

(In Rs. Per Cubic Meter)

City Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
Hyderabad	78307	78307	98032	0.0	25.2
Visakhapatnam	79439	81197	93231	2.2	14.8
Chandigarh	78000	78000	78000	0.0	0.0
Delhi	83020	83406	83406	0.5	0.0
Ahmedabad	68750	72125	73025	4.9	1.2
Rajkot	68000	75750	76138	11.4	0.5
Surat	50000	60500	65000	21.0	7.4
Vadodara	46150	50325	55000	9.0	9.3
Bangalore	98000	98000	98000	0.0	0.0
Kollam	158404	170592	174785	7.7	2.5
Kannur	147887	147887	147887	0.0	0.0
Kochi	134639	134639	142431	0.0	5.8
Kozhikode	158404	160353	160353	1.2	0.0
Malappuram	130000	130000	131000	0.0	0.8
Thrissur	139490	144698	158000	3.7	9.2
Thiruvananthapuram	145000	172475	174495	18.9	1.2
Bhopal	90000	90000	90000	0.0	0.0
Amritsar	48600	48600	48600	0.0	0.0
Ludhiana	47000	47000	47000	0.0	0.0
Jaipur	81845	81845	81845	0.0	0.0
Jodhpur	67098	77833	77833	16.0	0.0
Kota	32000	33000	33000	3.1	0.0
Agra	63675	72463	87407	13.8	20.6
Allahabad	65000	65000	75000	0.0	15.4
Ghaziabad	105930	105930	115640	0.0	9.2
Kanpur	88250	101537	101531	15.1	0.0
Lucknow	63000	65750	70000	4.4	6.5
Meerut	71000	72000	75500	1.4	4.9
Varanasi	87018	113005	137000	29.9	21.2

Table-4 also indicates the percentage variation in the average price of C.P. Teak during 2012 and 2013 over the years 2011 and 2012. In 2013 the average price of C.P. Teak in Hyderabad and Allahabad showed an increase of 25.2 percent and 15.4 percent, respectively over the average price of 2012. In the year 2012 the average price of C.P. Teak in Surat and Varanasi showed an increase of 21.0 percent and 29.9 percent, respectively over the average price of 2011.

Figure 7 **Average Prices of C.P. Teak in Million Plus Cities during 2011 to 2013**

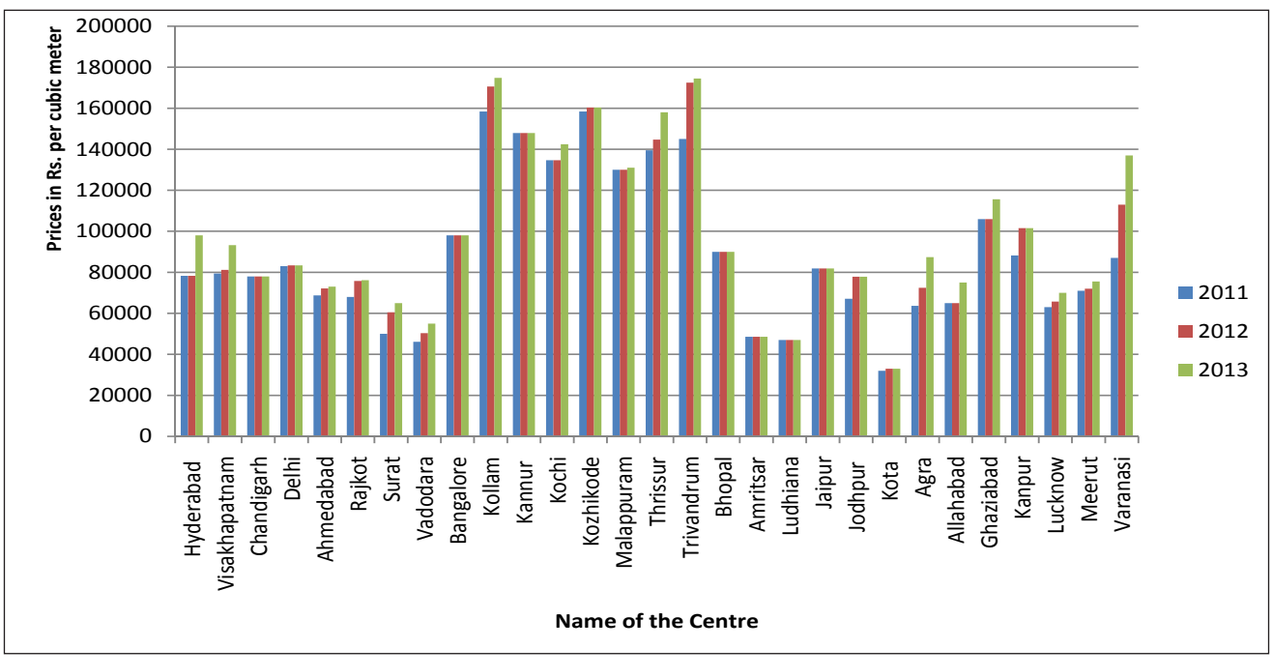
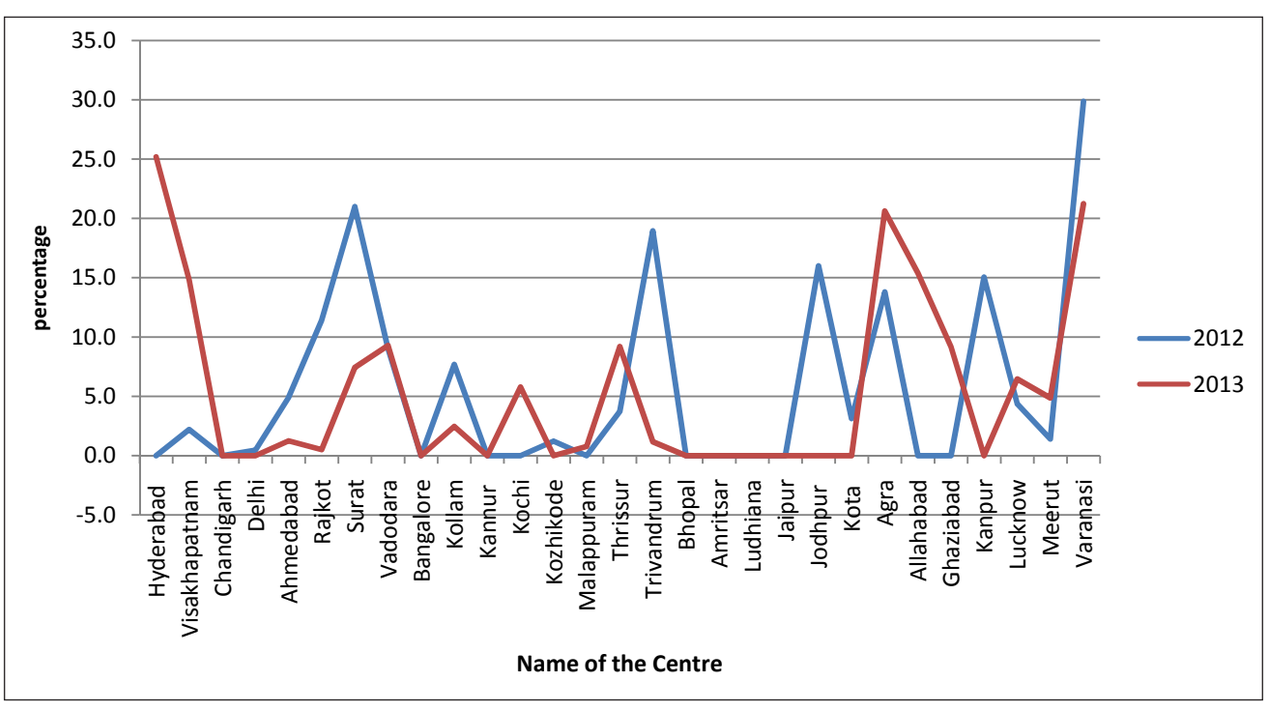


Figure 8 **Percentage Variation of Average Prices of C.P. Teak in Million Plus Cities during 2011 to 2013**



4.5 Sal Wood

Sal Wood is available in the market as Timber logs whereas some vendors also sell custom frames that could directly be used in door and window frames. Sal Wood is a rough construction wood. Sal wood's surfaces have small cracks and hence are generally finished with Paint or Oil. Sal Wood is used for door and window frame, wooden beam, batten, piles and tool handle etc. It is not suitable for shutters and furniture.

The prices of Sal Wood for Million Plus cities during 2011 to 2013 and percentage variations in the average price of Sal Wood during 2012 and 2013 over the years 2011 and 2012 is given below in Table-5.

Table 5 **Average Prices and Percentage Variation of Sal wood in Million Plus Cities during 2011 to 2013**

(In Rs. Per Cubic Meter)

City Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
Hyderabad	32463	35314	35494	8.8	0.5
Visakhapatnam	35545	38740	43899	9.0	13.3
Chandigarh	42000	42250	43000	0.6	1.8
Delhi	51031	52203	54367	2.3	4.1
Ahmedabad	39000	40175	40710	3.0	1.3
Rajkot	55000	55875	56115	1.6	0.4
Surat	28000	28000	31250	0.0	11.6
Srinagar	33500	33500	33500	0.0	0.0
Bangalore	43000	43000	43000	0.0	0.0
Kollam	67544	67544	67544	0.0	0.0
Bhopal	36000	36000	36000	0.0	0.0
Amritsar	42000	42000	42000	0.0	0.0
Ludhiana	43000	43000	43000	0.0	0.0
Jodhpur	29000	31900	31900	10.0	0.0
Kota	20500	22000	22000	7.3	0.0
Agra	31934	40921	56726	28.1	38.6
Allahabad	53000	62500	70000	17.9	12.0
Ghaziabad	59144	64220	69207	8.6	7.8
Kanpur	48500	57189	69725	17.9	21.9
Lucknow	29375	32000	35000	8.9	9.4
Meerut	52250	55500	57750	6.2	4.1
Varanasi	57714	61799	83313	7.1	34.8

Table-5 shows that the average price of Sal Wood varies from Rs. 20500/- per cubic meter in Kota during 2011 to Rs. 83313/- per cubic meter in Varanasi during 2013. The price of Sal Wood remained constant at Rs. 33500/-, Rs. 43000/-, Rs. 67544/-, Rs. 36000/-, Rs. 42000/- and Rs. 43000/- per cubic meter over the three years from 2011 to 2013 in Srinagar, Bangalore, Kollam, Bhopal, Amritsar and Ludhiana, respectively . The highest average price of Sal Wood was recorded at Rs. 67544/- per cubic meter in Kollam in 2011 while the

lowest price was at Rs. 22000/- in Kota during 2013. In 2012 the maximum average price of Sal Wood remained at Rs. 67544/- per cubic meter in Kollam followed by Ghaziabad at Rs. 64220/- per cubic meter.

Table-5 also indicates the percentage variation in the average price of Sal Wood during 2011 to 2013 over the years 2011 and 2012. In 2012 the average price of Sal Wood in Agra, Allahabad and Kanpur showed an increase of 28.1 percent, 17.9 percent and 17.9 percent, respectively over the average price of 2011. In 2013 the average price of Sal Wood showed an increase of 38.6 percent in Agra and 34.8 percent in Varanasi over the average price of Sal Wood during 2012.

Figure 9 **Average Prices of Sal wood in Million Plus Cities during 2011 to 2013**

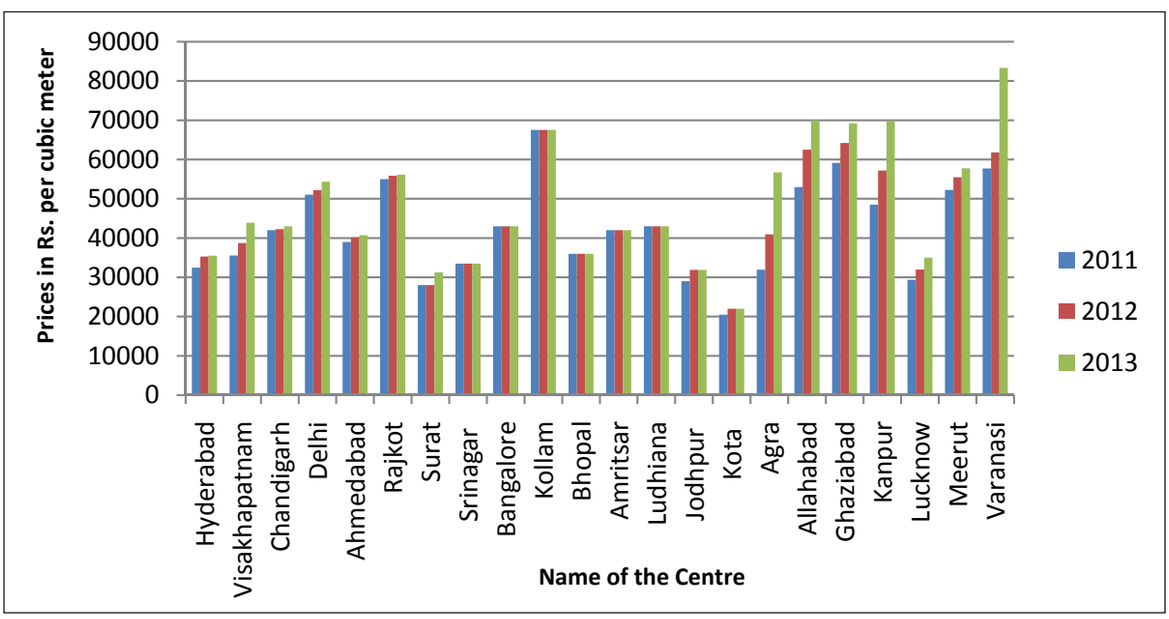
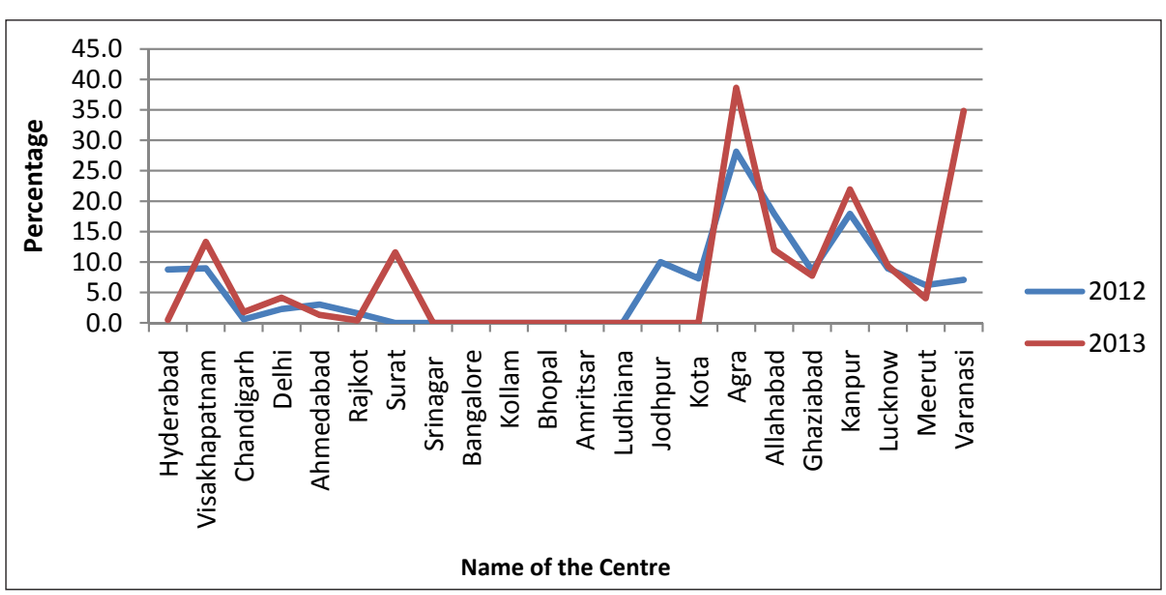


Figure 10 **Percentage Variation of Average Prices of Sal wood in Million Plus Cities during 2011 to 2013**



4.6 Cement (High Strength)

Cement is another equally important building material that forms a substantial share in the cost of construction.

1. Ordinary Portland cement contains two basic ingredients, namely argillaceous and calcareous. In argillaceous materials, clay predominates and in calcareous materials, calcium carbonate predominates. Ordinary cement contains Lime (CaO), Silica (SiO_2), Alumina (Al_2O_3), Calcium Sulphate ($CaSO_4$), Iron Oxide (Fe_2O_3), Magnesia (MgO), Sulphur & Alkalies.
2. White Cement: This is a variety of ordinary cement and it is prepared form such raw materials which are practically free from colouring oxides of Iron, Manganese or Chromium. For burning of this cement, oil fuel is used instead of coal. It is used for floor finish; plaster work, ornamental works etc.

The average price of cement (high strength) for Million Plus cities during 2011 to 2013 and percentage variations in the average price of cement (high strength) during 2012 and 2013 over the years 2011 and 2012 are shown in Table- 6.

Table 6 **Average Prices and Percentage Variation of Cement (High Strength) in Million Plus Cities during 2011 to 2013**

(In Rs. Per Metric Ton)

City Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
Hyderabad	5200	5200	5200	0	0.0
Visakhapatnam	5375	5375	5375	0	0.0
Chandigarh	5200	5200	5200	0	0
Delhi	5563	5563	5563	0	0
Rajkot	5425	5500	5575	1.38	1.36
Surat	5450	5500	5500	0.9	0.0
Vadodara	5550	5875	6100	5.9	3.8
Bangalore	6100	6100	6100	0	0
Kannur	6700	7400	7400	10.4	0.0
Kochi	6795	6795	7240	0.0	6.5
Kollam	6700	6700	7265	0.0	8.4
Kozhikode	6700	6700	7300	0.0	9.0
Malappuram	6600	7000	7250	6.1	3.6
Thrissur	6675	6900	6900	3.4	0.0
Thiruvananthapuram	6413	7000	7775	9.2	11.1
Bhopal	8000	8000	8000	0	0
Amritsar	5500	5500	5500	0	0
Jaipur	5450	5950	5950	9.2	0.0
Jodhpur	5600	5800	5800	3.6	0.0
Kota	5200	5740	5740	10.4	0.0
Agra	5325	5350	5500	0.5	2.8
Allahabad	5275	5875	6225	11.4	6.0
Ghaziabad	5490	5650	5950	2.9	5.3
Kanpur	5550	5653	6175	1.8	9.2
Lucknow	5550	5600	5600	0.9	0.0
Meerut	5900	5975	6000	1.3	0.4
Varanasi	5600	5600	5600	0	0

Table-6 shows the average price of Cement (High Strength) in Million Cities during 2011 to 2013. The average price of Cement is constant at Rs. 5200/- in Hyderabad and Chandigarh, Rs. 5375/- in Vishakhapatnam, Rs. 5563/- in Delhi, Rs. 6100/- in Bangalore, Rs. 8000/- in Bhopal, Rs. 5500/- in Amritsar, Rs. 5600/- in Varanasi during 2011 to 2013. The lowest average price of Cement was recorded in Hyderabad, Chandigarh, and Kota at Rs. 5200/- per metric ton in 2011 and the highest price of Rs. 8000/- per metric ton recorded in Bhopal during 2013.

From table-6 it is clearly observed that in 2012 there in an increase in average price of Cement (High Strength) in Kannur, Kota at 10.4 percent and Allahabad at 11.4 percent as compared to the average price during 2011. In 2013 the percentage of average price of Cement in Kozhikode, Thiruvananthapuram and Kanpur at 9.0 percent, 11.1 percent, and 9.2 percent increased, respectively over the prices of 2012.

Figure 11 **Average Prices of Cement (High Strength) in Million Plus Cities during 2011 to 2013**

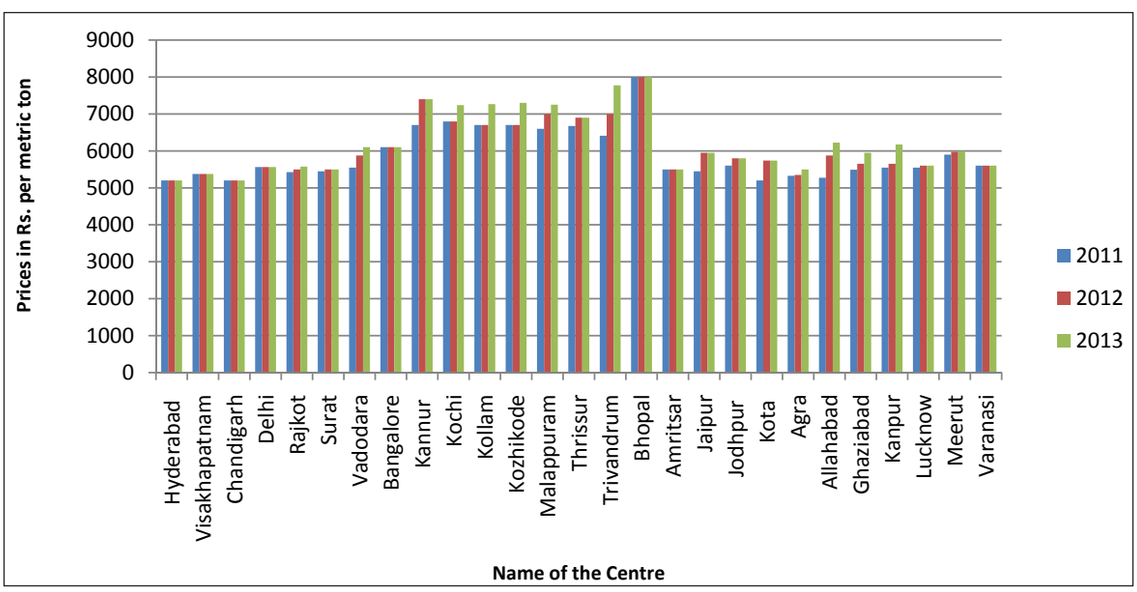
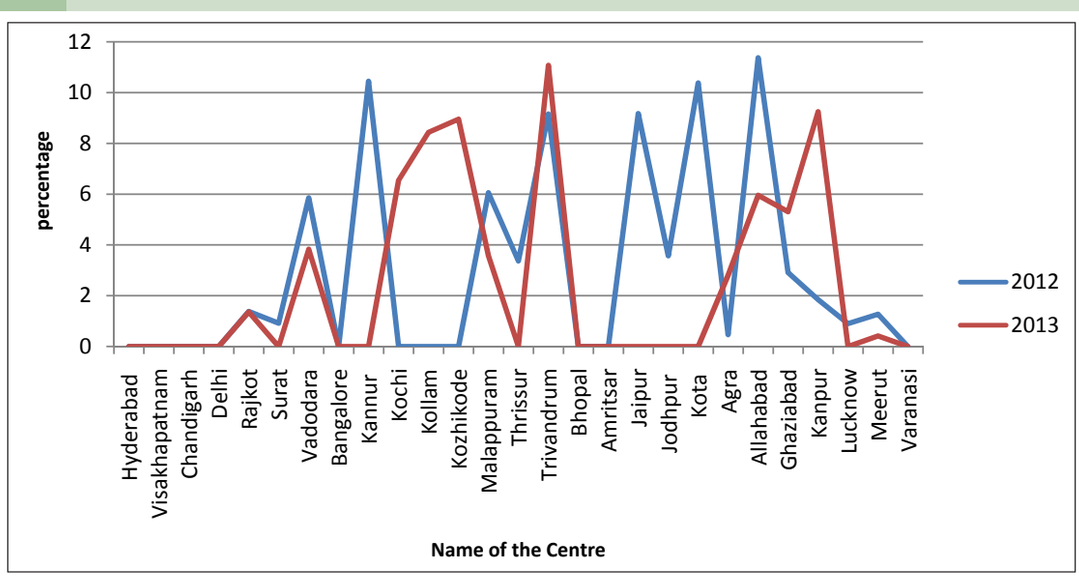


Figure 12 **Percentage Variation of Average Prices of Cement (High Strength) in Million Plus Cities during 2011 to 2013**



4.7 S.W. Pipe (100 mm diameter)

A sanitary sewer (also called a foul sewer) is an underground carriage system specifically for transporting sewage from houses and commercial buildings through pipes to treatment or disposal. Sanitary sewers serving industrial areas also carry industrial wastewater. The system of sewers is called sewerage. Simplified sanitary sewers consist of small-diameter pipes (typically 100 mm or about 4 inches), often laid at fairly flat gradients (1 in 200). The investment cost for sanitary sewers can be about half the costs of conventional sewers.

Table 7 **Average Prices and Percentage Variation of S.W. Pipe(100 mm diameter) in Million Plus Cities during 2011 to 2013**

(In Rs. Per 2 Feet Lenght)

City Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
Hyderabad	46	46	60	1.6	29.7
Visakhapatnam	50	55	75	10.0	36.4
Chandigarh	70	73	78	3.6	6.9
Delhi	70	74	87	5.7	17.6
Ahmedabad	69	81	88	18.2	7.7
Rajkot	61	75	84	22.4	12.3
Surat	60	60	60	0.0	0.0
Vadodara	55	56	61	1.4	9.0
Bangalore	55	55	55	0.0	0.0
Amritsar	50	50	50	0.0	0.0
Ludhiana	60	60	60	0.0	0.0
Jaipur	70	80	80	14.3	0.0
Kota	50	55	55	10.0	0.0
Agra	70	70	70	0.0	0.0
Allahabad	76	76	76	0.0	-0.3
Ghaziabad	50	50	58	0.0	15.0
Kanpur	65	65	65	0.0	0.0
Lucknow	50	50	50	0.0	0.0
Meerut	64	73	80	13.7	10.3
Varanasi	64	65	76	2.0	17.3

Table-7 shows the average price of S.W. pipe (100 mm diameter) in Million Plus cities during 2011 to 2013 and percentage variation during 2012 and 2013 over the years 2011 and 2012. The average prices of S.W. pipe (100 mm diameter) varied from Rs. 46 in Hyderabad in 2011 to Rs. 88 each in Ahmadabad in 2013. In Surat, Bangalore, Amritsar, Ludhiana, Agra, Kanpur and Lucknow the average price of SW pipe(100 mm diameter) remained constant at Rs. 60/-, Rs. 55/-, Rs. 50/-, Rs. 60/-,Rs. 70/-, Rs. 65/- and Rs. 50/-, respectively from 2011 to 2013.

Table-7 also indicates the percentage variation in the average prices of S.W. price (100 mm diameter) during 2012 and 2013 over the years 2011 and 2012. Vishakhapatnam at 36.4 percent and Hyderabad at 29.7

percent have recorded increase in the average price of S.W. pipe (100 mm diameter) during 2013 over the year 2012. In 2013 the only city Allahabad recorded a decline of (-) 0.3 percent over the average price of S.W. pipe of 2012.

Figure 13 **Average Prices of S.W. Pipe(100 mm diameter) in Million Plus Cities during 2011 to 2013**

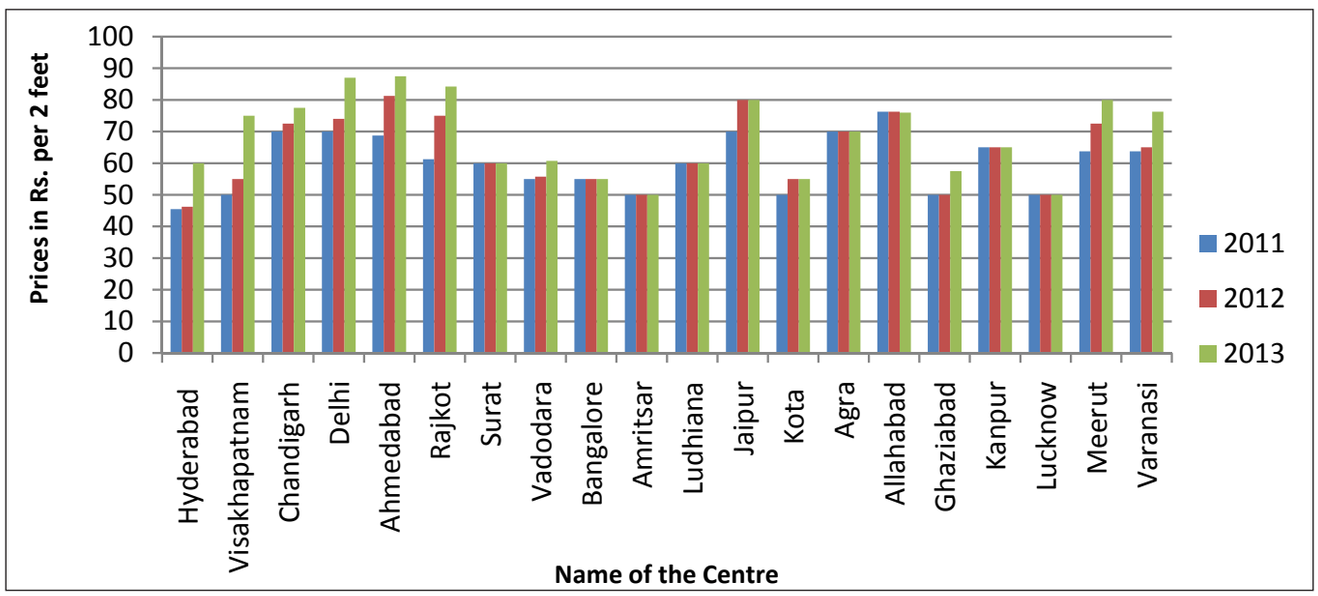
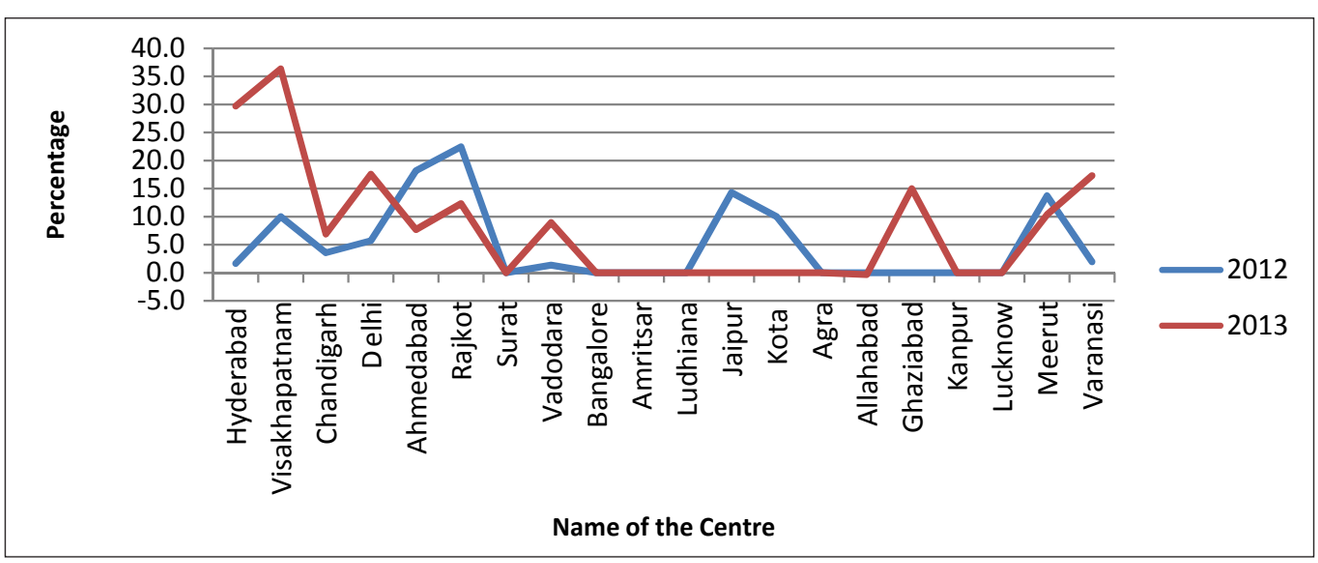


Figure 14 **Percentage Variation of Average Prices of S.W. Pipe(100 mm diameter) in Million Plus Cities during 2011 to 2013**



4.8 Tiles (Glazed)

Glazed tiles are a type of ceramic tile to which a glaze has been applied. Glazed tiles, in general, are tiles with sheen on the surface. The liquid glass or glaze is usually baked into the surface of the clay at very high temperatures of more than 2000 degrees Fahrenheit. Glazed tiles allow manufacturers to produce an unlimited assortment of colors, hues, and designs. The glazing also protects the tile from staining from dirt, grime, and

water. These tiles are suitable for both interiors and exteriors, residential and commercial buildings. Interiors-living room, dining room, kitchen, bathroom, bedroom etc. Exterior-pavements, balcony, deck areas etc. It can also be used in office buildings.

Table 8 **Average Prices and Percentage Variation of Tiles (Glazed) in Million Plus Cities during 2011 to 2013**

(In Rs. Per Thousand)

City Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
Hyderabad	30000	35000	35000	16.7	0.0
Visakhapatnam	22500	24000	24000	6.7	0.0
Chandigarh	35000	35000	35000	0.0	0.0
Delhi	14500	14500	15484	0.0	6.8
Ahmedabad	14000	14738	14738	5.3	0.0
Rajkot	18000	18463	18463	2.6	0.0
Surat	19000	19000	19000	0.0	0.0
Vadodara	21875	25000	25000	14.3	0.0
Srinagar	35000	35000	35000	0.0	0.0
Bangalore	31550	31550	31550	0.0	0.0
Kollam	46200	47500	47500	2.8	0.0
Kannur	50571	50571	62500	0.0	23.6
Kochi	45128	45128	45128	0.0	0.0
Kozhikode	50590	50590	50590	0.0	0.0
Malappuram	52000	52000	52000	0.0	0.0
Thrissur	42000	42000	42000	0.0	0.0
Thiruvananthapuram	57500	57500	57500	0.0	0.0
Bhopal	30000	35000	35000	16.7	0.0
Amritsar	14400	15000	15000	4.2	0.0
Ludhiana	19800	19800	19800	0.0	0.0
Jaipur	15840	16000	16000	1.0	0.0
Kota	11400	12000	12000	5.3	0.0
Allahabad	13625	14500	18333	6.4	26.4
Ghaziabad	10750	11750	12150	9.3	3.4
Kanpur	13585	14550	14550	7.1	0.0
Lucknow	19000	19000	19000	0.0	0.0
Meerut	17500	18000	18000	2.9	0.0

Table-8 shows the average price of Tiles (Glazed) in Million Plus cities during 2011 to 2013 and percentage variation during 2012 and 2013 over the years 2011 and 2012.The average price of Tiles (Glazed) varied from Rs. 10750/- per thousand in Ghaziabad in 2011 to Rs. 62500/- per thousand in Kannur in 2013. It is observed that Allahabad is the only city where the average price of Tiles (Glazed) is gradually increasing from

2011 to 2013. In 2012 the price increased to Rs. 14500/- from Rs. 13625/- in 2011 and then it is increased to Rs. 18333/- during 2013.

Table-8 also indicates the percentage variation in the average prices of Tiles (Glazed) during 2012 and 2013 over the years 2011 and 2012. Hyderabad and Bhopal recorded an increase of 16.7 percent during 2012 over the year 2011. Similarly in 2013 the average price of tiles (Glazed) increased in Kannur and Allahabad significantly at 23.6 percent and 26.4 percent, respectively over the price of 2012.

Figure 15 **Average Prices of Tiles (Glazed) in Million Plus Cities during 2011 to 2013**

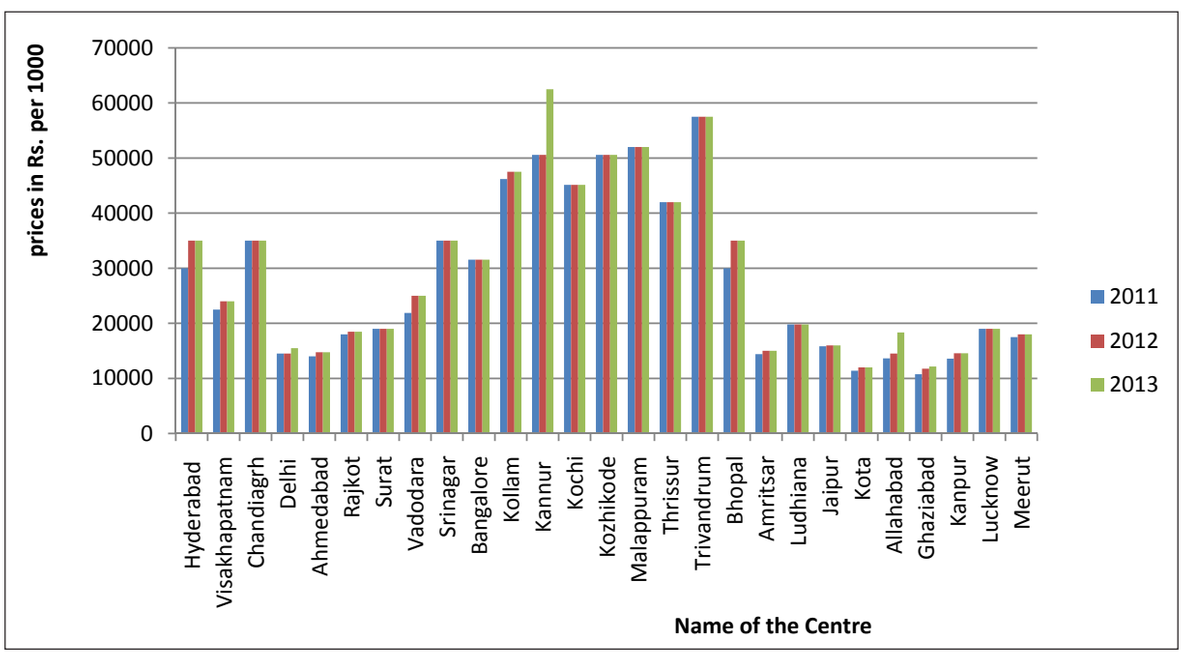
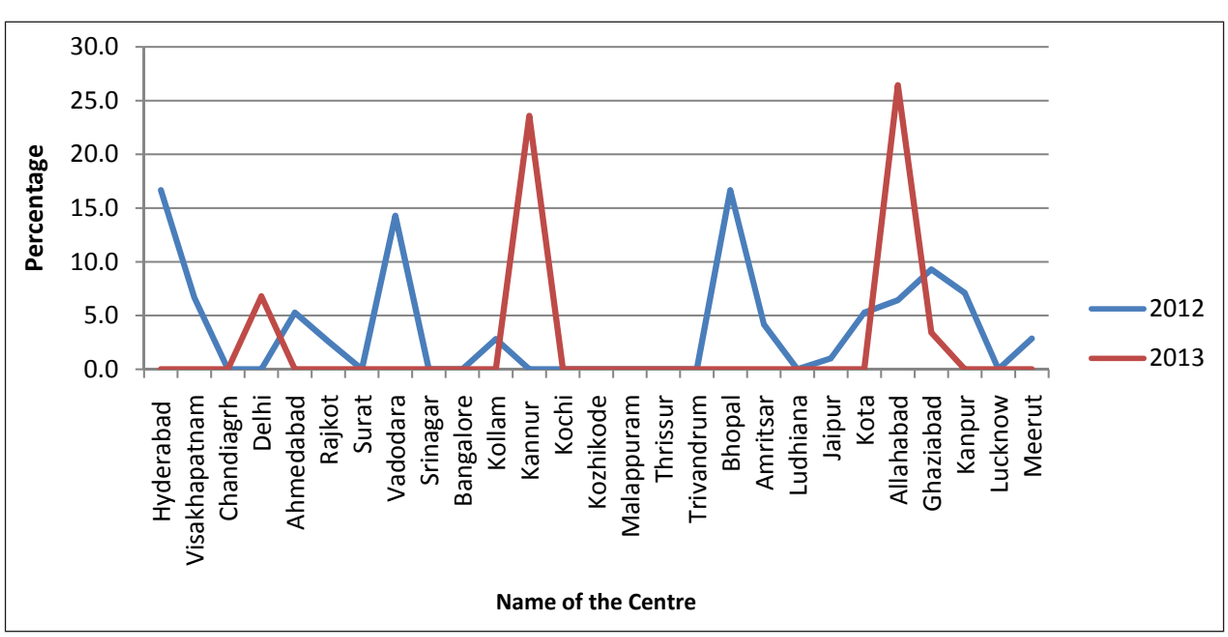


Figure 16 **Percentage variation of Average Prices of Tiles (Glazed) in Million Plus Cities during 2011 to 2013**



4.9 Stone Slab (100 sq. mts.)

A slab floor is thicker than any other traditional flooring material such as ceramic tile, carpet, vinyl, hardwood or laminates. A slab piece can range from 3/4-inch to 3 inches thick. In addition, the deck mud that goes underneath the stone slabs is another 2 to 3 inches deep, depending on the unevenness of the stone. Although some of the thickness of the stone sinks into the deck mud during installation, it is estimated that a slab floor will be about 4 to 5 inches thick when finished. For interior installations where the slab floor meets another flooring material, drop-down floors are used.

Table 9 **Average Prices and Percentage Variation of Stone Slab (100 sq.mts.) in Million Plus Cities during 2011 to 2013**

(In Rs. Per 100 sq.mts.)

City Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
Hyderabad	19375	21400	21644	10.5	1.1
Visakhapatnam	21000	21000	21000	0.0	0.0
Chandigarh	23000	23000	23000	0.0	0.0
Delhi	29917	29917	29917	0.0	0.0
Ahmedabad	36900	37375	37750	1.3	1.0
Rajkot	47513	48058	49743	1.1	3.5
Surat	30000	31200	31200	4.0	0.0
Vadodara	24500	24500	25000	0.0	2.0
Srinagar	10600	10600	10600	0.0	0.0
Bangalore	30000	30000	30000	0.0	0.0
Kollam	38744	39375	40550	1.6	3.0
Kannur	65098	65098	68860	0.0	5.8
Kochi	58366	58366	58366	0.0	0.0
Kozhikode	31926	31926	37775	0.0	18.3
Malappuram	43250	43250	44000	0.0	1.7
Thrissur	45500	45500	45500	0.0	0.0
Thiruvananthapuram	52775	62275	62841	18.0	0.9
Bhopal	35000	35320	35320	0.9	0.0
Jaipur	23600	25400	25400	7.6	0.0
Jodhpur	25000	26000	26000	4.0	0.0
Kota	16000	17000	17000	6.3	0.0
Agra	13774	14721	14721	6.9	0.0
Kanpur	45000	48325	50000	7.4	3.5
Lucknow	23000	23000	27750	0.0	20.7
Varanasi	17750	22000	22000	23.9	0.0

Table-9 shows that the average price of stone slab for flooring (100 sq.mts.) in Million Plus cities during 2011 to 2013 and percentage variation during 2012 and 2013 over the years 2011 and 2012 . The average prices of Stone Slab (100 sq.mts.) varied from Rs. 10,600/- in Srinagar in 2011 to Rs. 68,860/- in Kannur in 2013. In Vishakhapatnam, Chandigarh, Delhi, Srinagar, Bangalore, Kochi and Thrissur the average price of stone

slab for flooring (100 sq.mts.) remained constant at Rs. 21000/-, Rs. 23000/-, Rs. 29917/-, Rs. 10,600/-, Rs. 30,000/-, Rs. 58366/- and Rs. 45500/-, respectively during 2011 to 2013. Similarly the average the average price of Stone Slab (100 sq. mts.) remained constant for two years during 2011 and 2012 at Rs. 24500/-, Rs. 65098/-, Rs. 31926/-, Rs. 43250/- and Rs. 23000/- in Vadodara, Kannur, Kozhikode, Mallapuram and Lucknow, respectively.

Table-9 also indicates the percentage variation in the average prices of Stone Slab for flooring (100 sq.mts.) during 2012 and 2013 over the years 2011 and 2012. Varanasi and Thiruvananthapuram recorded an increase of 23.9 percent and 18.0 percent, respectively in 2012 over the year 2011. In 2013 Kozhikode and Lucknow recorded a significant increase of 18.3 percent and 20.7 percent, respectively over the average prices of Stone Slab (100 sq.mts.) in 2012.

Figure 17 **Average Prices of Stone Slab (100 sq.mts.) in Million Plus Cities during 2011 to 2013**

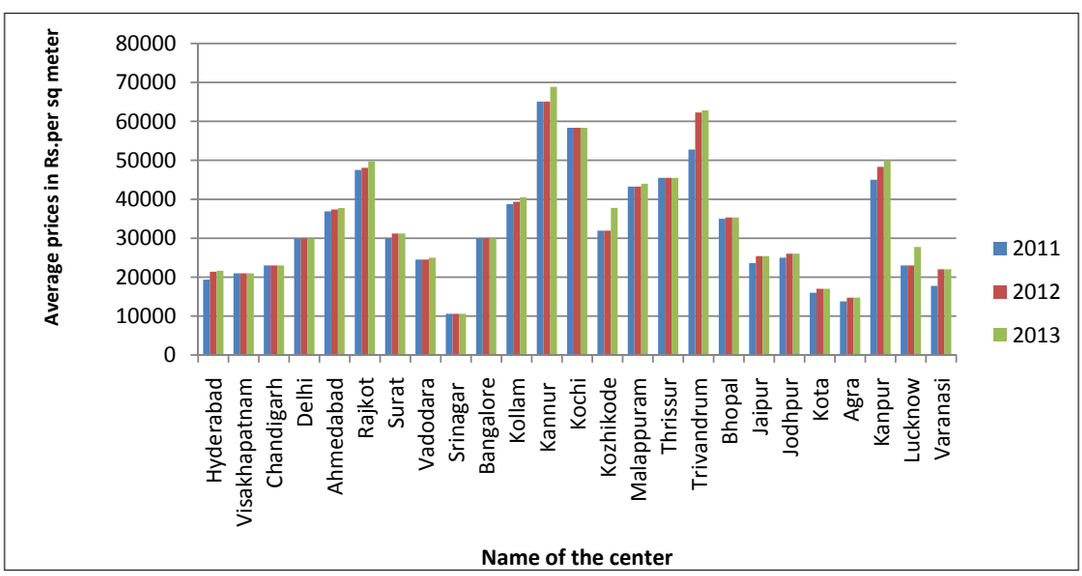
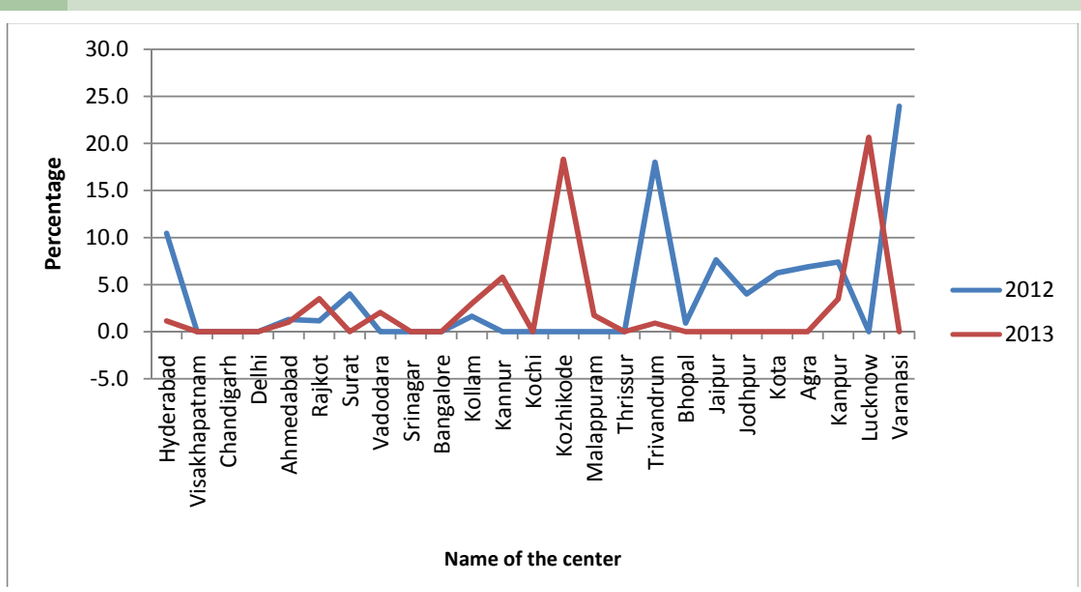


Figure 18 **Percentage variation of Average Prices of Slab (100 sq.mts.) in Million Plus Cities during 2011 to 2013**



Year- wise construction materials experiencing the highest price increase and decrease in Million Plus Cities

Construction Material	Percentage change over the previous year
Year: 2013	
Highest prices increase	
Bricks (First class), (Kanpur)	31.3
Stone Ballast (Allahabad)	33.3
Sal wood (Agra)	38.6
S.W. Pipe (Visakhapatnam)	36.4
Highest price decrease	
Sand (Coarse) (Rajkot)	-5.9
S.W. Pipe (Allahabad)	-0.3
Year: 2012	
Highest prices increase	
C.P. Teak, (Varanasi)	29.9
Sal wood, (Agra)	28.1
Bricks (First class), (Allahabad)	26.5
Stone Slab, (Varanasi)	23.9
Highest price decrease	
Stone Ballast, (Varanasi)	-4.1
Bricks (First class), (Rajkot)	-2

4.10 The above table indicates a significant difference in the prices of few construction materials from 2012 to 2013. An increase of 38.6 % is found in the prices of Sal wood during 2013 at the same time decreases of 5.9% is found in Sand (Coarse). C.P. teak is the only material which shows an increase of 29.9% amongst the other building material during 2012 at the same time Stone Ballast shows the decrease of 4.1 % during 2012.

5 Prices of Building Material – Zone-wise Analyses

In this section, provide zone wise data on prices of building material. An analysis of average price and percentage variations with respect to selected items i.e., Bricks (First Class), Sand (Coarse), Stone Ballast (20mm/gauge),C.P. Teak, Sal Wood, Cement (High Strength), Stone Slab for Flooring (100 sq.mts.), S.W. Pipes (100mm diameter) and Tiles (Glazed) from 2011 to 2013 has been presented for five zones i.e. north, central, south, east and west.

Table 10 **Zone wise Average Prices and Percentage Variation of Bricks (First Class) during 2011 to 2013**

(In Rs. Per 1000 Unit)

Zone Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	65	6
North Zone	4578	4867	4980	6.32	2.31
Central Zone	4334	4941	5396	14.00	9.21
South Zone	4850	5117	5316	5.51	3.87
East Zone	7309	7486	7554	2.43	0.90
West Zone	4034	4235	4601	4.97	8.65

Figure 19 **Zone wise Average Prices of Bricks (First Class) during 2011-2013**

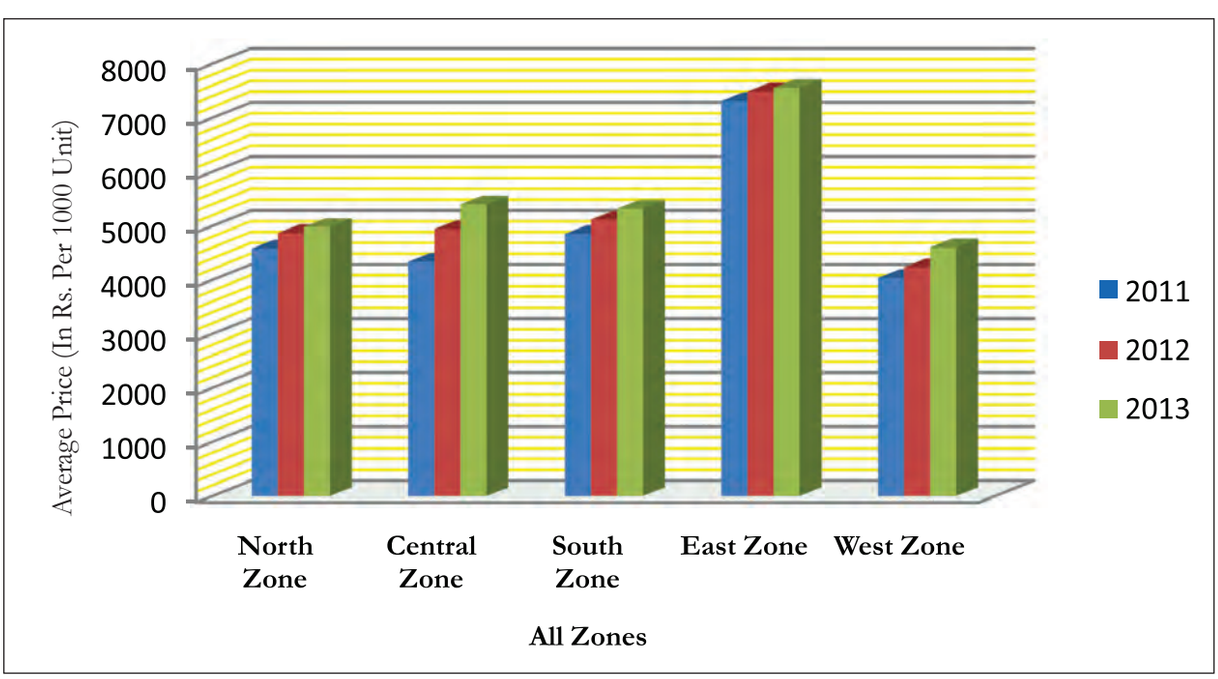


Table 11 **Zone wise Average Prices and Percentage Variation of Sand (Coarse) during 2011-2013**

(In Rs. Per Cubic Meter)

Zone Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	6	7
North Zone	631	685	703	8.67	2.58
Central Zone	718	783	812	9.0	3.8
South Zone	725	784	819	8.2	4.5
East Zone	695	755	816	8.7	8.1
West Zone	431	481	528	11.49	9.81

Figure 20 **Zone wise Average Prices of Sand (Coarse) during 2011-2013**

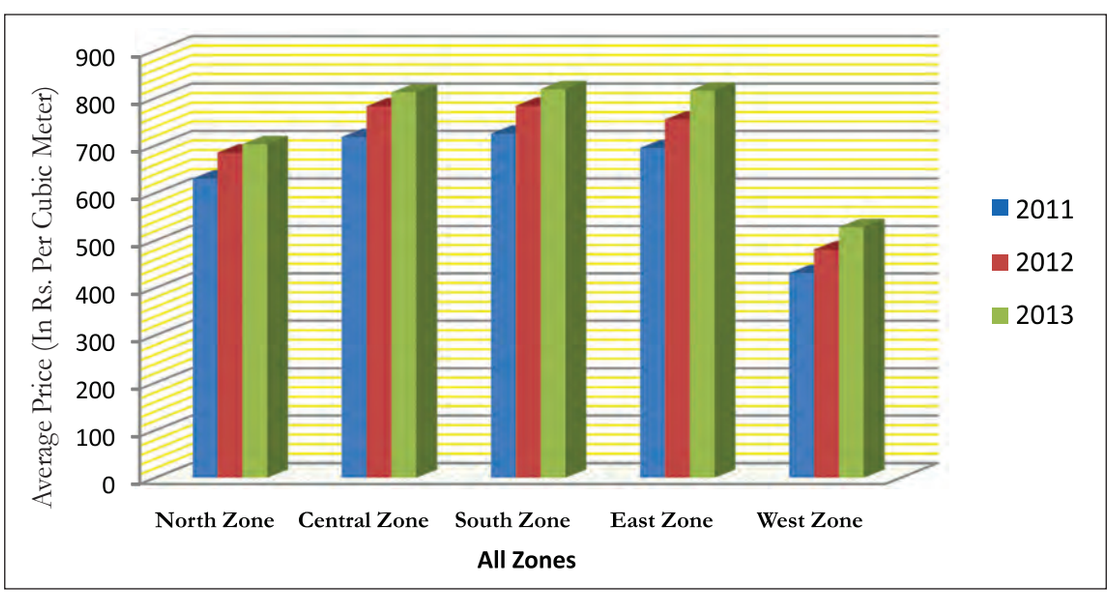


Table 12 **Zone wise Average Prices and Percentage Variation of Stone Ballast (20mm/gauge) during 2011 to 2013**

(In Rs. Per Cubic Meter)

Zone Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
North Zone	735	791	923	7.53	16.77
Central Zone	1200	1236	1271	3.04	2.81
South Zone	818	829	925	1.29	11.53
East Zone	1031	1163	1188	12.72	2.15
West Zone	735	791	923	10.53	6.15

Figure 21 **Zone wise Average Prices of Stone Ballast (20mm/gauge) during 2011 to 2013**

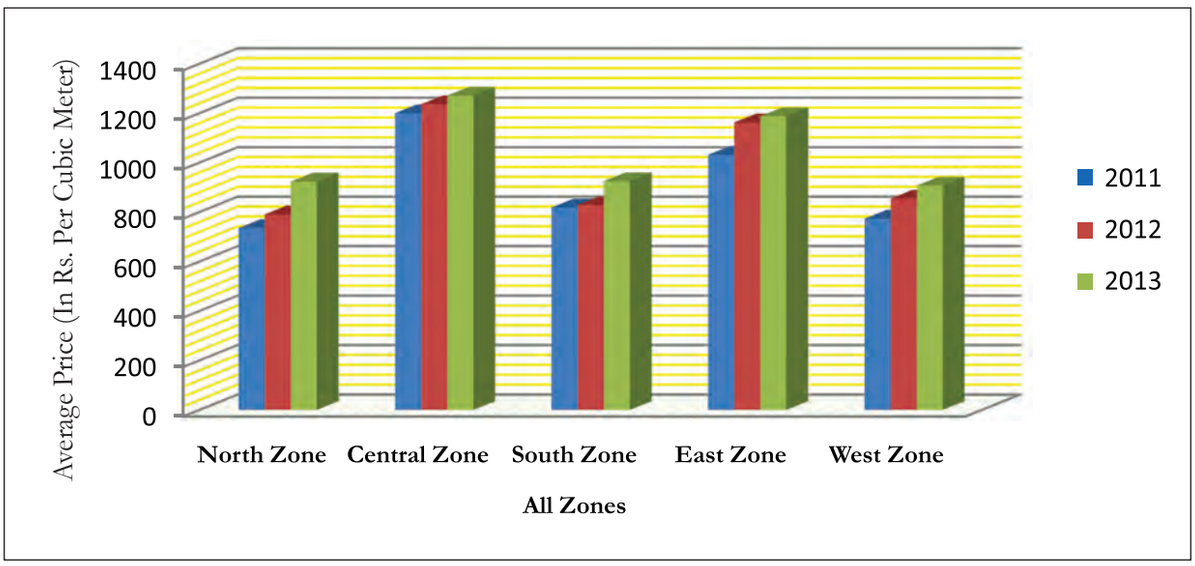


Table 13 **Zone wise Average Prices and Percentage Variation of C.P. Teak during 2011 to 2013**

(In Rs. Per Cubic Meter)

Zone Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
North Zone	59037	59183	58893	0.25	-0.49
Central Zone	76405	78128	80074	2.3	2.5
South Zone	83525	89508	93040	7.2	3.9
East Zone	38828	39377	40744	1.4	3.5
West Zone	53083	57329	57829	8.00	0.87

Figure 22 **Zone wise Average Prices of C.P. Teak during 2011 to 2013**

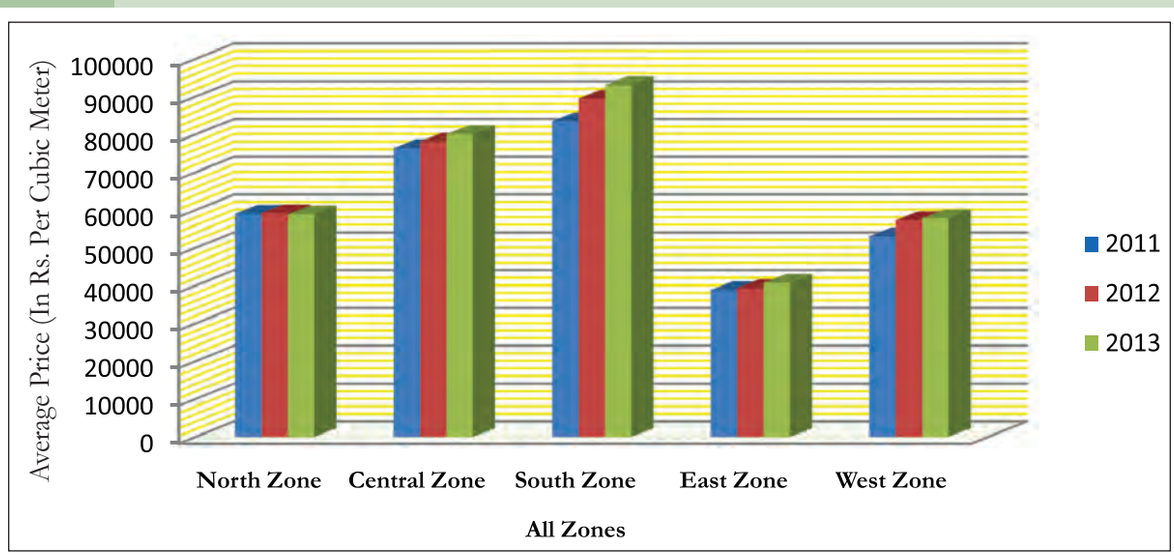


Table 14 **Zone wise Average Prices and Percentage Variation of Sal Wood during 2011 to 2013**

(In Rs. Per Cubic Meter)

Zone Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
North Zone	43497	44447	45223	2.2	1.7
Central Zone	39344	41205	43515	4.7	5.6
South Zone	44809	45607	45862	1.8	0.6
East Zone	39469	42970	45379	8.9	5.6
West Zone	33250	33558	35256	0.9	5.1

Figure 23 **Zone wise Average Prices of Sal Wood during 2011 to 2013**

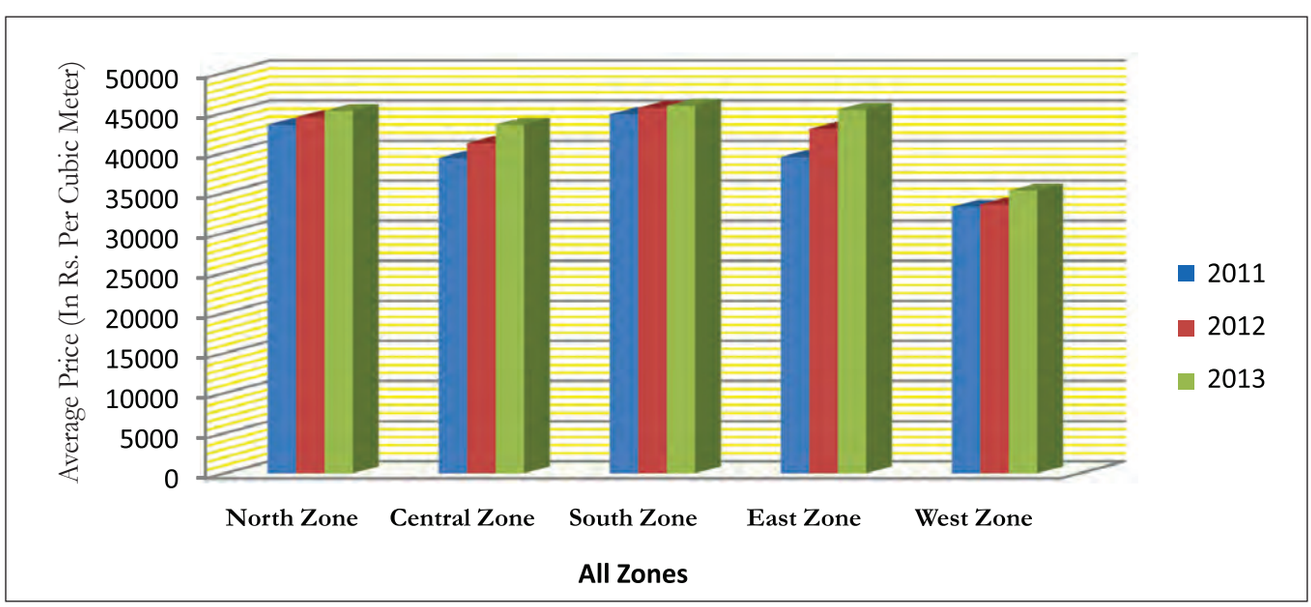


Table 15 **Zone wise Average Prices and Percentage Variation of Cement (High Strength) during 2011 to 2013**

(In Rs. Per Metric Ton)

Zone Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
North Zone	5676	6050	6073	6.58	0.38
Central Zone	6772	7149	7286	5.56	1.92
South Zone	6072	6329	6577	4.23	3.91
East Zone	7084	7331	7353	3.48	0.30
West Zone	5601	6048	6552	7.99	8.32

Figure 24 Zone wise Average Prices of Cement (High Strength) during 2011 to 2013

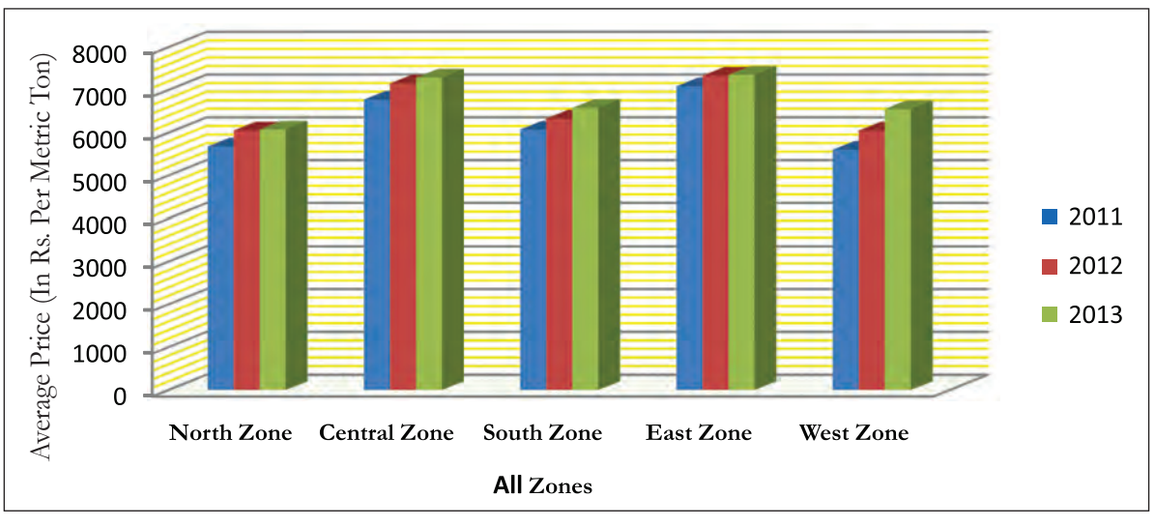


Table 16 Zone wise Average Prices and Percentage Variation of Stone Slab for flooring (100 sq.mts.) during 2011 to 2013

(In Rs. Per 100 sq. Mts)

Zone Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
North Zone	31636	32199	32622	1.78	1.32
Central Zone	31975	32354	32995	1.18	1.98
South Zone	31980	32794	33007	2.54	0.65
East Zone	40692	40719	41567	0.07	2.08
West Zone	25716	26060	27003	1.34	3.62

Figure 25 Zone wise Average Prices of Stone Slab for flooring (100 sq.mts.) during 2011 to 2013

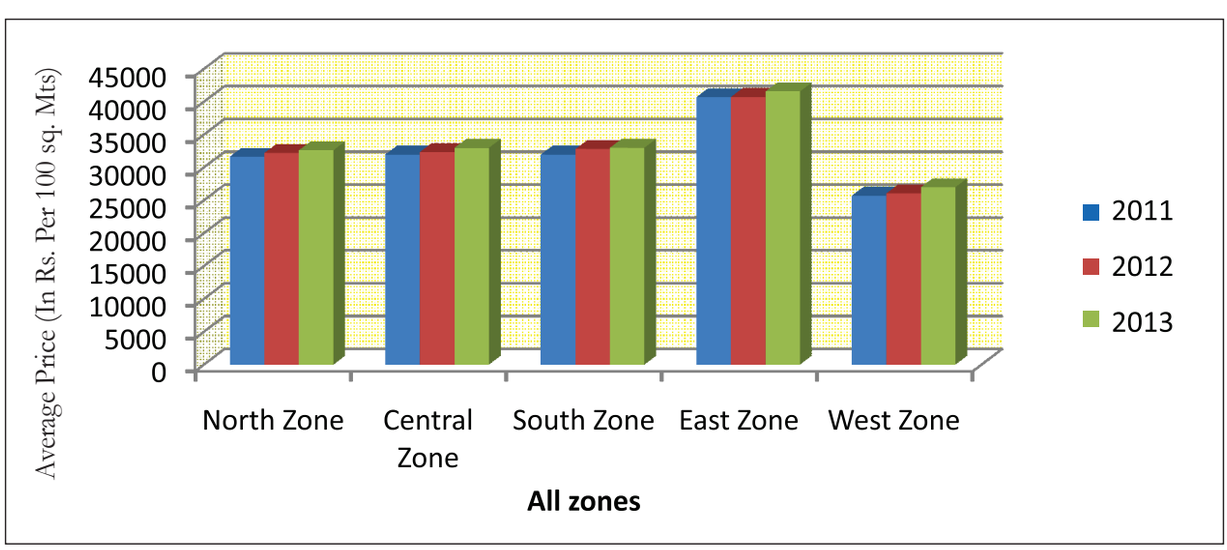


Table 17 **Zone wise Average Prices and Percentage Variation of Tiles (Glazed) during 2011 to 2013**

(In Rs. Per Thousand)

Zone Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
North Zone	16508	17123	17322	3.7	1.2
Central Zone	22202	23478	24030	5.7	2.4
South Zone	32854	34335	34177	4.5	-0.5
East Zone	34990	36084	36969	3.1	2.5
West Zone	16060	16483	16661	2.6	1.1

Figure 26 **Zone wise Average Prices of Tiles (Glazed) during 2011 to 2013**

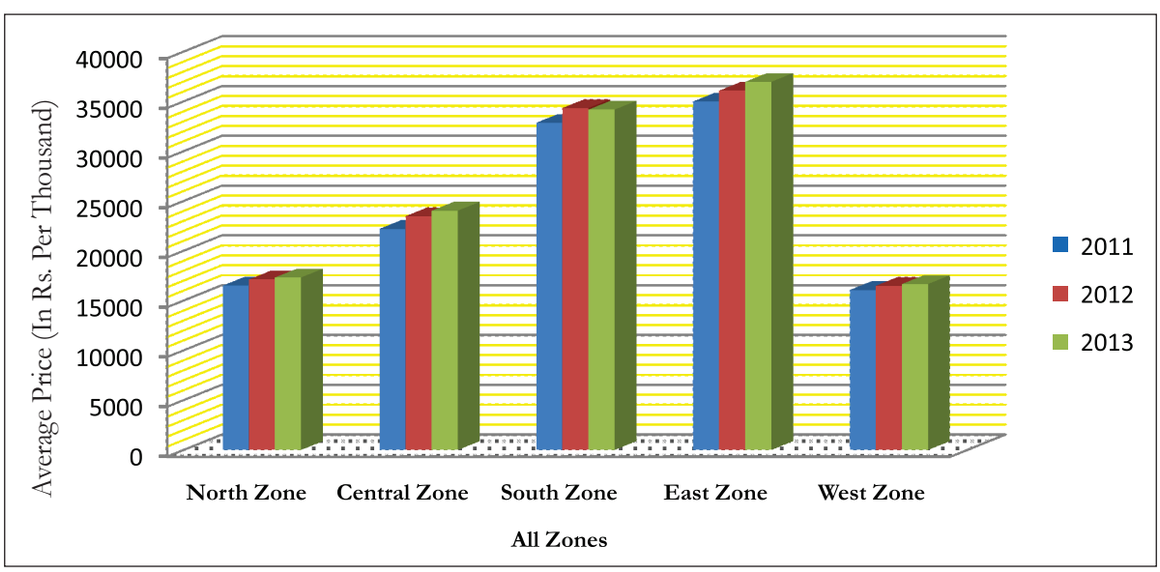
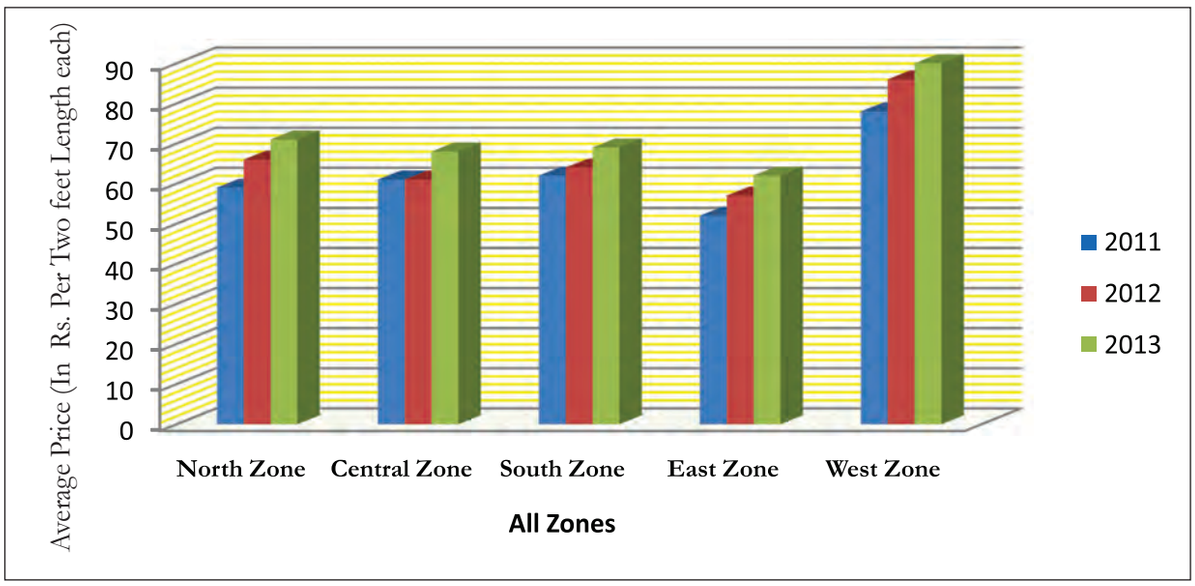


Table 18 **Zone wise Average Prices and Percentage Variation of S.W. Pipe (100 mm diameter) during 2011 to 2013**

(In Rs. Per Two feet Length each)

Zone Name	Average Price			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	5	6
North Zone	59	66	71	11.1	7.7
Central Zone	61	61	68	0.9	11.3
South Zone	62	64	69	3.9	8.1
East Zone	52	57	62	10.4	8.8
West Zone	78	86	90	10.2	4.5

Figure 27 **Zone wise Average Prices of S.W. Pipe (100 mm diameter) during 2011 to 2013**



6 Wages of Construction Labour –An Analysis

6.1 MASON (First Class)

A Mason constructs new building and alters the old structure with units of various natural or artificial mineral products, as stones, bricks, cinder blocks, or tiles, usually with the use of mortar or cement as a bonding agent. Mason is one of the most important labour engaged in building construction activities. A record of wage rates for Million Plus cities during 2011 to 2013 and percentage variations in the average price of average rates of mason (first class) during 2012 and 2013 over the years 2011 and 2012 given in Table 19.

Table 19 **Average Wage Rates and Percentage Variation of Mason (First Class) in Million Plus Cities during 2011-2013**

(In Rs. per day)

City Name	Average Wage Rate Mason (First Class)			Percentage Variation During	
	2011	2012	2013	2012	2013
Hyderabad	324	400	400	23.5	0.0
Chandigarh	300	350	350	16.7	0.0
Ahmedabad	500	563	643	12.5	14.2
Rajkot	675	700	731	3.7	4.5
Surat	570	600	631	5.3	5.2
Vadodara	425	450	563	5.9	25.1
Srinagar	450	500	500	11.1	0.0
Bangalore	465	465	465	0.0	0.0
Kollam	444	450	450	1.4	0.0
Thrissur	488	500	500	2.6	0.0
Thiruvananthapuram	550	550	550	0.0	0.0
Bhopal	350	350	350	0.0	0.0
Amritsar	425	450	450	5.9	0.0
Ludhiana	450	500	500	11.1	0.0
Jaipur	350	400	500	14.3	25.0
Jodhpur	500	550	550	10.0	0.0
Kota	350	350	450	0.0	28.6
Agra	300	325	375	8.3	15.4
Allahabad	290	325	375	12.1	15.4
Lucknow	400	400	450	0.0	12.5
Ghaziabad	300	325	375	8.3	15.4
Kanpur	250	300	363	20.0	21.0
Meerut	250	275	300	10.0	9.1
Varanasi	215	225	250	4.7	11.1
Kolkata	300	300	350	0.0	16.7

Rajkot paid highest average wage of Rs. 731 for Mason (first Class) during 2013 while Varanasi paid the lowest wage of Rs. 215 in 2011 amongst the Million Plus cities. The wage rate for Mason (First Class) remained constant at Rs. 465/-, Rs. 550/- and Rs. 350/- per day in Bangalore, Thiruvananthapuram and Bhopal, respectively during the three years from 2011 to 2013. Similarly the wage rate is constant at Rs. 350 in Kota and Rs. 400 in Lucknow and Rs. 300 in Kolkata during 2011 and 2012. It is also observed that in Hyderabad, Chandigarh, Srinagar, Kollam, Thrissur, Amritsar, Ludhiana and Jodhpur the wage rate is constant at Rs. 400/-, Rs. 350/-, Rs. 500/-, Rs. 450/-, Rs. 500/-, Rs. 450/-, Rs. 500/-, Rs. 550/-, respectively during 2012 and 2013.

Table-19 also shows the percentage variation in the average wage rate for Mason (First Class) during 2012 and 2013 over the years 2011 and 2012. Hyderabad and Kanpur recorded significant increase in the average wage of Mason (First class) in 2012 as compared to average wages during 2011 with 23.5 percent and 20.0 percent, respectively. In 2013 Vadodara and Kota recorded an increase of 25.1 percent and 28.6 percent respectively over the wages of Mason (First Class) during 2012.

Figure 28 **Average wage rates of Mason (First Class) in Million Plus Cities during 2011-2013**

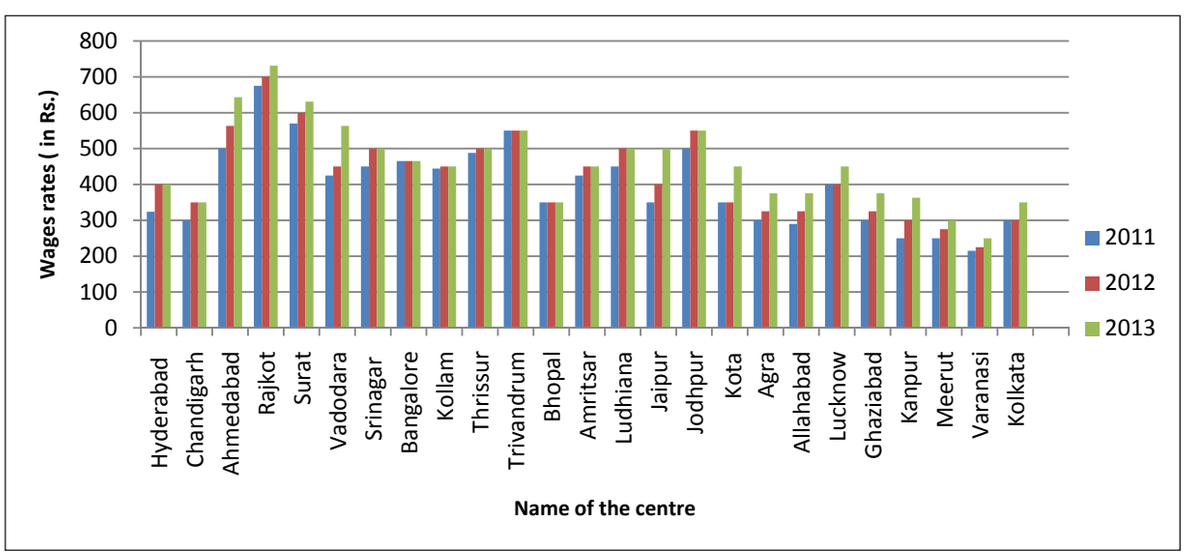
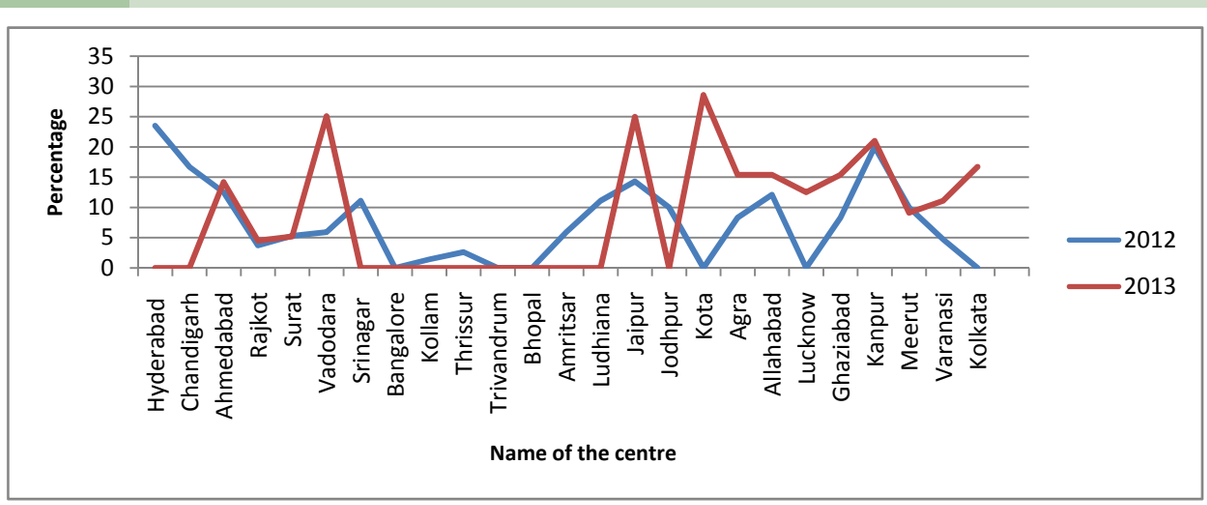


Figure 29 **Percentage Variation of Average Wage Rates of Mason (Class I) in million plus cities during 2011-2013**



6.2 Carpenter (First Class)

Carpenter is another skilled worker who makes, finishes, and repairs wooden objects and structures. Carpenter is also important among workers engaged in building construction activities. A record of wages rates for Million Plus cities during 2011 to 2013 and percentage variations in the average price of average rates of carpenter (first class) during 2012 and 2013 over the years 2011 and 2012 is given in Table 20.

The table-20 shows average Wage rate of Carpenter (First Class) in Million Cities during 2011 to 2013 and percentage variation during 2012 and 2013 over the years 2011 and 2012.The average wage for Carpenter (First class) varies from Rs. 195/- per day in Allahabad in 2011 to Rs. 850/- per day in Thiruvananthapuram of Kerala in 2013. The wage rate for Carpenter (First Class) is constant at Rs. 300/- in Kota, Rs. 195/- in Allahabad and Rs. 350/- in Kolkata during 2011 and 2012.

The table-20 also indicates the percentage variation in the average wage of Carpenter (First Class) during 2012 and 2013 over the years 2011 and 2012. In the year 2012 Bangalore recorded a decrease of (-) 7.1 percent over the average wage rate for Carpenter (First Class) in 2011. Surat and Vadodara recorded a highest increase of 133 percent and 109.9 percent, respectively in 2012 over the average wage rate (first Class) in 2011. Allahabad, Ghaziabad and Lucknow showed an increase of 92.3 percent, 86.0 percent and 77.1 percent, respectively in 2013 over the wage rate of Carpenter (first Class) of 2012.

Table 20 **Average Wage Rates and Percentage Variation of Carpenter (First Class) in Million Plus Cities during 2011-2013**

(In Rs. per day)

City Name	Average Wage Rates of Carpenter (First Class)			Percentage Variation During	
	2011	2012	2013	2012	2013
Hyderabad	324	400	400	23.5	0.0
Chandigarh	350	400	400	14.3	0.0
Ahmedabad	500	563	643	12.6	14.2
Rajkot	450	500	531	11.1	6.2
Surat	258	600	625	133.0	4.2
Vadodara	226	475	613	109.9	28.9
Srinagar	450	480	480	6.7	0.0
Bangalore	495	460	495	-7.1	7.6
Kollam	444	750	750	69.0	0.0
Thrissur	488	800	800	64.1	0.0
Thiruvananthapuram	600	850	850	41.7	0.0
Bhopal	338	350	350	3.7	0.0
Amritsar	305	450	450	47.5	0.0
Ludhiana	325	500	500	53.8	0.0
Jaipur	350	400	500	14.3	25.0
Jodhpur	400	450	600	12.5	33.3
Kota	300	300	450	0.0	50.0
Agra	240	325	400	35.4	23.1
Allahabad	195	195	375	0.0	92.3
Lucknow	200	240	425	20.0	77.1
Ghaziabad	200	215	400	7.5	86.0
Kanpur	250	290	450	16.0	55.2
Meerut	200	275	394	37.5	43.2
Varanasi	220	250	356	13.6	42.5
Kolkata	350	350	400	0.0	14.3

Figure 30 Average wage rates of Carpenter (First Class) in Million Plus Cities during 2011 to 2013

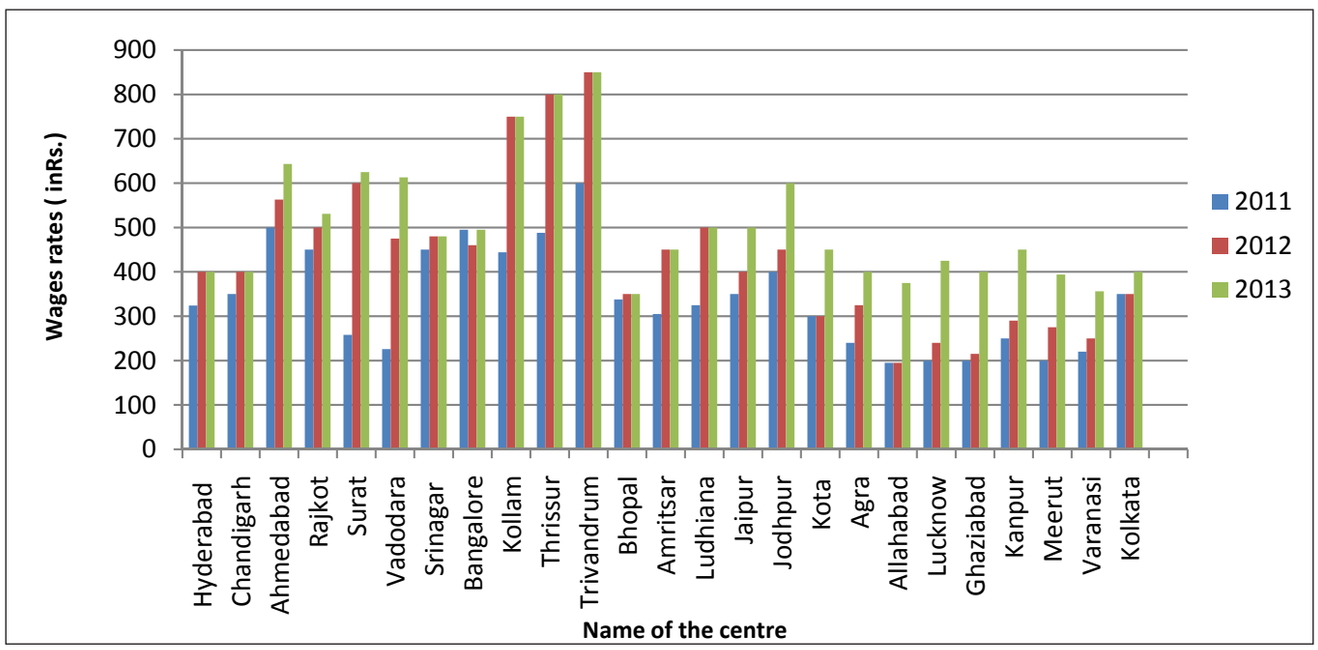
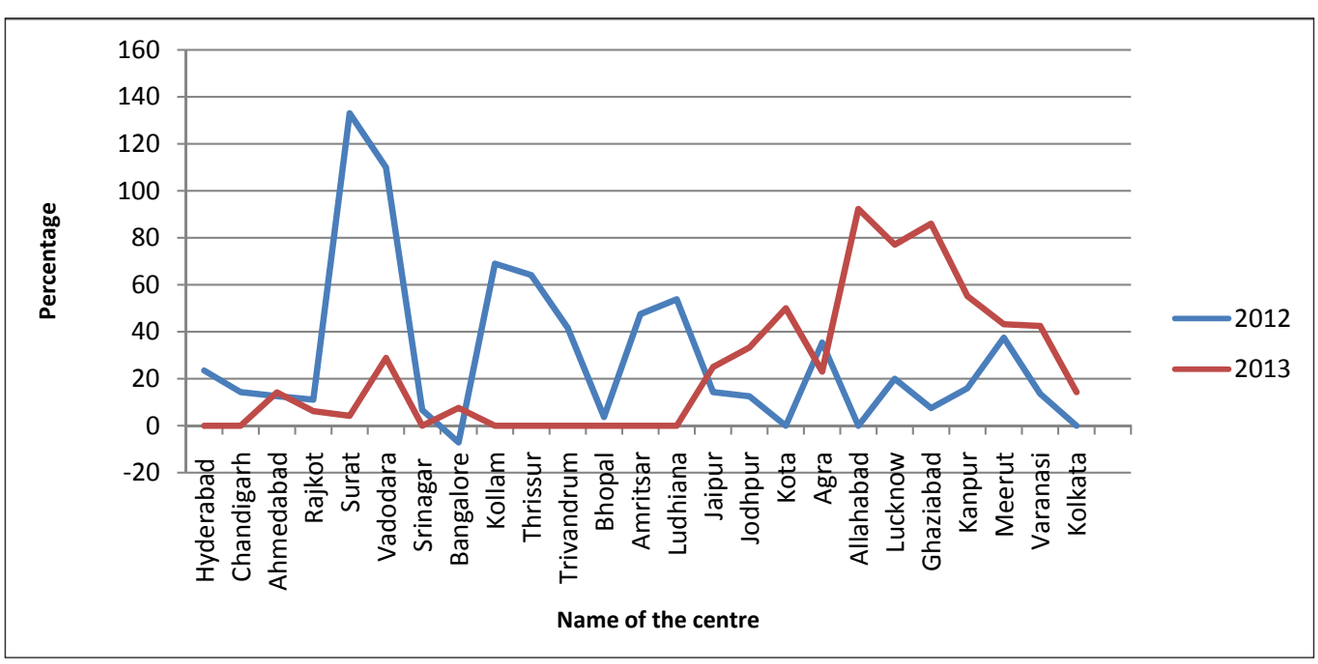


Figure 31 Percentage Variation of Average Wage Rates of Carpenter (First Class) in Million Plus cities during 2011-2013



6.3 Un-Skilled Labour

Un-Skilled labour is most commonly used in construction and industrial activities. Unskilled workers are those who have received no special training and have few specific skills. As the society moves into an increasingly technological one, the members of this group will develop more and more skills. These jobs can be performed by any other worker.

The following are the characteristics of unskilled jobs:

- Unskilled job is one that requires no skill or professional training
- There are various jobs which demand this kind of workers
- Adapt themselves to different work environment

There are two broad categories of un-skilled labour, which are commonalty used in building construction activities:

6.3.1 Un-Skilled Labour (Male)

A brief account of average wage rates in Million Plus cities for 2011 to 2013 and percentage variations in average wages rates of un-skilled labour (male) during 2012 and 2013 over the previous years are given below in Tables-21.

The table-21 shows that the average rate of Un-Skilled labour (Male) vary from Rs. 650/- per day in Kollam, Trivendrum in 2013 to Rs. 110/- per day in 2011 in Ghaziabad which is the lowest paying city for un-skilled labour (Male) among the Million plus cities. The Wage rate for un-skilled labour (Male) remained constant at Rs. 280/- and Rs. 250/- in Bangalore and Bhopal, respectively during 2011 to 2013.Similarly in Jodhpur, Kota, Allahabad, Ghaziabad and Kolkata the Wage rate for un-skilled labour (Male) is constant at Rs. 300/-, Rs. 200/-, Rs. 120/-, Rs. 110/-, Rs. 240/-, respectively during 2011 and 2012.

The percentage variation in average wage rate for un-skilled labour(Male) during 2012 and 2013 over the year 2011 and 2012 have been indicated in Table-21. The wage rate for unskilled labour (Male) in Kollam, Thrissur recorded an increase of 103.9 percent, 100.0 percent, respectively in 2012 over the wage rate of 2011. Other all Million Plus cities are showing an increase of wage rate of Un-skilled (Male) during 2012 over the year 2011, except Ahmadabad which recorded a decrease of (-) 3.0 percent. In 2013 Allahabad, Ghaziabad, Varanasi, Lucknow recorded an increase of 129.2 percent, 127.3 percent, 90.0 and 84.4 percent, respectively over the wage rate of un-skilled labour (Male) in 2012.

Table 21 **Average Wage Rates and Percentage Variation of Un-Skilled Labour (Male) in Million Plus Cities during 2011-2013**

(In Rs. per day)

City Name	Average Wage Rate Un-Skilled Labour (Male)			Percentage Variation During	
	2011	2012	2013	2012	2013
Hyderabad	224	300	350	33.9	16.7
Chandigarh	160	240	240	50.0	0.0
Ahmedabad	248	240	284	-3.0	18.2
Rajkot	288	300	331	4.3	10.4
Surat	180	291	313	61.8	7.3
Vadodara	161	250	338	55.0	35.0
Srinagar	300	350	350	16.7	0.0
Bangalore	280	280	280	0.0	0.0
Kollam	319	650	650	103.9	0.0

Contd...

City Name	Average Wage Rate Un-Skilled Labour (Male)			Percentage Variation During	
	2011	2012	2013	2012	2013
Thrissur	275	550	550	100.0	0.0
Thiruvananthapuram	469	650	650	38.7	0.0
Bhopal	250	250	250	0.0	0.0
Amritsar	200	300	300	50.0	0.0
Ludhiana	200	300	300	50.0	0.0
Jaipur	250	280	350	12.0	25.0
Jodhpur	300	300	400	0.0	33.3
Kota	200	200	250	0.0	25.0
Agra	138	183	244	32.7	33.6
Allahabad	120	120	275	0.0	129.2
Lucknow	125	153	281	22.0	84.4
Ghaziabad	110	110	250	0.0	127.3
Kanpur	146	175	250	19.9	42.9
Meerut	135	190	294	40.7	54.6
Varanasi	115	125	238	8.7	90.0
Kolkata	240	240	260	0.0	8.3

Figure 32 Average wage rates of Un-Skilled Labour (Male) in Million Plus Cities during 2011 to 2013

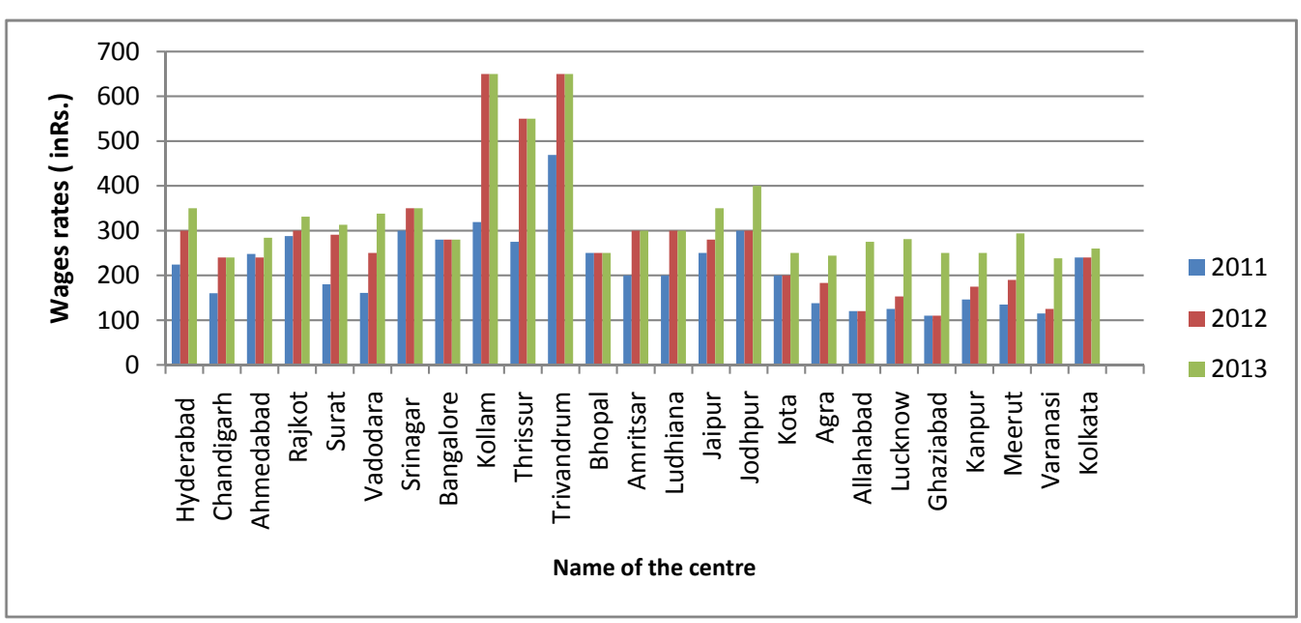
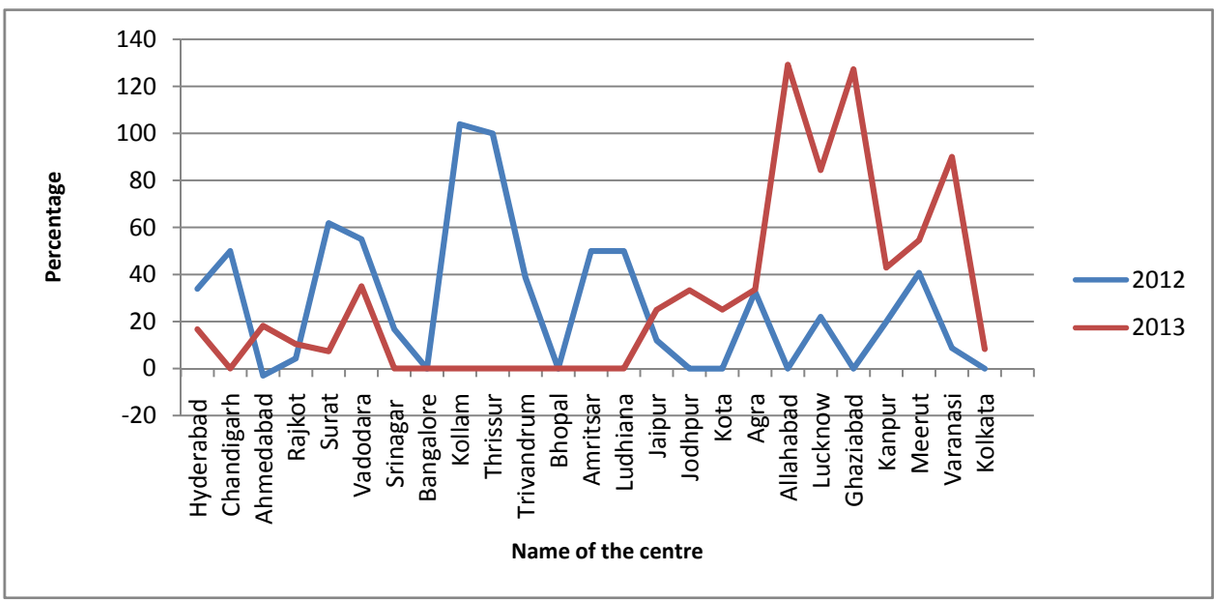


Figure 33 **Percentage Variation of Average wage rates of Un-Skilled Labour (Male) in Million Plus Cities during 2011 to 2013**



6.3.2 Un-Skilled Labour (Female)

The contribution of female as an un-skilled labour in building construction activities is equally important like a male labour. A record of wages rates for Million Plus cities during 2011 to 2013 and percentage variations in the average wage rates of un-skilled labour (female) during 2012 and 2013 over the years 2011 and 2012 given in Table 22

Table 22 **Average Wages Rates and Percentage Variation of Un-Skilled Labour (Female) in Million Plus Cities during 2011-2013**

(In Rs. per day)

City Name	Average Wages Rate Un-Skilled Labour (Female)			Percentage Variation During	
	2011	2012	2013	2012	2013
Hyderabad	186	250	300	34.4	20.0
Chandigarh	130	200	200	53.8	0.0
Ahmedabad	245	209	240	-14.8	15.0
Rajkot	225	250	281	11.1	12.5
Surat	225	259	276	15.0	6.5
Vadodara	161	250	338	55.0	35.0
Srinagar	250	300	300	20.0	0.0
Bangalore	250	250	250	0.0	0.0
Kollam	269	500	500	86.0	0.0
Thrissur	300	450	450	50.0	0.0
Thiruvananthapuram	469	650	650	38.7	0.0
Bhopal	238	250	250	5.3	0.0
Amritsar	158	250	250	58.7	0.0
Ludhiana	150	250	250	66.7	0.0

Contd...

City Name	Average Wages Rate Un-Skilled Labour (Female)			Percentage Variation During	
	2011	2012	2013	2012	2013
Jaipur	200	250	350	25.0	40.0
Jodhpur	250	275	350	10.0	27.3
Kota	150	150	200	0.0	33.3
Agra	130	130	250	0.0	92.3
Allahabad	120	120	275	0.0	129.2
Lucknow	125	150	231	20.0	54.2
Ghaziabad	110	250	250	127.3	0.0
Kanpur	146	170	225	16.4	32.4
Meerut	135	160	250	18.5	56.3
Varanasi	115	125	225	8.7	80.0
Kolkata	250	250	250	0.0	0.0

Table-22 shows that the wage rate for an un-skilled (female) during 2011 to 2013 as well as the percentage variation in average wage rate of un-skilled labour (female) in 2012 and 2013 over the years 2011 and 2012. The wage rate for un-skilled (female) vary from Rs. 110/- per day in Ghaziabad in 2011 to Rs. 650/- per day in Trivendrum in 2013. The wage rate of unskilled labour (Female) remained constant in Bangalore and Kolkata at Rs. 250/- per day from 2011 to 2013. Thiruvananthapuram is the only city paying highest for un-skilled labour (female) among all Million Plus cities from 2011 to 2013.

Table-22 also gives an account of percentage variation in the average wage rates for un-skilled labour (female) during 2012 and 2013 over the average wage rate of 2011 and 2012. Ghaziabad recorded a significant increase of 127.3 percent and Ahmedabad recorded a decrease of (-) 14.8 percentage of un-skilled (female) labour wages during 2012 over the year 2011. In 2013 the highest percentage variation was observed in Allahabad and Varanasi at 129.2 percent and 80.0 percent, respectively over the wage rate of un-skilled labour (female) in the year 2012.

Figure 34 **Average wage rates of Un-Skilled Labour (Female) in Million Cities during 2011 to 2013**

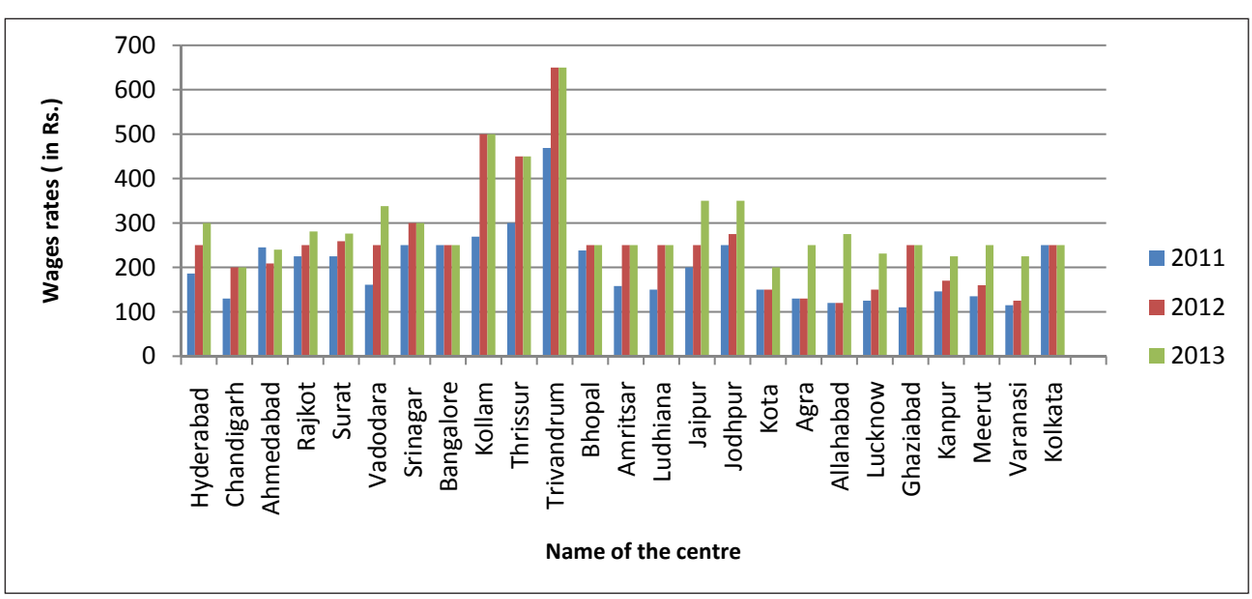
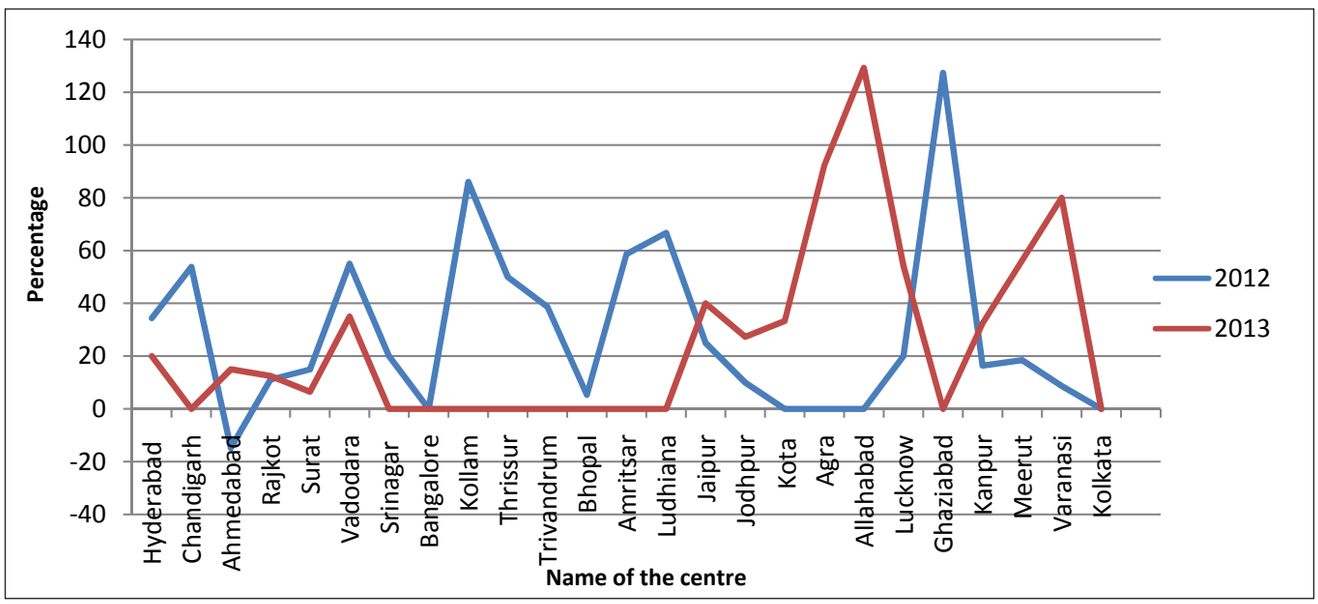


Figure 35 **Percentage Variation of Average wage rates of Un-Skilled Labour (Female) in Million Plus Cities during 2011 to 2013**



7 Wages of Construction Labour – Zone-wise Analysis

In this Compendium, an effort has been made to analyse zone wise data of wages. An analysis of wage rates of labour and percentage variations with respect to selected categories of labour i.e. mason (first class), carpenter (first class) and un- skilled labour for male & female for the year 2011 to 2013 has been presented with respect to the five zones i.e. north zone, central zone, south zone, east zone and west zone.

Table 23 **Zone wise Average Wage Rates and Percentage Variation of Mason (First Class) during 2011 to 2013**

(In Rs. per day)

Zone Name	Average Wage rates			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	6	7
North Zone	348	376	394	8.0	4.8
Central Zone	350	387	427	10.6	10.1
South Zone	439	460	461	5.0	0.0
East Zone	361	361	397	0.0	10.1
West Zone	408	463	514	13.4	11.0

Figure 36 **Zone wise Average Wage Rates of Mason (First Class)during 2011 to 2013**

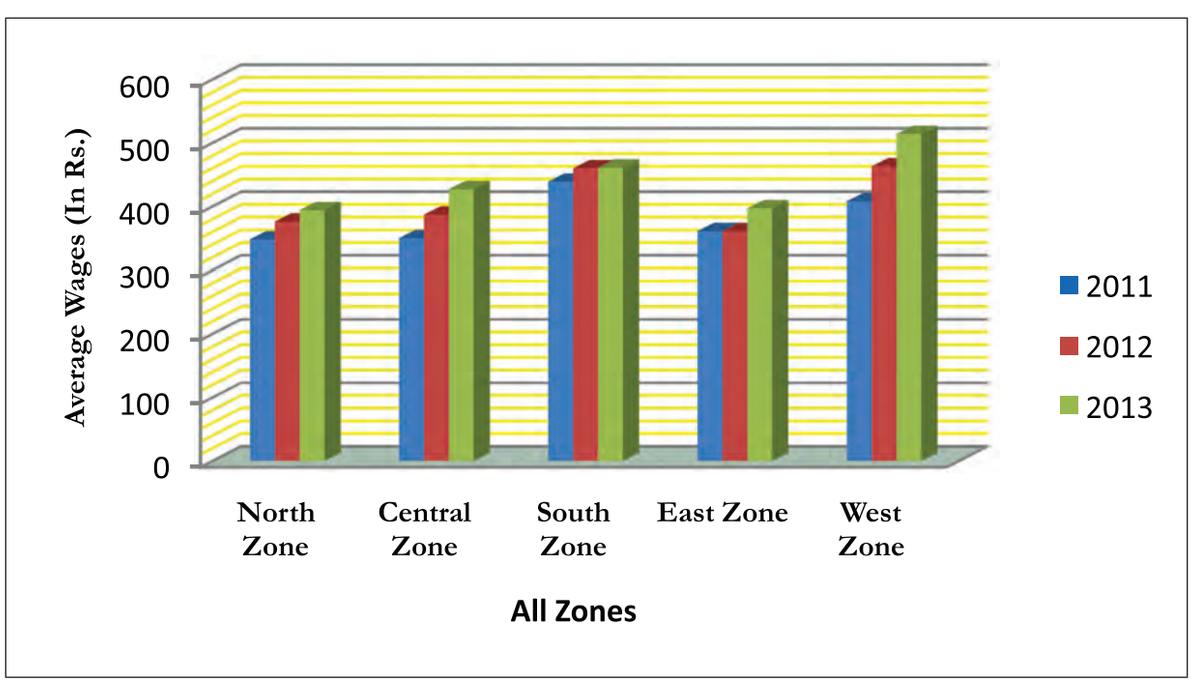


Table 24 Zone wise Average Wage Rates and Percentage Variation of Carpenter (First Class) during 2011 to 2013

(In Rs. per day)

Zone Name	Average Wage rates			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	6	7
North Zone	348	370	393	6.1	6.2
Central Zone	365	393	426	7.5	8.4
South Zone	436	425	425	-2.4	0.0
East Zone	363	369	395	1.6	6.9
West Zone	418	449	480	7.5	6.9

Figure 37 Zone wise Average Wage Rates of Carpenter (First Class) during 2011 to 2013

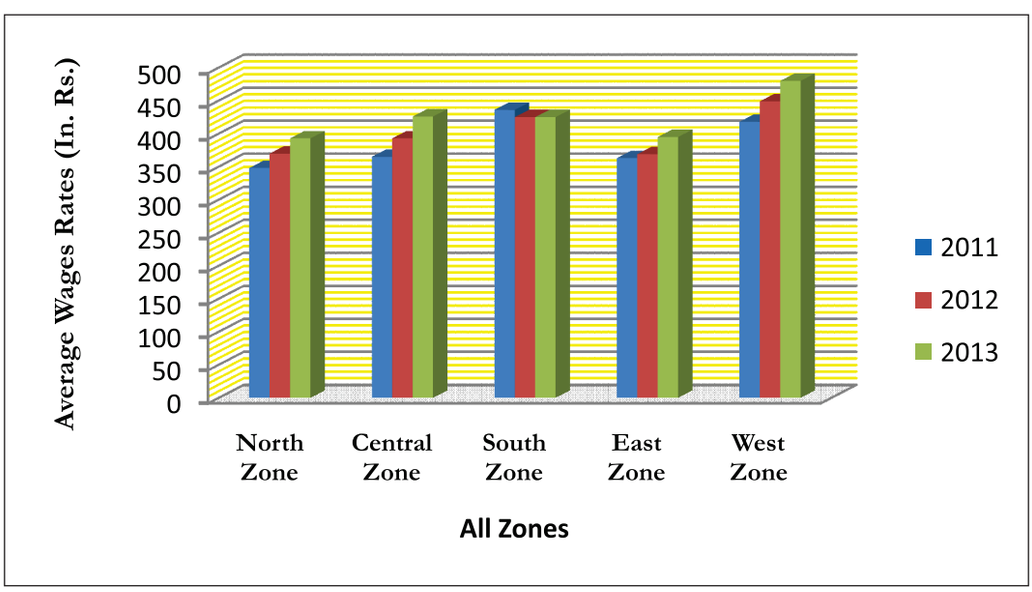


Table 25 Zone wise Average Wage Rates and Percentage Variation of Un- Skilled Labour (Male) during 2011 to 2013

(In Rs. per day)

Zone Name	Average Wage rates			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	6	7
North Zone	210	224	238	6.7	6.2
Central Zone	223	235	261	5.4	11.0
South Zone	272	286	286	5.2	0.0
East Zone	227	231	233	1.8	0.9
West Zone	247	263	286	6.6	8.6

Figure 38 Zone wise Average Wage Rates of Un- Skilled Labour (Male) during 2011 to 2013

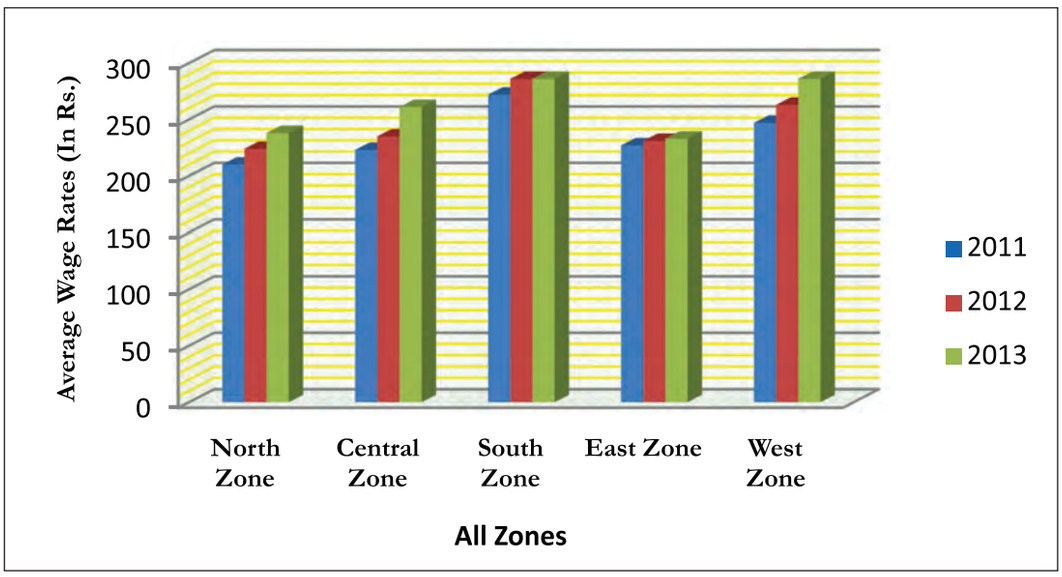
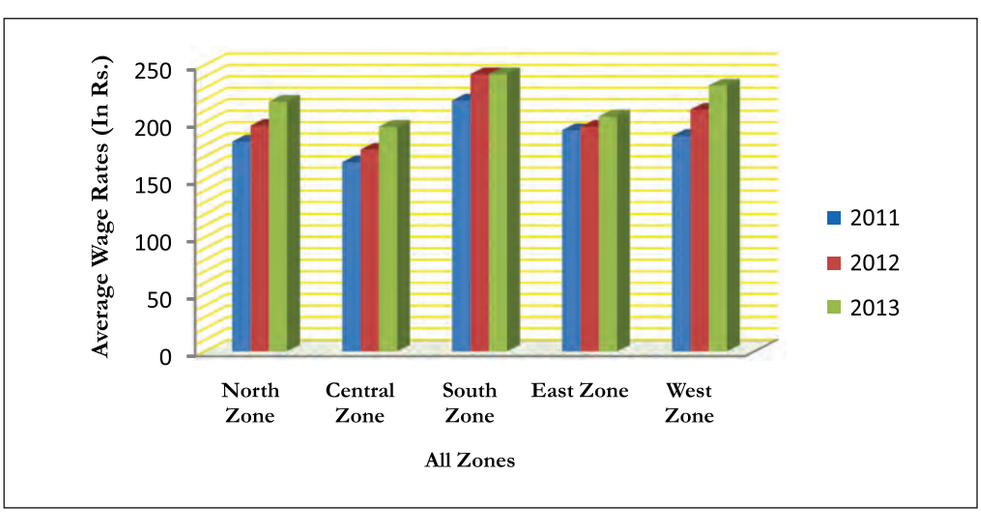


Table 26 Zone wise Average Wage Rates and Percentage Variation of Un- Skilled Labour (Female) during 2011 to 2013

(In Rs. per day)

Zone Name	Average Wage rates			Percentage Variation During	
	2011	2012	2013	2012	2013
1	2	3	4	6	7
North Zone	183	197	218	7.7	10.7
Central Zone	165	176	196	6.6	11.4
South Zone	219	242	242	10.7	-0.1
East Zone	193	196	205	1.5	4.7
West Zone	188	211	232	12.5	9.6

Figure 39 Zone wise Average Wage Rates of Un- Skilled Labour (Female)during 2011 to 2013



Data Appendices (1-27)

State-wise/ Million Plus City-wise Quarterly Prices of Building Materials

[In the Appendix NA indicates data is not available for the particular building material for various reasons including unavailability of the building material, price of the same quality of building material not being available and the designated market center not having the relevant details.]

Appendix 1	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	HYDERABAD
STATE	ANDHRA PRADESH

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4000	4000	4000	4000	4225	4225	4225	4225	4700	4700	4700	4700
2	Sand (Coarse)	Cu.mt	647	647	647	647	647	647	647	647	647	647	647	647
3	Stone Ballast (20mm/gauge)	Cu.mt	1119	1119	1205	1205	1119	1119	1205	1205	1205	1205	1100	1155
4	Timber :C.P. Teak	Cu.mt	80727	77500	77500	77500	80727	77500	77500	77500	95349	98880	98950	98950
5	Timber :Sal wood	Cu.mt	33030	31779	31779	33262	35314	35314	35314	35314	35494	35494	35494	35494
6	Cement (High Strength)	Metric Ton	5200	5200	5200	5200	5200	5200	5200	5200	5200	5200	5200	5200
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	42	42	49	49	45	45	45	50	50	60	65	65
8	Tiles (Glazed)	1000 Unit	30000	30000	30000	30000	35000	35000	35000	35000	35000	35000	35000	35000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	19375	19375	19375	19375	21400	21400	21400	21400	21644	21644	21644	21644

Appendix 2	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Vishakhapatnam
STATE	Andhra Pradesh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4400	4400	3700	3700	3600	4600	5800	3700	4700	4700	4700	4700
2	Sand (Coarse)	Cu.mt	600	600	600	600	500	500	700	700	600	600	700	700
3	Stone Ballast (20mm/gauge)	Cu.mt	1167	1217	1334	1334	1263	1263	1263	1263	1263	1263	1263	1263
4	Timber :C.P. Teak	Cu.mt	72061	79267	83213	83213	72061	84756	84756	83213	93231	93231	93231	93231
5	Timber :Sal wood	Cu.mt	30883	37937	35653	37706	36030	40612	40612	37706	44673	44673	43124	43124
6	Cement (High Strength)	Metric Ton	5375	5375	5375	5375	5600	5500	5200	5200	5700	5500	5100	5200
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	50	50	50	50	50	50	60	60	75	75	75	75
8	Tiles (Glazed)	1000 Unit	22500	22500	22500	22500	24000	24000	24000	24000	24000	24000	24000	24000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	21000	21000	21000	21000	21000	21000	21000	21000	21000	21000	21000	21000

Appendix 3	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Chandigarh
STATE	Chandigarh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800
2	Sand (Coarse)	Cu.mt	450	450	450	450	450	450	450	450	450	450	450	450
3	Stone Ballast (20mm/gauge)	Cu.mt	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
4	Timber :C.P. Teak	Cu.mt	78000	78000	78000	78000	78000	78000	78000	78000	78000	78000	78000	78000
5	Timber :Sal wood	Cu.mt	42000	42000	42000	42000	42000	42000	42500	42500	42500	42500	43000	44000
6	Cement (High Strength)	Metric Ton	5200	5200	5200	5200	5200	5200	5200	5200	5200	5200	5200	5200
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	70	70	70	70	70	70	75	75	75	75	80	80
8	Tiles (Glazed)	1000 Unit	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000

Appendix 4	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Delhi
STATE	Delhi

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	5330	5330	5330	5330	5330	5330	5330	5330	5330	5330	5330	5330
2	Sand (Coarse)	Cu.mt	766	766	766	766	766	766	766	766	766	766	766	766
3	Stone Ballast (20mm/gauge)	Cu.mt	1337	1337	1337	1337	1337	1337	1337	1337	1337	1337	1337	1337
4	Timber :C.P. Teak	Cu.mt	83020	83020	83020	83020	83406	83406	83406	83406	83406	83406	83406	83406
5	Timber :Sal wood	Cu.mt	51030	51030	51030	51034	52200	52200	52200	52209	54367	54367	54367	54367
6	Cement (High Strength)	Metric Ton	5563	5563	5563	5563	5563	5563	5563	5563	5563	5563	5563	5563
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	70	70	70	70	74	74	74	74	87	87	87	87
8	Tiles (Glazed)	1000 Unit	14500	14500	14500	14500	14500	14500	14500	14500	15484	15484	15484	15484
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	29917	29917	29917	29917	29917	29917	29917	29917	29917	29917	29917	29917

Appendix 5	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Ahmedabad
STATE	Gujarat

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4450	4600	4700	4800	4850	4900	5000	5200	5200	5200	5220	5220
2	Sand (Coarse)	Cu.mt	500	600	600	600	650	675	675	675	675	675	680	680
3	Stone Ballast (20mm/gauge)	Cu.mt	1300	1350	1350	1350	1375	1375	1400	1400	1400	1400	1460	1460
4	Timber :C.P. Teak	Cu.mt	65000	70000	70000	70000	71000	72000	72500	73000	73000	73000	73050	73050
5	Timber :Sal wood	Cu.mt	39000	39000	39000	39000	39500	40000	40500	40700	40700	40700	40720	40720
6	Cement (High Strength)	Metric Ton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	65	70	70	70	75	80	85	85	85	85	90	90
8	Tiles (Glazed)	1000 Unit	14000	14000	14000	14000	14500	14750	14850	14850	14850	14850	14500	14750
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	36600	37000	37000	37000	37000	37500	37500	37500	37500	37500	38000	38000

Appendix 6	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Rajkot
STATE	Gujarat

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4700	5000	5000	5000	5000	5000	4900	4400	5000	5000	5000	5000
2	Sand (Coarse)	Cu.mt	960	960	960	970	970	970	970	970	880	890	900	940
3	Stone Ballast (20mm/gauge)	Cu.mt	860	860	860	870	880	880	880	900	910	915	915	915
4	Timber :C.P. Teak	Cu.mt	68000	68000	68000	68000	75000	76000	76000	76000	76100	76150	76150	76150
5	Timber :Sal wood	Cu.mt	55000	55000	55000	55000	55500	56000	56000	56000	56100	56120	56120	56120
6	Cement (High Strength)	Metric Ton	5200	5200	5500	5800	5800	5500	5500	5200	5800	5500	5500	5500
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	60	60	60	65	75	75	75	75	82	85	85	85
8	Tiles (Glazed)	1000 Unit	18000	18000	18000	18000	18000	18000	17950	19900	19900	18000	18000	17950
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	47500	47500	47500	47550	47550	47550	47530	49600	49720	49750	49750	49750

Appendix 7	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Surat
STATE	Gujarat

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4200	4200	4200	4200	4600	4600	4600	4600	4600	4600	4600	4600
2	Sand (Coarse)	Cu.mt	600	600	600	600	625	625	625	625	650	650	650	650
3	Stone Ballast (20mm/gauge)	Cu.mt	730	730	730	730	730	730	730	730	800	800	800	800
4	Timber :C.P. Teak	Cu.mt	50000	50000	50000	50000	60000	60000	60000	62000	65000	65000	65000	65000
5	Timber :Sal wood	Cu.mt	28000	28000	28000	28000	28000	28000	28000	28000	30000	32000	32000	31000
6	Cement (High Strength)	Metric Ton	5450	5450	5450	5450	5500	5500	5500	5500	5500	5500	5500	5500
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	60	60	60	60	60	60	60	60	60	60	60	60
8	Tiles (Glazed)	1000 Unit	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	30000	30000	30000	30000	31200	31200	31200	31200	31200	31200	31200	31200

Appendix 8	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Srinagar
STATE	Jammu & Kashmir

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500	4500
2	Sand (Coarse)	Cu.mt	650	750	800	800	750	750	800	800	750	750	800	800
3	Stone Ballast (20mm/gauge)	Cu.mt	625	625	750	750	750	750	625	625	625	625	750	750
4	Timber :C.P. Teak	Cu.mt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5	Timber :Sal wood	Cu.mt	33000	34000	34000	33000	33000	34000	34000	33000	33000	33000	34000	34000
6	Cement (High Strength)	Metric Ton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	Tiles (Glazed)	1000 Unit	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600

Appendix 9	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Bangalore
STATE	Karnataka

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	7000	7000	7000	7000	7000	7000	7000	7000	7000	7000	7000	7000
2	Sand (Coarse)	Cu.mt	950	950	950	950	950	950	950	950	950	950	950	950
3	Stone Ballast (20mm/gauge)	Cu.mt	600	600	600	600	600	600	600	600	600	600	600	600
4	Timber :C.P. Teak	Cu.mt	98000	98000	98000	98000	98000	98000	98000	98000	98000	98000	98000	98000
5	Timber :Sal wood	Cu.mt	43000	43000	43000	43000	43000	43000	43000	43000	43000	43000	43000	43000
6	Cement (High Strength)	Metric Ton	6100	6100	6100	6100	6100	6100	6100	6100	6100	6100	6100	6100
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	55	55	55	55	55	55	55	55	55	55	55	55
8	Tiles (Glazed)	1000 Unit	31550	31550	31550	31550	31550	31550	31550	31550	31550	31550	31550	31550
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000

Appendix 10	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Kannur
STATE	Kerala

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	5750	5750	5750	5750	5900	5900	5900	5900	6375	6375	6375	6375
2	Sand (Coarse)	Cu.mt	943	943	943	943	950	950	950	950	950	950	950	950
3	Stone Ballast (20mm/gauge)	Cu.mt	710	710	710	710	710	710	710	710	710	710	710	710
4	Timber :C.P. Teak	Cu.mt	147887	147887	147887	147887	147887	147887	147887	147887	147887	147887	147887	147887
5	Timber :Sal wood	Cu.mt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	Cement (High Strength)	Metric Ton	6700	6700	6700	6700	7400	7400	7400	7400	7400	7400	7400	7400
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	Tiles (Glazed)	1000 Unit	50571	50571	50571	50571	50571	50571	50571	50571	62500	62500	62500	62500
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	65098	65098	65098	65098	64560	64560	64560	66712	68860	68860	68860	68860

Appendix 11	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Kochi
STATE	Kerala

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	5900	6200	6200	6250	6200	6200	6250	5900	6250	6250	6250	6250
2	Sand (Coarse)	Cu.mt	625	625	625	625	644	644	644	644	812	812	812	812
3	Stone Ballast (20mm/gauge)	Cu.mt	950	950	950	950	950	950	950	950	1049	1147	1147	1147
4	Timber :C.P. Teak	Cu.mt	150088	141260	123603	123603	123603	123603	141260	150088	142431	142431	142431	142431
5	Timber :Sal wood	Cu.mt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	Cement (High Strength)	Metric Ton	6000	7060	7060	7060	6000	7060	7060	7060	7060	7300	7300	7300
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	Tiles (Glazed)	1000 Unit	42000	42000	48256	48256	48256	48256	42000	42000	42000	42000	48256	48256
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	58030	58030	58030	59375	58030	58030	58030	59375	58030	58030	58030	59375

Appendix 12	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Kozhikode
STATE	Kerala

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	10250	10250	10250	10250	10250	10250	10250	10250	10250	10250	10250	10250
2	Sand (Coarse)	Cu.mt	662	662	662	662	710	710	800	800	948	948	948	948
3	Stone Ballast (20mm/gauge)	Cu.mt	990	990	990	990	1024	1130	1148	1148	1130	1130	1130	1130
4	Timber :C.P. Teak	Cu.mt	158404	158404	158404	158404	160353	160353	160353	160353	160353	160353	160353	160353
5	Timber :Sal wood	Cu.mt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	Cement (High Strength)	Metric Ton	6700	6700	6700	6700	6700	6700	6700	6700	7000	7400	7400	7400
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	Tiles (Glazed)	1000 Unit	50590	50590	50590	50590	50590	50590	50590	50590	50590	50590	50590	50590
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	31926	31926	31926	31926	31926	31926	31926	31926	37775	37775	37775	37775

Appendix 13	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Malappuram
STATE	Kerala

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	7250	7500	7500	7500	8750	8750	8750	9000	9875	10250	10250	10250
2	Sand (Coarse)	Cu.mt	875	875	875	875	875	875	875	875	875	875	875	875
3	Stone Ballast (20mm/gauge)	Cu.mt	990	990	990	990	1050	1050	1050	1050	1075	1175	1175	1175
4	Timber :C.P. Teak	Cu.mt	130000	130000	130000	130000	130000	130000	130000	130000	131000	131000	131000	131000
5	Timber :Sal wood	Cu.mt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	Cement (High Strength)	Metric Ton	6600	6600	6600	6600	7000	7000	7000	7000	6800	7400	7400	7400
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	Tiles (Glazed)	1000 Unit	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	43000	43000	43000	44000	43000	43000	43000	44000	44000	44000	44000	44000

Appendix 14	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Thrissur
STATE	Kerala

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	5100	5100	5100	5100	5175	6250	6250	6250	6250	6300	6300	6300
2	Sand (Coarse)	Cu.mt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3	Stone Ballast (20mm/gauge)	Cu.mt	595	650	650	650	650	650	650	650	650	650	650	650
4	Timber :C.P. Teak	Cu.mt	139490	139490	139490	139490	139491	140650	140650	158000	158000	158000	158000	158000
5	Timber :Sal wood	Cu.mt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	Cement (High Strength)	Metric Ton	6375	6775	6775	6775	6900	6900	6900	6900	6900	6900	6900	6900
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	Tiles (Glazed)	1000 Unit	42000	42000	42000	42000	42000	42000	42000	42000	42000	42000	42000	42000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	45500	45500	45500	45500	45500	45500	45500	45500	45500	45500	45500	45500

Appendix 15	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Trivandrum
STATE	Kerala

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	5750	6100	6100	6100	6000	6750	7250	7300	7400	7465	7465	7465
2	Sand (Coarse)	Cu.mt	700	700	700	700	1000	1100	1150	1150	1188	1188	1188	1188
3	Stone Ballast (20mm/gauge)	Cu.mt	875	975	975	975	1025	1050	1075	1100	1150	1150	1150	1200
4	Timber :C.P. Teak	Cu.mt	145000	145000	145000	145000	171000	171000	173750	174150	174495	174495	174495	174495
5	Timber :Sal wood	Cu.mt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	Cement (High Strength)	Metric Ton	6450	6400	6400	6400	7000	7000	7000	7000	7760	7780	7780	7780
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	Tiles (Glazed)	1000 Unit	57500	57500	57500	57500	57500	57500	57500	57500	57500	57500	57500	57500
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	52775	52775	52775	52775	61900	61900	62600	62700	62815	62850	62850	62850

Appendix 16	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Bhopal
STATE	Madhya Pradesh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
2	Sand (Coarse)	Cu.mt	900	900	900	900	700	700	700	700	700	700	700	700
3	Stone Ballast (20mm/gauge)	Cu.mt	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
4	Timber :C.P. Teak	Cu.mt	90000	90000	90000	90000	90000	90000	90000	90000	90000	90000	90000	90000
5	Timber :Sal wood	Cu.mt	36000	36000	36000	36000	36000	36000	36000	36000	36000	36000	36000	36000
6	Cement (High Strength)	Metric Ton	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	Tiles (Glazed)	1000 Unit	30000	30000	30000	30000	35000	35000	35000	35000	35000	35000	35000	35000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	35000	35000	35000	35000	35320	35320	35320	35320	35320	35320	35320	35320

Appendix 17	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Amritsar
STATE	Punjab

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4600	4600	4200	4200	4500	4500	4500	4500	4500	4500	4500	4500
2	Sand (Coarse)	Cu.mt	600	600	600	600	600	600	600	600	600	600	600	600
3	Stone Ballast (20mm/gauge)	Cu.mt	580	580	580	580	580	580	580	580	580	580	580	580
4	Timber :C.P. Teak	Cu.mt	48600	48600	48600	48600	48600	48600	48600	48600	48600	48600	48600	48600
5	Timber :Sal wood	Cu.mt	42000	42000	42000	42000	42000	42000	42000	42000	42000	42000	42000	42000
6	Cement (High Strength)	Metric Ton	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	50	50	50	50	50	50	50	50	50	50	50	50
8	Tiles (Glazed)	1000 Unit	14400	14400	14400	14400	15000	15000	15000	15000	15000	15000	15000	15000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix 18	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Ludhiana
STATE	Punjab

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4700	4700	4700	4700	4800	4800	4800	4800	4800	4800	4800	4800
2	Sand (Coarse)	Cu.mt	650	650	650	650	650	650	650	650	650	650	650	650
3	Stone Ballast (20mm/gauge)	Cu.mt	530	530	530	530	530	530	530	530	530	530	530	530
4	Timber :C.P. Teak	Cu.mt	47000	47000	47000	47000	47000	47000	47000	47000	47000	47000	47000	47000
5	Timber :Sal wood	Cu.mt	43000	43000	43000	43000	43000	43000	43000	43000	43000	43000	43000	43000
6	Cement (High Strength)	Metric Ton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	60	60	60	60	60	60	60	60	60	60	60	60
8	Tiles (Glazed)	1000 Unit	19800	19800	19800	19800	19800	19800	19800	19800	19800	19800	19800	19800
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix 19	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Jaipur
STATE	Rajasthan

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	3575	3575	3575	3575	3575	3575	3575	3575	3575	3575	3575	3575
2	Sand (Coarse)	Cu.mt	680	680	680	680	700	700	700	700	700	700	700	700
3	Stone Ballast (20mm/gauge)	Cu.mt	770	770	770	770	770	770	770	770	770	770	770	770
4	Timber :C.P. Teak	Cu.mt	81845	81845	81845	81845	81845	81845	81845	81845	81845	81845	81845	81845
5	Timber :Sal wood	Cu.mt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6	Cement (High Strength)	Metric Ton	5450	5450	5450	5450	5950	5950	5950	5950	5950	5950	5950	5950
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	70	70	70	70	80	80	80	80	80	80	80	80
8	Tiles (Glazed)	1000 Unit	15840	15840	15840	15840	16000	16000	16000	16000	16000	16000	16000	16000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	23600	23600	23600	23600	25400	25400	25400	25400	25400	25400	25400	25400

Appendix 20	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Jodhpur
STATE	Rajasthan

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	3700	3700	3700	3700	4250	4250	4250	4250	4250	4250	4250	4250
2	Sand (Coarse)	Cu.mt	500	500	500	500	650	650	650	650	650	650	650	650
3	Stone Ballast (20mm/gauge)	Cu.mt	500	500	500	500	600	600	600	600	600	600	600	600
4	Timber :C.P. Teak	Cu.mt	67098	67098	67098	67098	77833	77833	77833	77833	77833	77833	77833	77833
5	Timber :Sal wood	Cu.mt	29000	29000	29000	29000	31900	31900	31900	31900	31900	31900	31900	31900
6	Cement (High Strength)	Metric Ton	5600	5600	5600	5600	5800	5800	5800	5800	5800	5800	5800	5800
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
8	Tiles (Glazed)	1000 Unit	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	25000	25000	25000	25000	26000	26000	26000	26000	26000	26000	26000	26000

Appendix 21	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Agra
STATE	Uttar Pradesh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	3400	3400	3500	3200	3800	3800	4800	4300	4800	4800	5000	4300
2	Sand (Coarse)	Cu.mt	625	625	625	625	683	683	683	683	700	700	700	700
3	Stone Ballast (20mm/gauge)	Cu.mt	944	944	944	944	962	1130	1130	1130	1130	1271	1271	1271
4	Timber :C.P. Teak	Cu.mt	63675	63675	63675	63675	63700	63700	77695	84758	88290	88290	88290	84758
5	Timber :Sal wood	Cu.mt	31779	31779	31779	32400	32400	32400	44145	54739	57388	57388	57388	54739
6	Cement (High Strength)	Metric Ton	5800	5000	5300	5200	5200	5600	5200	5400	5600	5600	5600	5200
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	70	60	60	60	60	60	60	60	60	60	60	60
8	Tiles (Glazed)	1000 Unit	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	12900	12900	14500	14795	14500	14795	14795	14795	14500	14795	14795	14795

Appendix 22	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Allahabad
STATE	Uttar Pradesh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	3800	4200	4200	4800	5000	5000	5700	5800	5500	5500	5500	5500
2	Sand (Coarse)	Cu.mt	900	900	900	900	938	938	938	938	975	975	975	975
3	Stone Ballast (20mm/gauge)	Cu.mt	725	825	900	900	863	863	863	863	1150	1150	1150	1150
4	Timber :C.P. Teak	Cu.mt	65000	65000	65000	65000	65000	65000	65000	65000	75000	75000	75000	75000
5	Timber :Sal wood	Cu.mt	53000	53000	53000	53000	55000	62500	62500	62500	70000	70000	70000	70000
6	Cement (High Strength)	Metric Ton	4600	4800	4800	5700	6400	6200	5300	6300	6000	6300	6550	6800
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	75	75	75	80	75	75	75	80	75	75	75	75
8	Tiles (Glazed)	1000 Unit	13500	13500	13500	14000	14000	14666	14666	14666	14666	14666	29332	14666
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix 23	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Ghaziabad
STATE	Uttar Pradesh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4200	4200	3500	3200	3400	4200	5200	5200	5400	5000	4800	5500
2	Sand (Coarse)	Cu.mt	820	820	820	820	893	893	893	893	890	890	920	920
3	Stone Ballast (20mm/gauge)	Cu.mt	1500	1500	1500	1600	1589	1610	1650	1650	1589	1695	1695	1695
4	Timber :C.P. Teak	Cu.mt	105930	105930	105930	105930	105930	105930	105930	105930	112992	105930	120054	123585
5	Timber :Sal wood	Cu.mt	54730	58262	61792	61792	61792	63558	65323	66206	69207	69207	69207	69207
6	Cement (High Strength)	Metric Ton	5200	5500	5300	5960	6000	5400	5600	5600	5800	5400	5400	7200
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	50	50	50	50	50	50	50	50	50	60	60	60
8	Tiles (Glazed)	1000 Unit	10000	11000	11000	11000	11000	12000	12000	12000	12000	12200	12200	12200
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix 24	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Kanpur
STATE	Uttar Pradesh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	3800	3800	3600	3800	3800	3800	4500	5500	5700	5600	5300	6500
2	Sand (Coarse)	Cu.mt	900	900	900	900	850	850	1024	1024	953	988	1129	1059
3	Stone Ballast (20mm/gauge)	Cu.mt	1000	1000	1000	1000	1177	1200	1200	1200	1236	1342	1342	1342
4	Timber :C.P. Teak	Cu.mt	88000	88000	88500	88500	98880	98880	98896	109492	98868	98868	104194	104194
5	Timber :Sal wood	Cu.mt	26000	56000	56000	56000	63365	63365	35800	66225	67089	67000	72406	72406
6	Cement (High Strength)	Metric Ton	5600	5600	5000	6000	6010	6000	5000	5600	6000	6300	5800	6600
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	65	65	65	65	65	65	65	65	65	65	65	65
8	Tiles (Glazed)	1000 Unit	11670	11670	15500	15500	15500	15500	13600	13600	13600	13600	15500	15500
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	45000	45000	45000	45000	49000	49000	45500	49800	50000	50000	50000	50000

Appendix 25	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Lucknow
STATE	Uttar Pradesh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4500	4500	4500	4500	5000	5000	5700	6400	6800	6800	7000	7000
2	Sand (Coarse)	Cu.mt	800	800	800	800	875	875	875	875	925	925	925	925
3	Stone Ballast (20mm/gauge)	Cu.mt	1031	1031	1031	1031	1271	1271	1271	1271	1271	1271	1271	1271
4	Timber :C.P. Teak	Cu.mt	62500	62500	63000	64000	64000	65000	66000	68000	70000	70000	70000	70000
5	Timber :Sal wood	Cu.mt	27000	30000	30000	30500	30500	30500	32000	35000	35000	35000	35000	35000
6	Cement (High Strength)	Metric Ton	6000	6000	6000	5000	5000	6000	5700	5700	5600	5600	5600	5600
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	50	50	50	50	50	50	50	50	50	50	50	50
8	Tiles (Glazed)	1000 Unit	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	23000	23000	23000	23000	23000	23000	23000	23000	27750	27750	27750	27750

Appendix 26	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Meerut
STATE	Uttar Pradesh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	3800	4000	3700	3400	3300	3800	4500	4800	5000	5200	5100	5200
2	Sand (Coarse)	Cu.mt	962	962	962	962	1000	1000	1000	1000	1038	1038	1038	1038
3	Stone Ballast (20mm/gauge)	Cu.mt	1332	1443	1480	1480	1480	1520	1591	1591	1625	1625	1665	1702
4	Timber :C.P. Teak	Cu.mt	78000	72000	68000	66000	67000	73000	74000	74000	75000	75000	75000	77000
5	Timber :Sal wood	Cu.mt	48500	55500	52000	53000	53000	55000	57000	57000	57000	58000	57000	59000
6	Cement (High Strength)	Metric Ton	5900	5900	5900	5900	5975	5975	5975	5975	6000	6000	6000	6000
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	65	60	65	65	65	75	75	75	80	80	80	80
8	Tiles (Glazed)	1000 Unit	17500	17500	17500	17500	18000	18000	18000	18000	18000	18000	18000	18000
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix 27	Prices of Building Materials in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	Varanasi
STATE	Uttar Pradesh

(In Rs.)

S.N.	Material	Price Per	2011				2012				2013			
			Quarter Ending				Quarter Ending				Quarter Ending			
			Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Bricks(First Class)	1000 Unit	4400	4600	4700	4800	5600	6000	6000	4800	7000	7200	6200	7200
2	Sand (Coarse)	Cu.mt	850	850	850	850	850	850	850	724	800	900	900	900
3	Stone Ballast (20mm/gauge)	Cu.mt	1236	1236	1342	1342	1236	1236	1236	1236	1350	1350	1350	1350
4	Timber :C.P. Teak	Cu.mt	83215	88285	88285	88285	113005	105942	105942	127130	107000	115000	213000	113000
5	Timber :Sal wood	Cu.mt	47225	56502	63565	63565	56502	63565	63565	63565	66000	70000	128450	68800
6	Cement (High Strength)	Metric Ton	5600	5600	5600	5600	5600	5600	5600	5600	5600	5600	5600	5600
7	S.W. Pipes (100 mm Diameter)	Two Feet Long	60	65	65	65	65	65	65	65	70	75	80	80
8	Tiles (Glazed)	1000 Unit	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	Stone Slab (100 Sq. Mt.)	100 Sq. Mt.	17750	17750	17750	17750	22000	22000	22000	22000	22000	22000	22000	22000

Data Appendices (28-52)

State-wise/ Million Plus City-wise Quarterly Wage Rates of Construction Labour

Appendix 28	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	HYDERABAD
STATE	ANDHRA PRADESH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	324	324	324	324	400	400	400	400	400	400	400	400
2	Carpenter (First Class)	324	324	324	324	400	400	400	400	400	400	400	400
3	Un-Skilled Labour: Male	224	224	224	224	300	300	300	300	350	350	350	350
4	Un-Skilled Labour: Female	186	186	186	186	250	250	250	250	300	300	300	300

Appendix 29	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	KOLLAM
STATE	KERALA

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	425	450	450	450	450	450	450	450	450	450	450	450
2	Carpenter(First Class)	425	450	450	450	750	750	750	750	750	750	750	750
3	Un-Skilled Labour: Male	300	325	325	325	650	650	650	650	650	650	650	650
4	Un-Skilled Labour: Female	250	275	275	275	500	500	500	500	500	500	500	500

Appendix 30	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	CHANDIGARH
STATE	CHANDIGARH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	300	300	300	300	350	350	350	350	350	350	350	350
2	Carpenter (First Class)	350	350	350	350	400	400	400	400	400	400	400	400
3	Un-Skilled Labour: Male	160	160	160	160	240	240	240	240	240	240	240	240
4	Un-Skilled Labour: Female	130	130	130	130	200	200	200	200	200	200	200	200

Appendix 31	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	VADODARA
STATE	GUJARAT

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	425	425	425	425	400	450	450	500	550	550	550	600
2	Carpenter(First Class)	225	225	225	230	450	450	500	500	500	650	650	650
3	Un-Skilled Labour: Male	160	160	160	165	250	250	250	250	300	350	350	350
4	Un-Skilled Labour: Female	160	160	160	165	250	250	250	250	300	350	350	350

Appendix 32	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	AHMEDABAD
STATE	GUJARAT

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	500	500	500	500	500	550	600	600	600	650	660	660
2	Carpenter(First Class)	500	500	500	500	563	563	563	563	643	643	643	643
3	Un-Skilled Labour: Male	200	250	270	270	220	220	250	270	270	285	290	290
4	Un-Skilled Labour: Female	230	230	250	270	190	190	225	230	230	240	245	245

Appendix 33	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	RAJKOT
STATE	GUJARAT

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	600	700	700	700	700	700	700	700	700	725	750	750
2	Carpenter(First Class)	450	450	450	450	500	500	500	500	531	531	531	531
3	Un-Skilled Labour: Male	300	250	300	300	300	300	300	300	300	325	350	350
4	Un-Skilled Labour: Female	200	200	250	250	250	250	250	250	250	275	300	300

Appendix 34	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	SURAT
STATE	GUJARAT

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	270	290	290	290	550	600	625	625	650	625	625	625
2	Carpenter(First Class)	258	258	258	258	600	600	600	600	625	625	625	625
3	Un-Skilled Labour: Male	180	180	180	180	250	300	305	310	313	313	313	313
4	Un-Skilled Labour: Female	200	200	250	250	225	270	270	270	276	276	276	276

Appendix 35	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	SRINAGAR
STATE	JAMMU AND KASHMIR

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	450	450	450	450	500	500	500	500	500	500	500	500
2	Carpenter(First Class)	450	450	450	450	480	480	480	480	480	480	480	480
3	Un-Skilled Labour: Male	300	300	300	300	350	350	350	350	350	350	350	350
4	Un-Skilled Labour: Female	250	250	250	250	300	300	300	300	300	300	300	300

Appendix 36	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	BANGALORE
STATE	KARNATAKA

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	465	465	465	465	465	465	465	465	465	465	465	465
2	Carpenter(First Class)	495	495	495	495	400	450	495	495	495	495	495	495
3	Un-Skilled Labour: Male	280	280	280	280	280	280	280	280	280	280	280	280
4	Un-Skilled Labour: Female	250	250	250	250	250	250	250	250	250	250	250	250

Appendix 37	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	KOTA
STATE	RAJASTHAN

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	350	350	350	350	350	350	350	350	450	450	450	450
2	Carpenter(First Class)	300	300	300	300	300	300	300	300	450	450	450	450
3	Un-Skilled Labour: Male	200	200	200	200	200	200	200	200	250	250	250	250
4	Un-Skilled Labour: Female	150	150	150	150	150	150	150	150	200	200	200	200

Appendix 38	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
CITY	KOLKATA
STATE	WEST BENGAL

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	300	300	300	300	300	300	300	300	350	350	350	350
2	Carpenter(First Class)	350	350	350	350	350	350	350	350	400	400	400	400
3	Un-Skilled Labour: Male	240	240	240	240	240	240	240	240	260	260	260	260
4	Un-Skilled Labour: Female	250	250	250	250	250	250	250	250	250	250	250	250

Appendix 39	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	THRISSUR
STATE	KERALA

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	450	500	500	500	500	500	500	500	500	500	500	500
2	Carpenter(First Class)	450	500	500	500	800	800	800	800	800	800	800	800
3	Un-Skilled Labour: Male	250	250	300	300	550	550	550	550	550	550	550	550
4	Un-Skilled Labour: Female	300	300	300	300	450	450	450	450	450	450	450	450

Appendix 40	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	TRIVENDRUM
STATE	KERALA

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	550	550	550	550	550	550	550	550	550	550	550	550
2	Carpenter(First Class)	600	600	600	600	850	850	850	850	850	850	850	850
3	Un-Skilled Labour: Male	450	475	475	475	650	650	650	650	650	650	650	650
4	Un-Skilled Labour: Female	450	475	475	475	650	650	650	650	650	650	650	650

Appendix 41	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	BHOPAL
STATE	MADHYA PRADESH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	350	350	350	350	350	350	350	350	350	350	350	350
2	Carpenter(First Class)	300	350	350	350	350	350	350	350	350	350	350	350
3	Un-Skilled Labour: Male	250	250	250	250	250	250	250	250	250	250	250	250
4	Un-Skilled Labour: Female	200	250	250	250	250	250	250	250	250	250	250	250

Appendix 42	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	AMRITSAR
STATE	PUNJAB

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	425	425	425	425	450	450	450	450	450	450	450	450
2	Carpenter(First Class)	300	300	300	320	450	450	450	450	450	450	450	450
3	Un-Skilled Labour: Male	200	200	200	200	300	300	300	300	300	300	300	300
4	Un-Skilled Labour: Female	150	160	160	160	250	250	250	250	250	250	250	250

Appendix 43	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	LUDHIANA
STATE	PUNJAB

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	450	450	450	450	500	500	500	500	500	500	500	500
2	Carpenter(First Class)	325	325	325	325	500	500	500	500	500	500	500	500
3	Un-Skilled Labour: Male	200	200	200	200	300	300	300	300	300	300	300	300
4	Un-Skilled Labour: Female	150	150	150	150	250	250	250	250	250	250	250	250

Appendix 44	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	JAIPUR
STATE	RAJASTHAN

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	350	350	350	350	400	400	400	400	500	500	500	500
2	Carpenter(First Class)	350	350	350	350	400	400	400	400	500	500	500	500
3	Un-Skilled Labour: Male	250	250	250	250	280	280	280	280	350	350	350	350
4	Un-Skilled Labour: Female	200	200	200	200	250	250	250	250	350	350	350	350

Appendix 45	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	JODHPUR
STATE	RAJASTHAN

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	500	500	500	500	550	550	550	550	550	550	550	550
2	Carpenter(First Class)	400	400	400	400	450	450	450	450	600	600	600	600
3	Un-Skilled Labour: Male	300	300	300	300	300	300	300	300	400	400	400	400
4	Un-Skilled Labour: Female	250	250	250	250	275	275	275	275	350	350	350	350

Appendix 46	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	AGRA
STATE	UTTAR PRADESH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	300	300	300	300	325	325	325	325	375	375	375	375
2	Carpenter(First Class)	240	240	240	240	325	325	325	325	400	400	400	400
3	Un-Skilled Labour: Male	140	130	140	140	140	140	225	225	225	250	250	250
4	Un-Skilled Labour: Female	130	130	130	130	130	130	130	130	250	250	250	250

Appendix 47	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	ALLAHABAD
STATE	UTTAR PRADESH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	290	290	290	290	325	325	325	325	375	375	375	375
2	Carpenter(First Class)	195	195	195	195	195	195	195	195	350	350	400	400
3	Un-Skilled Labour: Male	120	120	120	120	120	120	120	120	250	250	300	300
4	Un-Skilled Labour: Female	120	120	120	120	120	120	120	120	250	250	300	300

Appendix 48	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	GHAZIABAD
STATE	UTTAR PRADESH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	300	300	300	300	325	325	325	325	375	375	375	375
2	Carpenter(First Class)	200	200	200	200	200	200	230	230	400	400	400	500
3	Un-Skilled Labour: Male	110	110	110	110	110	110	110	110	250	250	250	250
4	Un-Skilled Labour: Female	110	110	110	110	250	250	250	250	250	250	250	250

Appendix 49	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	KANPUR
STATE	UTTAR PRADESH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	250	250	250	250	300	300	300	300	363	363	363	363
2	Carpenter(First Class)	250	250	250	250	290	290	290	290	450	450	450	450
3	Un-Skilled Labour: Male	140	140	140	164	175	175	175	175	250	250	250	250
4	Un-Skilled Labour: Female	140	140	140	164	170	170	170	170	225	225	225	225

Appendix 50	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	LUCKNOW
STATE	UTTAR PRADESH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	400	400	400	400	400	400	400	400	450	450	450	450
2	Carpenter(First Class)	200	200	200	200	240	240	240	240	425	425	425	425
3	Un-Skilled Labour: Male	125	125	125	125	150	150	150	162	250	250	312	312
4	Un-Skilled Labour: Female	125	125	125	125	150	150	150	150	230	230	230	234

Appendix 51	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	MEERUT
STATE	UTTAR PRADESH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	250	250	250	250	275	275	275	275	300	300	300	300
2	Carpenter(First Class)	200	200	200	200	275	275	275	275	375	400	400	400
3	Un-Skilled Labour: Male	135	135	135	135	190	190	190	190	275	300	300	300
4	Un-Skilled Labour: Female	135	135	135	135	160	160	160	160	250	250	250	250

Appendix 52	Wage Rates of Construction Labour in Million Plus Cities during the Quarters ending March, June, September and December in 2011, 2012 and 2013
City	VARANASI
STATE	UTTAR PRADESH

(In Rs. per Day)

S.N.	Category of Labour	2011				2012				2013			
		Quarter Ending				Quarter Ending				Quarter Ending			
		Mar	June	Sept	Dec	Mar	June	Sept	Dec	Mar	June	Sept	Dec
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Mason (First Class)	215	215	215	215	225	225	225	225	225	225	225	325
2	Carpenter(First Class)	160	240	240	240	250	250	250	250	250	350	400	425
3	Un-Skilled Labour: Male	100	120	120	120	125	125	125	125	200	250	250	250
4	Un-Skilled Labour: Female	100	120	120	120	125	125	125	125	200	200	250	250

Data Appendices (53-61)

State-wise/Class-I Cities Average Prices and Price Variations of Building Materials during 2011-2013

Appendix 53	State-wise/Class-I Cities Average Prices and Price Variations of Bricks (First Class) during 2011 to 2013.

(In. Rs. Per 1000 Units)

Name of the State/UTs	Name of the Class-I Cities	Average prices of Bricks (First Class)			Percentage Variance during	
		2011	2012	2013	2012	2013
ANDHRA PRADESH	Cuddapah	3700	3750	3525	1.35	-6.00
	Guntur	4050	4000	4050	-1.23	1.25
	Khammam	3493	3530	3600	1.07	1.98
	Kurnool	3475	4000	4000	15.11	0.00
	Karimnagar	3700	3775	4000	2.03	5.96
	Nizamabad	3675	3800	4000	3.40	5.26
	Vizianagaram	2525	2675	2825	5.94	5.94
	Nellore	3700	3750	3750	1.35	0.00
ASSAM	Dibrugarh	6450	7200	7500	11.63	4.17
	Guwahati	7000	6375	6250	-8.93	-1.96
	Silchar	6425	6500	6575	1.17	1.15
GUJARAT	Bhavnagar	4500	4538	4925	0.83	8.54
HARYANA	Ambala	5050	5200	5200	2.97	0.00
	Fatehabad	4000	4300	4375	7.50	1.74
	Hisar	3800	4000	4000	5.26	0.00
	Karnal	3900	4000	4000	2.56	0.00
	Panipat	3550	3550	3550	0.00	0.00
	Rohtak	3400	3500	3500	2.94	0.00
	Yamunanagar	4500	4800	4800	6.67	0.00
HIMACHAL PRADESH	Dharmsala	6000	7325	7438	22.08	1.54
	Shimla	7763	7600	7600	-2.09	0.00
	Solan	5500	6275	6275	14.09	0.00
JAMMU & KASHMIR	Jammu	3400	3500	3500	2.94	0.00
KARNATAKA	Bangalore	7000	7000	7000	0.00	0.00
	Belgaum	2700	2700	3000	0.00	11.11
	Bellary	6740	6740	8000	0.00	18.69
	Gulbarga	3200	3200	3200	0.00	0.00
	Hassan	7500	8000	8000	6.67	0.00
	Mysore	6500	6650	6700	2.31	0.75
	Shimoga	5600	6000	6000	7.14	0.00

Contd...

Name of the State/UTs	Name of the Class-I Cities	Average prices of Bricks (First Class)			Percentage Variance during	
		2011	2012	2013	2012	2013
KERALA	**Alappuzha**	6500	6600	6600	1.54	0.00
	Kollam	4838	5700	5900	17.83	3.51
	Palakkad	4575	4575	4975	0.00	8.74
	Thrissur	5100	5981	6288	17.28	5.12
	Trivandrum	6013	6825	7449	13.51	9.14
MADHYA PRADESH	**Gwalior**	5000	5500	5500	10.00	0.00
MEGHALAYA	**Shillong**	7500	7650	7000	2.00	-8.50
	Tura	5583	6333	6333	13.43	0.00
MIZORAM	**Aizawl**	9375	9500	10000	1.33	5.26
ODISHA	**Bhubaneswar**	6888	6900	6900	0.18	0.00
	Puri	6500	6625	6650	1.92	0.38
PUNJAB	**Amritsar**	4400	4800	4800	9.09	0.00
	Bathinda	4200	4200	4200	0.00	0.00
	Hoshiarpur	4400	5500	5500	25.00	0.00
	Jalandhar	5000	5300	5300	6.00	0.00
	Ludhiana	4700	5000	5000	6.38	0.00
	Moga	4400	4800	4800	9.09	0.00
	Patiala	5000	5000	5000	0.00	0.00
RAJASTHAN	**Ajmer**	3500	4400	4400	25.71	0.00
	Alwar	3800	4000	4500	5.26	12.50
	Bharatpur	3800	4000	4500	5.26	12.50
	Bhilwara	3500	4000	4750	14.29	18.75
	Bikaner	3500	4000	4100	14.29	2.50
	Ganganagar	2750	2850	3800	3.64	33.33
	Hanumangarh	3200	3600	3900	12.50	8.33
	Pali	3200	3700	4000	15.63	8.11
	Sikar	3500	3500	3500	0.00	0.00
	Tonk	4000	4200	4500	5.00	7.14
	Udaipur	4500	5000	5100	11.11	2.00
UTTAR PRADESH	**Agra**	4075	4175	4725	2.45	13.17
	Aligarh	3250	3800	4600	16.92	21.05
	Allahabad	4250	5575	5575	31.18	0.00
	Bahraich	3800	4750	5475	25.00	15.26
	Bareilly	3450	4050	5325	17.39	31.48
	Bulandshahr	3175	3575	4250	12.60	18.88

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Name of the State/UTs	Name of the Class-I Cities	Average prices of Bricks (First Class)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Etawah	3300	3850	5150	16.67	33.77
	Farrukhabad	3600	4275	5675	18.75	32.75
	Fatehpur	3788	4950	6542	30.69	32.15
	Firozabad	3400	4150	5300	22.06	27.71
	Ghaziabad	3775	4500	5175	19.21	15.00
	Gorakhpur	4275	4825	5700	12.87	18.13
	Hapur	3200	4400	4975	37.50	13.07
	Hardoi	4200	4400	4925	4.76	11.93
	Jaunpur	3650	4775	5000	30.82	4.71
	Jhansi	3500	4000	6000	14.29	50.00
	Kanpur	3750	4400	5775	17.33	31.25
	Lucknow	4500	5525	6900	22.78	24.89
	Mathura	3350	3900	4200	16.42	7.69
	Maunath Bhanjan	3550	4125	4850	16.20	17.58
	Meerut	3725	4100	5125	10.07	25.00
	Mirzapur-cum-Vindhyachal	3575	4575	5150	27.97	12.57
	Moradabad	3225	4475	4500	38.76	0.56
	Muzaffarnagar	3688	3850	4600	4.41	19.48
	Orai	3675	3825	5400	4.08	41.18
	Rae Bareli	3400	4100	6000	20.59	46.34
	Rampur	3175	3675	4375	15.75	19.05
	Saharanpur	3563	3725	4925	4.56	32.21
	Sambhal	3000	3625	4200	20.83	15.86
	Shahjahanpur	3200	4250	5475	32.81	28.82
	Sitapur	4125	5375	6400	30.30	19.07
	Unnao	4250	5450	5500	28.24	0.92
	Varanasi	4625	5600	6900	21.08	23.21
UTTARAKHAND	**Dehradun**	4125	4175	4275	1.21	2.40
	Haridwar	4450	4600	5000	3.37	8.70
	Rudrapur / Udham Singh Nagar	4613	5000	5900	8.40	18.00

Appendix 54	State-wise/Class-I Cities Average Prices and Price Variations of Sand (Coarse) during 2011 to 2013.

(In. Rs. Per Cubic Meter)

Name of the State /UTs	Name of the Class-I Cities	Average prices of Sand (Coarse)			Percentage Variance during	
		2011	2012	2013	2012	2013
ANDHRA PRADESH	Cuddapah	700	702	745	0.29	6.13
	Guntur	663	663	790	0.00	19.25
	Karimnagar	500	574	574	14.80	0.00
	Khammam	708	740	776	4.59	4.86
	Kurnool	700	725	729	3.57	0.55
	Nellore	800	896	896	11.97	0.03
	Nizamabad	750	875	875	16.67	0.00
	Vizianagaram	425	503	600	18.24	19.40
ASSAM	Dibrugarh	715	715	850	0.07	18.88
	Guwahati	825	850	875	3.03	2.94
	Silchar	600	650	650	8.33	0.00
GUJARAT	Bhavnagar	405	475	503	17.28	5.79
HARYANA	Ambala	575	600	600	4.35	0.00
	Fatehabad	330	350	350	6.06	0.00
	Hisar	600	650	650	8.33	0.00
	Karnal	375	400	400	6.67	0.00
	Panipat	380	420	420	10.53	0.00
	Rohtak	463	475	475	2.59	0.00
	Yamunanagar	500	550	550	10.00	0.00
HIMACHAL PRADESH	Dharmsala	790	854	890	8.07	4.25
	Shimla	719	730	753	1.53	3.08
	Solan	5 0	565	575	2.73	1.77
JAMMU & KASHMIR	Jammu	575	650	650	13.04	0.00
KARNATAKA	Belgaum	636	636	636	0.00	0.00
	Bellary	734	734	734	0.00	0.00
	Gulbarga	750	938	938	25.00	0.00
	Hassan	625	750	750	20.00	0.00
	Mysore	800	875	875	9.38	0.00
	Shimoga	700	700	750	0.00	7.14
KERALA	Alappuzha	824	875	925	6.22	5.71

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Name of the State /UTs	Name of the Class-I Cities	Average prices of Sand (Coarse)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Kollam	920	988	1090	7.34	10.38
	Palakkad	800	866	922	8.25	6.47
	Trivandrum	700	750	780	7.14	4.00
MADHYA PRADESH	Gwalior	694	750	750	8.07	0.00
MEGHALAYA	Shillong	750	850	950	13.33	11.76
	Tura	530	615	798	16.03	29.74
MIZORAM	Aizawl	800	900	950	12.50	5.56
ODISHA	Bhubaneswar	650	700	700	7.69	0.00
	Puri	600	600	600	0.00	0.00
PUNJAB	Amritsar	900	900	900	0.00	0.00
	Bathinda	950	989	989	4.11	0.00
	Hoshiarpur	650	800	800	23.08	0.00
	Jalandhar	810	900	900	11.11	0.00
	Ludhiana	650	750	750	15.38	0.00
	Moga	700	750	750	7.14	0.00
	Patiala	706	895	895	26.77	0.00
RAJASTHAN	Ajmer	800	800	800	0.00	0.00
	Alwar	565	600	750	6.19	25.00
	Bharatpur	750	760	760	1.33	0.00
	Bhilwara	350	400	500	14.29	25.00
	Bikaner	300	350	350	16.67	0.00
	Ganganagar	350	400	450	14.29	12.50
	Hanumangarh	450	450	490	0.00	8.89
	Pali	240	275	350	14.58	27.27
	Sikar	430	440	450	2.33	2.27
	Tonk	400	500	550	25.00	10.00
	Udaipur	500	500	650	0.00	30.00
UTTAR PRADESH	Agra	600	720	720	20.00	0.00
	Aligarh	775	970	970	25.16	0.00
	Allahabad	500	600	650	20.00	8.33
	Bahraich	650	750	827	15.38	10.23
	Bareilly	988	988	1038	0.00	5.06
	Bulandshahr	950	955	1125	0.47	17.86
	Etawah	675	738	750	9.26	1.69
	Faizabad	836	850	850	1.74	0.00

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Name of the State /UTs	Name of the Class-I Cities	Average prices of Sand (Coarse)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Farrukhabad	688	821	840	19.45	2.28
	Fatehpur	539	550	600	2.04	9.09
	Firozabad	692	833	940	20.30	12.91
	Ghaziabad	645	893	905	38.40	1.34
	Gorakhpur	728	800	909	9.97	13.59
	Hapur	793	846	871	6.72	2.93
	Hardoi	650	750	871	15.38	16.07
	Jaunpur	725	813	1019	12.07	25.38
	Jhansi	658	717	791	9.05	10.32
	Kanpur	900	937	1032	4.11	10.17
	Mathura	625	723	706	15.60	-2.28
	Maunath Bhanjan	850	864	906	1.65	4.86
	Meerut	962	1050	1100	9.15	4.76
	Mirzapur-cum-Vindhyachal	950	1129	1300	18.82	15.17
	Moradabad	1000	1003	1050	0.30	4.69
	Muzaffarnagar	805	805	1038	0.00	29.02
	Orai	800	820	825	2.50	0.61
	Rae Bareli	550	550	636	0.00	15.68
	Rampur	847	850	820	0.32	-3.53
	Saharanpur	562	600	600	6.76	0.00
	Sambhal	530	566	593	6.84	4.64
	Shahjahanpur	675	775	838	14.81	8.06
	Sitapur	735	740	742	0.68	0.27
	Unnao	700	700	700	0.00	0.00
	Varanasi	850	850	875	0.00	2.94
UTTARAKHAND	Dehradun	775	800	838	3.23	4.69
	Haridwar	756	790	830	4.57	5.06
	Rudrapur / Udham Singh Nagar	550	550	669	0.00	21.59

Appendix 55	State-wise/Class-I Cities Average Prices and Price Variations of Stone Ballast (20 mm gauge) during 2011 to 2013.

(In. Rs. Per Cubic Meter)

Name of the State /UTs	Name of the Class-I Cities	Average prices of Stone Ballast (20 mm gauge)			Percentage Variance during	
		2011	2012	2013	2012	2013
ANDHRA PRADESH	Cuddapah	883	883	883	0.00	0.00
	Guntur	975	1000	1000	2.56	0.00
	Khammam	975	1068	1188	9.49	11.24
	Kurnool	932	1045	1090	12.12	4.31
	Nellore	1200	1200	1236	0.00	3.00
	Nizamabad	1155	1160	1201	0.43	3.53
	Vizianagaram	1270	1300	1325	2.36	1.92
ASSAM	Dibrugarh	1198	1250	1250	4.34	0.00
	Guwahati	1250	1300	1250	4.00	-3.85
	Silchar	1413	1463	1500	3.54	2.56
GUJARAT	Bhavnagar	830	950	993	14.46	4.47
HARYANA	Ambala	1000	1100	1100	10.00	0.00
	Fatehabad	863	863	868	0.00	0.58
	Hisar	931	950	950	2.01	0.00
	Karnal	775	800	850	3.23	6.25
	Panipat	690	700	800	1.45	14.29
	Rohtak	825	800	800	-3.03	0.00
	Yamunanagar	1125	1200	1200	6.67	0.00
HIMACHAL PRADESH	Dharmsala	870	890	898	2.30	0.84
	Shimla	850	888	1075	4.41	21.13
	Solan	700	825	825	17.86	0.00
JAMMU & KASHMIR	Jammu	675	700	900	3.70	28.57
KARNATAKA	Belgaum	710	710	800	0.00	12.68
	Bellary	702	702	750	0.00	6.84
	Gulbarga	550	550	550	0.00	0.00
	Hassan	650	650	700	0.00	7.69
	Mysore	675	675	700	0.00	3.70
	Shimoga	650	650	650	0.00	0.00
KERALA	Alappuzha	600	600	643	0.00	7.08
	Kollam	778	778	967	0.00	24.34

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Name of the State /UTs	Name of the Class-I Cities	Average prices of Stone Ballast (20 mm gauge)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Palakkad	638	718	750	12.54	4.46
	Thrissur	636	650	650	2.16	0.00
	Trivandrum	950	1063	1163	11.84	9.41
MADHYA PRADESH	Gwalior	1294	1300	1300	0.46	0.00
MEGHALAYA	Shillong	1150	1200	1350	4.35	12.50
	Tura	968	1140	1150	17.83	0.88
MIZORAM	Aizawl	1000	1400	1400	40.00	0.00
ODISHA	Puri	780	780	800	0.00	2.56
PUNJAB	Amritsar	580	700	900	20.69	28.57
	Bathinda	530	600	650	13.21	8.33
	Hoshiarpur	605	700	900	15.70	28.57
	Jalandhar	580	700	880	20.69	25.71
	Ludhiana	530	550	650	3.77	18.18
	Moga	530	700	800	32.08	14.29
	Patiala	650	800	900	23.08	12.50
RAJASTHAN	Ajmer	600	700	850	16.67	21.43
	Alwar	705	706	800	0.14	13.31
	Bharatpur	800	820	950	2.50	15.85
	Bhilwara	550	725	850	31.82	17.24
	Bikaner	610	730	770	19.67	5.48
	Ganganagar	980	990	980	1.02	-1.01
	Hanumangarh	875	875	875	0.00	0.00
	Pali	725	770	875	6.21	13.64
	Sikar	630	630	635	0.00	0.79
	Tonk	900	900	900	0.00	0.00
	Udaipur	500	500	550	0.00	10.00
UTTAR PRADESH	Agra	944	1088	1236	15.25	13.58
	Aligarh	690	700	700	1.45	0.00
	Allahabad	838	850	900	1.49	5.88
	Bahraich	733	950	950	29.69	0.00
	Bareilly	1100	1288	1288	17.09	0.00
	Bulandshahr	1088	1100	1150	1.15	4.55
	Etawah	1155	1155	1200	0.00	3.90
	Farrukhabad-cum-Fatehgarh	1412	1412	1483	0.00	5.03

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Name of the State /UTs	Name of the Class-I Cities	Average prices of Stone Ballast (20 mm gauge)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Fatehpur	1170	1236	1316	5.64	6.43
	Firozabad	1128	1129	1230	0.04	8.99
	Ghaziabad	1525	1625	1669	6.54	2.69
	Gorakhpur	1000	1000	1025	0.00	2.50
	Hapur	1200	1274	1375	6.15	7.95
	Hardoi	1000	1000	1138	0.00	13.75
	Jaunpur	1250	1275	1300	2.00	1.96
	Jhansi	925	950	1029	2.70	8.29
	Kanpur	1000	1194	1316	19.43	10.15
	Mathura	848	1050	1112	23.92	5.90
	Maunath Bhanjan	925	1050	1100	13.51	4.76
	Meerut	1434	1546	1654	7.79	7.04
	Mirzapur-cum-Vindhyachal	1150	1150	1200	0.00	4.35
	Moradabad	1360	1576	1730	15.88	9.77
	Muzaffarnagar	1385	1385	1385	0.00	0.00
	Orai	1011	1011	1301	0.00	28.75
	Rae Bareli	1098	1292	1217	17.68	-5.81
	Rampur	1100	1100	1113	0.00	1.14
	Saharanpur	1053	1053	1060	0.00	0.71
	Sambhal	1300	1300	1350	0.00	3.85
	Shahjahanpur	1150	1150	1150	0.00	0.00
	Sitapur	1209	1412	1463	16.77	3.58
	Unnao	1000	1025	1200	2.50	17.07
	Varanasi	1205	1205	1413	0.00	17.22
UTTARAKHAND	Dehradun	900	1000	1000	11.11	0.00
	Haridwar	785	785	938	0.00	19.53
	Rudrapur / Udham Singh Nagar	633	650	675	2.77	3.85

Appendix 56	State-wise/Class-I Cities Average Prices and Price Variations of C.P. Teak during 2011 to 2013.

(In. Rs. Per Cubic Meter)

Name of the State /UTs	Name of the Class-I Cities	Average prices of C.P.Teak			Percentage Variance during	
		2011	2012	2013	2012	2013
ANDHRA PRADESH	Cuddapah	78000	79616	86521	2.07	8.67
	Guntur	75500	78500	86763	3.97	10.53
	Khammam	85991	88817	92370	3.29	4.00
	Karimnagar	88000	88300	88300	0.34	0.00
	Kurnool	77500	80000	81500	3.23	1.88
	Nizamabad	52905	59450	58900	12.37	-0.93
	Nellore	78000	79984	92688	2.54	15.88
	Vizianagaram	58750	61125	63800	4.04	4.38
ASSAM	Guwahati	58034	61607	57140	6.16	-7.25
	Silchar	53571	54500	54500	1.73	0.00
GUJARAT	Bhavnagar	55500	62075	62825	11.85	1.21
HARYANA	Ambala	48000	49000	49000	2.08	0.00
	Fatehabad	48000	50000	54000	4.17	8.00
	Hisar	48000	49000	49000	2.08	0.00
	Karnal	65750	66000	66000	0.38	0.00
	Panipat	66500	66400	66500	-0.15	0.15
	Rohtak	48000	48000	49000	0.00	2.08
	Yamunanagar	63000	64000	64000	1.59	0.00
HIMACHAL PRADESH	Dharmsala	55000	56630	57000	2.96	0.65
	Shimla	85000	79000	77000	-7.06	-2.53
	Solan	57386	56118	54325	-2.21	-3.20
KARNATAKA	Bellary	51345	55000	55000	7.12	0.00
	Gulbarga	85000	89000	89000	4.71	0.00
	Hassan	65000	67000	67000	3.08	0.00
	Mysore	75000	80000	80000	6.67	0.00
	Shimoga	50000	50000	50000	0.00	0.00
KERALA	Alappuzha	63300	77218	88496	21.99	14.61
	Kollam	83144	85296	87392	2.59	2.46
	Palakkad	123950	137067	123600	10.58	-9.82
	Thrissur	139490	144698	158000	3.73	9.19

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Name of the State /UTs	Name of the Class-I Cities	Average prices of C.P.Teak			Percentage Variance during	
		2011	2012	2013	2012	2013
	Trivandrum	145000	172475	174495	18.95	1.17
MADHYA PRADESH	Gwalior	88000	88000	88000	0.00	0.00
MEGHALAYA	Shillong	34000	35000	35000	2.94	0.00
	Tura	30977	35710	35710	15.28	0.00
MIZORAM	Aizawl	21850	23850	28000	9.15	17.40
ODISHA	Bhubaneswar	45345	45500	45600	0.34	0.22
	Puri	35000	35000	42000	0.00	20.00
PUNJAB	Amritsar	48600	50000	50000	2.88	0.00
	Bathinda	46000	50000	50000	8.70	0.00
	Hoshiarpur	48000	50000	50000	4.17	0.00
	Jalandhar	48500	50000	50000	3.09	0.00
	Ludhiana	47000	50000	50000	6.38	0.00
	Moga	47000	47700	47700	1.49	0.00
	Patiala	47000	50000	50000	6.38	0.00
RAJASTHAN	Ajmer	73000	75000	75500	2.74	0.67
	Alwar	48000	48000	49000	0.00	2.08
	Bhilwara	35000	38000	38000	8.57	0.00
	Ganganagar	75000	80000	80000	6.67	0.00
	Sikar	46000	46000	46000	0.00	0.00
	Udaipur	27000	28500	28500	5.56	0.00
UTTAR PRADESH	Agra	63675	72463	87407	13.80	20.62
	Aligarh	51018	57529	68864	12.76	19.70
	Allahabad	65000	65000	65000	0.00	0.00
	Bahraich	56446	65333	70495	15.74	7.90
	Bareilly	84103	88288	88288	4.98	0.00
	Bulandshahr	58921	58703	61000	-0.37	3.91
	Etawah	38125	38500	38950	0.98	1.17
	Fatehpur	71140	70620	70620	-0.73	0.00
	Firozabad	64827	65268	66271	0.68	1.54
	Ghaziabad	105930	105930	115640	0.00	9.17
	Gorakhpur	77957	85704	85704	9.94	0.00
	Hapur	52935	52965	61800	0.06	16.68
	Hardoi	49000	50000	55341	2.04	10.68
	Jhansi	75575	85075	86250	12.57	1.38
	Kanpur	88250	88250	88250	0.00	0.00

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Name of the State /UTs	Name of the Class-I Cities	Average prices of C.P.Teak			Percentage Variance during	
		2011	2012	2013	2012	2013
	Mathura	45903	48110	51200	4.81	6.42
	Maunath Bhanjan	71463	83791	93184	17.25	11.21
	Meerut	71000	72000	75500	1.41	4.86
	Mirzapur-cum-Vindhyachal	87125	87000	88500	-0.14	1.72
	Moradabad	51206	51206	51550	0.00	0.67
	Muzaffarnagar	61500	64250	69000	4.47	7.39
	Rampur	56504	61801	70409	9.37	13.93
	Saharanpur	60000	60000	60000	0.00	0.00
	Sambhal	38846	44247	49856	13.90	12.68
	Shahjahanpur	63000	63000	64500	0.00	2.38
	Sitapur	62323	74723	77535	19.90	3.76
	Unnao	55916	64392	70000	15.16	8.71
	Varanasi	87018	87018	87018	0.00	0.00
UTTARAKHAND	**Dehradun**	96500	95000	92750	-1.55	-2.37
	Haridwar	55016	55016	55016	0.00	0.00
	Rudrapur / Udham Singh Nagar	51250	51250	51250	0.00	0.00

Appendix 57	State-wise/Class-I Cities Average Prices and Price Variations of Sal Wood during 2011 to 2013.

(In. Rs. Per Cubic Meter)

Name of the State /UTs	Name of the Class-I Cities	Average prices of Sal Wood			Percentage Variance during	
		2011	2012	2013	2012	2013
ANDHRA PRADESH	Guntur	34850	43625	42820	25.18	-1.85
	Kurnool	20000	21000	22500	5.00	7.14
	Nellore	48536	48536	44427	0.00	-8.47
	Nizamabad	36450	37000	37000	1.51	0.00
ASSAM	Dibrugarh	42690	43787	43787	2.57	0.00
	Guwahati	47141	52864	58512	12.14	10.68
GUJARAT	Bhavnagar	37000	37000	37000	0.00	0.00
HARYANA	Ambala	30500	31000	31000	1.64	0.00
	Fatehabad	48000	54000	54000	12.50	0.00
	Hisar	52900	53000	53000	0.19	0.00
	Karnal	36000	37000	37000	2.78	0.00
	Panipat	30500	31000	32000	1.64	3.23
	Rohtak	56000	56000	56000	0.00	0.00
	Yamunanagar	60000	61000	61000	1.67	0.00
HIMACHAL PRADESH	Dharmsala	28000	28415	28415	1.48	0.00
	Shimla	34000	33250	33250	-2.21	0.00
	Solan	29750	29688	29750	-0.21	0.21
JAMMU & KASHMIR	Jammu	45000	45000	45000	0.00	0.00
KARNATAKA	Belgaum	26400	26400	32500	0.00	23.11
	Bellary	37500	37500	37500	0.00	0.00
	Hassan	30000	32500	34500	8.33	6.15
	Mysore	30000	30000	30000	0.00	0.00
	Shimoga	38000	38000	38000	0.00	0.00
KERALA	Kollam	67089	68000	68000	1.36	0.00
MADHYA PRADESH	Gwalior	33100	33200	33200	0.30	0.00
MEGHALAYA	Shillong	38500	40244	42000	4.53	4.36
	Tura	28568	33925	40977	18.75	20.79

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Name of the State /UTs	Name of the Class-I Cities	Average prices of Sal Wood			Percentage Variance during	
		2011	2012	2013	2012	2013
ODISHA	**Bhubaneswar**	51912	52000	52000	0.17	0.00
	Puri	28000	35000	35000	25.00	0.00
PUNJAB	**Amritsar**	42000	42000	42000	0.00	0.00
	Bathinda	41000	50000	53000	21.95	6.00
	Hoshiarpur	46500	50000	59000	7.53	18.00
	Jalandhar	47225	48650	48650	3.02	0.00
	Ludhiana	43000	42740	42740	-0.60	0.00
	Moga	43000	44000	44000	2.33	0.00
	Patiala	44750	53680	53680	19.96	0.00
RAJASTHAN	**Ajmer**	31400	33000	37800	5.10	14.55
	Alwar	26000	26500	27500	1.92	3.77
	Bharatpur	41800	42250	50000	1.08	18.34
	Bhilwara	21000	23000	24500	9.52	6.52
	Bikaner	24800	24800	28500	0.00	14.92
	Ganganagar	27500	27500	29000	0.00	5.45
	Pali	44000	44000	50000	0.00	13.64
	Sikar	29000	29000	36000	0.00	24.14
	Udaipur	20000	21000	20500	5.00	-2.38
UTTAR PRADESH	**Agra**	37934	40921	46726	7.87	14.19
	Aligarh	52973	58273	57387	10.01	-1.52
	Bahraich	44978	52090	56504	15.81	8.47
	Bareilly	60000	62675	63567	4.46	1.42
	Bulandshahr	50563	50413	50400	-0.30	-0.02
	Fatehpur	40906	40767	40767	-0.34	0.00
	Firozabad	35715	38800	38800	8.64	0.00
	Ghaziabad	59144	64220	69207	8.58	7.77
	Hapur	61792	64661	69207	4.64	7.03
	Hardoi	33230	34430	43265	3.61	25.66
	Jaunpur	38000	45725	57750	20.33	26.30
	Jhansi	40525	45450	59225	12.15	30.31

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Name of the State /UTs	Name of the Class-I Cities	Average prices of Sal Wood			Percentage Variance during	
		2011	2012	2013	2012	2013
	Kanpur	48500	57189	69725	17.91	21.92
	Mathura	30455	31779	33104	4.35	4.17
	Meerut	52250	55500	57750	6.22	4.05
	Mirzapur-cum-Vindhyachal	53000	53000	54500	0.00	2.83
	Moradabad	43554	47149	48175	8.25	2.18
	Muzaffarnagar	50000	50750	53750	1.50	5.91
	Orai	55000	56000	56000	1.82	0.00
	Rampur	41053	53414	61359	30.11	14.88
	Saharanpur	55000	55000	55000	0.00	0.00
	Sambhal	28605	35226	35226	23.15	0.00
	Shahjahanpur	42000	48000	51625	14.29	7.55
	Sitapur	44148	48000	48250	8.73	0.52
	Unnao	28256	28560	29000	1.08	1.54
	Varanasi	57714	61799	63313	7.08	2.45
UTTARAKHAND	**Dehradun**	53500	51750	51750	-3.27	0.00
	Haridwar	58907	63292	66300	7.44	4.75
	Rudrapur / Udham Singh Nagar	47000	48000	48000	2.13	0.00

Appendix 58	State-wise/Class-I Cities Average Prices and Price Variations of Cement (High Strength) during 2011 to 2013.

(In. Rs. Per Metric Ton)

Name of the State /UTs	Name of the Class-I Cities	Average prices of Cement (High Strength)			Percentage Variance during	
		2011	2012	2013	2012	2013
ANDHRA PRADESH	Cuddapah	5000	5300	5700	6.00	7.55
	Guntur	5625	5725	5875	1.78	2.62
	Karimnagar	4400	4700	5750	6.82	22.34
	Khammam	5350	4875	5175	-8.88	6.15
	Kurnool	5700	5800	5900	1.75	1.72
	Nizamabad	5500	5550	5975	0.91	7.66
	Nellore	5000	5775	5750	15.50	-0.43
	Vizianagaram	5875	5900	6250	0.43	5.93
ASSAM	Dibrugarh	7475	7600	7700	1.67	1.32
	Guwahati	6900	6950	6900	0.72	-0.72
GUJARAT	Bhavnagar	5925	6475	6913	9.28	6.76
HARYANA	Ambala	5550	5700	5700	2.70	0.00
	Fatehabad	5150	5150	5350	0.00	3.88
	Hisar	5313	5500	5500	3.53	0.00
	Karnal	5430	5500	5500	1.29	0.00
	Panipat	5413	5800	5800	7.16	0.00
	Rohtak	5600	5500	5500	-1.79	0.00
	Yamunanagar	5400	5500	5500	1.85	0.00
HIMACHAL PRADESH	Dharmsala	6400	6778	6410	5.90	-5.42
	Shimla	6450	6300	6650	-2.33	5.56
	Solan	6260	6550	7000	4.63	6.87
KARNATAKA	Bangalore	6100	6100	6200	0.00	1.64
	Belgaum	5600	5700	5700	1.79	0.00
	Bellary	5365	5600	6500	4.39	16.07
	Gulbarga	7000	7000	7000	0.00	0.00
	Hassan	6200	6800	6800	9.68	0.00
	Mysore	7000	7500	7500	7.14	0.00
	Shimoga	6100	7000	7000	14.75	0.00
KERALA	Alappuzha	6763	6763	7160	0.00	5.88
	Kollam	6700	6700	7265	0.00	8.43

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Name of the State /UTs	Name of the Class-I Cities	Average prices of Cement (High Strength)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Palakkad	6875	7400	7470	7.64	0.95
	Thrissur	6675	7169	6800	7.40	-5.14
	Trivandrum	6413	7000	7775	9.16	11.07
MADHYA PRADESH	Gwalior	8000	8500	8500	6.25	0.00
MEGHALAYA	Shillong	6000	6200	6175	3.33	-0.40
	Tura	7000	7800	7900	11.43	1.28
MIZORAM	Aizawl	8325	8525	8550	2.40	0.29
ODISHA	Bhubaneswar	5950	6000	6000	0.84	0.00
	Puri	6700	7050	7050	5.22	0.00
PUNJAB	Amritsar	5500	5550	6200	0.91	11.71
	Bathinda	5100	5900	5900	15.69	0.00
	Hoshiarpur	5000	6000	6000	20.00	0.00
	Moga	5600	6100	6100	8.93	0.00
	Patiala	5200	6200	6200	19.23	0.00
RAJASTHAN	Ajmer	4900	5400	5450	10.20	0.93
	Alwar	5800	6400	6400	10.34	0.00
	Bharatpur	5400	5400	6400	0.00	18.52
	Bhilwara	4800	5300	6000	10.42	13.21
	Bikaner	5400	5500	5700	1.85	3.64
	Ganganagar	5250	5360	6000	2.10	11.94
	Hanumangarh	5600	6000	6050	7.14	0.83
	Pali	4700	5680	6200	20.85	9.15
	Sikar	5400	5800	6300	7.41	8.62
	Tonk	5400	5400	6200	0.00	14.81
	Udaipur	5400	5600	5900	3.70	5.36
UTTAR PRADESH	Agra	5325	5350	5500	0.47	2.80
	Aligarh	5050	5500	5825	8.91	5.91
	Bahraich	6000	6500	6800	8.33	4.62
	Bareilly	5750	6175	6400	7.39	3.64
	Bulandshahr	4805	4820	4870	0.31	1.04
	Etawah	5250	5650	5650	7.62	0.00
	Farrukhabad-cum-Fatehgarh	5000	5250	5450	5.00	3.81
	Fatehpur	5400	6300	6300	16.67	0.00

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Name of the State /UTs	Name of the Class-I Cities	Average prices of Cement (High Strength)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Firozabad	5100	5450	5550	6.86	1.83
	Ghaziabad	5490	5650	5950	2.91	5.31
	Gorakhpur	6150	6775	6800	10.16	0.37
	Hapur	5450	5750	5960	5.50	3.65
	Hardoi	5550	5900	6025	6.31	2.12
	Jaunpur	5300	5600	6000	5.66	7.14
	Jhansi	5175	5500	5800	6.28	5.45
	Kanpur	5550	5653	6175	1.85	9.24
	Lucknow	5500	5650	5750	2.73	1.77
	Mathura	5300	5500	5800	3.77	5.45
	Maunath Bhanjan	5725	6425	6600	12.23	2.72
	Meerut	6025	6025	6225	0.00	3.32
	Mirzapur-cum-Vindhyachal	5750	6100	6600	6.09	8.20
	Moradabad	5575	6000	6650	7.62	10.83
	Muzaffarnagar	5600	5950	5975	6.25	0.42
	Orai	5225	5225	5300	0.00	1.44
	Rae Bareli	4775	5125	5500	7.33	7.32
	Rampur	5250	5650	6125	7.62	8.41
	Saharanpur	4600	4573	4600	-0.60	0.60
	Sambhal	6200	6503	6503	4.89	0.00
	Shahjahanpur	8096	8274	8375	2.20	1.22
	Sitapur	5450	5500	6100	0.92	10.91
	Unnao	4810	6000	6000	24.74	0.00
	Varanasi	5600	5700	5700	1.79	0.00
UTTARAKHAND	Dehradun	5200	6000	6150	15.38	2.50
	Haridwar	5850	6200	6425	5.98	3.63
	Rudrapur / Udham Singh Nagar	5700	5700	5838	0.00	2.41

Appendix 59 | **State-wise/Class-I Cities Average Prices and Price Variations of S.W. Pipes (100 mm Diameter) during 2011 to 2013.**

(In. Rs. Per Two Feet Long Each)

Name of the State /UTs	Name of the Class-I Cities	Average prices of S.W. Pipes (100 mm Diameter)			Percentage Variance during	
		2011	2012	2013	2012	2013
ANDHRA PRADESH	Cuddapah	45	50	65	11.11	30.00
	Guntur	45	50	60	11.11	20.00
	Karimnagar	50	54	65	8.00	20.37
	Khammam	56	65	65	15.56	0.00
	Kurnool	51	60	60	17.07	0.00
	Nellore	50	60	73	20.00	20.83
	Nizamabad	40	40	40	0.00	0.00
	Vizianagaram	70	70	90	0.00	28.57
ASSAM	Dibrugarh	52	60	65	16.50	8.33
	Guwahati	55	60	65	9.09	8.33
	Silchar	35	45	50	28.57	11.11
GUJARAT	Ahmedabad	69	81	88	18.18	7.69
	Bhavnagar	68	78	85	14.71	8.97
	Rajkot	61	75	84	22.45	12.33
	Surat	60	60	60	0.00	0.00
	Vadodara	55	56	61	1.36	8.97
HARYANA	Ambala	70	75	80	7.14	6.67
	Fatehabad	50	55	65	10.00	18.18
	Panipat	58	60	65	4.35	8.33
	Hisar	45	50	55	12.36	10.00
	Karnal	52	55	60	6.80	9.09
	Rohtak	58	70	75	20.69	7.14
HIMACHAL PRADESH	Dharmsala	58	67	75	15.95	11.52
	Shimla	60	65	70	8.33	7.69
	Solan	45	55	60	22.22	9.09
JAMMU & KASHMIR	Jammu	85	85	85	0.00	0.00
KARNATAKA	Bangalore	55	55	55	0.00	0.00
	Belgaum	75	75	75	0.00	0.00
	Bellary	65	75	85	15.38	13.33
	Gulbarga	55	55	55	0.00	0.00

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Name of the State /UTs	Name of the Class-I Cities	Average prices of S.W. Pipes (100 mm Diameter)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Hassan	80	80	80	0.00	0.00
	Mysore	68	70	70	2.94	0.00
	Shimoga	90	90	90	0.00	0.00
MADHYA PRADESH	Gwalior	62	62	74	0.00	18.95
MEGHALAYA	Shillong	45	55	65	22.22	18.18
	Tura	50	52	53	3.00	2.91
MIZORAM	Aizawl	60	60	60	0.00	0.00
ODISHA	Bhubaneswar	73	75	80	3.45	6.67
	Puri	40	50	60	25.00	20.00
RAJASTHAN	Ajmer	45	50	50	11.11	0.00
	Alwar	60	60	60	0.00	0.00
	Barmer	60	65	70	8.33	7.69
	Bhilwara	60	70	70	16.67	0.00
	Bikaner	60	65	65	8.33	0.00
	Ganganagar	60	65	65	8.33	0.00
	Jaipur	70	80	80	14.29	0.00
	Hanumangarh	78	80	80	2.56	0.00
	Pali	50	50	50	0.00	0.00
	Tonk	45	50	60	11.11	20.00
	Udaipur	75	78	78	4.00	0.00
PUNJAB	Amritsar	45	50	50	11.11	0.00
	Bathinda	55	65	75	18.18	15.38
	Hoshiarpur	50	63	63	25.00	0.00
	Jalandhar	50	60	60	20.00	0.00
	Ludhiana	50	60	60	20.00	0.00
	Moga	60	68	68	12.50	0.00
	Patiala	45	50	50	11.11	0.00
UTTAR PRADESH	Agra	63	63	63	0.00	0.00
	Aligarh	75	80	85	6.67	6.25
	Allahabad	76	80	85	5.26	6.25

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Name of the State /UTs	Name of the Class-I Cities	Average prices of S.W. Pipes (100 mm Diameter)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Bahraich	59	65	65	10.64	0.00
	Bareilly	75	75	75	0.00	0.00
	Farrukhabad-cum-Fatehgarh	50	50	50	0.00	0.00
	Fatehpur	46	48	54	3.78	11.98
	Firozabad	40	40	44	0.00	9.38
	Ghaziabad	50	55	58	10.00	4.55
	Hapur	55	65	70	18.18	7.69
	Hardoi	50	55	65	10.00	18.18
	Jhansi	65	65	70	0.00	7.69
	Kanpur	60	65	65	8.33	0.00
	Lucknow	50	50	50	0.00	0.00
	Mathura	55	60	65	9.09	8.33
	Maunath Bhanjan	64	65	65	1.17	0.00
	Meerut	64	73	80	13.73	10.34
	Mirzapur-cum-Vindhyachal	58	65	75	12.07	15.38
	Muzaffarnagar	50	50	55	0.00	10.00
	Orai	66	71	78	7.55	9.47
	Rae Bareli	50	50	50	0.00	0.00
	Rampur	65	70	75	7.69	7.14
	Shahjahanpur	75	75	75	0.00	0.00
	Sitapur	65	70	80	7.69	14.29
	Unnao	50	50	50	0.00	0.00
	Varanasi	64	65	76	1.96	17.31
UTTARAKHAND	Dehradun	65	75	83	15.38	10.67
	Haridwar	55	65	75	18.18	15.38
	Rudrapur / Udham Singh Nagar	69	75	86	1.82	23.21

Appendix 60	State-wise/Class-I Cities Average Prices and Price Variations of Tiles (Glazed) during 2011 to 2013.

Name of the State /UTs	Name of the Class-I Cities	Average prices of Tiles (Glazed)			Percentage Variance during	
		2011	2012	2013	2012	2013
ANDHRA PRADESH	Cuddapah					
	Guntur					
	Karimnagar					
	Khammam					
	Kurnool					
	Nellore					
	Nizamabad					
ASSAM	Dibrugarh					
	Guwahati					
	Silchar					
GUJARAT	Ahmedabad					
	Bhavnagar					
	Rajkot					
	Surat					
	Vadodara					
HARYANA	Fatehabad					
	Rohtak					
	Hisar					
	Karnal					
	Panipat					
	Yamunanagar					
HIMACHAL PRADESH	Dharmsala					
	Shimla					
	Solan					
KARNATAKA	Bangalore					
	Bellary					
	Gulbarga					
	Hassan					

Name of the State /UTs	Name of the Class-I Cities	Average prices of Tiles (Glazed)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Mysore	28600	29000	29000	1.40	0.00
	Shimoga	22000	22000	22000	0.00	0.00
MADHYA PRADESH	Gwalior	30000	32000	32000	6.67	0.00
MEGHALAYA	Shillong	23750	23750	28000	0.00	17.89
	Tura	23750	23750	23750	0.00	0.00
MIZORAM	Aizawl	46250	50000	50000	8.11	0.00
ODISHA	Bhubaneswar	36750	37000	37000	0.68	0.00
PUNJAB	Amritsar	14400	14400	14400	0.00	0.00
	Bathinda	14800	14800	14800	0.00	0.00
	Hoshiarpur	14800	14800	14800	0.00	0.00
	Jalandhar	14800	14800	14800	0.00	0.00
	Ludhiana	19800	19800	19800	0.00	0.00
	Moga	14800	14800	14800	0.00	0.00
	Patiala	14800	14800	14800	0.00	0.00
RAJASTHAN	Alwar	16000	16000	16800	0.00	5.00
	Bharatpur	17000	17500	17500	2.94	0.00
	Bhilwara	12000	13000	14500	8.33	11.54
	Bikaner	10000	10000	11000	0.0	10.0
	Ganganagar	10900	11250	14400	3.2	28.0
	Hanumangarh	12000	12000	12200	0.00	1.67
	Jaipur	15840	16000	16300	1.01	1.88
	Pali	15500	15500	15800	0.00	1.94
	Tonk	19000	19000	19600	0.00	3.16
	Udaipur	10300	10500	11000	1.94	4.76
KERALA	Alappuzha	43000	43000	45210	0.00	5.14
	Kollam	55000	57550	57550	4.64	0.00
	Thrissur	40000	42000	42000	5.00	0.00
	Palakkad	50000	54750	55000	9.50	0.46
	Trivandrum	55000	57500	60000	4.55	4.35
UTTAR PRADESH	Aligarh	13625	15000	17000	10.09	13.33
	Allahabad	14000	14500	15333	3.57	5.74

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Name of the State /UTs	Name of the Class-I Cities	Average prices of Tiles (Glazed)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Bahraich	14000	15000	15500	7.14	3.33
	Bareilly	14000	14175	14500	1.25	2.29
	Fatehpur	16000	16000	16000	0	0
	Firozabad	10700	10700	11100	0.00	3.74
	Ghaziabad	10750	11750	12150	9.30	3.40
	Hapur	11000	12125	12150	10.23	0.21
	Hardoi	19600	19600	19600	0.00	0.00
	Kanpur	13585	14550	14550	7.10	0.00
	Jhansi	12000	12750	13750	6.25	7.84
	Lucknow	19000	19000	19000	0.00	0.00
	Maunath Bhanjan	16678	17235	17731	3.34	2.88
	Meerut	17500	17500	17500	0.00	0.00
	Mirzapur-cum-Vindhyachal	12250	12300	12975	0.41	5.49
	Moradabad	16000	16000	16500	0.00	3.13
	Muzaffarnagar	10600	10600	11350	0.00	7.08
	Orai	15200	16750	17225	10.20	2.84
	Rae Bareli	16000	16500	16500	3.13	0.00
	Rampur	11250	12750	13000	13.33	1.96
	Saharanpur	12000	12000	13000	0.00	8.33
	Shahjahanpur	17000	17750	18375	4.41	3.52
	Unnao	18000	19000	19000	5.56	0.00
UTTARAKHAND	**Dehradun**	12000	12000	12000	0.00	0.00
	Haridwar	10333	11500	12000	11.29	4.35

Appendix 61	State-wise/Class-I Cities Average Prices and Price Variations of Stone Slab (100 sq.mt) during 2011 to 2013.

(In Rs. Per 100 sq.mt)

Name of the State /UTs	Name of the Class-I Cities	Average prices of Stone Slab (100 sq.mt)			Percentage Variance during	
		2011	2012	2013	2012	2013
ANDHRA PRADESH	Cuddapah	19375	19375	19375	0.00	0.00
	Guntur	26750	26750	27275	0.00	1.96
	Khammam	17895	17895	17895	0.00	0.00
	Kurnool	18287	18918	18918	3.45	0.00
	Nizamabad	14953	14953	14953	0.00	0.00
	Vizianagaram	17800	19900	19900	11.80	0.00
	Karimnagar	18000	18000	18000	0.00	0.00
	Nellore	24000	24000	24000	0.00	0.00
ASSAM	Guwahati	41820	41820	41820	0.00	0.00
	Dibrugarh	48420	48500	48500	0.17	0.00
GUJARAT	Bhavnagar	26500	26775	27325	1.04	2.05
HARYANA	Ambala	40000	40000	40000	0.00	0.00
	Fatehabad	41000	42875	43150	4.57	0.64
	Hisar	27000	27500	27500	1.85	0.00
	Karnal	55000	56000	56000	1.82	0.00
	Panipat	55250	56000	56000	1.36	0.00
	Rohtak	38000	41000	41000	7.89	0.00
HIMACHAL PRADESH	Dharmsala	45000	46500	49700	3.33	6.88
	Shimla	37800	37800	37800	0.00	0.00
	Solan	42000	42000	42475	0.00	1.13
JAMMU & KASHMIR	Jammu	10600	10600	10600	0.00	0.00
KARNATAKA	Belgaum	21000	21000	21000	0.00	0.00
	Bellary	26093	26093	26093	0.00	0.00
	Gulbarga	45000	45000	45000	0.00	0.00
	Hassan	65000	65000	65000	0.00	0.00
	Mysore	40000	40000	40000	0.00	0.00

Contd...

Name of the State /UTs	Name of the Class-I Cities	Average prices of Stone Slab (100 sq.mt)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Shimoga	30000	30000	30000	0.00	0.00
KERALA	Alappuzha	23780	23780	23780	0.00	0.00
	Kollam	38744	38744	40550	0.00	4.66
	Palakkad	32000	32500	33000	1.56	1.54
	Thrissur	45000	45500	45500	1.11	0.00
	Trivandrum	52775	62275	62841	18.00	0.91
MADHYA PRADESH	Gwalior	35320	35400	35400	0.23	0.00
MEGHALAYA	Shillong	35200	35320	35500	0.34	0.51
	Tura	35200	35320	35500	0.34	0.51
MIZORAM	Aizawl	33820	33820	33820	0.00	0.00
ODISHA	Bhubaneswar	58979	58979	58979	0.00	0.00
	Puri	45000	45000	45000	0.00	0.00
RAJASTHAN	Ajmer	19000	19000	19000	0.00	0.00
	Alwar	26000	26000	27000	0.00	3.85
	Bharatpur	16900	16900	18500	0.00	9.47
	Bhilwara	38000	39000	39800	2.63	2.05
	Bikaner	29000	29200	29900	0.69	2.40
	Ganganagar	35250	35500	39500	0.71	11.27
	Hanumangarh	29000	32000	32000	10.34	0.00
	Pali	17500	17500	17500	0.00	0.00
	Sikar	24000	24000	26000	0.00	8.33
	Tonk	26000	26000	27000	0.00	3.85
	Udaipur	13600	13700	14300	0.74	4.38
UTTAR PRADESH	Agra	13774	14721	14721	6.88	0.00
	Aligarh	39625	39625	39625	0.00	0.00
	Bahraich	16500	18500	18500	12.12	0.00
	Bulandshahr	15075	15400	15800	2.16	2.60
	Etawah	40500	42500	43375	4.94	2.06
	Farrukhabad-cum-Fatehgarh	37660	38133	38133	1.26	0.00

Contd...

Name of the State /UTs	Name of the Class-I Cities	Average prices of Stone Slab (100 sq.mt)			Percentage Variance during	
		2011	2012	2013	2012	2013
	Fatehpur	37660	37660	38000	0.00	0.90
	Firozabad	18200	18200	19163	0.00	5.29
	Gorakhpur	55750	55750	64560	0.00	15.80
	Hardoi	53673	53673	53673	0.00	0.00
	Jhansi	16750	16750	16750	0.00	0.00
	Kanpur	45000	48325	49300	7.39	2.02
	Lucknow	23000	23000	25000	0.00	8.70
	Mathura	14795	15064	15064	1.82	0.00
	Maunath Bhanjan	38000	38000	39000	0.00	2.63
	Mirzapur-cum-Vindhyachal	19000	19000	19000	0.00	0.00
	Moradabad	22000	22000	22000	0.00	0.00
	Muzaffarnagar	21250	22000	22000	3.53	0.00
	Orai	25500	25500	26000	0.00	1.96
	Rae Bareli	18500	18500	18500	0.00	0.00
	Rampur	17760	20990	22066	18.19	5.13
	Saharanpur	35000	35000	35500	0.00	1.43
	Sambhal	30800	30800	30800	0.00	0.00
	Shahjahanpur	38000	41625	42500	9.54	2.10
	Varanasi	22000	22500	23750	2.27	5.56
UTTARAKHAND	Dehradun	29000	30250	31400	4.31	3.80
	Haridwar	29646	29646	29646	0.00	0.00

Data Appendices (62-70)

State-wise/Class-I Cities Average Prices and Price Variations of Building Materials in Different Zones

Appendix 62	Average prices and price variations of Bricks (First Class) in different zones in India

Name of the Item: Bricks (First Class)

(In. Rs. Per 1000 Units)

Zone 1	**North Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
JAMMU & KASHMIR	3400	3500	3500	2.94	0
PUNJAB	4586	4943	4943	7.94	0
HARYANA	4088	4236	4294	3.59	1.29
UTTARAKHAND	4396	4592	5058	4.33	9.7
HIMACHAL PRADESH	6421	7067	7104	11.36	0.51
Average North Zone	**4578**	**4867**	**4980**	**6.32**	**2.31**
Zone 2	**Central Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
UTTAR PRADESH	3669	4383	5293	19.56	21.36
MADHYA PRADESH	5000	5500	5500	10.00	0.00
Average Central Zone	**4334**	**4941**	**5396**	**14.00**	**9.21**
Zone 3	**South Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ANDHRA PRADESH	3540	3660	3719	3.63	1.80
KARNATAKA	5606	5756	5986	2.30	4.37
KERALA	5405	5936	6242	10.03	5.30
Average South Zone	**4850**	**5117**	**5316**	**5.51**	**3.87**
Zone 4	**East Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ASSAM	6625	6692	6775	1.29	1.12
MEGHALAYA	6542	6992	6667	7.72	-4.25
MIZORAM	9375	9500	10000	1.33	5.26
ODISHA	6694	6763	6775	1.05	0.19
Average East Zone	**7309**	**7486**	**7554**	**2.43**	**0.9**
Zone 5	**West Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
GUJARAT	4500	4538	4925	0.83	8.54
RAJASTHAN	3568	3932	4277	10.24	9.56
Average -West Zone	**4034**	**4235**	**4601**	**4.97**	**8.65**

Appendix 63	Average prices and price variations of Sand (Coarse)in different zones in India

Name of the item : Sand (Coarse)

(In. Rs. Per Cubic Meter)

Zone 1	**North Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
JAMMU & KASHMIR	575	650	650	13.04	0.00
HARYANA	460	492	492	6.93	0.00
HIMACHAL PRADESH	686	716	739	4.11	3.03
PUNJAB	738	855	855	18.64	0.00
UTTARAKHAND	694	713	779	2.60	10.45
Average North Zone	**631**	**685**	**703**	**8.67**	**2.58**
Zone 2	**Central Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
MADHYA PRADESH	694	750	750	8.07	0.00
UTTAR PRADESH	743	816	875	11.00	7.00
Average Central Zone	**718**	**783**	**812**	**9.00**	**3.80**
Zone 3	**South Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ANDHRA PRADESH	656	710	748	9.00	6.00
KARNATAKA	708	772	780	9.00	1.00
KERALA	811	870	929	7.00	7.00
Average South Zone	**725**	**784**	**819**	**8.20**	**4.50**
Zone 4	**East Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ASSAM	713	738	792	4.00	7.00
MIZORAM	800	900	950	12.50	5.56
MEGHALAYA	640	733	874	15.00	21.00
ODISHA	625	650	650	4.00	0.00
Average East Zone	**695**	**755**	**816**	**8.70**	**8.10**
Zone 5	**West Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
GUJARAT	405	475	503	17.28	5.79
RAJASTHAN	458	487	554	8.94	16.53
Average -West Zone	**405**	**475**	**503**	**17.28**	**5.79**

Appendix 64	Average prices and price variations of Stone Ballast (20 mm/gauge)in different zones in India

Name of the item : Stone Ballast (20 mm/gauge)

(In. Rs. Per Cubic Meter)

Zone 1	**North Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
JAMMU &KASHMIR	675	700	900	3.70	28.57
HARYANA	887	916	938	2.90	3.02
HIMACHAL PRADESH	807	868	933	8.00	7.00
PUNJAB	572	679	922	18.46	36.38
UTTARAKHAND	772	812	871	4.63	7.79
Average North Zone	**743**	**795**	**913**	**7.58**	**16.62**
Zone 2	**Central Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
MADHYA PRADESH	1294	1300	1300	0.46	0.00
UTTAR PRADESH	1106	1173	1242	6.46	6.06
Average Central Zone	**1200**	**1236**	**1271**	**3.04**	**2.81**
Zone 3	**South Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ANDHRA PRADESH	1079	1069	1175	-0.15	9.41
KARNATAKA	656	656	692	0.00	5.15
KERALA	720	762	907	5.31	19.26
Average South Zone	**818**	**829**	**925**	**1.29**	**11.53**
Zone 4	**East Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ASSAM	1287	1300	1300	0.84	-0.06
MEGHALAYA	1059	1170	1250	11.09	6.69
MIZORAM	1000	1400	1400	40	0
ODISHA	780	780	800	0	2.56
Average East Zone	**1031**	**1163**	**1188**	**12.72**	**2.15**
Zone 5	**West Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
GUJARAT	830	950	993	14.46	4.47
RAJASTHAN	716	759	821	7.09	8.79
Average-West Zone	**773**	**854**	**907**	**10.53**	**6.15**

Appendix 65	Average prices and price variations of C.P. Teak in different zones in India

Name of the Item: C.P. Teak

(In. Rs. Per Cubic Meter)

Zone 1	**North Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
HARYANA	55321	56057	56786	1.45	1.46
HIMACHAL PRADESH	65795	63916	62775	-2.10	-1.69
PUNJAB	47443	49671	49671	4.73	0.00
UTTARAKHAND	67589	67089	66339	-0.52	-0.79
Average North Zone	**59037**	**59183**	**58893**	**0.25**	**-0.49**
Zone 2	**Central Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
MADHYA PRADESH	88000	88000	88000	0.00	0.00
UTTAR PRADESH	64811	68256	72148	6.00	6.00
Average Central Zone	**76405**	**78128**	**80074**	**2.30**	**2.50**
Zone 3	**South Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ANDHRA PRADESH	74331	76974	84523	4.00	9.00
KARNATAKA	65269	68200	68200	4.00	0.00
KERALA	110977	123351	126397	12.00	4.00
Average South Zone	**83525**	**89508**	**93040**	**7.20**	**3.90**
Zone 4	**East Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ASSAM	55802	58054	55820	4.00	-4.00
MEGHALAYA	37488	35355	35355	-5.00	0.00
MIZORAM	21850	23850	28000	9.15	17.40
ODISHA	40173	40250	43800	0.00	10.00
Average East Zone	**38828**	**39377**	**40744**	**1.40**	**3.50**
Zone 5	**West Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
GUJARAT	55500	62075	62825	11.85	1.21
RAJASTHAN	50667	52583	52833	4.00	0.00
Average-West Zone	**53083**	**57329**	**57829**	**8.00**	**0.87**

Note: Data is not available for the State of Jammu & Kashmir

Appendix 66	Average prices and price variations of Sal Wood in different zones in India

Name of the Item: Sal Wood

(In. Rs. Per Cubic Meter)

Zone 1	**North Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
JAMMU & KASHMIR	45000	45000	45000	0.00	0.00
HARYANA	44843	46143	46286	3.00	0.00
HIMACHAL PRADESH	30583	30451	30472	0.00	0.00
PUNJAB	43925	47296	49010	8.00	3.00
UTTARAKHAND	53136	53347	55350	0.00	4.00
Average North Zone	**43497**	**44447**	**45223**	**2.20**	**1.70**
Zone 2	**Central Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
MADHYA PRADESH	33100	33200	33200	0.00	0.00
UTTAR PRADESH	45588	49210	53830	8.00	9.00
Average Central Zone	**39344**	**41205**	**43515**	**4.70**	**5.60**
Zone 3	**South Zone**				
ANDHRA PRADESH	34959	37540	36687	8.00	-1.00
KARNATAKA	32380	31280	32900	-3.00	6.00
KERALA	67089	68000	68000	1.00	0.00
Average South Zone	**44809**	**45607**	**45862**	**1.80**	**0.60**
Zone 4	**East Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ASSAM	44916	48325	51150	7.00	5.00
MEGHALAYA	33534	37084	41488	12.00	13.00
ODISHA	39956	43500	43500	13.00	0.00
Average East Zone	**39469**	**42970**	**45379**	**8.90**	**5.60**
Zone 5	**West Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
GUJARAT	37000	37000	37000	0.00	0.00
RAJASTHAN	29500	30117	33511	3.00	10.00
Average-West Zone	**33250**	**33558**	**35256**	**0.90**	**5.10**

Note: Data is not available for the State of Mizoram

Appendix 67	Average prices and price variations of Cement (High Strength) in different zones in India

Name of the Item: Cement (High Strength)

(In. Rs. Per Metric Ton)

Zone 1	**North Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
HARYANA	5473	5641	5720	3.00	1.33
HIMACHAL PRADESH	6370	6543	6687	2.74	2.33
PUNJAB	5280	5950	6080	12.95	2.34
UTTARAKHAND	5583	6067	5804	8.83	-4.30
Average North Zone	**5676**	**6050**	**6073**	**6.58**	**0.38**
Zone 2	**Central Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
UTTAR PRADESH	5545	5798	6073	4.68	4.94
MADHYA PRADESH	8000	8500	8500	6.25	0.00
Average Central Zone	**6772**	**7149**	**7286**	**5.56**	**1.92**
Zone 3	**South Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ANDHRA PRADESH	5338	5453	5766	2.50	6.15
KARNATAKA	6195	6529	6671	5.39	2.53
KERALA	6685	7006	7294	4.84	4.24
Average South Zone	**6072**	**6329**	**6577**	**4.23**	**3.91**
Zone 4	**East Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ASSAM	7188	7275	7300	1.20	0.30
MEGHALAYA	6500	7000	7038	7.38	0.44
MIZORAM	8325	8525	8550	2.40	0.29
ODISHA	6325	6525	6525	3.03	0.00
Average East Zone	**7084**	**7331**	**7353**	**3.48**	**0.30**
Zone 5	**West Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
GUJARAT	5925	6475	6913	9.28	6.76
RAJASTHAN	5277	5622	6191	7.00	10.00
Average-West Zone	**5925**	**6475**	**6913**	**9.28**	**6.76**

Note: Data is not available for the State of Jammu & Kashmir

Appendix 68	Average prices and price variations of Stone Slab for flooring (100 Sq. Mts.) in different zones in India

Name of the Item: Stone Slab for flooring (100 Sq. Mts.)

(In Rs. Per 100 sq. Mts.)

Zone 1	**North Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
JAMMU AND KASHMIR	10600	10600	10600	0.00	0.00
HIMACHAL PRADESH	41600	42100	43325	1.20	2.91
HARYANA	42708	43896	43942	2.78	0.10
Average -North Zone	**31636**	**32199**	**32622**	**1.78**	**1.32**
Zone 2	**Central Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
UTTAR PRADESH	28631	29309	30591	2.37	4.37
MADHYA PRADESH	35320	35400	35400	0.23	0.00
Average Central Zone	**31976**	**32355**	**32996**	**1.19**	**1.98**
Zone 3	**South Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ANDHRA PRADESH	19632	19974	20039	1.74	0.33
KERALA	38460	40560	41134	5.46	1.42
KARNATAKA	37849	37849	37849	0.00	0.00
Average South Zone	**31980**	**32794**	**33007**	**2.55**	**0.65**
Zone 4	**East Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
MEGHALAYA	31840	31907	35300	0.21	10.64
MIZORAM	33820	33820	33820	0.00	0.00
ODISHA	51990	51990	51990	0.00	0.00
ASSAM	45120	45160	45160	0.09	0.00
Average East Zone	**40692**	**40719**	**41567**	**0.07**	**2.08**
Zone 5	**West Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
RAJASTHAN	24932	25345	26682	1.66	5.28
GUJARAT	26500	26775	27325	1.04	2.05
Average-West Zone	**25716**	**26060**	**27004**	**1.34**	**3.62**

Note: Data is not available for the State of Punjab & Uttarakhand

Appendix 69	Average prices and price variations of Tiles (Glazed) in different zones in India

Name of the item : Tiles(Glazed)

(In Rs. 1000 Unit)

Zone 1	**North Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
HARYANA	16700	17167	17167	3.00	0.00
HIMACHAL PRADESH	17458	18833	19377	7.00	2.00
PUNJAB	20707	20743	20743	0.00	0.00
UTTARAKHAND	11167	11750	12000	5.64	2.18
Average North Zone	**16508**	**17123**	**17322**	**3.70**	**1.20**
Zone 2	**Central Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
MADHYA PRADESH	30000	32000	32000	6.67	0.00
UTTAR PRADESH	14404	14956	16059	4.00	8.00
Average Central Zone	**22202**	**23478**	**24030**	**5.70**	**2.40**
Zone 3	**South Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ANDHRA PRADESH	21339	22915	22013	7.00	-4.00
KARNATAKA	28622	28688	29008	0.00	1.00
KERALA	48600	51402	51510	6.00	0.00
Average South Zone	**32854**	**34335**	**34177**	**4.50**	**-0.50**
Zone 4	**East Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ASSAM	33208	33585	35002	1.00	5.00
MEGHALAYA	23750	23750	25875	0.00	9.00
MIZORAM	46250	50000	50000	8.11	0.00
ODISHA	36750	37000	37000	0.68	0.00
Average East Zone	**34990**	**36084**	**36969**	**3.10**	**2.50**
Zone 5	**West Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
GUJARAT	18205	19040	18623	4.00	-3.00
RAJASTHAN	13914	13925	14700	1.00	6.00
Average-West Zone	**16060**	**16483**	**16661**	**2.60**	**1.10**

Note: Data is not available for the State of Jammu & Kashmir

Appendix 70	Average prices and price variations of S.W. Pipe (100 mm Diameter) in different zones in India

Name of the item: S.W. Pipe (100 mm Diameter)

(In Rs. Per Two Feet Long Each)

Zone 1	**North Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
JAMMU & KASHMIR	85	85	85	0.00	0.00
HARYANA	55	60	68	9.25	15.21
HIMACHAL PRADESH	53	59	60	12.26	1.28
PUNJAB	49	58	58	19.60	0.00
UTTARAKHAND	56	68	85	23.94	24.96
Average North Zone	**59**	**66**	**71**	**11.10**	**7.70**
Zone 2	**Central Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
MADHYA PRADESH	62	62	74	0.00	18.95
UTTAR PRADESH	60	61	63	2.47	4.77
Average Central Zone	**61**	**61**	**68**	**0.90**	**11.30**
Zone 3	**South Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ANDHRA PRADESH	51	56	67	10.18	18.60
KARNATAKA	73	72	72	-0.42	0.00
Average South Zone	**62**	**64**	**69**	**3.90**	**8.10**
Zone 4	**East Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
ASSAM	42	52	58	21.86	15.08
MEGHALAYA	48	53	59	13.00	11.00
MIZORAM	60	60	60	0.00	0.00
ODISHA	56	63	70	14.00	13.00
Average East Zone	**52**	**57**	**62**	**10.40**	**8.80**
Zone 5	**West Zone**				
Name of the State	**Average prices**			**Variance**	
	2011	**2012**	**2013**	**2012**	**2013**
GUJARAT	59	70	76	21.00	8.00
RAJASTHAN	97	102	104	8.53	3.96
Average-West Zone	**78**	**86**	**90**	**10.20**	**4.50**

Note: Data is not available for the State of Kerala

Data Appendices (71-74)

State-wise/Class-I Cities Average Prices and Price Variations of Building Materials in Different Zones

Appendix 71 State-wise/Class-I Cities Average Wage Rates and Percentage Variation of Mason (First Class) during 2011 to 2013.

(In Rs. per day)

Name of the State	Name of the Class-I Cities	Average Wage Rate Mason (First Class)			Percentage Variation during	
		2011	2012	2013	2012	2013
Andhra Pradesh						
	Cuddapah	375	400	400	6.67	0.00
	Guntur	363	375	375	3.45	0.00
	Karimnagar	350	350	350	0.00	0.00
	Khammam	350	350	350	0.00	0.00
	Kurnool	400	400	400	0.00	0.00
	Nellore	350	350	350	0.00	0.00
	Nizamabad	300	300	300	0.00	0.00
	Vizianagaram	250	250	250	0.00	0.00
Assam						
	Dibrugarh	300	350	350	16.67	0.00
	Guwahati	350	400	500	14.29	25.00
	Silchar	275	295	295	7.27	0.00
Chhattisgarh						
	Raigarh	550	550	550	0.00	0.00
Gujarat						
	Bhavnagar	300	343	400	14.17	16.79
Haryana						
	Ambala	400	400	400	0.00	0.00
	Fatehabad	413	463	550	12.12	18.92
	Hisar	450	450	450	0.00	0.00
	Karnal	400	400	400	0.00	0.00
	Panipat	438	500	500	14.29	0.00
	Rohtak	400	500	500	25.00	0.00
	Yamunanagar	350	350	350	0.00	0.00
Himachal Pradesh						
	Dharmsala	300	350	395	16.67	12.86
	Shimla	400	400	488	0.00	21.88
	Solan	350	363	400	3.57	10.34
Jammu & Kashmir						
	Jammu	400	400	400	0.00	0.00
Karnataka						
	Belgaum	365	365	365	0.00	0.00
	Bellary	500	500	500	0.00	0.00
	Gulbarga	350	350	350	0.00	0.00

Contd...

Name of the State	Name of the Cities	Average Wage Rate Mason (First Class)			Percentage Variation during	
		2011	2012	2013	2012	2013
	Hassan	400	400	500	0.00	25.00
	Mysore	400	400	400	0.00	0.00
	Shimoga	300	300	500	0.00	66.67
Kerala						
	Alappuzha	450	650	750	44.44	15.38
	Palakkad	438	600	600	37.14	0.00
Madhya Pradesh						
	Gwalior	187	187	187	0.00	0.00
Meghalaya						
	Shillong	313	350	438	12.00	25.00
	Tura	325	400	463	23.08	15.63
Mizoram						
	Aizawl	500	500	500	0.00	0.00
Odisha						
	Bhubaneswar	350	350	350	0.00	0.00
	Puri	400	400	400	0.00	0.00
Punjab						
	Bathinda	450	550	550	22.22	0.00
	Hoshiarpur	300	450	450	50.00	0.00
	Jalandhar	300	400	400	33.33	0.00
	Moga	400	500	500	25.00	0.00
	Patiala	350	500	500	42.86	0.00
	S.A.S Nagar	350	500	500	42.86	0.00
Rajasthan						
	Ajmer	400	450	550	12.50	22.22
	Alwar	400	400	500	0.00	25.00
	Bharatpur	325	350	400	7.69	14.29
	Bhilwara	325	450	450	38.46	0.00
	Bikaner	450	450	550	0.00	22.22
	Ganganagar	400	400	600	0.00	50.00
	Hanumangarh	350	450	470	28.57	4.44
	Pali	350	400	600	14.29	50.00
	Sikar	350	400	500	14.29	25.00
	Tonk	400	400	500	0.00	25.00
	Udaipur	350	400	600	14.29	50.00

Contd...

Name of the State	Name of the Cities	Average Wages Rate Mason (First Class)			Percentage Variation during	
		2011	2012	2013	2012	2013
Uttar Pradesh						
	Aligarh	250	350	400	40.00	14.29
	Bahraich	250	365	406	46.00	11.23
	Bareilly	255	350	400	37.25	14.29
	Bulandshahr	255	350	415	37.25	18.57
	Etawah	254	300	350	18.11	16.67
	Farrukhabad-cum-Fatehgarh	250	260	388	4.00	49.23
	Firozabad	214	230	406	7.60	76.63
	Gorakhpur	208	260	380	25.30	46.15
	Hapur	200	245	413	22.50	68.37
	Jaunpur	180	213	300	18.06	41.18
	Mathura	230	313	400	35.87	28.00
	Maunath Bhanjan	300	350	363	16.67	3.71
	Mirzapur-cum-Vindhyachal	225	235	238	4.44	1.28
	Orai	240	300	355	25.00	18.33
	Rae Bareli	238	260	275	9.24	5.77
	Sambhal	260	260	300	0.00	15.38
	Unnao	225	249	300	10.67	20.48
	Fatehpur	190	230	350	21.05	52.17
	Hardoi	225	225	350	0.00	55.56
	Jhansi	240	360	400	50.00	11.11
	Moradabad	224	260	405	16.20	55.77
	Muzaffarnagar	284	300	388	5.63	29.33
	Nawabganj / Unnao	225	225	225	0.00	0.00
	Rampur	224	250	388	11.73	55.00
	Saharanpur	275	300	375	9.09	25.00
	Shahjahanpur	210	255	275	21.43	7.84
	Sitapur	203	240	371	18.52	54.69
Uttarakhand						
	Dehradun	290	340	363	17.24	6.76
	Haridwar	258	344	400	33.50	16.36
	Haldwani-cum-Kath-godam	250	250	250	0.00	0.00
	Rudrapur / Udham Singh Nagar	230	300	300	30.43	0.00

Appendix 72	State-wise/Class-I Cities Average Wage Rates and Percentage Variation of Carpenter (First Class) during 2011 to 2013.

(In Rs. per day)

Name of the State	Name of the Class-I Cities	Average Wage Rate Carpenter (First Class)			Percentage Variation during	
		2011	2012	2013	2012	2013
Andhra Pradesh						
	Cuddapah	388	400	400	3.23	0.00
	Guntur	363	375	375	3.45	0.00
	Karimnagar	350	350	350	0.00	0.00
	Khammam	350	350	350	0.00	0.00
	Kurnool	350	350	350	0.00	0.00
	Nellore	350	350	350	0.00	0.00
	Nizamabad	250	250	250	0.00	0.00
	Cuddapah	388	400	400	3.23	0.00
Assam						
	Dibrugarh	300	350	350	16.67	0.00
	Guwahati	350	400	500	14.29	25.00
	Silchar	275	280	300	1.82	7.14
Gujarat						
	Bhavnagar	300	343	400	14.17	16.79
Haryana						
	Ambala	350	400	400	14.29	0.00
	Fatehabad	375	463	550	23.33	18.92
	Hisar	450	450	450	0.00	0.00
	Karnal	400	400	400	0.00	0.00
	Panipat	400	500	500	25.00	0.00
	Rohtak	450	500	500	11.11	0.00
	Yamunanagar	350	400	400	14.29	0.00
Himachal Pradesh						
	Dharmsala	300	350	400	16.67	14.29
	Shimla	400	400	488	0.00	21.88
	Solan	350	363	400	3.57	10.34
Jammu & Kashmir						
	Jammu	400	400	400	0.00	0.00
Karnataka						
	Belgaum	300	350	350	16.67	0.00
	Bellary	400	450	500	12.50	11.11
	Gulbarga	300	300	300	0.00	0.00

Contd...

Name of the State	Name of the Cities	Average Wage Rate Carpenter (First Class)			Percentage Variation during	
		2011	2012	2013	2012	2013
	Hassan	450	450	450	0.00	0.00
	Mysore	500	500	500	0.00	0.00
	Shimoga	300	350	400	16.67	14.29
Kerala						
	Alappuzha	450	750	750	66.67	0.00
	Palakkad	350	600	600	71.43	0.00
Madhya Pradesh						
	Gwalior	300	350	350	16.67	0.00
Meghalaya						
	Shillong	450	450	500	0.00	11.11
	Tura	325	400	438	23.08	9.38
Mizoram						
	Aizawl	500	500	500	0.00	0.00
Odisha						
	Bhubaneswar	350	400	400	14.29	0.00
	Puri	300	350	350	16.67	0.00
Punjab						
	Bathinda	450	550	550	22.22	0.00
	Hoshiarpur	300	450	450	50.00	0.00
	Jalandhar	300	400	400	33.33	0.00
	Moga	400	500	500	25.00	0.00
	Patiala	400	500	500	25.00	0.00
	S.A.S. Nagar (Mohali)	300	500	500	66.67	0.00
Rajasthan						
	Ajmer	350	400	450	14.29	12.50
	Alwar	350	350	400	0.00	14.29
	Bharatpur	300	350	400	16.67	14.29
	Bhilwara	325	450	450	38.46	0.00
	Bikaner	430	430	450	0.00	4.65
	Ganganagar	350	350	550	0.00	57.14
	Hanumangarh	350	400	430	14.29	7.50
	Pali	300	400	500	33.33	25.00
	Sikar	300	350	400	16.67	14.29
	Tonk	400	400	500	0.00	25.00
	Udaipur	240	250	450	4.17	80.00

Contd...

Name of the State	Name of the Cities	Average Wage Rate Carpenter (First Class)			Percentage Variation during	
		2011	2012	2013	2012	2013
Uttar Pradesh						
	Aligarh	210	225	400	7.14	77.78
	Bahraich	200	300	375	50.00	25.00
	Bareilly	230	260	375	13.04	44.23
	Bulandshahr	190	270	408	42.11	50.93
	Etawah	300	300	350	0.00	16.67
	Farrukhabad-cum-Fatehgarh	250	300	375	20.00	25.00
	Fatehpur	185	215	338	16.22	56.98
	Firozabad	199	210	375	5.66	78.57
	Gorakhpur	205	290	390	41.46	34.48
	Hapur	200	240	425	20.00	77.08
	Hardoi	250	250	363	0.00	45.00
	Jaunpur	180	233	303	29.17	30.11
	Jhansi	240	400	400	66.67	0.00
	Mathura	240	283	425	17.71	50.44
	Maunath Bhanjan	180	200	255	11.11	27.50
	Mirzapur-cum-Vindhyachal	215	250	250	16.28	0.00
	Moradabad	224	260	400	16.20	53.85
	Muzaffarnagar	186	294	375	57.72	27.66
	Orai	240	400	428	66.67	6.88
	Rae Bareli	250	290	363	16.00	25.00
	Rampur	224	250	338	11.73	35.00
	Saharanpur	175	275	381	57.14	38.64
	Sambhal	240	260	350	8.33	34.62
	Shahjahanpur	210	255	288	21.43	12.75
	Sitapur	215	265	375	23.26	41.51
	Nawabganj	250	250	250	0.00	0.00
	Unnao	250	279	400	11.50	43.50
Uttarakhand						
	Dehradun	280	340	385	21.43	13.24
	Haridwar	250	365	400	46.00	9.59
	Rudrapur	220	300	338	36.36	12.50
	Haldwani-cum-Kathgodam	300	350	350	16.67	0.00

Appendix 73	State-wise/Class-I Cities Average Wage Rates and Percentage Variation of Un-Skilled Labour (Male) during 2011 to 2013.

(In Rs. per day)

Name of the State	Name of the Class-I Cities	Average Wage Rate Un-Skilled Labour (Male)			Percentage Variation during	
		2011	2012	2013	2012	2013
Andhra Pradesh						
	Cuddapah	273	288	300	5.50	4.35
	Guntur	294	300	300	2.13	0.00
	Karimnagar	300	300	300	0.00	0.00
	Khammam	244	244	244	0.00	0.10
	Kurnool	220	220	220	0.00	0.00
	Nellore	250	250	250	0.00	0.00
	Nizamabad	250	250	250	0.00	0.00
	Vizianagaram	250	275	275	10.00	0.00
Assam						
	Dibrugarh	200	250	250	25.00	0.00
	Guwahati	250	275	300	10.00	9.09
	Silchar	200	200	200	0.00	0.00
Chhattisgarh						
	Raigarh	310	350	350	12.90	0.00
Gujarat						
	Bhavnagar	250	275	300	10.00	9.09
Haryana						
	Ambala	250	300	300	20.00	0.00
	Fatehabad	300	300	350	0.00	16.67
	Hisar	300	350	350	16.67	0.00
	Karnal	250	300	300	20.00	0.00
	Panipat	250	300	300	20.00	0.00
	Rohtak	300	300	300	0.00	0.00
	Yamunanagar	250	300	300	20.00	0.00
Himachal Pradesh						
	Dharmsala	300	300	325	0.00	8.33
	Shimla	300	300	338	0.00	12.50
	Solan	250	263	300	5.00	14.29
Jammu & Kashmir						
	Jammu	238	238	238	0.21	0.00
Karnataka						
	Belgaum	250	250	275	0.00	10.00
	Bellary	250	250	275	0.00	10.00
	Gulbarga	200	200	200	0.00	0.00

Contd...

Name of the State	Name of the Cities	Average Wage Rate Un-Skilled Labour (Male)			Percentage Variation during	
		2011	2012	2013	2012	2013
	Hassan	300	300	300	0.00	0.00
	Mysore	275	275	275	0.00	0.00
	Shimoga	275	275	300	0.00	9.09
Kerala						
	Alappuzha	375	400	450	6.67	12.50
	Palakkad	350	400	400	14.29	0.00
Madhya Pradesh						
	Gwalior	200	250	250	25.00	0.00
Meghalaya						
	Shillong	200	250	263	25.00	5.20
	Tura	200	250	250	25.00	0.00
Mizoram						
	Aizawl	238	325	325	36.84	0.00
Odisha						
	Bhubaneswar	200	250	250	25.00	0.00
	Puri	200	250	250	25.00	0.00
Punjab						
	Bathinda	280	350	350	25.00	0.00
	Hoshiarpur	250	300	300	20.00	0.00
	Jalandhar	250	250	250	0.00	0.00
	Moga	250	300	300	20.00	0.00
	Patiala	235	265	300	12.77	13.21
	S.A.S. Nagar (Mohali)	275	300	350	9.09	16.67
Rajasthan						
	Ajmer	250	300	350	20.00	16.67
	Alwar	250	250	300	0.00	20.00
	Bharatpur	200	200	250	0.00	25.00
	Bhilwara	200	250	300	25.00	20.00
	Bikaner	300	400	400	33.33	0.00
	Ganganagar	250	300	350	20.00	16.67
	Hanumangarh	250	300	325	20.00	8.33
	Pali	200	250	300	25.00	20.00
	Sikar	200	200	300	0.00	50.00
	Tonk	200	250	300	25.00	20.00
	Udaipur	250	260	300	4.00	15.38

Contd...

Name of the State	Name of the Cities	Average Wage Rate Un-Skilled Labour (Male)			Percentage Variation during	
		2011	2012	2013	2012	2013
Uttar Pradesh						
	Aligarh	130	130	213	0.00	63.46
	Bahraich	123	146	225	18.70	54.11
	Bareilly	115	140	250	21.74	78.57
	Bulandshahr	125	138	228	10.00	65.45
	Etawah	105	144	250	36.90	73.91
	Farrukhabad-cum-Fatehgarh	100	133	213	32.50	60.38
	Fatehpur	120	130	180	8.33	38.46
	Firozabad	113	120	250	6.67	108.33
	Gorakhpur	118	170	245	44.68	44.12
	Hapur	125	153	256	22.00	68.03
	Hardoi	146	146	172	0.00	17.47
	Jaunpur	110	134	195	21.82	45.52
	Jhansi	120	190	198	58.33	3.95
	Mathura	135	140	275	3.70	96.43
	Maunath Bhanjan	120	120	238	0.00	97.92
	Mirzapur-cum-Vindhyachal	128	150	150	17.65	0.00
	Moradabad	120	150	250	25.00	66.67
	Muzaffarnagar	130	154	220	18.27	43.09
	Nawabganj / Unnao	150	150	150	0.00	0.00
	Orai	130	210	260	61.54	23.81
	Rae Bareli	146	175	201	19.86	15.00
	Rampur	123	135	250	10.20	85.19
	Saharanpur	125	151	245	20.80	62.25
	Sambhal	125	150	213	20.00	41.67
	Shahjahanpur	110	124	138	12.50	11.11
	Sitapur	129	157	193	21.08	23.00
	Unnao	150	160	253	6.67	57.81
Uttarakhand						
	Dehradun	158	170	190	7.94	11.76
	Haldwani-cum-Kath-godam	200	200	200	0.00	0.00
	Haridwar	145	160	235	10.34	46.88
	Rudrapur / Udham Singh Nagar	115	200	200	73.91	0.00

Appendix 74	State-wise/Class-I Cities Average Wage Rates and Percentage Variation of Un-Skilled Labour (Female) during 2011 to 2013.

(In Rs. per day)

Name of the State	Name of the Class-I Cities	Average Wage Rate Un-Skilled Labour (Female)			Percentage Variation during	
		2011	2012	2013	2012	2013
Andhra Pradesh						
	Cuddapah	195	200	200	2.56	0.00
	Guntur	294	300	300	2.13	0.00
	Karimnagar	225	244	250	8.33	2.56
	Khammam	200	200	200	0.00	0.00
	Kurnool	225	225	225	0.00	0.00
	Nellore	120	120	120	0.00	0.00
	Nizamabad	130	130	130	0.00	0.00
	Vizianagaram	195	200	200	2.56	0.00
Assam						
	Dibrugarh	150	200	200	33.33	0.00
	Guwahati	200	275	300	37.50	9.09
	Silchar	150	173	200	15.00	15.94
Chhattisgarh						
	Raigarh	130	130	130	0.00	0.00
Gujarat						
	Bhavnagar	106	173	250	62.35	44.93
Haryana						
	Ambala	-	-	-	-	-
	Fatehabad	206	281	350	36.36	24.44
	Hisar	280	280	280	0.00	0.00
	Karnal	200	200	200	0.00	0.00
	Panipat	200	250	250	25.00	0.00
	Rohtak	250	250	250	0.00	0.00
	Yamunanagar	175	200	200	14.29	0.00
Himachal Pradesh						
	Dharmsala	180	190	233	5.56	22.37
	Shimla	300	300	300	0.00	0.00
	Solan	240	243	250	1.04	3.09
Jammu & Kashmir						
	Jammu	225	250	250	11.11	0.00
Karnataka						
	Belgaum	125	125	180	0.00	44.00
	Bellary	300	300	300	0.00	0.00
	Gulbarga	150	150	150	0.00	0.00

Contd...

Name of the State	Name of the Cities	Average Wage Rate Un-Skilled Labour (Female)			Percentage Variation during	
		2011	2012	2013	2012	2013
	Hassan	225	225	250	0.00	11.11
	Mysore	200	200	200	0.00	0.00
	Shimoga	200	200	250	0.00	25.00
Kerala						
	Alappuzha	300	500	500	66.67	0.00
	Palakkad	200	300	300	50.00	0.00
Madhya Pradesh						
	Gwalior	238	250	250	5.26	0.00
Meghalaya						
	Shillong	150	150	188	0.00	25.00
	Tura	200	225	238	12.50	5.56
Mizoram						
	Aizawl	238	325	325	36.84	0.00
Odisha						
	Bhubaneswar	190	190	190	0.00	0.00
	Puri	150	150	150	0.00	0.00
Punjab						
	Bathinda	225	250	250	11.11	0.00
	Hoshiarpur	250	250	250	0.00	0.00
	Jalandhar	155	200	200	29.03	0.00
	Moga	225	250	250	11.11	0.00
	Patiala	150	200	200	33.33	0.00
	S.A.S. Nagar (Mohali)	150	300	300	100.00	0.00
Rajasthan						
	Ajmer	200	250	300	25.00	20.00
	Alwar	200	200	250	0.00	25.00
	Bharatpur	180	180	250	0.00	38.89
	Bhilwara	170	175	175	2.94	0.00
	Bikaner	270	270	350	0.00	29.63
	Ganganagar	250	250	350	0.00	40.00
	Hanumangarh	225	300	325	33.33	8.33
	Pali	160	200	250	25.00	25.00
	Sikar	175	150	250	-14.29	66.67
	Tonk	150	150	250	0.00	66.67
	Udaipur	130	140	250	7.69	78.57

Contd...

Name of the State	Name of the Cities	Average Wage Rate Un-Skilled Labour (Female)			Percentage Variation during	
		2011	2012	2013	2012	2013
Uttar Pradesh						
	Aligarh	120	125	125	4.17	0.00
	Bahraich	150	150	250	0.00	66.67
	Bareilly	115	155	178	34.78	14.52
	Bulandshahr	105	180	198	71.43	9.72
	Etawah	100	135	213	35.00	57.41
	Farrukhabad-cum-Fatehgarh	120	130	180	8.33	38.46
	Fatehpur	105	110	200	4.76	81.82
	Firozabad	118	170	245	44.68	44.12
	Gorakhpur	125	150	213	20.00	41.67
	Hapur	146	148	180	1.37	21.62
	Hardoi	110	134	195	21.82	45.52
	Jaunpur	120	190	198	58.33	3.95
	Jhansi	135	153	204	12.96	33.61
	Mathura	120	120	238	0.00	97.92
	Maunath Bhanjan	121	130	125	7.42	-4.03
	Mirzapur-cum-Vindhyachal	120	150	250	25.00	66.67
	Moradabad	130	154	195	18.27	26.83
	Muzaffarnagar	146	150	150	2.74	0.00
	Nawabganj / Unnao	120	190	239	58.33	25.66
	Orai	200	200	200	0.00	0.00
	Rae Bareli	146	170	188	16.44	10.29
	Rampur	125	151	151	21.00	-0.17
	Saharanpur	125	150	213	20.00	41.67
	Sambhal	120	121	121	1.04	-0.21
	Shahjahanpur	129	160	163	23.79	1.56
	Sitapur	146	160	250	9.59	56.25
	Unnao	120	125	125	4.17	0.00
Uttarakhand						
	Dehradun	150	190	190	26.67	0.00
	Haldwani-cum-Kath-godam	200	200	200	0.00	0.00
	Haridwar	140	210	235	50.00	11.90
	Rudrapur / Udham Singh Nagar	115	200	200	73.91	0.00

Data Appendices (75-79)

State-wise/Class-I Cities Average Wage Rates and Percentage Variations in Wage Rates of Construction Labour in Different Zones

Appendix 75 — Average Wage Rates and Percentage Variations in Wages of Mason (First Class) in different Zones in India

(In.Rs Per Day)

Name of the State/UTs	Average Wage Rate Mason (First Class)			Percentage Variation in Wage Rates	
	2011	2012	2013	2012	2013
North Zone					
Chandigarh	300	300	300	0.0	0.0
Haryana	390	444	475	13.7	7.0
Himachal Pradesh	342	382	416	11.7	8.8
Jammu & Kashmir	425	425	425	0.0	0.0
Punjab	368	368	368	0.0	0.0
Uttarakhand	263	338	380	28.2	12.6
Average North Zone	**348**	**376**	**394**	**8.0**	**4.8**
Central Zone					
Chhattisgarh	550	550	550	0.0	0.0
Madhya Pradesh	296	350	350	18.4	0.0
Uttar Pradesh	205	262	380	28.1	45.0
Average Central Zone	**350**	**387**	**427**	**10.6**	**10.1**
South Zone					
Andhra Pradesh	338	348	348	2.7	0.1
Karnataka	366	387	387	5.6	0.1
Kerala	485	485	485	0.0	0.0
Pondicherry	403	483	483	19.7	0.1
Tamil Nadu	600	600	600	0.0	0.0
Average South Zone	**439**	**460**	**461**	**5.0**	**0.0**
East Zone					
Assam	309	328	377	6.1	15.0
Meghalaya	319	375	442	17.6	17.8
Mizoram	500	500	567	0.0	13.4
Odisha	375	300	300	-20.0	0.0
West Bengal	300	300	300	0.0	0.0
Average East Zone	**361**	**361**	**397**	**0.0**	**10.1**
West Zone					
Goa	456	517	517	13.2	0.1
Gujarat	408	489	641	19.7	31.1
Rajasthan	361	385	385	6.6	0.1
Average West Zone	**408**	**463**	**514**	**13.4**	**11.0**

Appendix 76	State-wise Average Wage Rates and Percentage Variations in Wages of Carpenter (First Class) in different Zones in India

(In.Rs Per Day)

Name of the State	Average Wage Rate Carpenter (First Class)			Percentage Variation in Wage Rates	
	2011	2012	2013	2012	2013
North Zone					
Chandigarh	300	300	300	0.0	0.0
Haryana	386	419	463	8.5	10.4
Himachal Pradesh	349	380	415	8.9	9.2
Jammu & Kashmir	425	425	425	0.0	0.0
Punjab	366	366	366	0.0	0.0
Uttarakhand	263	327	387	24.3	18.1
Average North Zone	**348**	**370**	**393**	**6.1**	**6.2**
Central Zone					
Chhattisgarh	560	560	560	0.0	0.0
Madhya Pradesh	329	350	350	6.3	0.0
Uttar Pradesh	207	269	368	29.7	36.9
Average Central Zone	**365**	**393**	**426**	**7.5**	**8.4**
South Zone					
Andhra Pradesh	323	338	338	4.6	0.1
Karnataka	394	319	319	-19.0	-0.1
Kerala	467	467	467	-0.1	0.0
Pondicherry	394	401	401	1.9	-0.1
Tamil Nadu	600	600	600	0.0	0.0
Average South Zone	**436**	**425**	**425**	**-2.4**	**0.0**
East Zone					
Assam	303	320	370	5.6	15.5
Meghalaya	388	425	435	9.7	2.5
Mizoram	500	500	567	0.0	13.4
Odisha	325	300	300	-7.7	0.0
West Bengal	300	300	300	0.0	0.0
Average East Zone	**363**	**369**	**395**	**1.6**	**6.9**
West Zone					
Goa	506	508	508	0.4	-0.1
Gujarat	412	480	574	16.5	19.7
Rajasthan	334	358	358	7.2	-0.1
Average West Zone	**418**	**449**	**480**	**7.5**	**6.9**

Appendix 77	State-wise Average Wage Rates and Percentage Variations in Wages of Un-Skilled (Male) in different Zones in India

(In.Rs Per Day)

Name of the State	Average Wage Rate Un-Skilled (Male)			Percentage Variation in Wage Rates	
	2011	2012	2013	2012	2013
North Zone					
Chandigarh	160	160	160	0.0	0.0
Haryana	249	277	300	11.1	8.3
Himachal Pradesh	215	242	266	12.5	9.8
Jammu & Kashmir	269	269	269	0.1	0.0
Punjab	219	219	219	0.0	0.0
Uttarakhand	146	175	212	19.9	21.0
Average North Zone	**210**	**224**	**238**	**6.7**	**6.2**
Central Zone					
Chhattisgarh	310	310	310	0.0	0.0
Madhya Pradesh	233	250	250	7.1	0.0
Uttar Pradesh	126	146	223	15.6	53.1
Average Central Zone	**223**	**235**	**261**	**5.4**	**11.0**
South Zone					
Andhra Pradesh	232	244	244	5.6	-0.2
Karnataka	248	242	242	-2.2	-0.1
Kerala	329	329	329	0.0	0.0
Pondicherry	250	313	313	25.0	0.2
Tamil Nadu	300	300	300	0.0	0.0
Average South Zone	**272**	**286**	**286**	**5.2**	**0.0**
East Zone					
Assam	197	215	238	8.9	10.8
Meghalaya	200	225	275	12.5	22.2
Mizoram	238	325	262	36.8	-19.4
Odisha	200	150	150	-25.0	0.0
West Bengal	300	240	240	-20.0	0.0
Average East Zone	**227**	**231**	**233**	**1.8**	**0.9**
West Zone					
Goa	281	317	317	12.6	0.1
Gujarat	247	241	309	-2.1	28.0
Rajasthan	214	232	232	8.6	0.0
Average West Zone	**247**	**263**	**286**	**6.6**	**8.6**

Appendix 78	State-wise Average Wage Rates and Percentage Variations in Wages of Un-Skilled (Female) in different Zones in India

(In.Rs Per Day)

Name of the State	Average Wage Rate Un-Skilled (Female)			Percentage Variation in Wage Rates	
	2011	2012	2013	2012	2013
North Zone					
Chandigarh	130	130	130	0.0	0.0
Haryana	208	224	275	7.6	23.0
Himachal Pradesh	199	227	249	13.9	9.6
Jammu & Kashmir	238	238	238	0.2	0.0
Punjab	175	175	175	-0.1	0.0
Uttarakhand	146	186	239	27.8	28.5
Average North Zone	**183**	**197**	**218**	**7.7**	**10.7**
Central Zone					
Chhattisgarh	130	130	130	0.0	0.0
Madhya Pradesh	242	250	250	3.4	0.0
Uttar Pradesh	124	149	209	19.8	40.6
Average Central Zone	**165**	**176**	**196**	**6.6**	**11.4**
South Zone					
Andhra Pradesh	190	205	205	8.4	-0.2
Karnataka	200	194	194	-2.8	-0.2
Kerala	317	317	317	-0.1	0.0
Pondicherry	188	295	295	57.3	0.0
Tamil Nadu	200	200	200	0.0	0.0
Average outh Zone	**219**	**242**	**242**	**10.7**	**-0.1**
East Zone					
Assam	144	175	192	21.2	10.0
Meghalaya	175	188	204	7.1	8.9
Mizoram	238	249	267	4.8	7.2
Odisha	170	150	150	-11.8	0.0
West Bengal	240	220	214	-8.3	-2.9
Average East Zone	**193**	**196**	**205**	**1.5**	**4.7**
West Zone					
Goa	188	217	217	15.6	0.2
Gujarat	199	219	279	10.2	27.6
Rajasthan	178	199	199	11.7	0.2
Average West Zone	**188**	**211**	**232**	**12.5**	**9.6**

Appendix 79	State-wise Average Rates of Types of Construction Labour during 2011-2013

(In.Rs Per Day)

Name of the State	Mason (First Class)			Carpenter (First Class)			Unskilled Labour (Male)			Unskilled Labour (Female)		
	2011	2012	2013	2011	2012	2013	2011	2012	2013	2011	2012	2013
Andhra Pradesh	338	348	348	323	338	338	232	244	244	190	205	205
Assam	309	328	377	303	320	370	197	215	238	144	175	192
Chandigarh	300	300	300	300	300	300	160	160	160	130	130	130
Chhattisgarh	550	550	550	560	560	560	310	310	310	130	130	130
Goa	456	517	517	506	508	508	281	317	317	188	217	217
Gujarat	408	489	641	412	480	574	247	241	309	199	219	279
Haryana	390	444	475	386	419	463	249	277	300	208	224	275
Himachal Pradesh	342	382	416	349	380	415	215	242	266	199	227	249
Jammu & Kashmir	425	425	425	425	425	425	269	269	269	238	238	238
Karnataka	366	387	387	394	319	319	248	242	242	200	194	194
Kerala	485	485	485	467	467	467	329	329	329	317	317	317
Madhya Pradesh	296	350	350	329	350	350	233	250	250	242	250	250
Meghalaya	319	375	442	388	425	435	200	225	275	175	188	204
Mizoram	500	500	567	500	500	567	238	325	262	238	249	267
Odisha	375	300	300	325	300	300	200	150	150	170	150	150
Pondicherry	403	483	483	394	401	401	250	313	313	188	295	295
Punjab	368	368	368	366	366	366	219	219	219	175	175	175
Rajasthan	361	385	385	334	358	358	214	232	232	178	199	199
Tamil Nadu	600	600	600	600	600	600	300	300	300	200	200	200
Uttar Pradesh	205	262	380	207	269	368	126	146	223	124	149	209
Uttarakhand	263	338	380	263	327	387	146	175	212	146	186	239
West Bengal	300	300	300	300	300	300	300	240	240	240	220	214

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