





HOUSING DEPARTMENT GOVERNMENT OF KARNATAKA

"We have to revive the tradition to fight for the poor and the oppressed. Only by doing so shall we gain the strength to create the India of our dreams". - Rajiv Gandhi.



KARNATAKA SLUM DEVELOPMENT BOARD

DETAILED PROJECT REPORT

DPR FOR CONSTRUCTION OF 666 (G.F) Du's HOUSING AT KUVEMPUNAGARA SLUM (IN-SITU DEVELOPMENT) INCLUDING INFRASTRUCTURE IN BANGALORE CITY IN BYATARAYANPURA AREA UNDER

RAJIV AWAS YOJANA (RAY)

VOLUME – I & II

With technical support from

Consultants :



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Abbreviations

BPL	Below Poverty Line
BSUP	Basic Services for Urban Poor
СВО	Community Based Organisation
CDG	Community Development Group
CDP	City Development Plan
CDS	Community Development Societies
CPHEOO	Central Public Health and Environmental Engineering Organisation
CRZ	Coastal Regulation Zone
CSP	City Sanitation Plan
DA	Development Authority
DC	District Collector
DPR	Detailed Project Report
DUDA	District Urban Development Authority
EWS	Economically Weaker Section
EPC	Engineering Procurement Contract
FAR	Floor Area Ratio
FSI	Floor Space Index
GIS	Geographical Information System
Gol	Government of India
IHSDP	Integrated Housing and Slum Development Programme
ILCS	Integrated Low Cost Sanitation Programme
LIG	Low Income Group
MIS	Management Information System
Mo/HUPA	Ministry of Housing and Poverty Alleviation
NBO	National Building Organisation
NGO	Non Governmental Organisation
NNRC	National Network of Resource Centres
РНС	Primary Health Care Center
RAY	Rajiv Awas Yojana
SFCPoA	Slum Free City Plan of Action
SJSRY	Swarna Jayanti Shahari Rojgar Yojana
SUDA	State Urban Development Authority

TDRTransfer of Development RightsUAAUrban Agglomeration AreaULBUrban Local BodyULCRAUrban Land Ceiling and Regulation ActUPAUrban Poverty Alleviation

VOLUME – I



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1. INTRODUCTION

CHAPTER 1- INTRODUCTION

1.1 GENERAL INTRODUCTION

The state of Karnataka is one of the prominent states in the Southern region of India with Bangalore as its capital, falling under 'A-1' category of CCA and HRA Classification; similarly Bangalore is classified as 'C Class under HRA category. Being the district head quarters Bangalore was established as a municipality. Later it is upgraded as Bangalore City Corporation (TCC) on 28th August 2010. The Corporation comprises 192 wards with a Corporator for each ward, elected by - citizens of Bangalore every five years. The present Mayor Mr Venkatesh Murthy with 192 councillors. The city administration is headed by an IAS officer as the Commissioner of Municipal administration.

Govt of Karnataka had been implementing number of housing scheme for rural and urban mass in the state viz Basava housing scheme, Indira Awas Yojana, Ashraya housing scheme, Nagara Ashraya etc. Karnataka Govt with central assistance has taken up number of projects that includes - Housing, Transport and Self Employment etc for urbanities exclusively for urban poor and slum dwellers. The aim of these projects is to enabling them to avail of the same level of basic amenities as the rest of the town and to bring them to the main stream of society.

City Specific Strategic Interventions to make cities Slum Free are of Significance. With the same objective Government of India has Launched Rajiv Awas Yojana (RAY) envisaging "Slum Free India" through encouraging States and Union Territories to tackle the problems in Slums in definitive Manner. The Program envisages that each State will prepare a Slum Free State Plan of Action identifying Priority Cities Intended to be covered under RAY in First Five Years for Preparation Slum Free City Plan. It is expected to commit for a "Whole City" and d "Whole Slum" Approach in preparing Slum Free City Plans.

1.2 GENERAL BRIEF: BACKGROUND OF BENGALURU

Bangalore, the capital of Karnataka is the 5th largest metropolis of the country. Bangalore founded by Kempegowda during 15th century has grown from a small village to 800sq Km The city is 900m above Sea level & has salubrious climate and located at 12.58° N and 77.38°. East. The normal rainfall is 850 mm and peak rainfall is 1000mm. Bangalore once known as 'pensioners' paradise' has transformed to a modern thriving metropolis mainly driven by its strengths in Information Technology, Electronics and Bio Technology sector. Bangalore's area is les than 0.5 per cent of the state, but it is home to nearly 14 per cent of Karnataka's population and 12.7 per cent of its workforce.

With the creation of the greater Bangalore, it has expanded significantly, and has a forecast of reaching population of 10 million by 2011. Bangalore is a key contributor to the economic growth of the State and the country. With more than 11 per cent of the foreign direct investment in 2006, Bangalore as a city ranks only next to Delhi and Mumbai in India. Bangalore is home to 66 Fortune 500 companies and 743 MNCs in a total of 2001 IT/ITES companies, 131 Biotech firms (50 per cent of India's total) and 800 Apparel Units. More than 1.2 million people are employed in these sectors alone. As IT and ITES hub, Bangalore accounted for Rs. 57,000 crore of software exports which constitutes 36 per cent of country's exports of Rs. 1,60,000 crore in 2007-08..Bangalore is one of the 19 cities in the world which has future growth according to Forbes.



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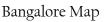


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Karnataka Map



GROWTH OF BANGALORE CITY

During the year 1901 the population of the Bangalore City was only 1.63 lakhs according to 2011 census the pollution of city reaches to 85 lakhs. The literally rate of the city is 79.60%.

Bangalore is a base for fast growth of I T and B T Sectors, Several other major factories such as INFOSYS, WIPRO, HMT, BEL, BHEL, BEML, HAL etc., Bangalore's economy grow may hold because of the software boom.

CONNECTIVITY

The city is connected to major cities of the world and country by Air and has International Airport at Devanahalli 30km away from Bangalore. National highways connecting Chennai (Tamilnadu), Pune(Maharashtra), Hyderabad (Andhra Pradesh), Hosur and Coimbatore (Tamilnadu) pass through the city. All the district head quarters are connected to the city by State Highways. Bangalore is connected with all the major cities in the country by Rail Network and is the Head Quarters of South Western Railways. Metro work for a network of nearly 42km under Phase-I is in progress and being partly opened during April

DEMOGRAPHY & ECONOMY

The City is home to 70 engineering colleges. 7 of them among top 50, producing 20,000 engineering graduates every year. There are 74 NAAC accredited colleges in the city, 5 of them among top 50, producing 30,000 graduates every year of which 22,500 become available to the BPO talent pool. Further, Bangalore has 7 Medical Colleges 16 Dental Colleges, 61 Polytechnics and 292 ITIs, that no city in the country can match. Roughly, 50% of the students in these institutions are from outside the State and majority of them prefer to get employed in Bangalore itself. Availability of talent pool and city's capacity to provide employment has resulted in heavy migration into the city. Studies have revealed that for every IT job, 5 additional jobs are created.



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Consequent to migration of techies, migration of small business men and service providers like washer men, drivers, maids, and others follow inevitably. For the last two decades Bangalore has attracted young talent from all over India, making it a microcosm of global India. The migration has happened from all corners of the country and abroad even from US and Europe. * (Source: Memorandum to the 13th Finance Commission, GOK, January – 2009.)

Climate and Rainfall

Bangalore falls in the eastern dry agro climatic zone. The temperatures start rising from January to May, around 40°C is common. Thereafter it declines during the monsoon period. The humidity is lowest during the dry season and highest during the monsoon period. The winds are 8 predominantly south westerly during the summer monsoon and northeasterly during the winter monsoon. The annual rainfall averages 670mm.

SI	Indicator	City/ULB
No	moreator	
1.	Location (Longitude and Latitude)	12 ° 53'North 77°44'East
2.	Area (in Sq, Km.)	741 Sq Km
3.	Slum area (in Sq. Km.)	1.03 sq. km
4.	Demography	
	2001	35 Lakhs
	2001 census	65 Lakhs
	2021 census	100 lakhs
	2031 census	-
5.	No. of Households (2007)	-
6.		
7.	No. of Slums	597
	Notified	310
	Non-notified	287
8.	Slum population	1519001
9.	No of households in slums	19.86 Lakhs
	Percentage of Slum population covered in ULB	20%

Table 1-1, which shows an overview of demographic facts:

According to 2001 census, the total population of Bangalore city was 35 Lakhs with a density of 5,122 persons per Sq.Km. On other side, it is found that a total of 597 slums have been identified in Bangalore City with a population of 15Lakhs residing in the slums as per the year 2011, the density in slums is about 0.13 times that of the overall density prevailing in the rest of the city .The growth in the decade of 1991-2001 and in the last five years is largely due to the growth of IT and ITeS industries in the city.

Land use of the city

The landlocked city of Bangalore is today a major business hub and a flourishing IT centre. It is estimated that about 4% of the population serves the IT sector and another 4% is engaged



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in the less projected IT Enabled Sector. The Bangalore Urban District is located at the southernmost tip of the state and is surrounded on three sides by the Bangalore Rural district into which the city is fast expanding. The city is primarily governed by Bangalore Mahanagara Palike, the city corporation. The population of the city was 4,301,326 in 2001 and is estimated to have crossed 5 million in 2008 (*Source: Indiastat*).

Bangalore ranks number 1 in Human Development Index amongst the districts of Karnataka, as of 2001. This is a catchy 20% over 1991, when the district was ranked fourth (Table 2).

Indicator	2001		1991		
maicator	Index	Rank	Index	Rank	
Health	0.705	5	0.663	4	
Education	0.887	1	0.757	3	
Income	0.666	1	0.449	5	
HDI	0.753	1	0.623	4	

Table 2: Human Development Indicators for Bangalore Urban District

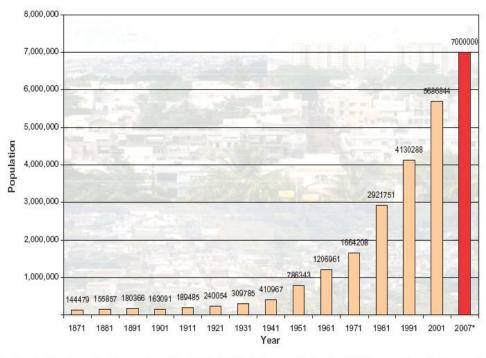


Figure 5 Population Growth of Bangalore City 1871 – 2007* (*The population for 2007 is an estimate). *Source:* Census of India (2001b).



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According to 2011 census Bangalore has a population of 85 lakhs including floating population. It is fifth biggest city in India and 3rd largest city in the world by population. As per 2011 census Kannadigas accounted for 38% of the population sizable minorities from Tamilnadu, A.P. Kerala and other northern state from the country. Kannada widely spoken official language in Karnataka and other remaining languages are Telugu, Tamil Urdu and other Languages.

The literacy rate of Bangalore metropolitan city is 79.6%, naturally higher than the state average of 66.66% as a result of the good educational facilities are available in the city.

SLUMS DETAILS OF BANGALORE CITY :

Though Bangalore in fast growing city, the growth of slums in various parts of the city is also increasing there are 597 slums including declared and undeclared slums, which are under the control of BBMP, BDA, KSDB & TMC. In slums there are about 15 lakhs of people are residing in various slums in Bangalore city alone average slum population is 20%.

<u>Agency</u>	<u>No of slums</u>	<u>No of House</u> Holds	<u>Remarks</u>
Karnataka Slum Clearance Board	218	106266	Declared
BBMP			
East Zone	65	51,305	
South Zone	65	62444	
West Zone	39	17275	
Total	169	131024	
Byatarayanapura	38	81,842	139 Undeclared &
Krishanaraja	19		14 Declared
Mahadevapura	22		
Bommanaĥalli	40		
R.R Nagar	15		
Dasarahalli	16		
Yelhanka	3		
Kengari	2		
Grand Total	<u>597</u>	3,19,245.00	

Rate and Pattern of Migration

The process of urbanization is intricately associated with migration. The direction of migration becomes unidirectional when the vast numbers who arrive in the city from the rural lands become permanent settlers, thereby initiating the process of germination of slums. These lots who become squatters in the city, come with a hope to evade poverty in the village; but in the process, they end up in another cauldron devoid of the basic necessities that they would have otherwise enjoyed in the village.



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City	Population		Exponential Growth Rate		
	1981	1991	2001	1981-1991	1991-2001
Bangalore	2,921,751	4,130,288	5,686,844	3.36	3.20

Source: Siva., Kundu, Singh, 2007

It would be worthwhile to ponder over the reasons for these trends. Bangalore, with its large IT and outsourcing industries continue to attract millions. It still remains a not-so-exploited city when compared to the four largest metros. Popular notions of scarcity of resources, crowd and security may also play a role in shaping preferences.

Spatially, the rate of urban growth in Bangalore is throbbing in the kernel of the city. The business ventures seek to exploit the extensive infrastructure facilities and transport connectivity at the centre of the city leading to a high concentration index (Table 8). It is also noticeable that the rate of urbanization in the peripheral areas of Bangalore is on fall, suggesting a trend towards contraction of the city. Added to this is the high rate of migration which together can lead to high population pressure at the core of the city.

Table 8: Growth Differentials of Core and Periphery

City	1981-	-1991	1991-2001		
,	Core	Periphery	Core	Periphery	
Bangalore	0.71	3.36	4.79	3.20	

Source: Siva., Kundu, Singh 2007

To provide perspective, the growth in the core as well as peripheral circles of Mumbai has been on decline. Satellite cities and twin cities have instead taken the place, shifting the additional burden away from the shoulders of the city's administration. Bangalore is yet to reach such a state of saturation and continues to draw loads of migrants. 47% of the city's migrants are from outside Karnataka which should be seen in light of the highly lucrative sectors the city is opening up (Table 9).

Also to be noticed is that around 49% of the population growth in Bangalore in 1991-2001 was contributed by migrants (Table 9). This should not be a surprise at a time when all the fast growing economies are expecting their entire population to converge in three or four







giant cities. In developing world, however, this poses a concern as the mechanisms of planning and resource allocation are already weak and instances of widening inequities are coming to the fore.

The idea implicit is now clear. Pressure on land and resources like water, transport and even pure air is escalating. In the Bangalore episode, the situation is made alarming with the possible contraction of the city that we just came across. The poor are covertly pulled to margins as a result of the neo-liberal and modernist policy set ups that exclude them from gaining access to these resources through commoditization and pricing. Slums should be seen as the culmination of these inter-related processes.

Table 9: Migration in Bangalore

City	In- Migrants (1991-2001)	In-Migrants as Percentage of Decadal growth	Migrants From within the State	Migrants From Outside	Migrants From Other countries
Bangalore	761,485	48.9%	52.8%	46.4%	0.8%

Nature of Housing Scenario

Housing remains one of the many key areas where the slum dwellers face exclusion. Bangalore is a city with booming real estate market. But the flipside is that the price of apartments determined by the invisible hand is beyond the scope of a slum inhabitant's pocket. Governments around the world have taken it upon their shoulders to pitch in supplementary mechanisms to deliver houses to the urban poor, especially in the third world.





Tremendous housing programmes have been undertaken by the state government and the Urban Local Bodies for the urban poor in Bangalore as a result of which the percentage of







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kuccha houses plummeted to 1.75 in 2001 as against 3.44 in 1991. Strikingly, the number of households living in one-roomed houses dropped to 38.91% from 36.6% during the same decade (Karnataka HDR, 2005). Besides a remarkably low number of dilapidated houses (Table 10), the Karnataka Human Development Report also boasts that 96.04% of the city's population has access to safe drinking water.

Table 10: Condition of Buildings in Bangalore Urban Districts, 2001

Residence Buildings					Residence	cum Other 1	Use
Total	Good	Livable	Dilapidat ed	at Total Good Livable Dilapic			Dilapidated
1,216,397	799,271 (65.71%)	385,395 (31.68%)	31,731 (2.61%)	17,115	10,363 (60.55%)	6319 (36.92%)	433 (2.53%)

Source: Census 2001

The total dilapidated houses in 2001 stand at a mere 31,731 which doesn't fit well with the number projected by the Karnataka Slum Clearance Board for the number of slum households in the city- 179,000 (as in 2003); presuming that the number of households and houses would approximate each other. The census data also doesn't explicate the number of slum houses that are contained within the number of dilapidated houses.

To resettle and shelter these 1,79,000 households would be a Herculean task. The first step is to procure accurate data on the condition of houses in the city exclusively and then proceeding to estimate the production costs. A rough estimate has already been made by the Karnataka Slum Development Board splitting up the cost of slum upgradation into its constituents including infrastructure provision and health care (Table 11).

Table 11: Estimated Cost of Slum Up gradation and Development (In Rs. Crores)

Infrastructure/Service	2006-10	2011-15	2016-20	2021-25	2026-30
Site Improvement of Slums	120	120	120	120	120
Facilities Improvement					
Community Water supply	60	60	60	60	60
Community Toilets	20	20	20	20	20
Road Improvements	100	100	100	100	100
Storm Water Drains	130	130	130	130	130
Underground Drainage	70	70	70	70	70



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Individual Water Supply	40	40	40	40	40
Individual Toilets	20	20	20	20	20
Training Unemployed youth	20	20	20	20	20
Healthcare for Women & Child	20	20	20	20	20
Total	600	600	600	600	600

Source: KSDB 2005/ STEM

The estimation is too simplistic and doesn't serve any other purpose than portraying the enormity of the problem. While the estimation presupposes that slum will continue to exist even after 2020, no effort to prioritize the existing slums for resettlement or development is seen in the effort. Further, the factor of migration has been conveniently forgotten. This is visible in the uniformity of the split-up. While the rate of migration into the city has been steady over time, the contraction of the city into its core is likely to push the existent and new squatter to the periphery, as we saw already. This marks the urgency for prioritization of the housing needs of the city.

Meanwhile, a revisit to the quality of the existing houses built under housing projects needs to be done to assess the improvement in the lives of slum dwellers. Few housing projects involve the people in decision-making processes. The role that the slum-dwellers can play in developing their slum, including construction activities, is thus ignored.

OBJECTIVES & CONCEPTS:

As per 2011 population 85 lakhs people residing in urban area. The Tremendous increase of population of slum dwellers has caused tremendous pressure on urban basic services and infrastructure, Government of India has drawn up JNNURM with a mission statement of "Reforms driven, fast tract planned development Identified city's with focus on urban infrastructure/services, delivery mechanism, community participation and accountability of urban local bodies.

OBJECTIVES OF MISSION RAY

- 1. Focused attention on integrated development of basis services to the urban poor.
- 2. Scale of delivery of civil amenities and provision of utilities with emphasis on universal access to urban poor.
- 3. Ensure adequate investment of funds of fulfill deficiencies with basic services to the urban poor.
- 4. Provision of basic services to the urban poor including security if tendure at affordable prices, improved housing, water supply, sanitation and ensuring delivery.





5. Secure effective linkages between asset creation and asset management so that the basic services to the urban poor created are self sustaining.

Diagnostic Assessment of slums

The living conditions in slums represent the pathetic conditions of urban poor. Individuals and communities living in slums face serious challenges in their efforts to survive. Severe inadequacies in access to water, sanitation, shelter, health and education has deprived slum dwellers of some of the most basic amenities. For assessing the current situation of slums, appropriate indicators are required to understand the depth of problems. These indicators are derived from RAY guidelines wherein a detailed household/livelihood survey was conducted to identify the slums which are characterized by poor quality of housing and poor infrastructure. The following sections provide insights into the real picture of slums.

With increase in population of the city, housing needs grew, which could not be met by formal housing market. Migrant population, which could not avail the facilities of suitable housing and lack of monetary support were forced to satisfy their needs by occupying both private and public vacant lands and resulted in formation of slums and more number of squatter settlements. Slums are predominantly scattered and found mostly on private lands with major concentrations/ clusters found near city core areas and near areas of employment.

The existing scenario in Bangalore has got two distinct dimensions-housing and infrastructure. Such a high residential density coupled with acute shortage and dilapidation of housing stock marred with extremely poor infrastructural conditions necessitates redevelopment and renewal works so as to improve the habitability of these areas for the urban poor. It comprises 597 slums, where most of these are built on lands under Urban Local body ownership. Over 62% of slums have existed more than 30 years in the city due to the fact that it has been one of the continuously inhabited cities in India. The total population of the slums is 15,000,00 which about 20% of the total city population. With respect to physical location, 43% of the slums are located on sites of non hazardous sites in nature. Likewise, 22% of the slums are found to be located along the major road network and railway lines and 35% along the nallahs and other drains, there by vulnerable to natural disasters. Most of the slum settlements are concentrated around CBD or any other dominant location/land use by forming larger clusters around it (as seen in map -1-1)

As evident 57% of the slums are located in core area of the city with remaining 43% in fringe area. The abutting land use surrounding the slums is found to be predominantly residential in nature, followed by Industrial and other uses.



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Picture showing the living condition of slum dwellers of Byatarayanapura

For the purpose of analyzing existing situation, the following variables mentioned In RAY guidelines were studied and reported:

- Land Tenability
- Land tenure status
- Ownership of the land
- Age of the slums

Land Tenability

Using the above variables, the settlements in each slum that are characterized by poor physical and socio-economic conditions, irrespective of land tenure status and ownership have been identified through primary surveys.

Out of 597 slums, 447 slums have found to be emerged on lands that are owned by the BBMP while the others are fall under the Railways and private ownership. As seen in the table 1-4, nearly 52% of the slums do possess a secured tenure status and an enabled pleasant living condition while 48% of the slums do not have a secured status without any access to basic amenities.

No	Status		Tenability			Tenure	
No. of	Notified	Non- notified	Tenable	Semi- Tenable	Non- tenable	Secure	Insecure
Slums		notmeu		Tenaple	tenable		
	310	287	30	7	0	24	13
No.	Age of the slum						
of Slums	0-5	6-l0Yrs	ll-15Yrs	16-20Yrs	20-25	26-	31 Yrs above
Slums	Years				Yrs	30Yrs	





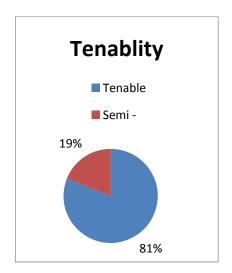
11



No.	Ownership of land					
ot	BBMP/Govt Private Railway land					
Slums	447	146	4			

1.5 Land Tenure Status

Land tenure is an important part of socio-economic structure of any neighborhood and enables entitlement of formal access to basic services. According to RA Y guidelines, tenure status is "the mode by which land/property is held or owned or the set of relationships among people concerning land/property or its product" and defines the legal status of the land. 81% of the slum lands are secured and have access to basic amenities and in possession of certificates while 19% of the slums are In-secured, which needs regularization. While identified slums have some security of tenure and fall under the purview of municipal service provision, the unidentified slums fall outside the net of formal service provision.



Distribution of Slums by Tenability Status

The land status of all listed slums/informal settlements are classified by the ULB as tenable/ or untenable in order to determine whether the land is fit for human habitation and void of health hazards. (RAY Guidelines).

Chart-1-1 indicates that the current tenability status for 597 slums as identified has been presented where 81 % of the slums are found to be tenable with the remaining 19% semitenable, thus proving to be unsafe due to the reason that the slum lands are either earmarked for any major public facilities or located on hazardous sites. This is very small in number; hence viable solution can be arrived in consultation with ULB.

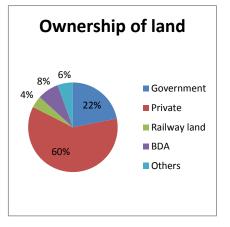


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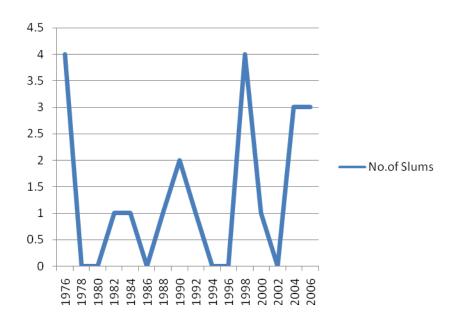
Land Ownership



Slums and squatter settlements often come up on privately owned less, making the settlers prone to demolitions and evictions. Out of the above 231 slums for which data are available, 139 or 60.2% are standing on private lands (Table 6). Devoid of land titles or formalized tenures, most of the slums are easily liable to be termed illegal and encroached. The situation worsens when the private parties themselves lack proper documents on land registration and titles making the process of resettlement even more cumbersome.

Age of Slums

Distribution of Slum by Age of the slum Age of the slum is one of the important factors to understand the condition of a slum in any city. It is interesting to note that 62% of the slums in Bangalore have been into existence more than 30 years with remaining 38% of slums are over (above) 20 years old.



1.8 Notification of the slums

According to National Sample Survey Organization, areas notified as slums by the respective municipalities, corporations, local bodies or development authorities were treated as notified slums", tends to receive higher level of services and those unrecognized by the local bodies were considered as "non-notified slums". As per the AKM data, currently 310 slums are



notified by ULB to avail higher level of basic services. As seen in *map* 1-3, 15 slums marked in red color indicates that these are not yet notified, which requires the concerned authority to ascertain that these slums are to be provided with basic amenities.

Physical profile

Slum and squatter settlements in Bangalore are growing at an alarming rate due to increased construction activities and industrial activities. The general composition of majority of slums comprises of scheduled tribes, scheduled caste, and other backward classes, forming the weaker section of the society. From habitation point of view, it can be said that the locations of slums are least desirable low lying areas that are susceptible to inundation, open drains/nallah, tank beds, and along railway lines. According to a report prepared for the Karnataka Slum Clearance Board by STEM, one-third of the slums are usually located in environmentally sensitive and filthy areas, here water stagnation breeds mosquitoes and other health hazards are considered as Hazardous/Objectionable.

The slum concentration in these areas has not only led to poor living conditions for the slum dwellers but also responsible for the general deterioration of the living environment in the city. This is primarily due to lack of proper infrastructure services in these areas and considering the fact that most of these slums are overcrowded, there is always constant pressure on the city infrastructure and resources. In this section, the following set of variables were measured to assess the existing housing scenario in terms of the structures, its type, access to electricity and other related issues so as to bring out the deficiencies:

- Location of slums and its areas
- Flood prone slums
- Abutting land use
- Housing type

Physical Locations of Slums

Out of 597 slums, 115 slums are found in the core area such as near CBD, large scale and small scale industries and remaining in the urban fringe area near agricultural lands. With respect to the physical location of the slums, around 8% are located along the major transport alignment such as National Highways while 35% along the open and storm water drains; 14% along the railway lines. On other side, 43% of the slums are on the sites of non hazardous / non objectionable areas



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Karnataka Slum Development Board



Social Profile

According to data, the total population in 597 slums is 15,19,001.00 with total number of 1,98,600 households, comprising 16% of total city households. Of the total slum population, 89% are under below poverty line (BPL) with 10098 households.

Total Population

	Male	Female	SCs	STs	Others	Others
Total population in Slum	881020	637981	934185	182280	402536	1519001

Number of Slums by Disability Status and senior citizens

As per data, the physically challenged population comprises 1 % of the total slum population, with OBCs and SC group forming the highest under social groups. Similarly the mentally challenged persons constitute 0.2% of the total population in Bangalore slums. Hence employment provisions needs to be made for those physically challenged person who are skilled enough.

In Bangalore Slums, it was found 0.6% of the total constitutes the senior citizens where in SC group accounts for 41%. For the well being of these citizens, it is essential to make due concessions and provision of adequate social facilities for the senior citizens in Bangalore slums. In addition, eligible aged persons and senior persons in BPL families that can hardly support the aged should be entitled to National Old Aged Pension Scheme (NOAPS).

Number of households by Health Condition

Poor water and unsanitary conditions leads to adverse effects on health of households living in the slums. Given the fact that Bangalore is industrial center, it is quite apparent that the slums are characterized by poor/crammed housing conditions, lack of good sanitation and contaminated water supply, thus making the households be exposed to skin irritation, respiratory problems and other diseases. Indicated in AKM, 0.03% of the slum population is found to be having HIV/AIDS while 0.05% of the population is suffering with Tuberculosis and 0.3% with respiratory problems, 0.6% with other chronic diseases.







Economic profile

The significant sectoral composition of economic base & structural changes take place within different periods influencing the city growth which cannot be denied. Advantageous geographical location and abundant productive rich fertile land has contributed majorly to the economy of the city. Bangalore has agrarian economy supplemented by handful of IT & BT Centers, Heavy industries and large & medium industries, Garment Factories & textile, leather and chemical industries.

Economy in Bangalore is based on various sectors like Industries of IT & BT Centers, Heavy industries and large & medium industries, Garment Factories & textile, leather and chemical industries. And also on the education sector, with world famous medical colleges and universities present in the city.

Livelihood profile

Two types of labor exist in all economies: skilled and unskilled. Skilled labor is the portion of workers in an economy that have specific, technical industry skills relating to business and the production of goods. Engineers, welders, accountants and scientists are a few examples of skilled labor. Unskilled labor is the cheaper and less technical portion of the workforce that makes up a large part of an economy's labor market. This workforce plays the important part of performing daily production tasks that do not require skills.

As indicated, 16% of slum population are illiterate with lack of skill and professional training, making it difficult for them to obtain skilled employment opportunities in Bangalore, hence end up doing low or moderately paid jobs on a daily basis.

The composition of work force conveys a picture of quality of life, associates with their social and economic activities. Due to increasing prominence of tertiary activities, the role of primary sector in Bangalore city has reduced. The unemployment in slum dwellers could be potentially mitigated by implementing schemes such as SJSRY, STEP UP and other livelihood oriented training programmes initiated by Govt. of India.

A majority of the working population in the slums is engaged in construction labor, vegetable vendor, beedi making, broomsticks, home based small businesses. On the other hand, women in the families are majorly involved in incense stick making and basket making and domestic help. On the other hand, slums households located in fringe are involved as agricultural laborers due to the presence of the agricultural lands in close proximity.



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Distribution of slums households by Occupation Status



As Per data, It is confirmed that 15% of Households are found to be working as casual laborers & 10% on regular wage basis as they unskilled, includes domestic help, Broomstick workers, & vegetable vendors. On other hand 46% of households are self employee & 26% is actually working on monthly salary, indicating a secured position & skilled employment. Therefore nearly 28% of the poor households do not have acess to dependable occupation & secure incomes.

This situation of Slum livelihoods need to taken into consideration in future development Programmes as there is their need for an enhanced productivity in the city.

Monthly Income by Households:-

The monthly income of 5 % households ranges between Rs. 1500 to Rs.2000 and RS.2000 to Rs.3000 is 21 %. The percentage of households that earn less than Rs. 1500 is 7%, indicating that 48% of the households belong to casual labor and belong to BPL class.

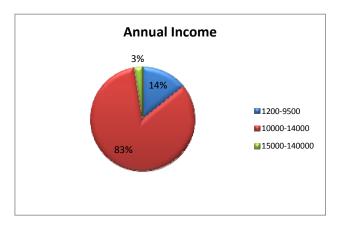
Further, the livelihood pattern has become indefinite and irregular for the households, where only 67% of them are earning more than Rs.3000/- per month. In addition, it is also observed that child labor number is rapidly increasing where a need is felt to curtail it. There is urgency in creating economic assistance which can include training, job placements, credit and technical support to small and marginal businesses, creating new society -owned enterprises, providing micro-finance facilities and loans for housing and financial assistance such as subsidies for building materials.

There is ample scope for programmes like SJSRY projects to be launched particularly STEP UP, UCDN, UWESP in most of the slums as part of livelihood promotion and leads to enhanced productivity.









For slum wise details, please refer Annexure –ID on Economic profile.

Infrastructure:

Sustainable growth of a city depends on its infrastructure facilities. Lack of infrastructure and institutional mechanism can lead to collapse of urban system in a city. Access to basic services has now become a criterion for identification of the poor areas in a city. The responsibility for urban service provision in an equitable manner lies with the ULB, where an increasing gap in service levels and the difficulties in providing the same are prevalent. Information on access to services in terms of Physical Infrastructure of Bangalore city has been collected and a brief analysis on the current status of Water Supply, sewerage, Storm Water drainage and Solid Waste Management.

Water Supply

Bangalore has adequate water supply resources due to the proximity of Upper Kaveri water sources of water.

Connectivity to City Wide Water Supply System

Most of the slum households either have direct access to services or access them through community or common facilities. Of the total slums, 51 % of it is fully connected to the city wide water supply system; 46% is partially connected. The remaining 3% of the slums do not have connectivity to city water supply system.

Existing Sources of Drinking Water

Over 81 % of the households have individual water supply connections where protected drinking water is being supplied BBMP. Hence 19% of the households do not have access to drinking water and dependent on public water taps, tube wells, and water tanker. In a slum it is observed that on an average about 15 households are sharing one public tap.







Karnataka Slum Development Board

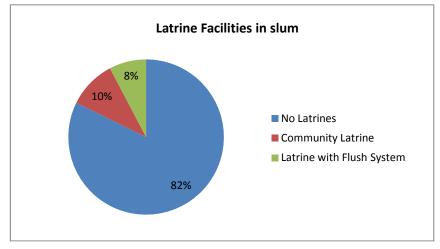
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Duration of Piped Water Supply

The duration of water supply usually is once in a day or once in couple of days where 41 % of the slums have access to piped water supply between 1 to 2 or more on a daily basis. In order to achieve 100% piped water supply it is necessity to address deficit of slums.

Sanitation

Sanitation and sewerage systems are not only the basic necessities of life, but they are also crucial for achieving the goal of "Health for All", increased sanitation coverage is directly linked to improvement of health status. Lack of sanitation is a universal problem when it comes to Slums and is markedly less than access to other basic services. While, it is worthwhile to that the proportion of people having access to sanitation in urban areas is considerably greater when compared to their rural counterparts, however the problems are more exacerbated in slums. Urban sanitation is perceived as being important because of the health factor. In case of slums, it is observed that sanitation facilities are worst and in pathetic condition.



Connectivity to City wide Trunk Sewerage System

24% of the slums are fully connected to city wide sewerage system while 16% is partially connected to the system. Even though 40% of the slums are connected to city wide sewerage system yet 60% needs to be upgraded.

Connectivity to City wide Storm water drainage System

Similarly 35% of the slums are fully connected to the storm water drainage, 46% is partially linked to the system but 19% of the slums are not covered by the city wide system. Given the situation, it is necessary to improve the system as well as provide newer connections before it infiltrates into the environment.







Drainage and Sewerage facility

Even though 13% of the households in the slums have some form of drainage and sewerage facility, still 88% of the households are not connected to a sewerage system. Due to absence of a system, the gray water and waste water from houses are directly dumped into the open nallah or nearby open drains along with solid waste, makes it overloaded and choked. Due to this discarding, water logging in the slums areas is prevalent and in turn has direct consequences on the health of households (Seen in pictures).

Type of Drainage Facility	No of Households	Percentage
No drainage	4013	88
Open		
Kutcha	313	7
Рисса	228	5
Total	4560	100

Even though 72% of the households have access to some form of toilet, it is believed the existing toilet system is considered to be of primitive stage with no proper maintenance and lacks general hygienic condition, further deteriorating the environment.

Solid waste management

Well functioning and safe solid waste management system in slum is vital so as to minimize the health hazards and the environmental pollution caused by solid waste. In many areas, garbage disposal services are jagged and sometimes not available. People are forced to live in such environment and definitely a solution has to be put in place to efficiently, safely and properly dispose of their solid waste.

The table below gives an overall picture of the current situation of solid waste management.

Table Solid Waste management (Existing Situation)

Type of Garbage Disposal Systems	Households	Percentage
No of arrangements (open dumping)	3132	70
Dust bin provided by BDA / Municipal	1428	30
Total	4560	100

Frequency of Solid waste disposal

The *table* 1-8 gives an overall picture of the current situation of solid waste management where 3% of slums have daily clearance of garbage, 8% have once in 2 days and 16% have it cleared once in a week, 14% of slums once in al5 days. Due to inadequate collection of solid waste, 59% of slums are found to be affected with insanitary conditions, requires immediate attention from concerned authority.



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Arrangement of Garbage Disposal

It is found that 46% of the solid waste disposal is handled by the BBMP staff. In areas where there is lack of solid waste disposal or collection, the arrangement is taken care by the residents/dwellers of those slums, constituting 5%. Around 49% of slums have inadequate and untimely collection of solid waste, which reflects the necessity for increased staff and regular clearance to avoid any further unsanitary conditions

Frequency of Clearance of Open drains

It is found from the survey results that 8% of the slums have daily clearance of the open drain, 16% of slums once in 2 days. It is analyzed that 76% of the slums do not sufficiently covered with clearance of the open drains, further deteriorating environmental conditions and contaminating the ground water. For slum wise details.

Roads and Street lights

The network of roads and streets in Bangalore follows a hub and spoke system with arterial roads originating from the centre of the city. This arrangement also means that all commercial activities converge to the centre of the city causing congestion. Most of the roads in the city are broad and straight with regular footpaths on either side. The lack of connecting roads with other parts in the city and within the slums poses a grave issue and affects the transport connectivity. This is one of the fundamental issues that is generally neglected in slum developments & needs through planning & execution.

Nature of Approach Road

By and large, 73% of slums are provided with Motorable Pucca roads and 19% are Kutcha in nature. On the other side, 8% of the slums have non Motorable kutch a road, making the transportation access difficult; there is a need to upgrade.

Distance from nearest Motor able road

Around 49% of the slums have access to the nearest Motorable road less than 0.5 KM, 32% within 0.5 to 1.0 KM and 14% within 1.0 KM to 2.0 KM. For 5% of the slums, the nearest approach road is at the distance more than 5 KM.

Internal road connectivity

27% of the slums have Motorable Pucca internal roads while 68% have katcha internal roads. Around 5% of the slums lack in proper internal roads with BT surface.

Social infrastructure

The quality of life in any urban centre depends upon the availability of and accessibility to quality social infrastructure. Development of social infrastructure includes education, health, social welfare, livelihood centers and recreational facilities, instrumental in contributing to substantial improvements in physical quality of life, which in turn, initiates and accelerates





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economic development in a city. The following are a list of elements that forms the social infrastructure:

- Educational facilities
- Health facilities
- Community halls & rooms
- Livelihood centers
- Youth centers
- Social welfare facilities
- Old age homes
- Night shelter
- Parks
- Public utilities such as fire services

Following section details out the current level of social infrastructure available as well as accessible to the slum households.

Educational facilities

As per data 65%, for slum households, the nearest distance to pre-primary schools run by different agencies are located maximum within the slums and 0.5 Km from the slums. About 35% slums have pre- primary schools run by government are located within the slums.,

Health facilities

Many of the health problems in urban slums stem from the lack of access to or demand for basic amenities. Basic service provisions are either absent or inadequate in slums. Lack of drinking water, clean, sanitary environment and adequate housing and garbage disposal pose series of threats to the health of slum dwellers, women and children in particular, as they spend most of their time in and around the unhygienic environment. Inadequate nutritional intake due to non-availability of subsidized ration or availability of poor quality ration makes the slum dwellers prone to large number of infections and lack of education or information, further aggravates the situation.

As per data, 51 % of the slums do not have primary health facilities, 70% constitute private clinics, 57% forms registered practitioner, 46% have government hospitals and 46% have urban health post. Health as well as medical facilities is provided and is serving the ailing people belonging to the slum areas.

Social welfare facilities

Similar to the above sections III social infrastructure, available social welfare facilities in 597 slums is 65%. The slums out of have facility of community halls; 16% of the slums do not have slum dwellers association however 51% of the slums have women's associations to empower women with home based employment. In addition, the slums do have self groups as well as credit societies.







ACTIVITIES OF KSDB

Karnataka slums development Board is designed as an apex body at the state level and function under the control of housing department KSDB constituted in the year 1975 as per KSDB Act-1973. As per the act the D.C of district notifies a slum under section 3 and this comes under the control of KSDB.

KSDB has been entrusted with function of prevention of new slums coming up as well as taking socio-economic survey of the slums to study the socio-economic conditions of the slum dwellers. These primary objectives have been further disaggregated into a number of operational objectives such as :

- 1. Slum identification and plan of improvements
- 2. Socio-economic surveys
- 3. Rehabilitation of slum dwellers
- 4. Enhancement of living conditions of slum dwellers
- 5. Enforcement of orders with respect to unauthorized constructions, administrations
- 6. Betterment of living conditions of slum dwellers.

VISION OF KSDB:

KSDB in constructing houses and infrastructure to the slum dweller to uplift the standard of living in urban poor slums and to improve.

- 1) Environmental improvement, social & Economic development slums.
- Enable the Slums dwellers to live in good hygienic condition. 2)
- 3) Presenting formation of new slums and providing better facilities to exit sting slums.
- 4) Providing shutters and basic amenities to all people living in slums and make free society in next 25 years.

ACHIEVEMENT OF KSDB

The KSDB successfully implemented housing Projects under VAMBAY Scheme, the board has constructed 30,000 houses under the VAMBAY Scheme and allotted to the real beneficiaries.

KSDB Plan under RAY

KSDB is fully geared up to meet the objectives under JNNURM in ensuring complete service delivery to the urban poor. With its past experience and expertise KSDB will design adequate projects to realize the vision set for itself in making 'SLUM FREE " cities.

HYGENIC AND HEALTH CONDITIONS:

Diseases like stomach ache, vomiting, dysentery, Anemia, cold, fever, coughs, are all water borne diseases these mainly acc Bangalore acquired due to unclearness and water contamination.



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2. PROJECT DEFINITION , SCOPE & CONCEPT

CHAPTER-2 PROJECT DEFINITION, SCOPE AND CONCEPT

2.1 MOHUPA, GOI, has selected Byatarayanapura Area located in geographical coordinates: 13° 0′ 2″ North, 77° 40′ 32″ East, Bangalore city under RAY project and it proposed to make the Constituency slum free by the end of the 12th five year plan.

Due to lack of well built housing structures and inadequate physical infrastructure, there is a need to improve the living conditions of the Byatrayanapura Area.

The Kuvempunagar slum have been selected for the DPR towards the development of housing including infrastructure under RAY

Sl no	Name of the Slum	No of families	Houses proposed under RAY scheme	Area of extent (in Acres- Guntas)	Ownership of land	Declared / Un- declared / identified
01	Kuvempunagar	3000	666	24.00	Govt	Identified
	Total	3000	666	24.00		

It is proposed to provide nearly 666 including both individual units as in-situ development housing under RAY to make Bangalore slum free city. This slum is (identified) in Byatarayanapura area have been selected for housing under the RAY.

SI No.	Name of the slum	In-situ Development
1	Kuvempunagara Byatarayanapura Area ,Bangalore City	In view of pathetic condition & vulnerable nature of the existing these slums it is proposed under incremental housing construction, slums of Bytarayanapura area has been selected on the need basis. The Kuvempunagara Slum comprising existing 3000 Households with 2334 nos of Pucca houses constructed by slum dwellers on their own and with the help of various Government schemes, whereas 666 nos of Kacchha houses are proposed to be constructed as Ground units.





KUVEMPUNAGARA SLUM

Kuvempunagara slum is 19 kms from the Bangalore city located in Byatrayanapura Area Ward No. 11. Slum is in existence since 30 years in an area of 1A 36G and 3000 families belonging to different sections of the society live here.

The dwellers are living in tin sheds/huts with lack of basic amenities, infrastructure, hence is imperative to implement 7 point charter in provision of housing, drinking water, sanitation, road and social benefits to the proposed slum.



2.2 PROPOSAL UNDER RAJIV AWAS YOJANA

Government of India announced Rajiv Awas Yojana (RAY) for the slum dwellers and the e urban poor on 6th August, 2009 with a vision of "Slum Free India". The Scheme is aim med at providing support to states that are willing to provide property rights to slum dwellers.

The Programme envisages that each State will prepare a Slum Free State Plan of Action identifying Priority Cities Intended to be covered under RAY in First Five Years for Preparation Slum Free City Plan. It is expected to commit for a "Whole City" and "Whole Slum" Approach in preparing Slum Free City Plans.

The Programme calls for a multi-pronged approach focusing on:

Bringing existing slums within the formal system and enabling them to avail of the same level of basic a amenities as the rest of the town;

Redressing the failures of the formal system that lie behind the creation of slums and Tackling the shortages of urban land and housing that keep shelter out of reach of the urban poor and



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force them to resort to extra-legal solutions in a bid to retain their sources of livelihood and employment.

Bangalore city Corporation Initiated the Task for Preparation of Slum Free City Plan .Same is under progress.

2.3 SCOPE

The Detailed project Rep port is aimed to Provision of Housing and B Basic Services with focus on integrating Implementation n of 7-Point Charter. The 7 point charter includes:

- 1. Security of Tenure at Affordable Prices.
- 2. Improved Housing g
- 3. Water Supply
- 4. Education
- 5. Health
- 6. Social Security

Tenure Security is part of the Ray process in the prioritization of slums and housing, water supply, sanitation are the basic needs in compulsory provision to the slum if the ere are not provided/ well connected, is done as part of DPR preparation where as the provision of physical facilities like school, health care centers and other community facilities is taken care by the state and central government scheme.

The detailed project report is basically prepare with the active community participation of slum dwellers in focus group discussions, Micro planning and Listing of beneficiaries and Consent and Endorsement of Development Options by Beneficiaries.

2.4 GOAL

Rajiv Awas Yojana (RAY) for the Slum Dwellers and the Urban Poor envisages a 'Slum-free India' through encouraging States/ Union Territories to tackle the problem of slums in a definitive manner.

The Scheme is aimed at providing support to states that are willing to provide property rights to slum dwellers.

2.5 OBJECTIVE

To integrate the slums into the economic and social network of the city. To provide affordable housing and basic infrastructure facilities and amenities for the slum dwellers in form of up gradation, redeveloped and relocation of slums.







To include people in the planning, implementation, monitoring, financing, and maintenance of slum in the form of community participation.

To strengthen institutional arrangements and build local capacity building to ensure operational zing, equipping and running the facilities provided in the slums.

It calls for a multi-pronged approach focusing on:

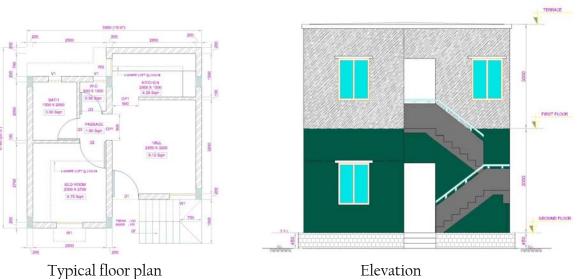
- Bringing existing slum within the formal system and enable them to a basic amenities;
- Redressing the failures of the form al system that lie behind the creation of slums; and
- Tackling the shortages of urban land and housing urban to retain their sources of livelihood and employment.
- City Slum Free City Plan of Action take into consideration not only the present status of slums and priorities of slum dwellers but also the resources and capabilities of the city in improving the quality of life of the urban poor to be partners in the development process. All urban development initiatives have an impact on the poor within the city.
- It has been recognized that the process of city planning and city governance has largely exclusive. The Process of preparing and implementing slum free city plan of action will involve learning by doing in partnership with slum communities themselves.
- The plan of a action will contain city, zone, ward and slum level approach. The Slum Free City Plan of action would include two strategies: Improvement of Existing Slums (Curative Strategy); and Prevention of Formation of new slums (Preventive Strategy) by organizing supply of a affordable housing for the urban poor the beneficiaries.



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The Typical proposed Ground units plan with 25 Sqmts carpet area



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Karnataka Slum Development Board



3. SLUM FREE CITY & ITS PHASING

CHAPTER. 3 SLUM FREE CITY PLAN AND ITS PHASING

The major factors that influence the design of upgrading programs are scale of the problem, the severity of conditions, tenure, and relevant support for social and economic development, community participation, the institutional framework, the financial structure, political will, and good governance. As part of community up-gradation, there are factors that need to be considered in the planning and implementation of initiatives. Most of the up-gradation programmers undertaken throughout the world are one of three types: provision of basic infrastructure to the community, tenure security, and comprehensive up-gradation. The appropriateness of their use is driven by the status of existing conditions in the slums.

First component is provision of basic infrastructure to the slum households. Improvement of basic services is necessary when the environmental conditions and physical infrastructure are poor, but tenure is relatively secure. For improving the services, both the physical and social infrastructure elements such as sanitation, water supply, drainage, and often some community facilities are taken into account. This type of program tends to cost less per capita than more complex programs. The improvements can be financed easily by a program like RAY.

The second component is the incremental buildup of tenure security when the land tenure status is found to be insecure. In these circumstances, lack of tenure is a threat to the security of livelihoods, and a significant barrier to households investing in upgrading their own homes. The threat of forced evictions also looms over such settlements. In such cases rapid tenure regularization may lead to increased land values and, as a consequence, market driven displacement of beneficiaries. An incremental approach based on a 'continuum of land rights' and flexible tenure arrangements would be recommended,' Temporary occupancy rights, lease agreements, possession rights, anti-eviction rights are among flexible and effective tenure systems that do not place unrealistic demands on local governments with weak resources, do not disrupt municipal land markets, and provide beneficiaries with adequate and incremental security of tenure. When and where it becomes appropriate and affordable, lot titling through the sale or allotment of land should be considered as a way of providing the strongest form of tenure security.

The third type of upgrading program - a mixture of the previous two - is comprehensive upgrading. It combines both provision of basic infrastructure and tenure security. It is appropriate where environmental conditions and physical infrastructure is poor, where population densities are high, and where tenure is insecure.

The comprehensive upgrading program is relatively complex and time-consuming because it has more administrative requirements, implicates more stakeholders, and depends on greater community involvement.

In order to best apply RAY' objectives and create Bangalore a Slum free city, an imperative slum rehabilitation strategy would be necessary depending on the expected outcomes from the findings or analysis of existing slum situation in a city. The rehabilitation strategy comprises of several components such as:



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- Physical targets relocation, in-situ and up gradation
- Law and legislation for slum dwellers
- Stakeholder/ community participation
- Financial framework
- ➢ Institutional mechanism

The following flow chart details the rehabilitation proposed for slum free Bangalore .

Physical Targets	 Relocation In- Situ development Up- Gradation 				
Law & Legislation	•Formulation of Draft law				
Stakeholder & Community					
Financial plan	•PPP Model				
Institutional Mechanism					
Slum Rehabilitation Strategy					

Physical targets

For slum rehabilitation, the top most priority would be given to the redevelopment! Rehabilitation of identified slums and measures to prevent future slums. The following three options of redevelopment that is categorized based on housing tenure, tenability, physical location, density and ownership:

Relocation mode

- Depending on the physical location of slums such as hazardous sites and environmental conditions and where there is no alternative
- Involves communities in identification of alternative sites
- Ensures that education, health, transport, basic services and infrastructure and provided before relocation

In situ Slum redevelopment mode

• Involves redevelopment of whole site to provide more living space and improved environmental conditions such as those in high density areas.



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- Provision of transit accommodation and including of all residents, especially the extremely poor critical to success
- In this mode, new mixed-use mixed income communities can be created with a viable cross-subsidy model, which is a function of local land values, socio- economic needs and general context of the area,
- In-Situ Slum Up-gradation
- Involves a mixture of provision or upgrading of service and infrastructure levels, incremental housing improvements or selective replacement of katcha houses

Law and legislation

An appropriate legislation is a necessity to achieve and implement the development strategies formulated for Slum Free Bangalore. RAY promises a secured housing, provision of urban basic services helps the slums to become "slum free" through rehabilitation strategy. Legislation forms an important tool for Govt to assign property rights, provide basic services and achieve the holistic mission of RAY. Hence, suitable implementable and customized legislation forms an integral part of Slum rehabilitation strategy.

Stakeholder/ community participation

It has been proved by several previous schemes for slum development that community /stakeholder participation is a key aspect in implementing rehabilitation strategy to achieve Slum Free Bangalore. Community Participation calls for a strong and active participatory chain which would be involved throughout the implementation of RAY starting from surveys until project implementation and monitoring. This particular strategy would actually make the slum dwellers realize the motive behind the programme as an opportunity to raise their standard of living, achieve higher dignity and provide better facilities for present as well as future families. Community participation strategy is a promising bridge between the governments and the beneficiaries to understand the mutual benefits of the programme.

Financial framework

RAY has posed a significant challenge to the state, ULB and beneficiaries by announcing its 50% contribution towards the project. This calls for development of exclusive financial development strategy to meet the remaining 50% finances through various sources and mechanism. The alternatives as proposed by Govt. of India. The development strategy has been finalized after careful observations/scores that have been evolved through derived matrix preparation according to the Govt. of India guidelines. The strategy would enable the most needed slums to be taken care in first year in a strategic manner and continue to do so in the coming five years. The strategically financial framework would enable the project implementation smoothly without any finance hurdle.



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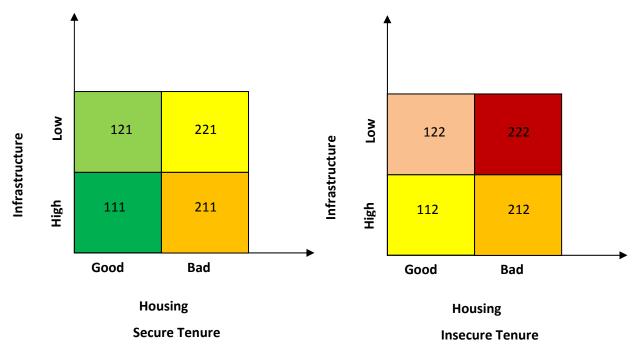
Institutional mechanism

RAY is a challenging task right from policy making until project implementation and monitoring. However the city should comprise of several teams which have to be coordinated within each other and successfully channelize step by step. The roles vary from Center, State, ULB, Slum clearance boards, RAY technical cell, NGOs and other associated agencies. The city should be able to actively involve the various agencies with various tasks as the programme advances yearly. There has to be hiring done at necessary levels/positions to complete coordination cycle. Hence institutional mechanism enables and proves to be a significant strategy for slum rehabilitation.

It is a necessary exercise to assess the existing slums to propose for a development strategy. A matrix analysis was prepared for Bangalore slums to identify the level of urban services. The matrix details the deficiency in the overall infrastructure and housing services among the slums.

Deficiency Matrix

According to RAY guidelines, a deficiency matrix for the existing slums is prepared using the scoring and ranking method. The matrix is based on three important parameters: Housing, Infrastructure and Tenure. Within these, Housing and Infrastructure are the physical parameters that are directly related to the existing quality of the housing condition.



Density based on the above individual scores, a final composite score for each slum is calculated using the parameters of security of tenure, housing condition and the infrastructure level. Once the score is obtained, the slums are then classified into:

- Good housing with good infrastructure
- Good housing with bad infrastructure



- Bad housing with good infrastructure
- Bad housing with bad infrastructure

In reference to RAY guidelines, settlements without any security of tenure are considered most vulnerable and therefore should be given priority in selection for improvement. In addition, settlements with bad housing bad infrastructure are also given priority for choosing the most appropriate development options. With the above classification method, suitable mode of development is selected for each slum. Once all the slums are synthesized and assigned with overall score, the slums will be categorized further based on the degree of deficiency for the three modes of redevelopment.



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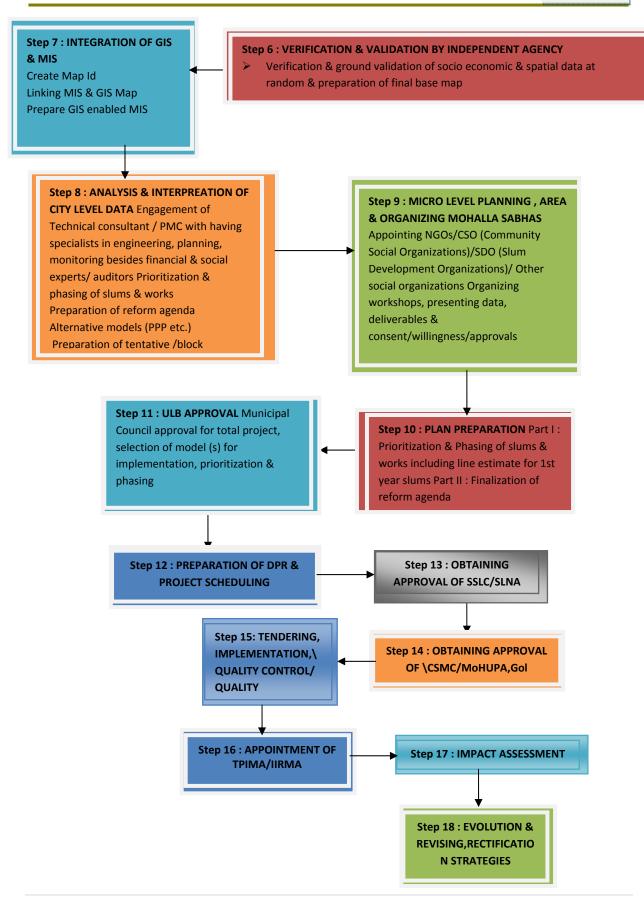
Detail Methodology Diagram

Appointing experts, social, MS,GIS & capacity Step: 1 SLNA, CLNA, Establishing Technical cell for planning project building & research documentation , capacity building, implementation & monitoring Step: 2 Preparation of city & slum profiles Collection of existing Base map • Prepare Zone\circle \ Ward maps Listing of Slums (Notified & Non-notified) Marking of slum locations on Zone \circle\ward maps notified & Non-notified in separate colours Identification & mapping of surrounding Step: 3A SOCIO ECONOMIC SURVEY IN SLUM AREAS Step: 3B PREPARATION OF BASE MAP Finalization & printing of survey formats in local language Mobilization GIS team & training (NBO Format) Procurement of Cartosat – II, Quick bird or other ⊳ Identification of stakeholder s images ≻ Training of trainers Capturing different thematic layers like building, ⊳ Training of survey team roads, railways etc., ≻ Sensitization of community Preparing Zone/ grid circle maps ⊳ Involve community (SLF) CBO's Delineation / marking of slum boundaries ≻ Carrying out survey work Preparing of slum \ Base maps ≻ Cross checking of survey data by supervisors Finalizing of filled up forms by supervisor's Step 4 : MIS & Data entry Step 5 : GROUND MAPPING Mobilization MIS team & training \geq Marking parcels Training on MIS user manual Capturing utilities ⊳ Updating data Preparation of revised slum Identification of Gaps in the data ≻ map Resend them for further improvisation















With respect to Bangalore, the above methodology in *chart* 2-4 is being followed for preparation of Slum Free City Plan, starting with:

Step-I: Establishment of a slum free technical cell at the state nodal agency level for city for planning, documentation, capacity building and monitoring the POA through selection of professionals from various departments and disciplines.

Step-2: Preparation of city and slum profiles involves collection of secondary information such as CARTOSAT II images and relevant slum information. Next preparation of base maps to an appropriate scale using GIS application. In addition, identification and inventory of all slum clusters along with inventory of all possible vacant lands in each zone and that could be used for slum redevelopment! Rehabilitation development purposes

Step-3A: **Socio Economic Survey in slum areas**: reputed NGO/CBOs were selected for conducting socio economic surveys and data validation. Identification of survey personnel from nearest slums with local knowledge and extensive training to be provided for survey personnel by the local organizations on survey formats as specified by MoHUP A.

Step-3B: Preparation of GIS based maps involves mobilization of GIS team and training, acquiring Satellite images for the cities and creating geo-databases with required spatial layers such as roads, buildings, land use and capturing utilities. In addition, involves preparation of base maps, thematic maps and slum maps.

Step-4: MIS & Data Entry involves collection of data of slum dwellers, compilation and collation of primary data, preparation of a robust Slum-wise, City and State Slum Survey Database and Baseline Reports. In addition, the MIS team is responsible for identifying data gaps validation, resend them to the concerned authorities and updating the database.

Step-5: Ground Mapping involves survey personnel team to map the parcels, capture utilities and updating the revised slum maps.

Step-6: Verification and Validation by Independent Agency on socio-economic, spatial data and base maps on a random basis. [RAY: Slum Free City Planning, Bangalore]

Step-7: MIS includes Integration of Slum MIS with GIS Maps to enable the preparation of GIS-enabled MIS maps for the preparation of meaningful Slum Development Plans and Slum-free City.

Step-8: Data analysis and decision for Slum Redevelopment Plan based on models like PPP development, infrastructure provision only, community-based development through involvement of the community mobilization and dialogue for deciding the model to be adopted.

Step-9: Micro level planning & organizing workshops with community stakeholders for prioritization of slums and the mode of development.

Step-10: Plan Preparation- Prioritization and phasing of slums and works including line estimates for l st year slums.





Step-II: ULB Approval involves prioritization and phasing of slum rehabilitation models.

Step-12: Preparation of Slum-free City Plan and DPR should include strategies for the prevention of future slums, including reservation of land and housing for the urban poor. The Plan should contain timeline of activities for achieving slum-free city, phasing information and financial estimates against each of the activities.

Step-13: Obtaining approvals from ULB and other concerned authorities

Step-14: Obtaining approval of SLSC/ SLNA/ MoHUPA

Step 15 & 16: Tendering process, implementation of proposals and appointing of TPIMA team

Step 17: Impact Assessment

Step-18: Revisions and rectifications of the strategies, reforms.

Designing an Integrated layout

Integrated Layout

An Integrated Layout to help the project get assimilate into the urban fabric of the city and be self sufficient.

• Compact Block Design

Block design is very compact as one staircase serving eight dwelling units which helped in minimizing the common areas, so promoting maximum use of land and increasing the Residential density of the area

• Dwelling unit Design

The dwelling units are provided with two habitable room's one Hall and one multipurpose room with Cooking Alcove & Balcony. The dwelling units are provided with individual toilets. Every dwelling unit will be provided with Tap connection and every block of the buildings will be providing with Water Tank on the Terrace.

5. Rainwater Harvesting

All the Roads and Paved Common Area as are provided with storm water drains. The Disposal of Storm water is done up to a nearest Natural Stream.

Drains from Terrace are connected to Proposed Water Recharging Pits for Ground Water Recharge bay tapping Roof Top water which will improve Ground Water Table.

6. Operation & Maintenance Mechanism

A model of Operation and Maintenance of the Proposed Redevelopment Sites has been



developed with participatory Approach. The Model Segregates O&M in three Levels

- Dwelling Unit Block Level
- Neighborhood / Community Level
- City Level







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4. MEANS OF TRAINING CUM AWARENESS & LIVELIHOOD ACTIVITIES & ITS INTEGRATION

CHAPTER;4 MEANS OF TRAINING CUM AWARENESS & LIVELIHOOD ACTIVITIES AND ITS INTEGRATION:

Majority of people living in this slum are migrant workers from Tamil Nadu and Andhra Pradesh and speak Tamil, Telugu, Urdu and Kannada and are living in temporary /Kucha huts without basic requirements of houses, toilet, UGD, planned road network, social amenities and other infrastructure facilities. Beneficiaries are mainly engaged in masonry, carpentry, tailoring, cobblers, vegetable and fruit vendors, bar benders, doop stick makers, daily wage earners and housemaids.





Living status of Community





File photo shows the means / different kind of livelihood activities of slum dwellers.

By Developing and providing housing with necessary Physical and Social infrastructure viz., water supply, road, electricity, health center, school/ anganawadi, community hall, work Shed etc. and providing Training cum Awareness programs and livelihood support activities, linking them with banks, micro financial institutions etc the livings condition of these slum dwellers are to be developed. We have training and awareness plan for Health & Hygiene, Health Camps, Water cum sanitation, Rain water Harvesting, Child Rights, Self Help Groups, Disaster management exclusively for fire accident, Net working, RTI and RTE, Convergence of Line Dept's. Women Empowerment, Youth awareness and Environmental Issues Etc, and at the same time we have Income Generation Cum Livelihood activities



ith technical support from

implementing agency



through EAP (Entrepreneurs Awareness programs), EDP (Entrepreneurs Development Programs) and SEDP (Skill Entrepreneurs Development Programs) activities



Socio Economic survey carried by the staff of KSDB

NEED FOR SOCIAL INFRASTRUCTURE:

Through consultations with the opportunistic community, it is inferred that the social Infrastructure is the most crucial need. Every individual of the community should get access to facilities like housing, safe drinking water, shops, community center, livelihood centre, anganwadis, parks, medical clinics, recreation centers etc, in the living area. Keeping this in view the slum has been selected under RAY Scheme to facilitate the same to attain one of the MDGs (Millennium Development Goal).

PARTICIPATORY APPROACH/COMMUNITY MOBILISATION:

The community participation is envisaged at various stages of socio-economic survey, planning and designing. This process is initiated by KSDB staff and Project Implementation Unit (PIU) by frequent visits to slums to understand the community, culture and its livelihood pattern. Slum dwellers have been interacted through community consultations, FDGs and awareness was given and was briefed about benefits of the Projects and identified their needs and concerns. Subsequently local leaders were also approached for their involvement and briefed about RAY's participatory process needed for effective implementation of the project.

The PIU team explained the community members about the process of slum in-situ development under RAY and responsibility of the community in paying beneficiary contribution and ensuring quality of construction. It was also discussed about formation of Community Based Organization for collective efforts for successful implementation and sustainability of the Project. The dwellers were persuaded for GF model of dwelling Units.



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Coordinative efforts of PIUs and Technical staff of KSDB in community mobilization





Board staff involved in motivating the community on G.F model

Through socio-economic survey identified beneficiaries and ensured that no house hold have been left out.

Under this Project it is proposed to have...

- Mainly Shelter to all: RCC building for each of the family.
- Education: Construction of Anganwadi building.
- Counseling Services- Health and hygiene, livelihood (who need assistance to plan for the future), domestic violence.
- Linkage Services: Liaison with other government departments to leverage the benefits of other social security schemes to rehabilitate the community to lead a dignified life on par with the main stream of the society.
- Capacity building: Awareness and Vocational training, support and placement in diversified occupations are required to be done. Livelihood and vocational training to be provided free of charge. While selecting training activities equal opportunity will be given to both men and women. These will be attended in coordination with ULBs. Ref. No. 7.1.5 of Rajiv Awas Yojana Guidelines by MoHUPA states that support for capacity building. Preparatory



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implementing agency



activities, IEC and Community Mobilisation, Planning, administrative and other expenses (PA & OE).

Sl No	Training & Awareness program	Livelihood Development Program
1	SHG Concept	Tailoring Training
2	Social Security	Embroidery
3	Legal Assistance	Agarbatti Making
4	Awareness on Health & hygiene	Flower making
5	Skill up gradation programs	Candle making
6	Gender issues	Computer courses
7	Importance of Education	Spoken English
8	Awareness on child beggary & child Marriage	Beauty Parlor
9	Child care, girls child education	Crèche Services
10	Community Participation	Mobile phone, Radio and TV Repair
11	First Aid	Driving
12	Nutrition and Diet	Book Binding

PROPOSED DEVELOPMENTAL ACTIVITIES UNDER IEC

Soon after the commencement of project IEC activities will be carried out for the sustainability of the community.

- Health Facilities: To carry out health camps and other health related activities health centre to be constructed and First aid kits must be made available and health facilities be accessed.
- Community Based Organizations: Community based organizations will be formed to bring under Community Development Network for the utilization of Community Participation Fund. Strengthen the Neighborhood Community groups and facilitate them to proper implementation and utilization of the Project.

OPERATION AND MAINTENANCE ARRANGEMENT

Community based organizations and beneficiary committees will be formed in project area on the lines of private apartments for maintenance of assets created under Project. In addition the infrastructure viz., roads, drainage, etc., would be transferred to ULB's and slum would be denotified.



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5. DESCRIPTION OF PROJECT

CHAPTER-5 DESCRIPTION OF PROJECT

SLUM SURVEY

Identification of Slums for DPR

The slums are identified by considering the focus on integrating implementation of 7 point charter in provision of housing and basic infrastructure and community facilities to slums. It is proposed to provide nearly 666 individual units as in-situ housing under RAY to make Bangalore slum free city. This Kuvempunagara slums have been selected among 17 existing slums (both - declared, identified) in Byataryanapura area have been selected for in-situ development housing with supporting infrastructure for the RAY Project

Criteria for selection of Slums for DPR

- Tenure Status of Households in Slum In -secure Tenure Households are more vulnerable hence will be implemented in priority than semi secure tenure and secure tenure households.
- Ownership of Slums Public Owned Land slums will have more priority than Other Ownership.
- 3X3 3X3 Matrix Condition Status Priority on the basis of Vulner ability
- Existing Trunk Infrastructure Availability Priority to slums having connectivity to City Level Trunk Infrastructure of Water Supply, Sanitation and Road Connectivity.
- Willingness of Slum Community gathered through FGD's

<u>Slums selected for the Detailed Project Report in BYATARAYANAPURA AREA IN-</u> <u>SITU SLUMS</u>

Sl no	Name of the Slum	No of families	Houses proposed under RAY scheme	Area of extent (in Acres- Guntas)	Ownership of land	Declared / Un- declared / identified
01	Kuvempunagar	3000	666	24.00	Govt	Identified
	Total	3000	666	24.00		

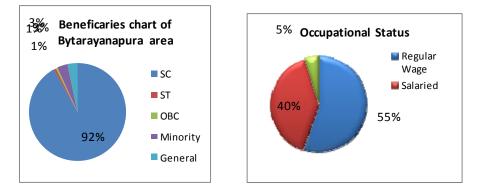


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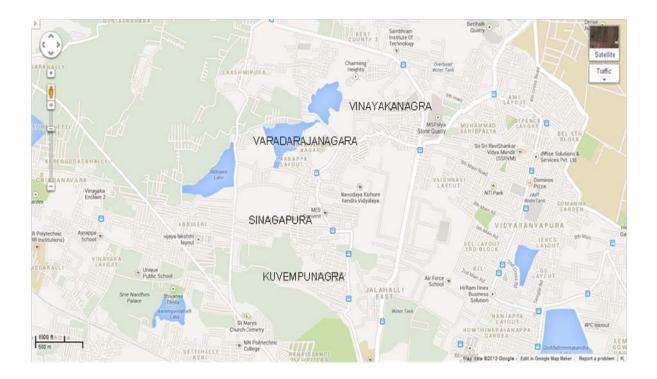


SOCIO ECONOMIC PROFILE OF THE BENEFICIARIES IN FOUR SLUMS



Slum Planning

It is proposed to provide nearly 666 dwelling units as in-situ development housing under RAY to make Bangalore slum free city. This Kuvempunagara slums (identified) in Byatarayanapura Area have been selected under the RAY Project.



The selected / identified slum are proposed to be taken up for in-situ housing which is proposed to construct new structure in place of existing Kachha houses with individual RCC framed ground floor structure having foundation provision for 1 floors above for the future expansion by beneficiaries to have additional tenability area for the benefit of the beneficiaries , whereas Kuvempunagar is proposed to be taken up for development under RAY , with basic amenities such as housing, electrification, water supply, roads, drains, etc.



implementing agency



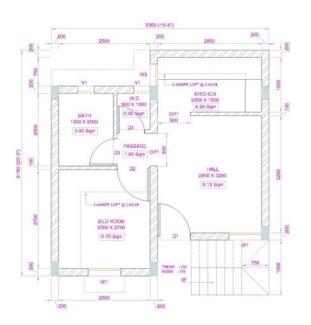
Which is proposed to constructing GF models to accommodate the all beneficiary in new layout.

Community Mobilization

The slum dwellers who were in these slum locations have been interacted and they are agreeable to in-situ housing model of dwelling units structure, hence It is proposed to construct about 666 dwelling Units under RAY project. They (666 DU's) are meant for beneficiaries of selected four slums and urban poor's as identified city assembly member.

IN-SITU HOUSING

The concept is to adopt norms prescribed as per the toolkit under RAY for housing and propose to provide ground units with 25 Sqm carpet area comprising using RCC Frame structure and with solid cement block walls based on the IS-456 code of practice including shuttering, the housing units have been designed with the following area for each dwelling unit ..



Hall	=	9.12 Sqmt
Bedroom	=	6.75 Sqmt
Kitchen	=	4.28 Sqmt
Bath	=	3.00 Sqmt
Wc	=	0.90 Sqmt
Passage	=	1.80 Sqmt

Total Carpet Area = 25.00 Sqmt

The Detailed Architectural & Structural provisions and parameters as follows.

a) <u>HOUSING</u>

- 1. RCC Columns framed structure with Isolated/eccentric footings designed as per soil condition and the unit and layout plans as per the guide lines of the RAY tool kit/ JNNURM-BSUP.
- 2. Flooring with ceramic/Semi vitrified tiles
- 3. Box section steel windows







- 4. 30mm thick flush/paneled/GRP sandwitched shutters
- 5. Internal Water Supply plumbing works,
- 6. An external UGD from individual house are connected to the net work and there after the sludge is treated with DEWAT system and treated water is used for arboriculture.
- 7. Lump sum provisions are made for preparation DPR, appointment of PMC and also cartage charges.

b) COMMUNITY FACILITIES

Not considered in view of existing in-situ development under incremental housing proposal.

c) AREA DEVELOPMENT & INFRASTRUCTURE (Planning and Design)

Considered in view of existing in-situ development only the connectivity from the source to the proposed construction under incremental housing proposal as per RAY Norms.

d) ENVIORNMENTAL ASSESSMENT AND MANAGEMENT :

Not applicable

e) DISASTER MANAGEMENT AND MITIGATION.

These slums proposed are in the heart of the city are in CDP area. The proposed layout/ site are located in residential zone.

1. Earth Quake: city does not come under seismic zone and not vulnerable to earth quake.

2. Land Slide: The land is fairly level and there is no chance of landslide.

3. Floods: There is no history of flooding since the land is not located near river or tank.

4. Fire Hazardous: If by chance fire is broke out in the area, there are sufficient roads with width to encounter the accident by fire fighting vehicles. Fire hydrant values are also proposed.

KUVEMPU NAGARA SURVEY LAYOUT

Construction of 666 Houses & Infrastructure works under Rajiv Awas Yojana (R.A.Y)



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PROJECT ESTIMATE - BRIEF

Estimates are prepared for the selected slum, an integrated approach would be adopted with provision of housing, basic civic infrastructure and social amenities and also connectivity to city civic infrastructure from the existing schemes and programmes of State/ULB/Centre. These costing is based on the latest KPWD Schedule rates in the respective divisions. The specifications for the Housing estimate is based on the given Architectural & Structural drawings and local parameters, whereas provision for infrastructure is in need basis and as per actual requirement including all basic civic infrastructure and social amenities like water supply ,sewerage, drainage, solid waste management approach and internal road, street lighting etc.,.

The guide lines for the preparation of Detailed project Reports and estimates are based on the following Revised Guidelines (September 2013) of the RAY as per clause 8.0, 8.2, 8.3 & 8.9 P-12 -13

- There will be an upper ceiling of ₹51akh per DU for cities with population more than 51akhs. This ceiling would be at ₹ 4 lakhs per DU for smaller cities with population less than 51akhs. In North East (NE) and special category States, upper ceiling would be at ₹ 5 lakh per DU irrespective of population of the city. Upper ceilings, as above, would also include cost of civic infrastructure and social amenities.
- 2. Cost of civic infrastructure and social amenities per DU should not exceed 25% of the cost.
- 3. Beneficiary contribution as per guidelines
- 4. O&M Fund should be made provision in the DPR to be utilized as a corpus and placed at the disposal of the ULB. Central Government will contribute one time to this fund in the applicable ration for the city Central Government will contribute one time to this O& M fund in the applicable ratio for the city i.e. 50:50 for cities with population more than 5 lakh, 75:25 for cities with population less than 5 lakh and 80:20 for cities in North eastern and special category States.
- 5. The DPR's is having financial & revenue model including commitment of State/ULB share required to complete the Projects as per the RAY Guidelines







Approved Funding Pattern

	Type of City/Urban		Con	tribution o	of	
Category	Agglomerations (UA) as per 2011 Census	Component %	Centre %	State %	ULB %	Beneficiaries %
A	Cities/ UAs with Population 5 lakhs	Housing	50	25	-	25
11	and above	Infrastructure	50	25	25	25
В	Cities/ UAs with having Population	Housing	75	15	-	10
D	less than 5 lakhs	Infrastructure	75	15	10	0
	Cities/ UAs in North-Eastern	Housing	80	10	-	10
С	Region & special category states (Jammu & Kashmir, Himachal Pradesh & Uttarakhand)	Infrastructure	80	10	10	0

The funding pattern is as per the table below:

COST SUMMARY PER UNIT

Housing Cost Physical Infrastructure	:	4.35 Lakhs per Du 0.65 Lakhs per Du
Total cost per DU	:	5.00 Lakhs

The above mentioned costing is well within limits as per the guidelines of the RAY for cities with population more than 5.0 lakhs







6. PROJECT COST ESTIMATE

CHAPTER 6 – PROJECT COST ESTIMATE

ENCLOSED IN VOLUME- II







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	OF THE PROJECT :- CONSTRUCTION OF 6 KUVEMPUNAGARA SLUM (IN-SITU DEVELO STRUCTURE IN BANGALORE CITY, BYATR RAY.	OPMENT) INCLUDING
	ABSTRACT SHEET	
SI No	Description	Amount
	HOUSING BREAK UP DETAILS	S (G.F)
	PART : I - (GF)	
1	Housing	421400.00
2	Internal Water Supply	1950.00
3	Internal Sanitary	7150.00
4	Internal Electrical	4500.00
	Rs	435000.00
	Part - A : Housing	
5	For 666 (G.F) Units	289710000.00
	Sub Total for Part - A :	289710000.00
	Part - B1 : Physical Infrastru	icture
	PART : I - (GF)	
6	Roads : i. Asphalt Road	898000.00
	ii. CC Road	9990000.00
7	Water Supply : i. Service connection	1998000.00
	ii. Mini water supply scheme	2838000.00
8	Storm water Drains : i. Drains	11582000.00

SI No	Description	Amount
9	Sewerage : i. Service connection	7326000.00
10	Street lighting : i. Service connection	8658000.00
	Sub Total for Part - B1 :	43290000.00
	Part - B2 : Social Infrastruc	ture
11	Community Center	Nil
	Sub Total for Part - B2 :	0.00
	Sub Total for Part - B1+B2 :	43290000.00
	Sub Total for Part - A + B :	33300000.00
	Part - C : Operation & Maintena	nce cost
12	O & M @ 4%	13320000.00
	Sub Total for Part - C :	13320000.00
	Part - D : Others	
13	A & OE, IEC, DPR Preparation & PMC @ 5%	16650000.00
	Sub Total for Part - D :	16650000.00
	Grand Total(Part - A + B + C + D):	362970000.00
	Grand Total amount Rs in Lakhs :	3629.70
(Rs Thirty Six Crores Twenty Nine Lakhs Sev	venty Thousand Only)
Ass	sistant Engineer Assistant Executive Engine	er Executive Engineer
	No:4, Sub-Division,	No.2, Division,
	KSDB, Bangalore.	KSDB, Bangalore.

	KA	RNATA	<u>KA SLI</u>	JM DEV	<u>/ELOPI</u>	MENT BO	ARD		
NAM	E OF THE PROJECT :-	DETAIL	ED ESTI	MATE F	OR CIVI	L WORKS I	OR CON	STRUCTIC	ON OF 666
	(G.F) DU'S HOUSING	AT KUVE	MPUNAC	GARA SI	_UM (IN-	SITU DEVE		IT) INCLU	DING
	INFRASTRUCTURE	IN BANG	GALORE	: CITY, B	YAIRA	YANAPURA	A AREA U	NDER RA	Υ.
1:0	VIL WORKS :								
SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
1	Dismantling Mangalore tiles	roof A.C. sl	neet roofin	g. and stad	cking the n	naterial within			
	a radius of 50 meters. (Item	No : 37.42	.3)						
	4 X 3.5 Shed		, 1	4.00	4.00		16.00		
	Total :	Sqm					16.00	48.76	780.16
	Basic Rate Area Weightage 6%								
	Total Rate								
2	KSRRB M200-14.2. Disma	antling of	existing s	tructures	like culve	erts, bridges,			
	retaining walls and other st	ructure con	oprising of	masony	coment co	vacrete wood			
	retaining waits and other st		ipnsing or	masony,		nciele, wood			
	work, seel work, including	T & P and	scaffolding	wherever	necessar	y, sorting the			
	dismantled material, disposa	al of unservi	ceable ma	terial and «	stacking th	e serviceable			
					-				
	material with all lifts and lea	ad of 1000	metres co	mplete as	per specif	fications.B. In			
	cement mortar MORTH Spe	cification No	202 (1	tem No : 1	8.23)				
	4 X 3.5 Shed		1	15.00	0.20	(2.50+2.75)	7.88		
	Total :	Cum				2.00	7.88	197.16	1552.64
	Basic Rate								
-	Area Weightage 6% Total Rate								
	TOLAI KALE	197.10							
3	KSRRB M100-4.2 Haulage	e of mater	ials by ti	pper exclu	uding cos	t of loading,			
	unloading and stacking con				DRTH - 10	00/ Chapter 1			
	Case - II : Unsurfaced grave	lled road. (1						
	debris removal for 5km		5	1.30	2.54	16.54	7.88		
	Total :	t.km					7.88	16.54	130.22
	Basic Rate						1.00	10.04	100.22
	Area Weightage 6%								
	Total Rate	2.54							
4	Earthwork excavation for for	undation of	buildings	water su	nnlv sanit	ary lines and			
			•						
	electrical conduits either in p	oits or in tre	nches 1.5r	n and abo	ve in width	i, in hard soil			
	not exceeding 1.5 m. in dep	oth including	g dressing	the bottor	n and side	es of pits and			
	trenches, stacking the excav	vated soil cl	ear from e	dges of ex	cavation v	with lead upto			
	-			-		-			
	50 m. after breaking of cloo	us complete	as per sp	becincation	is. specific	auon. (item			
L	No. 2.4)	1	1	1					
а	Lift upto 1.50m depth		2	4 00	1.65	1 50	0.04		
	F1 EF1		2	1.80 2.00	1.65 1.175	1.50 1.50	8.91 14.10	<u> </u>	
			т 	2.00	1.175	1.00	17.10	+	
	Total :	Cum					23.01	223.66	5146.42

			Nos	L	В	D	Qty	Rate	Amount
	Basic Rate	211.00							
	Basic Rate	12.66							
	Total Rate	223.66							
5	Earthwork excavation for fo	undation of	f buildings	s, culverts,	water su	pply, sanitary			
ſ	lines and electrical conduits	either in pit	s or in trer	nches 1.5r	n and abo	ve in width, in			
	ordinary soil not exceeding	1.5 m. in de	epth incluc	ling dressi	ng the bott	om and sides			
	of pits and trenches, stacking			•	0				
		-			•				
	lead upto 50 m. after breakin	ig of cloas d	complete a	as per spe	cincations.	specification.			
	(Item No. 2.3)								
	External Mian Wall		1	23.45	0.750	0.575	10.11		
	Partation walls :						-		
	Wall b/w Kit & Hall		1	2.85	0.60	0.100	0.17		
	Wall b/w Bedroom & Bath Wall b/w Bath & W/C		1	2.50 2.00	0.60	0.100	0.15 0.12		
	Wall b/w W/C & Passage		1	0.90	0.60	0.100	0.12		
			•	0.00	0.00		0.00		
	Total :	Cum					10.61	148.93	1579.82
	Basic Rate Area Weightage 6%	140.50 8.43							
	Total Rate	148.93							
	Total Hato								
1	with OPC cement @180 kgs aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material	fine aggre	gates @0 k, well co	.57 cum m mpacted, i	nachine mi	xed, concrete on and plinth,			
i	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification N For Foundation F1 EF1 External Mian Wall Partation walls :	I fine aggre 15 cms thic s, labour, F	gates @0 HOM of m 1, 4.2 (It 2 4 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45	achine mi n foundatio curing cor 3) 1.65 1.175 0.75	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10	0.59 0.94 1.76		
i	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification I For Foundation F1 EF1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath	I fine aggre 15 cms thic s, labour, F	gates @0 k, well con HOM of m 1, 4.2 (It u 2 4	.57 cum m mpacted, i achinery, em No : 4.	achine mi n foundatio curing cor 3) 1.65 1.175	xed, concrete on and plinth, nplete as per 0.10 0.10	0.94		
i	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification I For Foundation F1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bath & W/C	I fine aggre 15 cms thic s, labour, F	gates @0 HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.85 2.50 2.00	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.94 1.76 0.17 0.15 0.12		
i	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification I For Foundation F1 EF1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath	I fine aggre 15 cms thic s, labour, F	gates @0 k, well col HOM of m 1, 4.2 (Itr 2 4 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.50	achine mi n foundatio curing cor 3) 1.65 1.175 0.75 0.60 0.60	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10	0.94 1.76 0.17 0.15		
i	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification M For Foundation F1 EF1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bath & W/C Wall b/w W/C & Passage	I fine aggre 15 cms thic s, labour, H No. KBS 4.7	gates @0 HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.85 2.50 2.00	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.94 1.76 0.17 0.15 0.12 0.05	4211.38	15951.65
i	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification I For Foundation F1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bath & W/C	I fine aggre 15 cms thic s, labour, F	gates @0 HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.85 2.50 2.00	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.94 1.76 0.17 0.15 0.12	4211.38	15951.65
i	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification N For Foundation F1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Total : Basic Rate Area Weightage 6%	d fine aggre 15 cms thic s, labour, H No. KBS 4.7 	gates @0 HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.85 2.50 2.00	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.94 1.76 0.17 0.15 0.12 0.05	4211.38	15951.65
i	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification N For Foundation F1 EF1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bath & W/C Wall b/w W/C & Passage Total : Basic Rate	I fine aggre 15 cms thic s, labour, H No. KBS 4.7	gates @0 HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.85 2.50 2.00	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.94 1.76 0.17 0.15 0.12 0.05	4211.38	15951.68
a	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification N For Foundation F1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Composite the the the the the the the State of the	d fine aggre 15 cms thic s, labour, H No. KBS 4.7 	gates @0 HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.85 2.50 2.00	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10	0.94 1.76 0.17 0.15 0.12 0.05	4211.38	15951.65
a	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification I For Foundation F1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bath & W/C Wall b/w Bedroom & Bath Wall b/w Bath & W/C Wall b/w Bath & W/C & Passage	d fine aggre 15 cms thic s, labour, H No. KBS 4.7 	gates @0 HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.50 2.00 0.90	achine mi n foundatio curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60 0.60 0.60	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	0.94 1.76 0.17 0.15 0.12 0.05	4211.38	15951.6
a	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification I For Foundation F1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bath & W/C Wall b/w W/C & Passage Total : Basic Rate Area Weightage 6% Total Rate For Flooring Living Bed room	d fine aggre 15 cms thic s, labour, H No. KBS 4.7 	gates @0 HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.50 2.00 0.90	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	0.94 1.76 0.17 0.15 0.12 0.05 3.79 0.68 0.51	4211.38	15951.65
a	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification I For Foundation F1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bath & W/C Wall b/w W/C & Passage Total : Basic Rate Area Weightage 6% Total Rate For Flooring Living Bed room Kitchen	d fine aggre 15 cms thic s, labour, H No. KBS 4.7 	gates @0 HOM of m 1, 4.2 (Itr 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.50 2.00 0.90 0.90 2.85 2.50 2.85	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	0.94 1.76 0.17 0.15 0.12 0.05 3.79 0.68 0.51 0.32	4211.38	15951.65
a	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification I For Foundation F1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w W/C & Passage Total : Basic Rate Area Weightage 6% Total Rate For Flooring Living Bed room Kitchen Bath	d fine aggre 15 cms thic s, labour, H No. KBS 4.7 	gates @0 HOM of m 1, 4.2 (Itr 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.50 2.00 0.90 0.90 2.85 2.50 2.85 2.50 2.85 2.50 2.85 1.50	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	0.94 1.76 0.17 0.15 0.12 0.05 3.79 0.68 0.51 0.32 0.23	4211.38	15951.68
a	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification I For Foundation F1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w W/C & Passage Total : Basic Rate Area Weightage 6% Total Rate For Flooring Living Bed room Kitchen Bath W.C	d fine aggre 15 cms thic s, labour, H No. KBS 4.7 	gates @0 k, well col HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.50 2.00 0.90 2.85 2.50 2.85 2.50 2.85 2.50 2.85 1.50 0.90	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	xed, concrete on and plinth, mplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	0.94 1.76 0.17 0.15 0.12 0.05 3.79 0.68 0.51 0.32 0.23 0.07	4211.38	15951.6
a	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification N For Foundation F1 EF1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w W/C & Passage Total : Basic Rate Area Weightage 6% Total Rate For Flooring Living Bed room Kitchen Bath W.C Passage near W.C / Bath	d fine aggre 15 cms thic s, labour, H No. KBS 4.7	gates @0 HOM of m 1, 4.2 (Itr 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.50 2.00 0.90 0.90 2.85 2.50 2.85 2.50 2.85 2.50 2.85 1.50	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	xed, concrete on and plinth, nplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	0.94 1.76 0.17 0.15 0.12 0.05 3.79 0.68 0.51 0.32 0.23	4211.38	15951.65
a	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification N For Foundation F1 EF1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w W/C & Passage Total : Basic Rate Area Weightage 6% Total Rate For Flooring Living Bed room Kitchen Bath W.C Passage near W.C / Bath	d fine aggre 15 cms thic s, labour, H No. KBS 4.7 200 238.38 4211.38 Cum	gates @0 k, well col HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.50 2.00 0.90 2.85 2.50 2.85 2.50 2.85 2.50 2.85 1.50 0.90	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	xed, concrete on and plinth, mplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	0.94 1.76 0.17 0.15 0.12 0.05 3.79 0.68 0.51 0.32 0.23 0.07	4211.38	
a	aggregate @ 0.85 cum and laid in layers not exceeding including cost of all material specifications. Specification N For Foundation F1 EF1 External Mian Wall Partation walls : Wall b/w Kit & Hall Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w Bedroom & Bath Wall b/w W/C & Passage Total : Basic Rate Area Weightage 6% Total Rate For Flooring Living Bed room Kitchen Bath W.C Passage near W.C / Bath	d fine aggre 15 cms thic s, labour, H No. KBS 4.7	gates @0 k, well col HOM of m 1, 4.2 (Ite 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.57 cum m mpacted, i achinery, em No : 4. 1.80 2.00 23.45 2.85 2.50 2.00 0.90 2.85 2.50 2.85 2.50 2.85 2.50 2.85 1.50 0.90	achine mi n foundation curing cor 3) 1.65 1.175 0.75 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6	xed, concrete on and plinth, mplete as per 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	0.94 1.76 0.17 0.15 0.12 0.05 3.79 0.68 0.51 0.32 0.23 0.07 0.07		15951.65

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
6	KSRB 4.2.2 : Providing and								
	mix 1:1.5:3 (M20) with OPC	cement @	2320 kgs v	vith 20mm	and dowr	n size graded			
	granite metal, coarse aggre								
	with superplastisiser @3ltrs								
	mixed, concrete laid in layer								
	foundation plinth and groun								
	walls, return walls, walls (
	piers, abutments, pillars, pos	sts, struts, b	uttresses,	string or la	acing cours	ses, parapets,			
	coping, bed blocks, anchor b	olocks, plain	window ci	lls, fillets e	etc., includ	ling cost of all			
	materials, labour, HOM of	-				-			
	Specification No. KBS 4.1, 4	-	-	•					
а	For Footing concrete								
	F1		2	1.65	1.50	0.30	1.49		
	EF1		4	1.85	1.100	0.35	2.85		
	Total :	Cum					4.33	5535.32	23990.08
	Basic Rate	5222.00							
	Area Weightage 6%	313.32							
	Total Rate	5535.32							
b	For Pedestal concrete								
	EF1 of P1		4	0.275	0.525	0.60	0.35		
	Tatala	0					0.05	5505.00	4047.00
	Total :	Cum					0.35	5535.32	1917.99
7	Providing and removing cent form work for foundations, including cost of all materials of Engineer in charge. (Item	footings, b s, labour coi	ases of c	olumns fo	or mass c	concrete etc.,			
	form work for foundations, including cost of all materials of Engineer in charge. (Item	footings, b s, labour coi	ases of c	olumns fo	or mass c	concrete etc.,			
7 a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1	footings, b s, labour coi	ases of complete as page 2 X 2	columns fo per specifi : (1.65 + 1	or mass c cations as .50)	concrete etc.,	3.78		
	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1	footings, b s, labour coi	ases of complete as particular of complete a	columns fo per specifi 2 (1.65 + 1 2 (1.85 + 1	or mass c cations as .50) .10)	concrete etc., s per direction 0.30 0.35	8.26		
	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1	footings, b s, labour coi	ases of complete as particular of complete a	columns fo per specifi : (1.65 + 1	or mass c cations as .50) .10)	concrete etc., s per direction 0.30			
	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1	footings, b s, labour coi	ases of complete as particular of complete a	columns fo per specifi 2 (1.65 + 1 2 (1.85 + 1	or mass c cations as .50) .10)	concrete etc., s per direction 0.30 0.35	8.26	220.48	3501.22
	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 EF1 of P1 Total : Basic Rate	footings, b s, labour con No: 4.28) Sqm 208.00	ases of complete as particular of complete a	columns fo per specifi 2 (1.65 + 1 2 (1.85 + 1	or mass c cations as .50) .10)	concrete etc., s per direction 0.30 0.35	8.26 3.84	220.48	3501.22
	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 EF1 of P1 Total : Basic Rate Area Weightage 6%	footings, b s, labour con No: 4.28) Sqm 208.00 12.48	ases of complete as particular of complete a	columns fo per specifi 2 (1.65 + 1 2 (1.85 + 1	or mass c cations as .50) .10)	concrete etc., s per direction 0.30 0.35	8.26 3.84	220.48	3501.22
	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 EF1 of P1 Total : Basic Rate	footings, b s, labour con No: 4.28) Sqm 208.00	ases of complete as particular of complete a	columns fo per specifi 2 (1.65 + 1 2 (1.85 + 1	or mass c cations as .50) .10)	concrete etc., s per direction 0.30 0.35	8.26 3.84	220.48	3501.22
	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 EF1 of P1 Total : Basic Rate Area Weightage 6%	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48	ases of c mplete as p 2 X 2 4 X 2 4 X 2	columns fo per specifi (1.65 + 1 (1.85 + 1 (0.275 + 0	or mass c cations as .10) 0.525)	concrete etc., per direction 0.30 0.35 0.60	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 of P1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po	ases of c mplete as p 2 X 2 4 X 2 4 X 2 2 5 x 2 2 x 2 4 x 2 2 x 2 2 x 2 2 x 2 4 x 2 2 x 2 x	columns fo per specifi 2 (1.65 + 1 2 (1.85 + 1 (0.275 + (0.275	or mass c cations as .50) .10) 0.525)	exper direction 0.30 0.35 0.60	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs	ases of c mplete as p 2 X 2 4 X 2 4 X 2 4 X 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	columns for per specific 2 (1.65 + 1 2 (1.85 + 1 (0.275 + 0 6 (0.275 + 0 6 (0.275 + 0) 6 (0.275 + 0) 7 (0.275 + 0)	nent concr	concrete etc., s per direction 0.30 0.35 0.60 rete of design raded granite	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs, @ 0.69cum	ases of c mplete as p 2 X 2 4 X 2 4 X 2 4 X 2 5 5 sition rein , with 20m and find	forced cer	nent concr wn size g tes @ 0.	concrete etc., per direction 0.30 0.35 0.60 rete of design raded granite 46cum, with	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs, @ 0.69cum ming to IS9	ases of c mplete as p 2 X 2 4 X 2 4 X 2 4 X 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	forced cer mand do e aggregt	nent concr wn size g d-2008, ma	concrete etc., per direction 0.30 0.35 0.60 rete of design raded granite 46cum, with achine mixed,	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs, @ 0.69cum ming to IS9	ases of c mplete as p 2 X 2 4 X 2 4 X 2 4 X 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	forced cer mand do e aggregt	nent concr wn size g d-2008, ma	concrete etc., per direction 0.30 0.35 0.60 rete of design raded granite 46cum, with achine mixed,	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs, @ 0.69cum ming to IS9 exceeding	ases of c mplete as p 2 X 2 4 X 2 4 X 2 4 X 2 2 4 X 2 2 4 X 2 2 4 X 2 2 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	columns for per specifi (1.65 + 1 (1.85 + 1 (0.275 + 0 forced cer im and do e aggregt Reaffirme hick, vibra	nent concr wn size g d-2008, ma ted for R.	concrete etc., s per direction 0.30 0.35 0.60 rete of design raded granite 46cum, with achine mixed, .C.C. beams,	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir concrete laid in layers not	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs, @ 0.69cum ming to IS9 exceeding ation plinth	ases of c mplete as p 2 X 2 4 X 2 4 X 2 4 X 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	forced cer mand do e aggregt Reaffirme hick, vibra	or mass c cations as .50) .10) 0.525) nent concr wn size gi tes @ 0. d-2008, ma ted for R. round floor	concrete etc., per direction 0.30 0.35 0.60 rete of design raded granite 46cum, with achine mixed, .C.C. beams, r level for roof	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir concrete laid in layers not columns of all sizes in found	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs @ 0.69cum ming to IS9 exceeding ation plinth umns, inclu	asses of complete as p 2 X 2 4 X 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 x 2 2 x 2 4 x 2 2 x 2 4 x 2 2 x 2 x	columns for per specifi (1.65 + 1 (1.85 + 1 (0.275 + 0 (0.275 + 0)))))))))))))))))))))))))))))))))))	nent concr wn size g d-2008, ma tes @ 0. d-2008, ma ted for R. round floor terials, lab	concrete etc., per direction 0.30 0.35 0.60 rete of design raded granite 46cum, with achine mixed, .C.C. beams, r level for roof our, HOM of	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir concrete laid in layers not columns of all sizes in found slabs, staircase, lintles, columachinery, curing, complete	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs @ 0.69cum ming to IS9 exceeding ation plinth umns, inclu	asses of complete as p 2 X 2 4 X 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 x 2 2 x 2 4 x 2 2 x 2 4 x 2 2 x 2 x	columns for per specifi (1.65 + 1 (1.85 + 1 (0.275 + 0 (0.275 + 0)))))))))))))))))))))))))))))))))))	nent concr wn size g d-2008, ma tes @ 0. d-2008, ma ted for R. round floor terials, lab	concrete etc., per direction 0.30 0.35 0.60 rete of design raded granite 46cum, with achine mixed, .C.C. beams, r level for roof our, HOM of	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir concrete laid in layers not columns of all sizes in found slabs, staircase, lintles, columachinery, curing, complete Item No. 4.17)	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs @ 0.69cum ming to IS9 exceeding ation plinth umns, inclu	asses of complete as p 2 X 2 4 X 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 x 2 2 x 2 4 x 2 2 x 2 4 x 2 2 x 2 x	columns for per specifi (1.65 + 1 (1.85 + 1 (0.275 + 0 (0.275 + 0)))))))))))))))))))))))))))))))))))	nent concr wn size g d-2008, ma tes @ 0. d-2008, ma ted for R. round floor terials, lab	concrete etc., per direction 0.30 0.35 0.60 rete of design raded granite 46cum, with achine mixed, .C.C. beams, r level for roof our, HOM of	8.26 3.84	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir concrete laid in layers not columns of all sizes in found slabs, staircase, lintles, columachinery, curing, complete Item No. 4.17) For Columns	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs @ 0.69cum ming to IS9 exceeding ation plinth umns, inclu	asses of complete as p 2 X 2 4 X 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 X 2 4 X 2 2 x 2 4 x 2 2 x 2 4 x 2 2 x 2 4 x 2 2 x 2 x	columns for per specifi (1.65 + 1 (1.85 + 1 (0.275 + 0) forced cer m and do e aggregt Reaffirme hick, vibra structure g of all mat . Specifica	nr mass c cations as .50) .10) 0.525) nent concr wn size gu tes @ 0. d-2008, ma ted for R. round floor terials, lab tion No. Kl 0.375	rete of design raded granite 46cum, with achine mixed, .C.C. beams, r level for roof our, HOM of BS 4.1, 4.6 (3.875	8.26 3.84 15.88	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir concrete laid in layers not columns of all sizes in found slabs, staircase, lintles, columachinery, curing, complete Item No. 4.17) For Columns	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs @ 0.69cum ming to IS9 exceeding ation plinth umns, inclu	asses of complete as particular and supers ding cost particular cost particular and supers ding cost particular and supers din	columns for per specifi (1.65 + 1 (1.85 + 1 (0.275 + 0 (0.275 + 1 (0.275 + 1 (0.275 + 0 (0.275 + 0)))))))))))))))))))))))))))))))))))	nent concr wn size g d-2008, ma tes @ 0. d-2008, ma terials, lab tion No. Kl	concrete etc., per direction 0.30 0.35 0.60 rete of design raded granite 46cum, with achine mixed, .C.C. beams, r level for roof our, HOM of BS 4.1, 4.6 (8.26 3.84 15.88	220.48	3501.22
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir concrete laid in layers not columns of all sizes in found slabs, staircase, lintles, columachinery, curing, complete Item No. 4.17) For Columns	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs @ 0.69cum ming to IS9 exceeding ation plinth umns, inclu	ases of c mplete as p 2 X 2 4 X 2 4 X 2 4 X 2 2 X 2 4 X 2 4 X 2 2 x 2 2 x 2 4 X 2 2 x 2 4 X 2 2 x 2 2 x 2 4 X 2 2 x 2 2 x 2 4 X 2 2 x 2 2 x 2 4 X 2 2 x 2 x	columns for per specifi (1.65 + 1 (1.85 + 1 (0.275 + 0) forced cer m and do e aggregt Reaffirme hick, vibra structure g of all mat . Specifica	nr mass c cations as .50) .10) 0.525) nent concr wn size gu tes @ 0. d-2008, ma ted for R. round floor terials, lab tion No. Kl 0.375	rete of design raded granite 46cum, with achine mixed, .C.C. beams, r level for roof our, HOM of BS 4.1, 4.6 (3.875	8.26 3.84 15.88		
a	form work for foundations, including cost of all materials of Engineer in charge. (Item For Footing concrete F1 EF1 of P1 Total : Basic Rate Area Weightage 6% Total Rate KSRB 4.2.8 : Providing and mix M20 with OPC cement metal coarse aggregates superplastisiser @3lts confir concrete laid in layers not columns of all sizes in found slabs, staircase, lintles, col machinery, curing, complete Item No. 4.17) For Columns	footings, b s, labour con No: 4.28) Sqm 208.00 12.48 220.48 laying in po @ 320kgs @ 0.69cum ming to IS9 exceeding ation plinth umns, inclu	ases of c mplete as p 2 X 2 4 X 2 4 X 2 4 X 2 2 X 2 4 X 2 4 X 2 2 x 2 2 x 2 4 X 2 2 x 2 2 x 2 4 X 2 2 x 2 2 x 2 4 X 2 2 x 2 x	columns for per specifi (1.65 + 1 (1.85 + 1 (0.275 + 0) forced cer m and do e aggregt Reaffirme hick, vibra structure g of all mat . Specifica	nr mass c cations as .50) .10) 0.525) nent concr wn size gu tes @ 0. d-2008, ma ted for R. round floor terials, lab tion No. Kl 0.375	rete of design raded granite 46cum, with achine mixed, .C.C. beams, r level for roof our, HOM of BS 4.1, 4.6 (3.875	8.26 3.84 15.88 0.58 0.98	220.48	3501.22

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Total Rate	5535.32							
9	Providing and removing cent	nd removal of							
	form work for columns etc.	nplete as per							
	specifications including all le								
	directed by Engineer in charge	ges. (Item	No. 4.32)	For Colum	nns				
	For Columns								
	C1 C2			(0.20 + 0) (0.20 + 0)		3.875 3.275	8.91 15.07		
	02		4 ^ 2	(0.20 + 0	.375)	3.275	15.07		
	Total :	Sqm					23.98	330.72	7929.84
	Basic Rate	312.00							
	Area Weightage 6% Total Rate	18.72 330.72							
		330.72							
6	Providing and constructing	granite/ tra	p/basalt s	ize stone	masonry	in foundation			
	with compart marter 1.6 at	ana hamma	arad draaa	ad in acu	raa nat laa	a than 20am			
	with cement mortar 1:6, st	one namme	erea aress	ed in cou	rse not les	s than 20cm			
	high, bond sontes at 2mtrs a	apart in each	n course i	ncluding c	cost of mate	erials, labour,			
	ouring ato complete as par	ana aifiaatia		directed b		rin charge (
	curing etc., complete as per	specificatio	ins and as	directed b	y ⊏ngineei	in charge. (
	Item No. 5.6)								
	External Mian Wall		1	23.45	0.600	0.20	2.81		
			1	23.45	0.525	0.20	2.46		
	deduct for column		1	23.45	0.450	0.20	2.11		
	deduct for column Pedestal		-2 -4	0.20 0.275	0.375 0.525	0.60	-0.09 -0.35		
				0.210	0.020	0.00	0.00		
	Partation walls :								
	Wall b/w Kit & Hall		1	2.85	0.45	0.40	0.51		
	Wall b/w Bedroom & Bath		1	2.50	0.45	0.40	0.45		
	Wall b/w Bath & W/C		1	2.00	0.45	0.40	0.36		
	Wall b/w W/C & Passage		1	0.90	0.45	0.40	0.16		
	Total :	Cum					8.44	3484.22	29390.27
	Basic Rate	3287.00							
	Area Weightage 6%	197.22							
	Total Rate	3484.22							
7	KSRB 4.2.2 : Providing and	laving in p	osition rein	forced cer	ment concr	ete of design			
'						•			
	mix 1:1.5:3 (M20) with OPC		-			-			
	granite metal, coarse aggreg	gate @ 0.6	9 cum and	d fine aggr	egates @0	.46 cum with			
	superplastisiser @3ltrs cor	nfirming to	IS9103-1	999 Reaf	firmed -20	008 machine			
	mixed, concrete laid in layer	rs not excee	edina 15 ci	ms thick. v	vibrated fo	r all works in			
	· · · · ·		U U						
	foundation plinth and groun					-			
	walls, return walls, walls (any thickne	ess) inclu	ding attac	ched plaste	ers, columns,			
	piers, abutments, pillars, pos	sts, struts, b	uttresses,	string or la	acing cours	es, parapets,			
	coping, bed blocks, anchor b	olocks, plain	window ci	lls, fillets e	etc., includ	ing cost of all			
	materials, labour, HOM of	-				-			
		-	-	Somplete	uo per o	poonoations.			
	Specification No. KBS 4.1, 4	.6 (Item N	_	E 00	0.00	0.000	0.00		
	Plinth beam : Longer Side		2	5.20 6.18	0.20	0.300	0.62		
	Shoter Side		2	2.50	0.20	0.375	0.46		
			2	2.85	0.20	0.300	0.34		
				-	-				
	Total : Basic Rate	Cum 5222.00					1.73	5535.32	9573.34

i No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amoun
	Area Weightage 6%	313.32							
	Total Rate	5535.32							
8	Providing and removing cen	tering, shut	ttering, stru	utting, prop	oping etc,	for columns			
		antita dale au							
	etc., including cost`of all mat	eri is, labou	ir complete	e as per sp	ecification	is including all			
	lead and lift charges etc.,								
	-	·	•						
	charges. (Item No. 4.32)								
	Plinth beam : Longer Side		2 X 2	5.20		0.300	6.24		
			1 X 2	6.18		0.375	4.64		
	Shoter Side		2 X 2	2.50		0.300	3.00		
			2 X 2	2.85		0.300	3.42		
	Total :	Sqm					17.30	312.00	5396.04
	Basic Rate	312.00							
	Area Weightage 6%	18.72							
	Total Rate	330.72							
9	KSRB 2.5 : Earthwork excar	vation (in d	eposited s	oil) and fil	ling sides	of foundation			
	upto plinth in layers not exc	ceeding 20	cms in d	enth com	nacting ea	ach denosited			
		-		-		-			
	layer by ramming after wate	ering with le	ad upto 5	0m. and li	ft upto 1.5	5 m. including			
	cost of all labour comple	ete as ne	r specific	ations sr	pecification				
	-	-	i opeenie			1. NO. NOO			
	2.9.9/2.9.10.1/2.1.1 (Item N	o2.12)							
	For Flooring Bed		1	2.475	4.30	0.375	3.99		
			1	2.125	4.30	0.375	3.43		
	Total :	Cum					7.42	199.28	1478.16
	Total : Basic Rate	Cum 188.00					7.42	199.28	1478.10
	Basic Rate	188.00					7.42	199.28	1478.16
							7.42	199.28	1478.10
	Basic Rate Area Weightage 6%	188.00 11.28					7.42	199.28	1478.10
10	Basic Rate Area Weightage 6% Total Rate	188.00 11.28 199.28	cting pree	cast conc	rete solid	blocks with	7.42	199.28	1478.10
10	Basic Rate Area Weightage 6%	188.00 11.28 199.28	cting pred	cast conc	rete solid	blocks with	7.42	199.28	1478.10
10	Basic Rate Area Weightage 6% Total Rate	188.00 11.28 199.28 nd constru					7.42	199.28	1478.10
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a	188.00 11.28 199.28 nd constru					7.42	199.28	1478.10
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a	188.00 11.28 199.28 nd constru	5 Kg/sqm	with ceme	ent mortar	1:4 masonry	7.42	199.28	1478.1
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le	188.00 11.28 199.28 nd constru	5 Kg/sqm	with ceme	ent mortar	1:4 masonry	7.42	199.28	1478.1
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le	188.00 11.28 199.28 nd construess than 35 s) with so	5 Kg/sqm lid concre	with ceme te blocks	ent mortar of size 4	1:4 masonry 0x15x20 cms	7.42	199.28	1478.1
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre	with ceme te blocks including (ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour	7.42	199.28	1478.1
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre	with ceme te blocks including (ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour	7.42	199.28	1478.1
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre	with ceme te blocks including (ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour		199.28	1478.10
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre	with ceme te blocks including (ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour	7.42	199.28	
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing o Ground floor main wall	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre erstructure s per speci	with ceme te blocks including o fications. (ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2)		199.28	
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing o Ground floor main wall	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre erstructure s per speci	with ceme te blocks including of fications. (5.20	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625	13.65	199.28	
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing o Ground floor main wall	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre srstructure per speci	with ceme te blocks including of fications. (5.20 6.18	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625	13.65 16.22	199.28	
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625	13.65 16.22 13.65 14.96	199.28	
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing o Ground floor main wall Long Wall Short Wall	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre srstructure per speci 1 1 1	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625	13.65 16.22 13.65 14.96 13.13		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Kitchen platform wall	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre perstructure per speci 1 1 1 2 2	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625	13.65 16.22 13.65 14.96 13.13 1.35		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing o Ground floor main wall Long Wall Short Wall	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre perstructure per speci 1 1 1 2 2	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625	13.65 16.22 13.65 14.96 13.13		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Kitchen platform wall SubTotal :	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3	with ceme te blocks including o fications. (5.20 6.18 5.20 2.85 2.50 0.60	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 0.75	13.65 16.22 13.65 14.96 13.13 1.35 72.96		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3 3	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 0.75 2.10	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3 3 	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 0.75 2.10 2.10 2.63	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1 W1	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3 3 1 1 1 2 2 3	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 0.90 0.90 0.90	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 0.75 2.10 2.10 2.63 1.20	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36 2.16		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1 W1 W2	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre srstructure s per speci 1 1 1 2 2 3 3 1 1 2 1 2 1	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 0.90 0.90 0.90 0.90 0.60	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625 2.625 0.75 2.10 2.63 1.20 0.45	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36 2.16 0.27		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1 W1 W2 V	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3 3 1 1 2 1 2 1 2 1 2 2 3	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 0.90 0.90 0.90 0.90 0.90 0.90 0.9	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625 0.75 2.63 1.20 0.45	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36 2.16 0.27 0.41		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1 W1 W2	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre srstructure s per speci 1 1 1 2 2 3 3 1 1 2 1 2 1	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 0.90 0.90 0.90 0.90 0.90 0.60	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625 2.625 0.75 2.10 2.63 1.20 0.45	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36 2.16 0.27 0.41 4.09		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1 W1 W2 V	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3 3 1 1 2 1 2 1 2 1 2 2 3	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 0.90 0.90 0.90 0.90 0.90 0.90 0.9	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625 0.75 2.63 1.20 0.45	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36 2.16 0.27 0.41		
10	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1 W1 W2 V Deduct lintel	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe complete as	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3 3 1 1 2 1 2 1 2 1 2 2 3	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 0.90 0.90 0.90 0.90 0.90 0.90 0.9	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625 0.75 2.63 1.20 0.45	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36 2.16 0.27 0.41 4.09 11.18		
	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1 W1 W2 V Deduct lintel Total :	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe complete as	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3 3 1 1 2 1 2 1 2 1 2 2 3	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 0.90 0.90 0.90 0.90 0.90 0.90 0.9	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625 0.75 2.63 1.20 0.45	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36 2.16 0.27 0.41 4.09	199.28	
	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1 W1 W2 V Deduct lintel Total : Basic Rate	188.00 11.28 199.28 nd constru ess than 35 s) with so 965 in supe complete as complete as 5 5 5 5 5 5 5 5 5 5 5 5 5	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3 3 1 1 2 1 2 1 2 1 2 2 3	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 0.90 0.90 0.90 0.90 0.90 0.90 0.9	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625 0.75 2.63 1.20 0.45	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36 2.16 0.27 0.41 4.09 11.18		49573.9
	Basic Rate Area Weightage 6% Total Rate KSRB 5-14 : Providing a compressive strength not le (quoin, Jamb, closer blocks conforming to I.S: 2185 of 19 charges, scaffolding, curing of Ground floor main wall Long Wall Short Wall Short Wall Kitchen platform wall SubTotal : Deductions : Doors OP1 W1 W2 V Deduct lintel Total :	188.00 11.28 199.28 nd construess than 35 s) with so 965 in supe complete as	5 Kg/sqm lid concre erstructure s per speci 1 1 1 2 2 3 3 1 1 2 1 2 1 2 1 2 2 3	with ceme te blocks including of fications. (5.20 6.18 5.20 2.85 2.50 0.60 0.90 0.90 0.90 0.90 0.90 0.90 0.9	ent mortar of size 4 cost of ma	1:4 masonry 0x15x20 cms terials, labour 5.27.2) 2.625 2.625 2.625 2.625 2.625 2.625 2.625 0.75 2.63 1.20 0.45	13.65 16.22 13.65 14.96 13.13 1.35 72.96 1.89 2.36 2.16 0.27 0.41 4.09 11.18		

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
11	KSRB 5-14 : Providing and constructing precast concrete solid blocks with								
	compressive strength not le								
	(quoin, Jamb, closer blocks								
	conforming to I.S: 2185 of 1								
	charges, scaffolding, curing o								
	Partition wall-BED		1	2.50		2.885	7.21		
	Partition Wall -KIT		1	2.85		2.100	5.99		
	Partition Wall -Bath		1	2.00 0.90		2.885 2.885	5.77 2.60		
	Sub Total :		1	0.00		2.000	21.56		
	deduct D2		1	0.90		2.10	1.89		
	D3		2	0.75		2.10	3.15		
	OP1		1	0.90		2.10	1.89		
	Deduct lintel Sub Total :		1	8.25		0.15	1.24 8.17		
	Sub Total .						0.17		
	Total :	Sqm					13.40	650.84	8718.98
	Basic Rate	614.00							
	Area Weightage 6%	36.84							
	Total Rate	650.84							
12	KSRB 4.2.2 : Providing and mix 1:1.5:3 (M20) with OPC					-			
	granite metal, coarse aggree								
	granite metal, coarse aggreg	-							
	with superplastisiser @3ltrs	confirming	to IS9103	-1999 Rea	affirmed -2	008 machine			
		confirming	to IS9103	-1999 Rea	affirmed -2	008 machine			
	with superplastisiser @3ltrs	confirming s not excee	to IS9103 eding 15 c	-1999 Rea ms thick, v	affirmed -2 vibrated fo	008 machine or all works in			
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground	confirming s not excee d floor leve	to IS9103 eding 15 c I for roof	-1999 Rea ms thick, v slabs, sta	affirmed -2 vibrated fo ircase, lint	2008 machine or all works in tles, retaining			
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a	confirming s not excee d floor leve any thickne	to IS9103 eding 15 c I for roof ess) inclu	-1999 Rea ms thick, v slabs, sta iding attac	affirmed -2 vibrated fo ircase, lint ched plaste	2008 machine or all works in tles, retaining ers, columns,			
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground	confirming s not excee d floor leve any thickne	to IS9103 eding 15 c I for roof ess) inclu	-1999 Rea ms thick, v slabs, sta iding attac	affirmed -2 vibrated fo ircase, lint ched plaste	2008 machine or all works in tles, retaining ers, columns,			
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a	confirming s not excee d floor leve any thickne ts, struts, b	to IS9103 eding 15 c I for roof ss) inclu uttresses,	-1999 Rea ms thick, v slabs, sta iding attac string or la	affirmed -2 vibrated for ircase, lini shed plaste acing cours	2008 machine or all works in tles, retaining ers, columns, ses, parapets,			
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos	confirming s not excee d floor leve any thickne ts, struts, b locks, plain	to IS9103 eding 15 c I for roof Iss) inclu uttresses, window ci	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e	affirmed -2 vibrated fo ircase, lini shed plaste acing cours atc., includ	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all			
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of	confirming s not excee d floor leve any thickne ts, struts, b locks, plain machinery	to IS9103 eding 15 cl of for roof ess) inclu uttresses, window ci y, curing,	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e	affirmed -2 vibrated fo ircase, lini shed plaste acing cours atc., includ	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all			
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4	confirming s not excee d floor leve any thickne ts, struts, b locks, plain machinery	to IS9103 eding 15 cl of for roof ess) inclu uttresses, window ci y, curing,	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e	affirmed -2 vibrated fo ircase, lini shed plaste acing cours atc., includ	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all			
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of	confirming s not excee d floor leve any thickne ts, struts, b locks, plain machinery	to IS9103 eding 15 cl of for roof ess) inclu uttresses, window ci y, curing,	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e	affirmed -2 vibrated fo ircase, lini shed plasta acing cours atc., includ as per s	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications.	0.06		
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1	confirming s not excee d floor leve any thickne ts, struts, b locks, plain machinery	to IS9103 eding 15 cl l for roof ess) inclu uttresses, window cl r, curing, o 4.11) 2 1	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00	affirmed -2 vibrated fo ircase, lini ched plaste acing cours etc., includ as per s 0.15 0.15	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150	0.02		
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4 Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1	confirming s not excee d floor leve any thickne ts, struts, b locks, plain machinery	to IS9103 eding 15 cl of for roof ess) inclu uttresses, window cl or, curing, o 4.11) 2 1 2	-1999 Rea ms thick, v slabs, sta ding attac string or la lls, fillets e complete 1.30 1.00 0.85	affirmed -2 vibrated fo ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150	0.02 0.04		
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening	confirming s not excee d floor leve any thickne ts, struts, b locks, plain machinery	to IS9103 eding 15 cl l for roof ess) inclu uttresses, window cl r, curing, o 4.11) 2 1	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00	affirmed -2 vibrated fo ircase, lini ched plaste acing cours etc., includ as per s 0.15 0.15	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150	0.02		
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening Lintels For Partation wall:	confirming s not excee d floor leve any thickne ts, struts, b locks, plain machinery	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci of, curing, 2 4.11) 2 1 2 2	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30	affirmed -2 vibrated for ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150	0.02 0.04 0.06		
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening	confirming s not excee d floor leve any thickne ts, struts, b locks, plain machinery	to IS9103 eding 15 cl of for roof ess) inclu uttresses, window cl or, curing, o 4.11) 2 1 2	-1999 Rea ms thick, v slabs, sta ding attac string or la lls, fillets e complete 1.30 1.00 0.85	affirmed -2 vibrated fo ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150	0.02 0.04		
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening Lintels For Partation wall:	confirming s not excee d floor leve any thickne ts, struts, b locks, plain machinery	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci of, curing, 2 4.11) 2 1 2 2	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30	affirmed -2 vibrated for ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150	0.02 0.04 0.06	5535.32	1668.90
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening Lintels For Partation wall: LB2 Total : Basic Rate	confirming s not exceed d floor leve any thickne ts, struts, b locks, plain machinery .6 (Item No	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci of, curing, 2 4.11) 2 1 2 2	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30	affirmed -2 vibrated for ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150	0.02 0.04 0.06 0.12	5535.32	1668.90
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening Lintels For Partation wall: LB2 Total : Basic Rate Area Weightage 6%	confirming s not exceed d floor leve any thickne ts, struts, b locks, plain machinery .6 (Item No 6 (Item No 5222.00 313.32	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci of, curing, 2 4.11) 2 1 2 2	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30	affirmed -2 vibrated for ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150	0.02 0.04 0.06 0.12	5535.32	1668.90
	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening Lintels For Partation wall: LB2 Total : Basic Rate	confirming s not exceed d floor leve any thickne ts, struts, b locks, plain machinery .6 (Item No	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci of, curing, 2 4.11) 2 1 2 2	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30	affirmed -2 vibrated for ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150	0.02 0.04 0.06 0.12	5535.32	1668.90
13	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening Lintels For Partation wall: LB2 Total : Basic Rate Area Weightage 6% Total Rate	confirming s not exceed d floor leve any thickne ts, struts, b locks, plain machinery 6 (Item No 5222.00 313.32 5535.32	to IS9103 eding 15 cl el for roof ess) inclu uttresses, window cl r, curing, 5 4.11) 2 1 2 1 2 1	-1999 Rea ms thick, v slabs, sta ding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30 8.25	affirmed -2 <i>i</i> ibrated for ircase, linit ched plasted acing course acing course	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150	0.02 0.04 0.06 0.12	5535.32	1668.90
13	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening Lintels For Partation wall: LB2 Total : Basic Rate Area Weightage 6%	confirming s not exceed d floor leve any thickne ts, struts, b locks, plain machinery 6 (Item No 5222.00 313.32 5535.32 ering, shutt	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci of, curing, 0 4.11) 2 1 2 1 2 1 2 1 2 1 2 1 2 2 1	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30 8.25 	affirmed -2 vibrated for ircase, lint ched plaste acing cours atc., includ as per s 0.15 0.15 0.15 0.15 0.10	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150 0.150	0.02 0.04 0.06 0.12	5535.32	1668.90
13	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Ventilators : V1 Above Door Opening Lintels For Partation wall: LB2 Total : Basic Rate Area Weightage 6% Total Rate Providing and removing cent form work for Beams, beam not exceeding 1m in depth	confirming s not exceed d floor leve any thickne ts, struts, b locks, plain machinery 6 (Item No 5222.00 313.32 5535.32 ering, shutt haunching including co	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci y, curing, 94.11) 2 1 2 1 2 1 2 1 2 1 2 3 1 2 2 1 3 5 4.11) 2 1 2 5 4.11) 2 1 5 5 6 7 7 7 7 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30 8.25 	affirmed -2 vibrated for ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15 0.15 0.10	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150 0.150 0.150	0.02 0.04 0.06 0.12	5535.32	1668.90
13	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4 Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening Lintels For Partation wall: LB2 Total : Basic Rate Area Weightage 6% Total Rate Providing and removing cent form work for Beams, beam not exceeding 1m in depth specifications. (Item No. 4.3	confirming s not exceed d floor leve any thickne ts, struts, b locks, plain machinery 6 (Item No 5222.00 313.32 5535.32 ering, shutt haunching including co	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci y, curing, 94.11) 2 1 2 1 2 1 2 1 2 1 2 3 1 2 2 1 3 5 4.11) 2 1 2 5 4.11) 2 1 5 5 6 7 7 7 7 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30 8.25 	affirmed -2 vibrated for ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15 0.15 0.10	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150 0.150 0.150	0.02 0.04 0.06 0.12	5535.32	1668.90
13	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4. Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Ventilators : V1 Above Door Opening Lintels For Partation wall: LB2 Total : Basic Rate Area Weightage 6% Total Rate Providing and removing cent form work for Beams, beam not exceeding 1m in depth specifications. (Item No. 4.3 Lintels For Main wall: LB1	confirming s not exceed d floor leve any thickne ts, struts, b locks, plain machinery 6 (Item No 5222.00 313.32 5535.32 ering, shutt haunching including co	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci y, curing, 94.11) 2 1 2 1 2 1 2 1 2 1 2 3 1 2 2 1 3 5 4.11) 2 1 2 5 4.11) 2 1 5 5 6 7 7 7 7 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30 8.25 	affirmed -2 vibrated for ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15 0.15 0.10	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150 0.150 0.150	0.02 0.04 0.06 0.12	5535.32	1668.90
13	with superplastisiser @3ltrs mixed, concrete laid in layer foundation plinth and ground walls, return walls, walls (a piers, abutments, pillars, pos coping, bed blocks, anchor b materials, labour, HOM of Specification No. KBS 4.1, 4 Lintels For Main wall: LB1 Above Windows : W1 Above Windows : W1 Above Windows : W2 Above Ventilators : V1 Above Door Opening Lintels For Partation wall: LB2 Total : Basic Rate Area Weightage 6% Total Rate Providing and removing cent form work for Beams, beam not exceeding 1m in depth specifications. (Item No. 4.3	confirming s not exceed d floor leve any thickne ts, struts, b locks, plain machinery 6 (Item No 5222.00 313.32 5535.32 ering, shutt haunching including co	to IS9103 eding 15 ci of for roof ess) inclu uttresses, window ci y, curing, 94.11) 2 1 2 1 2 1 2 1 2 1 2 3 1 2 2 1 3 5 4.11) 2 1 2 5 4.11) 2 1 5 5 6 7 7 7 7 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7	-1999 Rea ms thick, v slabs, sta iding attac string or la lls, fillets e complete 1.30 1.00 0.85 1.30 8.25 	affirmed -2 vibrated for ircase, lint ched plaste acing cours etc., includ as per s 0.15 0.15 0.15 0.15 0.10	2008 machine or all works in tles, retaining ers, columns, ses, parapets, ling cost of all specifications. 0.150 0.150 0.150 0.150 0.150 0.150	0.02 0.04 0.06 0.12	5535.32	1668.90

6l No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Above Windows : Sides :								
	W2		1 X 2	1.00	0.45	0.15	0.60		
	Bottom		2	0.60	0.15		0.18		
	Above Ventilators : Sides :		0 1 0	0.05		0.45	0.54		
	V1		2 X 2	0.85	0.45	0.15	0.51		
	Bottom		2	0.45	0.15		0.14		
	Above Door Opening:Side		2 X 2	1.30		0.15	0.78		
	Bottom		2 ~ 2	0.90	0.15	0.15	0.78		
	Dottom		2	0.30	0.15		0.27		
	Lintels For Partation wall:								
	LB2		1 X 2	8.25		0.15	2.48		
	Bottom								
	D2		1	0.90		0.10	0.09		
	D3		2	0.75		0.10	0.15		
	OP1		1	0.90		0.10	0.09		
	Total :	Sqm					6.33	239.56	1516.41
	Basic Rate	226.00							
	Area Weightage 6%	13.56							
	Total Rate	239.56							
14	KSRB 4.2.8 : Providing and	laying in po	osition rein	forced cer	ment conc	rete of design			
	mix M20 with OPC cement	@ 320kgs	, with 20m	nm and do	wn size g	raded granite			
		-			-	-			
				e ayyıcy		.40cum, with			
	metal coarse aggregates								
	superplastisiser @3lts confirm				d-2008, m	achine mixed,			
		ming to IS9	103- 1999	Reaffirme					
	superplastisiser @3lts confirm concrete laid in layers not	ning to IS9 exceeding	103- 1999 15 cms t	Reaffirme hick, vibra	ated for R	.C.C. beams,			
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda	ming to IS9 exceeding ation plinth	103- 1999 15 cms t and supers	Reaffirme hick, vibra structure g	ated for R round floo	.C.C. beams, r level for roof			
	superplastisiser @3lts confirm concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu	ming to IS9 exceeding ation plinth umns, inclu	103- 1999 15 cms t and supers iding cost	Reaffirme hick, vibra structure g of all ma	ated for R round floo terials, lab	.C.C. beams, r level for roof oour, HOM of			
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda	ming to IS9 exceeding ation plinth umns, inclu	103- 1999 15 cms t and supers iding cost	Reaffirme hick, vibra structure g of all ma	ated for R round floo terials, lab	.C.C. beams, r level for roof oour, HOM of			
	superplastisiser @3lts confirm concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu	ming to IS9 exceeding ation plinth umns, inclu	103- 1999 15 cms t and supers iding cost	Reaffirme hick, vibra structure g of all ma	ated for R round floo terials, lab	.C.C. beams, r level for roof oour, HOM of			
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete	ming to IS9 exceeding ation plinth umns, inclu	103- 1999 15 cms t and supers iding cost	Reaffirme hick, vibra structure g of all ma	ated for R round floo terials, lab	.C.C. beams, r level for roof oour, HOM of	0.54		
	superplastisiser @3lts confirm concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17)	ming to IS9 exceeding ation plinth umns, inclu	103- 1999 15 cms t and supers iding cost ecifications	Reaffirme hick, vibra structure g of all ma . Specifica	ated for R round floo terials, lab tion No. K	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.54		
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side	ming to IS9 exceeding ation plinth umns, inclu	103- 1999 15 cms t and supers iding cost ecifications 2 1	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18	ated for R round floo terials, lab tion No. K 0.20 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26	0.32		
	superplastisiser @3lts confirm concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17)	ming to IS9 exceeding ation plinth umns, inclu	103- 1999 15 cms t and supers iding cost ecifications 2 1 3	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50	ated for R round floo terials, lab tion No. K 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26	0.32		
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side	ming to IS9 exceeding ation plinth umns, inclu	103- 1999 15 cms t and supers iding cost ecifications 2 1	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18	ated for R round floo terials, lab tion No. K 0.20 0.20 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26	0.32		
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side	ming to IS9 exceeding ation plinth umns, inclu	103- 1999 15 cms t and supers iding cost ecifications 2 1 3	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50	ated for R round floo terials, lab tion No. K 0.20 0.20 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26	0.32	5535.32	9392.11
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total :	ning to IS9 exceeding ation plinth umns, inclu as per spe	103- 1999 15 cms t and supers iding cost ecifications 2 1 3	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50	ated for R round floo terials, lab tion No. K 0.20 0.20 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00	103- 1999 15 cms t and supers iding cost ecifications 2 1 3	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50	ated for R round floo terials, lab tion No. K 0.20 0.20 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6%	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32	103- 1999 15 cms t and supers iding cost ecifications 2 1 3	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50	ated for R round floo terials, lab tion No. K 0.20 0.20 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00	103- 1999 15 cms t and supers iding cost ecifications 2 1 3	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>cum</u> 5222.00 313.32 5535.32	103- 1999 15 cms t and supers ding cost crifications 2 1 3 3	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18 2.50 2.85	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6%	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>cum</u> 5222.00 313.32 5535.32	103- 1999 15 cms t and supers ding cost crifications 2 1 3 3	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18 2.50 2.85	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>5222.00</u> 313.32 5535.32 ering, shutt	103- 1999 15 cms t and supers ding cost crifications 2 1 3 3 3 	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>5222.00</u> 313.32 5535.32 ering, shutt	103- 1999 15 cms t and supers ding cost crifications 2 1 3 3 3 	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching	103- 1999 15 cms t and supers ding cost crifications 2 1 3 3 3 ering, stru- gs, cantilev	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth i	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching c	103- 1999 15 cms t and supers ding cost crifications 2 1 3 3 3 ering, stru- gs, cantilev	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 0.26	0.32 0.39 0.44	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth is specifications. (Item No. 4.3	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching c	103- 1999 15 cms t and supers ding cost crifications 2 1 3 3 3 erring, stru- gs, cantilev ost of all r	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 0.26 0.26	0.32 0.39 0.44 1.70	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth i	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching c	103- 1999 15 cms t and supers ding cost crifications 2 1 3 3 3 	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18 2.50 2.85 tting, prop rer girders, materials, 5.20	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 0.26 0.26 nd removal of ers and lintels mplete as per 0.26	0.32 0.39 0.44 1.70	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth is specifications. (Item No. 4.3 Roof beam : Longer Side	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching c	103- 1999 15 cms t and supers iding cost crifications 2 1 3 3 	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18 2.50 2.85 tting, prop rer girders, materials, 5.20 6.18	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 nd removal of ers and lintels mplete as per 0.26 0.26	0.32 0.39 0.44 1.70 5.41 3.21	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth is specifications. (Item No. 4.3	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching c	103- 1999 15 cms t and supers ding cost crifications 2 1 3 3 3 	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18 2.50 2.85 tting, prop rer girders, materials, 5.20	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	C.C. beams, r level for roof bour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 0.26 0.26 nd removal of ers and lintels mplete as per 0.26	0.32 0.39 0.44 1.70	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth is specifications. (Item No. 4.3 Roof beam : Longer Side	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching c	103- 1999 15 cms t and supers iding cost crifications 2 1 3 3 	Reaffirme hick, vibra structure g of all ma . Specifica 5.20 6.18 2.50 2.85 tting, prop rer girders, materials, 5.20 6.18	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 nd removal of ers and lintels mplete as per 0.26 0.26	0.32 0.39 0.44 1.70 5.41 3.21	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth is specifications. (Item No. 4.3 Roof beam : Longer Side	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching c	103- 1999 15 cms t and supers iding cost crifications 2 1 3 3 	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 nd removal of ers and lintels mplete as per 0.26 0.26 0.26 0.26	0.32 0.39 0.44 1.70 5.41 3.21 3.90	5535.32	9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth is specifications. (Item No. 4.3 Roof beam : Longer Side	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching c	103- 1999 15 cms t and supers iding cost crifications 2 1 3 3 	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 nd removal of ers and lintels mplete as per 0.26 0.26 0.26 0.26	0.32 0.39 0.44 1.70 5.41 3.21 3.90	5535.32	
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth is specifications. (Item No. 4.3 Roof beam : Longer Side Shoter Side	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching including co 34)	103- 1999 15 cms t and supers iding cost crifications 2 1 3 3 	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 nd removal of ers and lintels mplete as per 0.26 0.26 0.26 0.26	0.32 0.39 0.44 1.70 5.41 3.21 3.90 4.45		
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth is specifications. (Item No. 4.3 Roof beam : Longer Side Shoter Side Shoter Side Total : Basic Rate	ning to IS9 exceeding ation plinth umns, inclu as per spe 5222.00 313.32 5535.32 ering, shutt haunching including c 34) Sqm 226.00	103- 1999 15 cms t and supers iding cost crifications 2 1 3 3 	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 nd removal of ers and lintels mplete as per 0.26 0.26 0.26 0.26	0.32 0.39 0.44 1.70 5.41 3.21 3.90 4.45		9392.11
15	superplastisiser @3lts confirr concrete laid in layers not columns of all sizes in founda slabs, staircase, lintles, colu machinery, curing, complete Item No. 4.17) Roof beam : Longer Side Shoter Side Total : Basic Rate Area Weightage 6% Total Rate Providing and removing center form work for Beams, beam not exceeding 1m in depth if specifications. (Item No. 4.3 Roof beam : Longer Side Shoter Side Shoter Side Shoter Side	ning to IS9 exceeding ation plinth umns, inclu as per spe <u>Cum</u> 5222.00 313.32 5535.32 ering, shutt haunching including co 34) Sqm	103- 1999 15 cms t and supers iding cost crifications 2 1 3 3 	Reaffirme hick, vibra structure g of all mai . Specifica 5.20 6.18 2.50 2.85 	ted for R round floo terials, lab tion No. K 0.20 0.20 0.20 0.20 0.20	.C.C. beams, r level for roof pour, HOM of BS 4.1, 4.6 (0.26 0.26 0.26 0.26 nd removal of ers and lintels mplete as per 0.26 0.26 0.26 0.26	0.32 0.39 0.44 1.70 5.41 3.21 3.90 4.45		

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
14	KSRB 4.2.2 : Providing and	laying in p	osition reir	nforced cer	ment conc	rete of design			
	mix 1:1.5:3 (M20) with OPC								
	granite metal, coarse aggreg								
	superplastisiser @3ltrs cor	008 machine							
	mixed, concrete laid in layer	C C							
	foundation plinth and groun		-						
						-			
	walls, return walls, walls (-	-	-	-				
	piers, abutments, pillars, pos			-	-				
	coping, bed blocks, anchor b	-				-			
	materials, labour, HOM of	machinery	/, curing,	complete	as per s	specifications.			
	Specification No. KBS 4.1, 4	.6 (Item N			1				
	Slab : Area X Thickness		1	31.14		0.115	3.58		
	Total :	Cum					3.58	5535.32	19822.53
	Basic Rate	5222.00							
	Area Weightage 6%								
	Total Rate	5535.32							
15	Providing and removing cent	ering, shut	tering, stru	tting, prop	ping etc, a	nd removal of			
	form work for Roof slabs,	staircases	etc., inclu	uding cost	of all mat	terials, labour			
				-					
	complete as per specificatio	ns includin	g all lead a	and lift ch	arges etc.	, complete as			
	per directions of Engineer in	charge. (It	em No 4.2	29)					
	Ground Floor	5 (,					
	Living		1	2.85	3.20		9.12		
	Bed room		1	2.50	2.700		6.75		
	Kitchen		1	2.85	1.50 2.00		4.28		
	Bath W.C		1	1.50 0.90	1.00		3.00 0.90		
	Passage near W.C / Bath		1	1.10	0.90		0.99		
	Sides		1	24.26	0.115		2.79		
	Total :	Sqm					27.82	284.08	7904.50
	Basic Rate	268.00						20.000	100 1100
	Area Weightage 6%	16.08							
	Total Rate	284.08							
16	Providing and laying in pos	ition reinfo	rced ceme	ent concret	te of mix	1:1:5:3 (M20)			
	with 12mm and down size g	aded grani	te metal, n	nachine mi	xed, well c	compacted for			
	plain chejja of 7.5 cms avera								
	all materials labour, HOM of								
	fabrication charges) (Item I								
	For chejja								
	W1		2	1.20	0.30		0.72		
	W2 & V1	-	1	0.68	0.30		0.20		
	V1		1	0.75	0.30		0.23		
	Loft : Bed room loft		1	2.50	0.30		0.75		
	Kitchen loft		1	2.30	0.30		0.86		
	Total :	Sqm					2.75	405.98	1118.07
	Basic Rate	383.00							
	Area Weightage 6%	22.98							

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Total Rate	405.98							
17	Providing and removing cent	ering, shutt	ering, stru	tting, prop	ping etc, ar	nd removal of			
	form work for Chejja etc., i	nplete as per							
	specifications including all le	directions of							
	Engineer in charge. (Item I								
	For chejja								
	W1		2	1.20	0.30		0.72		
	W2 & V1		1	0.68	0.30		0.20		
	V1		1	0.75	0.30		0.23		
	Loft :		4	2.50	0.00		0.75		
	Bed room loft Kitchen loft		1	2.50 2.85	0.30		0.75		
	Richen Ioit		I	2.00	0.30		0.86		
	Total :	Sqm					2.75	242.74	668.51
	Basic Rate	229.00							
	Area Weightage 6%	13.74							
	Total Rate	242.74							
40	Dreviding TMT steel reinform			ساد نصما بمانس	a otroialete				
18	Providing TMT steel reinford	cement for	R.C.C WO	rk includin	ig straighte	ening, cutting,			
	bending, hooking, placing in	position, l	apping an	d / or wel	ding where	ever required,			
	fixing with binding wire and a	nchoring to	the adjoir	ning memb	ers where	er necessary			
			togoo oho	ll not ho n	accourad a	nd naid) anat			
	complete as per design, (laps and wastages shall not be measured and paid) csot								
	complete as per design, (la	ps and was	lages sna	ii not be n	leasureu a	inu paiu) csoi			
		-	-			ina paia) csoi			
	of materials, etc. complete a	-	-	tem No 4.	46.1)		4.07		
	of materials, etc. complete as Footing & Pedestal	-	-	tem No 4. 4.68	46.1) 40.00	Kg/Cmt	1.87		
	of materials, etc. complete as Footing & Pedestal Plinth Beams	-	-	tem No 4. 4.68 1.73	46.1) 40.00 120.00	Kg/Cmt Kg/Cmt	2.08		
	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns	-	-	tem No 4. 4.68 1.73 1.56	46.1) 40.00 120.00 250.00	Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91		
	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams	-	-	tem No 4. 4.68 1.73 1.56 1.70	46.1) 40.00 120.00 250.00 160.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71		
	of materials, etc. complete a Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs	-	-	tem No 4. 4.68 1.73 1.56 1.70 3.58	46.1) 40.00 120.00 250.00 160.00 70.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51		
	of materials, etc. complete a Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel	-	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30	46.1) 40.00 120.00 250.00 160.00 70.00 177.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51 0.53		
	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja	s per specif	-	tem No 4. 4.68 1.73 1.56 1.70 3.58	46.1) 40.00 120.00 250.00 160.00 70.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51 0.53 0.04		
	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total :	s per specif	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30	46.1) 40.00 120.00 250.00 160.00 70.00 177.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51 0.53	7244.04	98906.69
	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate	s per specif	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30	46.1) 40.00 120.00 250.00 160.00 70.00 177.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6%	s per specif Qtl 6834.00 410.04	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30	46.1) 40.00 120.00 250.00 160.00 70.00 177.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate	s per specif	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30	46.1) 40.00 120.00 250.00 160.00 70.00 177.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate	Qtl 6834.00 410.04 7244.04	ications (1	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6%	Qtl 6834.00 410.04 7244.04	ications (1	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer	Qtl 6834.00 410.04 7244.04	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 t with cem smooth re	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 t with cem smooth re	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 t with cem smooth re	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No.	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 t with cem smooth re	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 t with cem smooth re	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I 2.75 single coa r required materials	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 t with cerr smooth re , labour, c	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 ent mortar endering. F curing etc.,	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04 13.65	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04 13.65	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living Bed room	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I 2.75 single coa r required materials	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 ent mortar endering. F curing etc., 3.20 2.70	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04 13.65	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living Bed room Kitchen	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I 2.75 single coa r required materials	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 ent mortar endering. F curing etc., 3.20 2.70 1.50	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04 13.65	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living Bed room	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I 2.75 2.75 single coa r required materials	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 ent mortar endering. F curing etc., 3.20 2.70 1.50 0.75	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 0.53 0.04 13.65 9.12 6.75 4.28 2.70	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living Bed room Kitchen Kitchen Platform wall	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I 2.75 2.75 single coa r required materials.	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 ent mortar endering. F curing etc., 3.20 2.70 1.50 0.75 2.00	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 0.53 0.04 13.65 9.12 6.75 4.28	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living Bed room Kitchen Kitchen Platform wall Bath W.C	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I 2.75 2.75 single coa r required materials	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 ent mortar endering. F curing etc., 3.20 2.70 1.50 0.75	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04 13.65 13.65 9.12 6.75 4.28 2.70 3.00	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living Bed room Kitchen Kitchen Platform wall Bath	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I 2.75 2.75 single coa r required materials	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 20.00 and and an	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04 13.65 13.65 9.12 6.75 4.28 2.70 3.00 0.90	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living Bed room Kitchen Kitchen Platform wall Bath W.C Passage Near W.C / Bath	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I 2.75 2.75 single coa r required materials, 1 1 1 1 6 1 1 1 1	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04 13.65 9.12 6.75 4.28 2.70 3.00 0.90 0.99	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living Bed room Kitchen Platform wall Bath W.C Passage Near W.C / Bath loft : Bed room	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (1	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04 13.65 9.12 6.75 4.28 2.70 3.00 0.90 0.99 2.25	7244.04	98906.69
19	of materials, etc. complete as Footing & Pedestal Plinth Beams Columns Roof Beams Roof Slabs Lintel Chejja Total : Basic Rate Area Weightage 6% Total Rate Providing 12mm thick cemer including rounding off corne removing scaffolding, includ per specification. (Item No. Ground floor : Ceiling plastering Living Bed room Kitchen Platform wall Bath W.C Passage Near W.C / Bath loft : Bed room	Qtl 6834.00 410.04 7244.04 nt plaster in rs whereve ing cost of 15.21)	ications (I ications (I 2.75 2.75 single coa r required materials, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	tem No 4. 4.68 1.73 1.56 1.70 3.58 0.30 0.21 	46.1) 40.00 120.00 250.00 160.00 70.00 177.00 20.00 20.00 	Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt Kg/Cmt 1:3 to ceiling Providing and	2.08 3.91 2.71 2.51 0.53 0.04 13.65 9.12 6.75 4.28 2.70 3.00 0.90 0.99 2.25	7244.04	98906.69

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Area Weightage 6%	9.24							
	Total Rate	163.24							
20	Providing 12mm thick ceme	-	-						
	masonry including roundin	g off corr	ers where	ever requi	ired smoo	oth rendering			
	including Providing and rem complete as per specification	-	-	t of materi	als, labou	r, curing etc.,			
			-	10.40		2.07	20.95		-
	Room hall		1	10.40 9.25		2.87 2.87	29.85 26.55		
			1	2.85		2.07	5.99		
	Kitchen		1	5.85		2.87	16.79		
	Kitchen		1	2.85		2.10	5.99		
	Bath		1	7.00		2.87	20.09		
	Toilet		1	3.8		2.87	10.91		
			1	3.30		2.87	9.47		
	Passage		4	0.60		0.80	1.92		
	Sub Total :		+	0.00		0.00	1.92 127.54		+
	Deduction D1		1	0.90		2.10	1.89		+
	Deduction D2		1	0.90		2.10	1.89		+
	Deduction D3		1	0.30		2.10	1.58		+
	Op1		2	0.90		2.10	3.78		-
	Op2		4	3.20		0.53	6.72		
	Window W1		2	0.90		1.20	2.16		
	Window W2		1	0.75		0.60	0.45		
	WinVentilater V		2	0.45		0.60	0.54		
	Sub Total :		_	0.10		0.00	19.01		
	50 % of the deduction qty :						9.50		
	Tatala	Sqm					440.04	404.00	4 4 6 9 9 9
		Sam					118.04	124.02	14639.2
	Total :								+
	Basic Rate	117.00							-
	Basic Rate Area Weightage 6%	117.00 7.02							
	Basic Rate	117.00							
21	Basic Rate Area Weightage 6% Total Rate	117.00 7.02 124.02	for plaster	ing to wall	and ceili	na . includina			
21	Basic Rate Area Weightage 6%	117.00 7.02 124.02	for plaster	ing to wall	I and ceili	ng , including			
21	Basic Rate Area Weightage 6% Total Rate	117.00 7.02 124.02	for plaster	ing to wall	l and ceili	ng , including			
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime	117.00 7.02 124.02 rendering	·	-					
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur	117.00 7.02 124.02 rendering	·	pecificatior	ns. (Item	No. 15.33)	32.55		
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering	117.00 7.02 124.02 rendering	·	pecificatior Qty Wide	ns. (Item item No :	No. 15.33) 19	32.55		
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur	117.00 7.02 124.02 rendering	·	pecificatior Qty Wide	ns. (Item	No. 15.33) 19	32.55 118.04		
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering	117.00 7.02 124.02 rendering	·	pecificatior Qty Wide	ns. (Item item No :	No. 15.33) 19	118.04	19.08	2873 2
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total :	117.00 7.02 124.02 rendering ing complet	·	pecificatior Qty Wide	ns. (Item item No :	No. 15.33) 19		19.08	2873.2
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate	117.00 7.02 124.02 rendering ing complet Sqm 18.00	·	pecificatior Qty Wide	ns. (Item item No :	No. 15.33) 19	118.04	19.08	2873.2
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate Area Weightage 6%	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08	·	pecificatior Qty Wide	ns. (Item item No :	No. 15.33) 19	118.04	19.08	2873.2
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate	117.00 7.02 124.02 rendering ing complet Sqm 18.00	·	pecificatior Qty Wide	ns. (Item item No :	No. 15.33) 19	118.04	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08	e as per s	pecification Qty Wide Qty Wide	ns. (Item item No : item No :	No. 15.33) 19 20	118.04	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate Area Weightage 6%	117.00 7.02 124.02 rendering ing complet M 18.00 1.08 19.08	e as per s	pecification Qty Wide Qty Wide	ns. (Item item No : item No :	No. 15.33) 19 20	118.04	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate	117.00 7.02 124.02 rendering ing complet 18.00 1.08 19.08 19.08	e as per s	pecification Qty Wide Qty Wide	ns. (Item item No : item No : ment mort	No. 15.33) 19 20 ar 1:6 to brick	118.04	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme	117.00 7.02 124.02 rendering ing complet 18.00 1.08 19.08 19.08	e as per s	pecification Qty Wide Qty Wide	ns. (Item item No : item No : ment mort	No. 15.33) 19 20 ar 1:6 to brick	118.04	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme	117.00 7.02 124.02 rendering ing complet 5qm 18.00 1.08 19.08 19.08 ent plaster in g off corn	n single cc	pecification Qty Wide Qty Wide	ns. (Item item No : item No : ment mort	No. 15.33) 19 20 ar 1:6 to brick th rendering.	118.04	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme masonry including roundin Providing and removing sca	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08 19.08 ent plaster in g off corn ffolding, inc	n single cc	pecification Qty Wide Qty Wide at with cer	ns. (Item item No : item No : ment mort red smoo	No. 15.33) 19 20 ar 1:6 to brick th rendering. r, curing etc.,	118.04	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme masonry including roundin Providing and removing sca complete as per specification	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08 19.08 ent plaster in g off corn ffolding, inc	n single cc	pecification Qty Wide Qty Wide Dat with cer ever requine t of matering. (Item	ns. (Item item No : item No : ment mort red smoo	No. 15.33) 19 20 ar 1:6 to brick th rendering. r, curing etc., 7)	118.04 150.59	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme masonry including roundin Providing and removing sca complete as per specification Ground Floor Out side	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08 19.08 ent plaster in g off corn ffolding, inc	n single cc	pecification Qty Wide Qty Wide at with cer	ns. (Item item No : item No : ment mort red smoo	No. 15.33) 19 20 ar 1:6 to brick th rendering. r, curing etc.,	118.04	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme masonry including roundin Providing and removing sca complete as per specification Ground Floor Out side plastering alround	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08 19.08 ent plaster in g off corn ffolding, inc	te as per s	pecification Qty Wide Qty Wide Dat with cer ever requin t of materi ing. (Item 24.26	ns. (Item item No : item No : ment mort red smoo	No. 15.33) 19 20 ar 1:6 to brick th rendering. r, curing etc., 7)	118.04 150.59 72.78	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme masonry including roundin Providing and removing sca complete as per specification Ground Floor Out side plastering alround Roof Flooring (WPC)	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08 19.08 ent plaster in g off corn ffolding, inc	te as per s	pecification Qty Wide Qty Wide Dat with cer ever requine t of matering. (Item	ns. (Item item No : item No : ment mort red smoo	No. 15.33) 19 20 ar 1:6 to brick th rendering. r, curing etc., 7)	118.04 150.59 72.78 31.14	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme masonry including roundin Providing and removing sca complete as per specificatior Ground Floor Out side plastering alround Roof Flooring (WPC) Sub Total :	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08 19.08 ent plaster in g off corn ffolding, inc	te as per s	pecification Qty Wide Qty Wide Dat with cer ever requin t of materi ing. (Item 24.26	ns. (Item item No : item No : ment mort red smoo	No. 15.33) 19 20 ar 1:6 to brick th rendering. r, curing etc., 7)	118.04 150.59 72.78	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme masonry including roundin Providing and removing sca complete as per specification Ground Floor Out side plastering alround Roof Flooring (WPC) Sub Total : Deductions	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08 19.08 ent plaster in g off corn ffolding, inc	te as per s	pecification Qty Wide Qty Wide Dat with cer ever requine t of matering. (Item 24.26 31.14	ns. (Item item No : item No : ment mort red smoo	No. 15.33) 19 20 20 ar 1:6 to brick th rendering. r, curing etc., 7) 3.00	118.04 150.59 72.78 31.14 103.92	19.08	2873.2
	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme masonry including roundin Providing and removing sca complete as per specification Ground Floor Out side plastering alround Roof Flooring (WPC) Sub Total : Deductions Deduction D1	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08 19.08 ent plaster in g off corn ffolding, inc	te as per s	pecification Qty Wide Qty Wide Dat with cer ever requine t of materi ing. (Item 24.26 31.14 0.90	ns. (Item item No : item No : ment mort red smoo	No. 15.33) 19 20 20 ar 1:6 to brick th rendering. r, curing etc., 7) 3.00 2.10	118.04 150.59 72.78 31.14 103.92 1.89	19.08	2873.2
21	Basic Rate Area Weightage 6% Total Rate KSRB15-7 : Providing lime cost of materials, labour, cur Inside plastering Ceiling plastering Ceiling plastering Total : Basic Rate Area Weightage 6% Total Rate Providing 18 mm thick ceme masonry including roundin Providing and removing sca complete as per specification Ground Floor Out side plastering alround Roof Flooring (WPC) Sub Total : Deductions	117.00 7.02 124.02 rendering ing complet Sqm 18.00 1.08 19.08 19.08 ent plaster in g off corn ffolding, inc	te as per s	pecification Qty Wide Qty Wide Dat with cer ever requine t of matering. (Item 24.26 31.14	ns. (Item item No : item No : ment mort red smoo	No. 15.33) 19 20 20 ar 1:6 to brick th rendering. r, curing etc., 7) 3.00	118.04 150.59 72.78 31.14 103.92	19.08	2873.2

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	WinVentilater V		2	0.45		0.60	0.54		
	Sub Total :						8.82		
	50 % of the deduction qty :					50%	4.41		
	Total :	Sqm					99.51	165.36	16454.97
	Basic Rate	156.00						100100	
	Area Weightage 6%	9.36							
	Total Rate	165.36							
23	KSRB 15-14.1 : Providing an	d applying	two coats	with oil bo	und washa	able distemper			
	of approved brand and shade	e on wall s	urface incl	luding prim	ning coat v	with distemper			
	primer after throughly broomi	ng the surf	ace free fr	om mortar	drops and	d other foreign			
	matter including preparing	the surfac	e even a	nd sand	paper sm	ooth, cost of			
	materials, labour, complete a	s per speci	fications.						
	Inside plastering				e item No :		118.04		
	Ceiling plastering			Qty Wide	e item No :	20	32.55		
	Total :	Sam					150 50	56.00	0422.04
	Basic Rate	Sqm 56.00					150.59	56.00	8433.01
	Area Weightage 6%	3.36							
	Total Rate	59.36							
24	KSRB 15-16.1 : Providing a approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2)	e to give a d loose pow	n even sh vdered ma	ade after iterial, free	throughly e from mo	brooming the rtar drops and			
24	approved brand and shade surface to remove all dirt and other foreign matter cost of n	e to give a d loose pow	n even sh vdered ma	ade after iterial, free iplete as p	throughly e from mo	brooming the rtar drops and cations. (Item	68.37		
24	approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2) Outside plastering Total :	e to give an d loose pow naterials, la Sqm	n even sh vdered ma	ade after iterial, free iplete as p	throughly e from mo per specific	brooming the rtar drops and cations. (Item	68.37 68.37	78.44	5362.94
24	approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2) Outside plastering Total : Basic Rate	e to give and loose powenaterials, la Sqm 74.00	n even sh vdered ma	ade after iterial, free iplete as p	throughly e from mo per specific	brooming the rtar drops and cations. (Item		78.44	5362.94
24	approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6%	e to give and loose powenaterials, la series of the series	n even sh vdered ma	ade after iterial, free iplete as p	throughly e from mo per specific	brooming the rtar drops and cations. (Item		78.44	5362.94
24	approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2) Outside plastering Total : Basic Rate	e to give and loose powenaterials, la Sqm 74.00	n even sh vdered ma	ade after iterial, free iplete as p	throughly e from mo per specific	brooming the rtar drops and cations. (Item		78.44	5362.94
24	approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6%	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44	n even sh vdered ma abour, com	ade after terial, free nplete as p Qty Wide	throughly e from more per specific e item No :	brooming the rtar drops and cations. (Item 22		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do	e to give and d loose powenaterials, la Sqm 74.00 4.44 78.44 poor frames	n even sh vdered ma abour, com	ade after terial, free pplete as p Qty Wide	throughly e from more er specific e item No :	brooming the rtar drops and cations. (Item 22 .C. 1:1 1/2 :3		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m	e to give and d loose powenaterials, la sqm 74.00 4.44 78.44 poor frames and dia. Ma	n even sh vdered ma abour, com factory m in bars an	ade after tterial, free pplete as p Qty Wide anufacture d 6 mm di	throughly e from more er specific e item No :	brooming the rtar drops and cations. (Item 22 22 .C. 1:1 1/2 :3 s welded at 30		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 por frames am dia. Ma cluding cos	factory m in bars an	Ade after terial, free hplete as p Qty Wide anufacture d 6 mm di and fabric	throughly e from more er specific e item No : e item Item Item Item Item Item Item Item I	brooming the rtar drops and cations. (Item 22 .C. 1:1 1/2 :3 s welded at 30 rges having 3		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x	e to give and d loose powenaterials, la sqm 74.00 4.44 78.44 78.44 poor frames and dia. Ma cluding cos 3mm M.S.	n even sh vdered ma abour, com factory m in bars an t of steel flat welde	ade after terial, free pplete as p Qty Wide anufacture d 6 mm di and fabric ed with req	throughly e from more per specific e item No : e item Item Item Item Item Item Item Item I	brooming the rtar drops and cations. (Item 22 .C. 1:1 1/2 :3 s welded at 30 rges having 3 rods and flats		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind	e to give and d loose powenaterials, la sqm 74.00 4.44 78.44 78.44 poor frames and dia. Ma cluding cos 3mm M.S.	n even sh vdered ma abour, com factory m in bars an t of steel flat welde	ade after terial, free pplete as p Qty Wide anufacture d 6 mm di and fabric ed with req	throughly e from more per specific e item No : e item Item Item Item Item Item Item Item I	brooming the rtar drops and cations. (Item 22 .C. 1:1 1/2 :3 s welded at 30 rges having 3 rods and flats		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 por frames am dia. Ma cluding cos 3mm M.S. of flat screw	factory m in bars an t of steel flat welde	Ade after terial, free hplete as p Qty Wide anufacture d 6 mm di and fabric d with req h in concre	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 .C. 1:1 1/2 :3 s welded at 30 rges having 3 rods and flats ng hinges and		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of n No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.o	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 78.44 Door frames am dia. Ma cluding cos 3mm M.S. of flat screw in concrete	n even sh vdered ma abour, com factory m in bars an t of steel flat welde v nuts eac for fixing	ade after terial, free plete as p Qty Wide dty Wide anufacture d 6 mm di and fabric and fabric d with req h in concre aldrops, to	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 .C. 1:1 1/2 :3 s welded at 30 rges having 3 rods and flats ng hinges and etc., including		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.0 making necessary provision i cost of one coat of oil base	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 por frames am dia. Ma cluding cos 3mm M.S. of flat screw in concrete d enamel p	factory m in bars an flat welde nuts eac for fixing primer, 4	ade after terial, free pplete as p Qty Wide anufacture d 6 mm di and fabric d with req h in concre aldrops, to No.of hold	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.0 making necessary provision i cost of one coat of oil base oxidised hinges necessary m	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 por frames am dia. Ma cluding cos 3mm M.S. of flat screw in concrete d enamel p	factory m in bars an flat welde nuts eac for fixing primer, 4	ade after terial, free pplete as p Qty Wide anufacture d 6 mm di and fabric d with req h in concre aldrops, to No.of hold	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 		78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.0 making necessary provision i cost of one coat of oil base oxidised hinges necessary m frames. (Item No:9.98)	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 por frames am dia. Ma cluding cos 3mm M.S. of flat screw in concrete d enamel p	n even sh vdered ma abour, com factory m in bars an t of steel flat welde v nuts eac for fixing primer, 4 s etc., com	ade after terial, free plete as p Qty Wide dty Wide anufacture d 6 mm di and fabric d with req h in concre aldrops, to No.of holo	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 	68.37	78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.0 making necessary provision i cost of one coat of oil base oxidised hinges necessary m frames. (Item No:9.98) Door - D1: With threshold	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 por frames am dia. Ma cluding cos 3mm M.S. of flat screw in concrete d enamel p	factory m in bars an t of steel flat welde nuts eac for fixing primer, 4 s etc., com	ade after terial, free plete as p Qty Wide anufacture d 6 mm di and fabric d 6 mm di and fabric d with req h in concre aldrops, to No.of hold plete. 60r	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 	68.37	78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.0 making necessary provision is cost of one coat of oil base oxidised hinges necessary m frames. (Item No:9.98) Door - D1: With threshold	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 por frames am dia. Ma cluding cos 3mm M.S. of flat screw in concrete d enamel p	n even sh vdered ma abour, com factory m in bars an t of steel flat welde v nuts eac for fixing primer, 4 s etc., com	ade after terial, free plete as p Qty Wide dty Wide anufacture d 6 mm di and fabric d with req h in concre aldrops, to No.of holo	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 	68.37	78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.0 making necessary provision is cost of one coat of oil base oxidised hinges necessary m frames. (Item No:9.98) Door - D1: With threshold Door - D1 : Without	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 por frames am dia. Ma cluding cos 3mm M.S. of flat screw in concrete d enamel p	factory m in bars an t of steel flat welde nuts eac for fixing primer, 4 s etc., com	ade after terial, free plete as p Qty Wide anufacture d 6 mm di and fabric d 6 mm di and fabric d with req h in concre aldrops, to No.of hold plete. 60r	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 	68.37	78.44	5362.94
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.o making necessary provision i cost of one coat of oil base oxidised hinges necessary m frames. (Item No:9.98) Door - D1: With threshold Door - D1 : Without threshold Total :	e to give an d loose pow naterials, la Sqm 74.00 4.44 78.44 78.44 bor frames im dia. Ma cluding cos 3mm M.S. of flat screws in concrete d enamel p etal screws	factory m in bars an t of steel flat welde nuts eac for fixing primer, 4 s etc., com	ade after terial, free plete as p Qty Wide anufacture d 6 mm di and fabric d 6 mm di and fabric d with req h in concre aldrops, to No.of hold plete. 60r	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 	68.37	78.44	2564.99
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.o making necessary provision i cost of one coat of oil base oxidised hinges necessary m frames. (Item No:9.98) Door - D1: With threshold Door - D1 : Without threshold Total : Basic Rate	e to give an d loose pow naterials, la <u>Sqm</u> 74.00 4.44 78.44 78.44 Door frames am dia. Ma cluding cos 3mm M.S. of flat screws in concrete d enamel p etal screws m 218.00	factory m in bars an t of steel flat welde nuts eac for fixing primer, 4 s etc., com	ade after terial, free plete as p Qty Wide anufacture d 6 mm di and fabric d 6 mm di and fabric d with req h in concre aldrops, to No.of hold plete. 60r	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 	68.37 6.00 5.10		
	approved brand and shade surface to remove all dirt and other foreign matter cost of m No. 15.53.2) Outside plastering Total : Basic Rate Area Weightage 6% Total Rate Providing and fixing RCC do reinforced with 3 Nos. of 6 m cm C/C, vibrating, curing ind Nos. of hinges with 20mm x with drilling and fixing 4 No.o making necessary provision i cost of one coat of oil base oxidised hinges necessary m frames. (Item No:9.98) Door - D1: With threshold Door - D1 : Without threshold Total :	e to give an d loose pow naterials, la Sqm 74.00 4.44 78.44 78.44 bor frames im dia. Ma cluding cos 3mm M.S. of flat screws in concrete d enamel p etal screws	factory m in bars an t of steel flat welde nuts eac for fixing primer, 4 s etc., com	ade after terial, free plete as p Qty Wide anufacture d 6 mm di and fabric d 6 mm di and fabric d with req h in concre aldrops, to No.of hold plete. 60r	throughly e from more per specific e item No : e item item item item item item item ite	brooming the rtar drops and cations. (Item 22 	68.37 6.00 5.10		

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
26	Providing and fixing of factor	ory made s	ingle leaf	HDF skin	sandwich	ed composite			
	door shutter of 32 mm thick	laminated v	with 2 HD	F skins wit	h wood gr	ain finish and			
	high quality structural honey	comb core	materials,	the thickne	ess of the	skin shall not			
	be less than 3 mm and ho	ney comb	core of 29) mm thick	k, good qu	ality wooden			
	reinforcement properly seas	oned havin	g a cross	section 6	5X28 mm	for fixing the			
	metal fittings such as towe	er bolts, alo	drops etc.,	, shall be	provided	, a structural			
	bonding material compatible	with the ho	oney comb	o core, wo	od & HDF	skin shall be			
	used for bonding, the HDF	skin, core	and woo	oden reinfo	prcement a	assembly are			
	bonded together at high t	emperature	and pre	ssure by	compress	ion moulding			
	process. The door surface of	coated with	2 coats of	high quali	ty primer a	nd 2 coats of			
	paint of approved make and		•						
	specifications and tested as	-		-					
	lead and lift, loading, unload	-			-	nd as per the			
	directions of engineer-in-cha	rge of the w			ved Rate)	1.00			
	Door - D1		2	0.78		1.98	3.09		
	Total :	Sqm					3.09	2400.00	7413.12
27	Providing and fixing in positi	on in ceme	nt concret	e 1:3:6 Ste	el alazed	windows and			
-1	ventilators side hung / top h				U				
	using Z angles of 25x46x3					-			
	frames and central mullion	-	-	-					
	providing T section 19x19x				• •	0 1			
	more than 34 cms. C/C ind	-	-	-					
					a afirma ta l				
	with teakwood beading of re-	quired size,	all section	is should c	confirm to I	S 7452:1990,			
	with teakwood beading of reading. of holdfasts of approximately approxim	•							
	•	ved size, s	ection sho	ould be cu	t to length	welded and			
	4nos. of holdfasts of appro-	ved size, s ing frames	ection sho of unit sha	ould be cu all be tend	t to length Inned and	n welded and revetted into			
	4nos. of holdfasts of appro electrically grinded subdividi	ved size, s ing frames the steel su	ection sho of unit sha urface sha	ould be cu all be tenc Il be throu	t to length onned and gly cleane	welded and revetted into d free of rust			
	4nos. of holdfasts of appro electrically grinded subdividi the frames electrically. All	ved size, s ing frames the steel su of anti-coro	ection sho of unit sha urface sha sive paint	ould be cu all be tenc Il be throu and finins	t to length onned and gly cleane shing with	n welded and revetted into d free of rust two caats of			
	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine	ved size, sing frames the steel su of anti-coro d colour and	ection sho of unit sha urface sha sive paint d make ind	ould be cu all be tenco Il be throu and finins cluding cos ecifications	t to length onned and gly cleane shing with st of mate	n welded and revetted into d free of rust two caats of rials, fixtures,			
	4nos. of holdfasts of appro- electrically grinded subdividi- the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1	ved size, sing frames the steel su of anti-coro d colour and	ection sho of unit sha urface sha sive paint d make ind as per sp 2	buld be cu all be tenco Il be throu and fining cluding cos ecifications 0.90	t to length onned and gly cleane shing with st of mate	n welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20	2.16		
	4nos. of holdfasts of appro- electrically grinded subdividi- the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2	ved size, sing frames the steel su of anti-coro d colour and	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1	buld be cu all be tenco Il be throu and finins cluding cos ecifications 0.90 0.60	t to length onned and gly cleane shing with st of mate	n welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45	0.27		
	4nos. of holdfasts of appro- electrically grinded subdividi- the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1	ved size, sing frames the steel su of anti-coro d colour and	ection sho of unit sha urface sha sive paint d make ind as per sp 2	buld be cu all be tenco Il be throu and fining cluding cos ecifications 0.90	t to length onned and gly cleane shing with st of mate	n welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20			
	4nos. of holdfasts of appro- electrically grinded subdivide the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V Total :	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1	buld be cu all be tenco Il be throu and finins cluding cos ecifications 0.90 0.60	t to length onned and gly cleane shing with st of mate	n welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45	0.27	3058.10	8669.71
	4nos. of holdfasts of appro- electrically grinded subdividi- the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V Total : Basic Rate	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1	buld be cu all be tenco Il be throu and finins cluding cos ecifications 0.90 0.60	t to length onned and gly cleane shing with st of mate	n welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45	0.27 0.41	3058.10	8669.71
	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V Total : Basic Rate Area Weightage 6%	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1	buld be cu all be tenco Il be throu and finins cluding cos ecifications 0.90 0.60	t to length onned and gly cleane shing with st of mate	n welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45	0.27 0.41	3058.10	8669.71
	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V V Total : Basic Rate Area Weightage 6% Total Rate	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1 2	ould be cu all be tenco Il be throu and finins cluding cos ecifications 0.90 0.60 0.45	t to length onned and gly cleane shing with st of mate s. (Item N	n welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V Total : Basic Rate Area Weightage 6%	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1 2	ould be cu all be tenco Il be throu and finins cluding cos ecifications 0.90 0.60 0.45	t to length onned and gly cleane shing with st of mate s. (Item N	n welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V V Total : Basic Rate Area Weightage 6% Total Rate	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1 2 1 2	e of 20mr	t to length onned and gly cleane shing with st of mate s. (Item N	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally o	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	e of 20mr o 4 nos w	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall e and groove	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm locking arrangements. The	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally of shutter fra	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1 2 1 2 1 2 4 utters mad divided int ame is m	e of 20mm e of 20mm o 4 nos w	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall e and groove with the wall	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm locking arrangements. The thickness of 1.5mm+0.15mm	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally of shutter fra-	ection sho of unit sha urface sha sive paint d make ind as per sp 2 1 2 1 2 1 2 4 utters mad divided int ame is m etricut and	e of 20mr o 4 nos w add of 50 pointed at 4	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall e and groove with the wall with 125mm x	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm locking arrangements. The	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally of shutter fra-	ection sho of unit sha urface sha sive paint d make ind as per sp 2 1 2 1 2 1 2 4 utters mad divided int ame is m etricut and	e of 20mr o 4 nos w add of 50 pointed at 4	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall e and groove with the wall with 125mm x	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm locking arrangements. The thickness of 1.5mm+0.15mm	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally of shutter fra- n section me rods. Teak	ection sho of unit sha urface sha sive paint d make ind as per sp 2 1 2 1 2 1 2 4 utters mad divided int ame is m etricut and wood batt	e of 20mr ound be cu and finins cluding cos ecifications 0.90 0.60 0.45 e of 20mr o 4 nos w hade of 56 jointed at 4 oms shall	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall with the wall with the wall with 125mm x ced inside the	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm locking arrangements. The thickness of 1.5mm+0.15mm 225mm 2 Nos of 8mm PVC	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally of shutter fra- n section me rods. Teak cation of the	ection sho of unit sha urface sha sive paint d make ind as per sp 2 1 2 1 2 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4	e of 20mr outs of 50 outs of 50 o	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall with the wall with the wall with 125mm x ced inside the a whevere the	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm locking arrangements. The thickness of 1.5mm+0.15mm 225mm 2 Nos of 8mm PVC door shutter during the fabri	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally of shutter fra- n section me rods. Teak cation of the	ection sho of unit sha urface sha sive paint d make ind as per sp 2 1 2 1 2 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4	e of 20mr outs of 50 outs of 50 o	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall with the wall with the wall with 125mm x ced inside the a whevere the	0.27 0.41	3058.10	8669.71
28	4nos. of holdfasts of approvelectrically grinded subdividit the frames electrically. All and painted with one coat or ready mix paint of approved labour and HOM of machine W1 W2 V V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm locking arrangements. The thickness of 1.5mm+0.15mm 225mm 2 Nos of 8mm PVC door shutter during the fabri hardware is fixed on to the d Door - D3	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally of shutter fra- n section me rods. Teak cation of the oor shutter,	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1 2 1 2 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4	e of 20mr out of shall utters at th ecifications	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall e and groove with the wall with 125mm x ced inside the a whevere the o : 9.86)	0.27 0.41 2.84 3.15		
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm locking arrangements. The thickness of 1.5mm+0.15mm 225mm 2 Nos of 8mm PVC door shutter during the fabri hardware is fixed on to the d	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally of shutter fra- n section me rods. Teak cation of the	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1 2 1 2 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4	e of 20mr out of shall utters at th ecifications	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall e and groove with the wall with 125mm x ced inside the a whevere the o : 9.86)	0.27 0.41 2.84	3058.10	8669.71
28	4nos. of holdfasts of appro- electrically grinded subdividi the frames electrically. All and painted with one coat ready mix paint of approved labour and HOM of machine W1 W2 V V Total : Basic Rate Area Weightage 6% Total Rate Supplying and fixing of PV thickness of 1.0mm+/-0.1mm locking arrangements. The thickness of 1.5mm+0.15mm 225mm 2 Nos of 8mm PVC door shutter during the fabri hardware is fixed on to the d Door - D3 Total :	ved size, s ing frames the steel su of anti-coro d colour and ry complete Sqm 2885.00 173.10 3058.10 C door shu m equally of shutter fra- n section me rods. Teak cation of the oor shutter, Sqm	ection sho of unit sha urface sha sive paint d make ind as per spo 2 1 2 1 2 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4	e of 20mr out of shall utters at th ecifications	t to length onned and gly cleane shing with st of mate s. (Item N 	welded and revetted into d free of rust two caats of rials, fixtures, No. 7.8) 1.20 0.45 0.45 0.45 with the wall e and groove with the wall with 125mm x ced inside the a whevere the o : 9.86)	0.27 0.41 2.84 3.15		

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
29	KSRB 14.7-2 : Providing an	d laying rea	d oxide flo	oring 40 r	nm thick, v	with an under			
	layer of 30mm thick M-15 ce	ement conc	rete, using	g broken g	ranite met	tal of 12.5mm			
	nominal size and top layer of	f 10mm thic	ck plaster v	with 1:3 ce	ement mort	tar mixed with			
	red oxide (using 3.5 kg of re	ea oxiae per	50 kg of c	cement) fi	nisned with	n floating coat			
	of neat cement mixed with r	ed oxide (mix of sar	ne propor	tion), inc	luding cost of			
	materials, labour, curing, con	nplete as p	er specifica	ations. Sp	ecification	No. KBS 14.3			
	(Item No. 14.9)								
	Living		1	2.85	3.20		9.12		
	Bed room		1	2.50	2.70		6.75		
	Kitchen		1	2.85	1.50		4.28		
	Bath		1	1.50	2.00		3.00		
	W.C Passage Near W.C / Bath		1	0.90	1.00 0.90		0.90		
	1 abage Near W.O / Dain			1.10	0.00		0.00		
	Total :	Sqm					25.04	506.68	12684.73
	Basic Rate	478.00							
	Area Weightage 6% Total Rate	28.68 506.68							
		300.00							
30	KSRB 14.10-3 : Providing flo	poring with	25mm to 4	0mm thic	k ploshed	Cadapa slabs			
	using cement mortar 1:6, 25	5mm thick a	over existir	ng cement	concrete	bed or top of			
	reaf laid to line and layed and	الانبيد امصلحانها	م المعند معند ما		سيما ما الالار الم				
	roof laid to line and level and	l jointed wit	h cement s	slurry mixe	d with pigr	nent to match			
	roof laid to line and level and the shade of the slabs, include	-		•					
	the shade of the slabs, includ	ding cost of		•					
	the shade of the slabs, includ as per specification. (item N	ding cost of	materails,	labour, cu		hing complete	1.71		
	the shade of the slabs, includ	ding cost of		•			1.71		
	the shade of the slabs, includ as per specification. (item N Kitchen platform Total :	ding cost of lo : 14.17) Sqm	materails,	labour, cu		hing complete	1.71 1.71	1017.60	1740.10
	the shade of the slabs, includ as per specification. (item N Kitchen platform Total : Basic Rate	ding cost of lo : 14.17) Sqm 960.00	materails,	labour, cu		hing complete		1017.60	1740.10
	the shade of the slabs, includ as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6%	ding cost of lo : 14.17) Sqm 960.00 57.60	materails,	labour, cu		hing complete		1017.60	1740.10
	the shade of the slabs, includ as per specification. (item N Kitchen platform Total : Basic Rate	ding cost of lo : 14.17) Sqm 960.00	materails,	labour, cu		hing complete		1017.60	1740.10
31	the shade of the slabs, includ as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60	materails,	2.85	iring, polisi	hing complete 0.60		1017.60	1740.10
31	the shade of the slabs, includ as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink o	materails,	2.85	rring, polisi	hing complete 0.60		1017.60	1740.10
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless st granite / cuddapa slab of by	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink o y cutting re	materails,	abour, cu 2.85 to 60cms ckness an	x 45cms in d width of	hing complete 0.60 n 20mm thick grooves and		1017.60	1740.10
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc.,	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink o y cutting re complete ir	materails,	2.85 2.85 to 60cms ckness an ost & conv	x 45cms in d width of reyance of	hing complete 0.60 n 20mm thick grooves and all materails,		1017.60	1740.10
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless st granite / cuddapa slab of by	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink o y cutting re complete ir	materails,	2.85 2.85 to 60cms ckness an ost & conv	x 45cms in d width of reyance of	hing complete 0.60 n 20mm thick grooves and all materails,		1017.60	1740.10
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc.,	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink o y cutting re complete ir complete ir	materails,	2.85 2.85 to 60cms ckness an ost & conv t with all	x 45cms in d width of reyance of lead & lift	hing complete 0.60 n 20mm thick grooves and all materails, loading and		1017.60	1740.10
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless st granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of complete in s, HOM of arges and a	materails,	abour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch	x 45cms in d width of reyance of lead & lift, harges etc.	n 20mm thick grooves and all materails, , loading and , complete as		1017.60	1740.10
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation chaper specification and direction	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of complete in s, HOM of arges and a	materails,	abour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch	x 45cms in d width of reyance of lead & lift, harges etc.	n 20mm thick grooves and all materails, , loading and , complete as		1017.60	1740.10
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91)	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of complete in s, HOM of arges and a	materails,	abour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch	x 45cms in d width of reyance of lead & lift, harges etc.	n 20mm thick grooves and all materails, , loading and , complete as		1017.60	1740.10
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of y cutting re complete in k, HOM of arges and a ons of the l	materails,	abour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch	x 45cms in d width of reyance of lead & lift, harges etc.	n 20mm thick grooves and all materails, , loading and , complete as	1.71		
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total :	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of y cutting re complete in k, HOM of arges and a ons of the l Each	materails,	abour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch	x 45cms in d width of reyance of lead & lift, harges etc.	n 20mm thick grooves and all materails, , loading and , complete as	1.71	1017.60 	641.30
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of steel sink of arges and a ons of the l Each 605.00	materails,	abour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch	x 45cms in d width of reyance of lead & lift, harges etc.	n 20mm thick grooves and all materails, , loading and , complete as	1.71		
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate Area Weightage 6%	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of steel sink of y cutting re complete ir arges and a ons of the f each 605.00 36.30	materails,	abour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch	x 45cms in d width of reyance of lead & lift, harges etc.	n 20mm thick grooves and all materails, , loading and , complete as	1.71		
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of steel sink of arges and a ons of the l Each 605.00	materails,	abour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch	x 45cms in d width of reyance of lead & lift, harges etc.	n 20mm thick grooves and all materails, , loading and , complete as	1.71		
31	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate Area Weightage 6%	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of y cutting re complete ir k, HOM of arges and a ons of the I Each 605.00 36.30 641.30	materails,	2.85	x 45cms in d width of reyance of lead & lift, arges etc.	hing complete 0.60 n 20mm thick grooves and all materails, loading and complete as c. (Item No -	1.71		
	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Cutting granite / Cuddapa slab	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of y cutting re complete in k, HOM of arges and a ons of the l Each 605.00 36.30 641.30	materails,	labour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch n-charge c	x 45cms in d width of revance of lead & lift, harges etc. of the work	hing complete 0.60 n 20mm thick grooves and all materails, loading and complete as c. (Item No -	1.71		
	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Cutting granite / Cuddapa sl fixing stainless steel sink upto	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of y cutting re complete in k, HOM of arges and a ons of the l Each 605.00 36.30 641.30	materails,	labour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch n-charge c	x 45cms in d width of revance of lead & lift, harges etc. of the work	hing complete 0.60 n 20mm thick grooves and all materails, loading and complete as c. (Item No -	1.71		
	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless st granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Cutting granite / Cuddapa st fixing stainless steel sink upte 13.92.1)	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of y cutting re complete in k, HOM of arges and a ons of the l Each 605.00 36.30 641.30	materails,	labour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch n-charge c	x 45cms in d width of revance of lead & lift, harges etc. of the work	hing complete 0.60 n 20mm thick grooves and all materails, loading and complete as c. (Item No -	1.71 1.00 1.00		
	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless s granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Cutting granite / Cuddapa sl fixing stainless steel sink upto	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of y cutting re complete in k, HOM of arges and a ons of the l Each 605.00 36.30 641.30	materails,	labour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch n-charge c	x 45cms in d width of revance of lead & lift, harges etc. of the work	hing complete 0.60 n 20mm thick grooves and all materails, loading and complete as c. (Item No -	1.71		
	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless st granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Cutting granite / Cuddapa st fixing stainless steel sink upte 13.92.1)	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink of y cutting re complete in k, HOM of arges and a ons of the l Each 605.00 36.30 641.30	materails,	labour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch n-charge c	x 45cms in d width of reyance of lead & lift, harges etc. of the work	hing complete 0.60 n 20mm thick grooves and all materails, loading and complete as c. (Item No -	1.71 1.00 1.00		
	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless se granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Cutting granite / Cuddapa se fixing stainless steel sink upto 13.92.1) Kitchen platform	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink o y cutting re complete in x, HOM of arges and a ons of the I Each 605.00 36.30 641.30 lab upto 40 o 60cms x 4	materails,	labour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch n-charge c	x 45cms in d width of reyance of lead & lift, harges etc. of the work	hing complete 0.60 n 20mm thick grooves and all materails, loading and complete as c. (Item No -	1.71 1.00 1.00 1.00	641.30	641.30
	the shade of the slabs, include as per specification. (item N Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Providing & fixing stainless se granite / cuddapa slab of by fixing using adhesives etc., labour for all items of work unloading, transportation cha per specification and direction 13.91) Kitchen platform Total : Basic Rate Area Weightage 6% Total Rate Cutting granite / Cuddapa se fixing stainless steel sink upto 13.92.1) Kitchen platform	ding cost of lo : 14.17) Sqm 960.00 57.60 1017.60 steel sink o y cutting re complete in x, HOM of arges and a ons of the R 605.00 36.30 641.30 lab upto 40 o 60cms x 4	materails,	labour, cu 2.85 to 60cms ckness an ost & conv t with all cidental ch n-charge c	x 45cms in d width of reyance of lead & lift, harges etc. of the work	hing complete 0.60 n 20mm thick grooves and all materails, loading and complete as c. (Item No -	1.71 1.00 1.00 1.00	641.30	641.30

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
33	Miscellaneous and Unforsee	n Charges							11.38
		in onargoo							
					Tot	al for Civil	work for O	ne House :	421400.00
This i	s to Certified that :								
1	Area comes under the juris	sidiction of I	KSDB						
2	Estimate prepared based o	n the SR o	f 2013-14						
	Assistant Enningen		Assister	t Eve evitiv	- Engines	-			
	Assistant Engineer			, Sub-Divi	e Enginee sion.	ſ		ecutive Engi No.2, Divisio	
				, Banga DB, Banga				SDB, Banga	

	KA	RNATA	KA SL	UM DE	VELOP	MENT E	BOARD		1
NAM	IE OF THE PROJECT	:- DETA	ILED ES	TIMATE	FOR IN	TERNAL	WATER SU	IPPLY WO	RKS FOR
	CONSTRUCTION O	F 666 (G.	F) DU'S	HOUSIN	IG AT KI	UVEMPU	NAGARA S	LUM (IN-S	ITU
D		UDING IN	FRAST	RUCTUR	E IN BAI	NGALOR	E CITY, BY	ATRAYAN	APURA
	,				ER RAY		,		
						•			
II : IN	TERNAL WATER	SUPPL	(:		1	1		_ 1	
SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
1	KSRB13-6.1-1 : Providing	and fixing ir	n position	brass bib o	cock of app	proved quali	tv		
	15mm nominal bore includ	•	•			•	-		
	with all leads complete as	0				• •			
	Item No :13.23)	per specific		ecilication		10.2.2/10.0	· ·		
	item NO . 13.23 j		1	3.00			3.00		
			-					-	
	Total :	Each					3.00	231.08	693.24
	Basic Rate Area Weightage 6%								
	Total Rate							-	
								_	
2	KSRB13-8.1 : Providing	and fixing	, to wall,	ceiling a	and floor,	low densi	ty		
	polyethylene pipes 6.00	kgf/sq.cm	working p	ressure 2	0mm outs	side diamet	er		
	compression type fittings	wall clips	, making	good the	wall, ceili	ing and flo	or		
	including cost of all mate	rials, labour	r charges,	HOM of	equipment	s and testir	ng		
	excluding cost of fitting etc	., complete	as per Spe	ecification	(Item No	:13.66)			
			1	10.00			10.00		
	Tatala	Durat					40.00	00.04	000.40
	Total : Basic Rate	Rmt 84.00					10.00	89.04	890.40
	Area Weightage 6%								
	Total Rate	89.04							
3	KSRB13-6.3-1 : Providing approved quality (screwed	Ū.		Ū.					
	labour and HOM of equi	oments with	n all leads	s complete	e as per s	specification	s.		
	Specification No. KBS 13.2	2 6/13 3 (It e	m No ·13	32)					
			1	1.00			1.00		
		_							
	Total :	Each					1.00	340.26	340.26
	Basic Rate Area Weightage 6%								
	Total Rate							<u> </u>	
4	Miscellaneous and Unforse	en Charges	S						26.10
			Total	for Inter	nal water	sunnly w	ork for One	House .	1950.00
						201010.0 44			
This i	s to Certified that :				ч Т		1		1
4	Area anno under the tu	riaidiation - f							
1 2	Area comes under the ju Estimate prepared based			4					
3	Area weightage of Banga								
	Assistant Engineer			nt Executiv I, Sub-Divi	e Enginee	r	E	xecutive Engi No.2, Divisio	
<u> </u>			INO:4	r, JUD-DIVI	51011,			INU.Z, DIVISIO	ות,

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
			KSI	DB, Banga	lore		K	SDB, Banga	lore

	ň		<u>ara 51</u>			PMENT BC	DARD		
	NAME OF THE PROJ	ECT :- D	ETAILEI	D ESTIM	ATE FOR		SANITA	RY WORKS	FOR
CON	STRUCTION OF 666 (0	G.F) DU'S	HOUSIN	NG AT K	UVEMPU	INAGARA SI	_UM (IN-	SITU DEVE	
IN	ICLUDING INFRASTR	UCTURE	IN BANG	GALORE	CITY, B	YATRAYAN	APURA A		ER RAY.
III : I	NTERNAL SANITA	RY SUP	PLY:						
					_	_			_
SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
1	Providing and fixing CI		•			2			
	Specifications and constru-								
	of cost of materails and fix		onveyance	e of matera	ils to work	spot) 10cms			
	X 7.5 Cms (Item No - 12.1	133.1)	1	2.00			2.00		
			I	2.00			2.00		
	Total :						2.00	265.00	530.00
	Basic Rate Area Weightage 6%								
	Total Rate								
2	KSRB 8.6-8 : Providing and	d fixina on v	vall surface	e 4.0 ka / s	a.cm H.D.	P.E. raindown			
	cost of materials, labour, co	omplete as p	per specific	cations. (It 8.00	em no 8.1	9)	8.00		
	Total :	m					8.00	595.72	4765.76
	Basic Rate						0.00	JJJ.12	4705.70
	Area Weightage 6%								
	Total Rate	595.72							
3	Making wall bores in block	masonry fo	r soil/wate	r pipes inc	uding redo	oing with block			
	in CM 1:4 for block mason	ry wall up to	o 0.45m w	idth and as	directed b	by Engineer in			
	charge of the work (Item n	o 37.35)							
			1	3.00			3.00		
	Total :	Each					3.00	60.42	181.26
	Basic Rate	57.00							
	Area Weightage 6% Total Rate	3.42 60.42							
4	Providing and fixing 7.5 -	15 cm N.P	grating etc	., compete	and as n	er direction of			
	the engineer in charge of w		• •	•					
		•	1	2.00			2.00		
	Total :	Each					2.00	169.60	339.20
	Basic Rate	160.00					2.00	100.00	
	Area Weightage 6%								
	Total Rate	169.60							
5	Providing and fixing white	vitreous ch	ina clay, v	water close	et Indian ty	/pe (squatting			
	pan) of size 580mm with f	ootrests, 10	0., S or P	trap, (app	roved mak	e) cutting and			
	making good the wall an	d floor whe	erever req	uired, inclu	uding cost	of materials,			
	labour etc., complete (Iten	n No:12.3)							

SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
			1	1.00			1.00		
	Total :	Pan					1.00	1318.64	1318.64
	Basic Rate	1244.00							
	Area Weightage 6%	74.64							
	Total Rate	1318.64							
6	Miscellaneous and Unforse	en Charges							15.14
			Т	otal for In	nternal S	anitary work	for One Ho	ouse :	7150.00
This i	s to Certified that :								
1	Area comes under the jur	isidiction of	KSDB						
2	Estimate prepared based			4					
3	Area weightage of Bangal				T				
	Assistant Engineer		Assista	nt Executiv	/e Enginee	er	E	Executive Engi	neer
				1, Sub-Divi				No.2, Divisio	
			KS	DB, Banga	lore			KSDB, Bangal	ore

									L
	KA	RNATA	KA SL	UM DE	VELOP	MENT BC	DARD		
NAM	E OF THE PROJECT :	- DETAII	LED EST	IMATE P	FOR INT	ERNAL ELE	CTRIFIC	ATION WC	RKS FOR
	CONSTRUCTION O	F 666 (G.	F) DU'S	HOUSIN	IG AT KI	JVEMPUNA	GARA S	LUM (IN-SI	TU
D	EVELOPMENT) INCL	UDING IN	FRAST	RUCTUR	E IN BAI		CITY. BY	ATRAYAN	APURA
	- , -				ER RAY.		- ,		-
IV : I	NTERNAL ELETRI	FICATIO	DN :			I I		<u></u>	
								· · · · · · · · · · · · · · · · · · ·	
SI No	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
1	Groove cutting: supplying	19/20 mm	dia 2mm	/2.5mm t	hick heavy	/ gauge PVC			
	Conduit Pipe with bends n				-	0 0			
	-	-		-		-			
	or J hooks and cement pla	astering up	to the surf	ace of the	brick level	and run with			
	18 SWG GI fish wire run th	rough out tl	ne 19/20 m	nm dia 2mr	n thick. (It	em no : 3a)			
			1	41.00			41.00		
	Total :	Rmt					41.00	32.00	1312.00
	Total.	KIII					41.00	52.00	1312.00
2	Point wiring using copper	with switch.	Supplying	g and wirir	ig adopting	g loop system			
	in existing PVC conduit/	casing capi	ng using (copper PV	C insulate	ed multistand			
	2x1.5 Sqmm Copper wire	with a 6 Am	ps flush ty	pe SP con	trol switch	shall be fixed			
	on the existing plastic sh	neet / gang	g box, the	other en	d of the v	wire shall be			
	terminated with sufficient lo	ose.Point v	viring using	g class A n	naterial				
а	Short point up to 3 mtrs	from tapp	ing point	to outlet v	via switch	(Item no: 8a			
)								
			1	3.00			3.00		
	Total :	m					3.00	175.00	525.00
	rotar.						5.00	175.00	525.00
b	Medium point above 3mtrs	up to 6 mt	rs from tra	pping poin	t outlet via	switch (Item			
	no : 8a)								
			1	2.00			2.00		
	T ()								500.00
	Total :	m					2.00	260.00	520.00
3	Supplying 6A flush/project	ed type so	cket and a	a 6 Amps	flush/proje	cted type SP			
	switch either surface/Flush	in a existii	ng gang be	ox or in a	4mm thick	plastic sheet			
	and fixing over a flush mo	unted wood	len box an	d wiring u	sing neces	sary capacity			
	wires as required. 6Amps 3	3/5 Way (It	em no: 12	b)					
			1	1.00			1.00		
	Total :	Nos					1.00	106.00	106.00
	i uldi .	1103					1.00	100.00	100.00
4	Wiring for lighting/power ci	rcuit using c	one of PVC	insulated	1100v gra	de, mutis and		1	
	copper conductor single co	ore cable in	open or c	oncealed s	system of v	viring. Group			
	'A' material Page no: 9 iten	n no: 20							
а	2.5 Sqmm		4	20.00			20.00		<u> </u>
			1	30.00			30.00	+	
	Total :	Rmt					30.00	25.00	750.00
b	4Sqmm page no: 9 item no	: 20 d	1	10.00			10.00		
			I	10.00			10.00		

	Description of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Total :	Rmt					10.00	32.00	320.00
5	Supplying and flush mount	ted teak w	oden box	with out f	ont plank	made of not			
U	less than 12 mm thick wo				-				
			le groove	cutting net	cesary m	asonry pateri			
а	work complete. 10"x7"x3" item no :6 c								
u			2	2.00			4.00		
	Tatal	Na					4.00	<u> </u>	070.00
	Total :	No					4.00	68.00	272.00
b	1 to 2 way item no :6 f		I						
			1	2.00			2.00		
	Total :	No					2.00	18.00	36.00
С	1 to 6 way item no: 6 h		1	2.00			2.00		
			1	2.00			2.00		
	Total :	No					2.00	32.00	64.00
6	Supplying 4mm thick plas	tina sheet	with nece	ssary nitc	nes for fiv	vina switches			
0	regulator etc and fixing on	•		•		J			
		existing w			ISING INF :	sciews (item			
	no: 22)		1	1200.00			1200.00		
			1	1200.00			1200.00		
	Total :	Sqcm					1200.00	0.22	264.00
7	Cumplying and fiving of hold					a a la dia ata r			
7	Supplying and fixing of bak		SUCKEL / SW		without I	leon indicator			
					(- - / -				
	over existing board or flush	mounting i		r	nes. (P6/4	.11d)	1.00		
	over existing board or flush	mounting i	n plastic pl 1	late or nitch	nes. (P6/4	.11d)	1.00		
	over existing board or flush	mounting i Sqcm		r	nes. (P6/4	.11d)	1.00 1.00	165.00	165.00
	Total :	Sqcm		r	nes. (P6/4	11d)		165.00	165.00
8		Sqcm	1	1.00	nes. (P6/4	.11d)	1.00	165.00	165.00
8	Total : Providing RAY logo and nu	Sqcm		r	nes. (P6/4	11d)		165.00	
8	Total :	Sqcm	1	1.00	nes. (P6/4	.11d)	1.00	165.00	165.00
8	Total : Providing RAY logo and nu Total :	Sqcm umbering Sqcm		1.00	nes. (P6/4	11d)	1.00		120.00
	Total : Providing RAY logo and nu	Sqcm umbering Sqcm		1.00	nes. (P6/4	11d)	1.00		
	Total : Providing RAY logo and nu Total :	Sqcm umbering Sqcm	1 1 1 5	1.00		.11d)	1.00 1.00 1.00	120.00	120.00 46.00
9	Total : Providing RAY logo and nu Total : Miscellaneous and Unforse	Sqcm umbering Sqcm	1 1 1 5	1.00			1.00 1.00 1.00	120.00	120.00 46.00
9	Total : Providing RAY logo and nu Total :	Sqcm umbering Sqcm	1 1 1 5	1.00			1.00 1.00 1.00	120.00	120.00 46.00
9 This i 1	Total : Providing RAY logo and nu Total : Miscellaneous and Unforse s to Certified that : Area comes under the jur	Sqcm umbering Sqcm en Charges isidiction of	1 1 5 Total	1.00 1.00			1.00 1.00 1.00	120.00	120.00
9 This i 1 2	Total : Providing RAY logo and nu Total : Miscellaneous and Unforse s to Certified that : Area comes under the jur Estimate prepared based	Sqcm umbering Sqcm en Charges isidiction of on the SR	1 1 5 Total KSDB of 2013-1	1.00 1.00 for Intern			1.00 1.00 1.00	120.00	120.00 46.00
9 This i 1	Total : Providing RAY logo and nu Total : Miscellaneous and Unforse s to Certified that : Area comes under the jur	Sqcm umbering Sqcm en Charges isidiction of on the SR	1 1 5 Total KSDB of 2013-1	1.00 1.00 for Intern			1.00 1.00 1.00	120.00	120.00 46.00
9 This i 1 2	Total : Providing RAY logo and nu Total : Miscellaneous and Unforse s to Certified that : Area comes under the jur Estimate prepared based	Sqcm umbering Sqcm en Charges isidiction of on the SR	1 1 5 Total KSDB of 2013-1	1.00 1.00 for Intern			1.00 1.00 1.00	120.00	120.00 46.00
9 'his i 1 2	Total : Providing RAY logo and nu Total : Miscellaneous and Unforse s to Certified that : Area comes under the jur Estimate prepared based Area weightage of Bangal	Sqcm umbering Sqcm en Charges isidiction of on the SR	1 1 S Total KSDB of 2013-1 onsidered	1.00 1.00 for Intern	al Electr	ification wo	1.00 1.00 1.00	120.00 House :	120.00 46.00 4500.00
9 This i 1 2	Total : Providing RAY logo and nu Total : Miscellaneous and Unforse s to Certified that : Area comes under the jur Estimate prepared based	Sqcm umbering Sqcm en Charges isidiction of on the SR	1 1 3 Total KSDB of 2013-1 onsidered Assistar	1.00 1.00 for Intern	al Electri	ification wo	1.00 1.00 1.00	120.00	120.00 46.00 4500.00

	BANGALO	DRE CITY	, BYAT	RAYANA	PURA A	REA UN	DER RAY.		
l No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
1	Earthwork excavation by manual me meters and an average lift upto 0.5 disposed earth to be levelled neatly Chapter 3 (Page No152, Item No.19.2	5 m, excav after brea	ated surf	ace levelle	d and sid	es neatly	dressed, the		
а	Kuvempunagara								
	For 7.00 Mtrs Wide		1	280.00	6.20	0.40	694.40		
	Total Qty Basic Rate Area Weightage 6% Total Rate	Cum 84.00 5.04 89.04					694.40	89.04	61829.00
а	specification. (Item No - 19.64, Page Kuvempunagara For 7.00 Mtrs Wide		1	280.00	6.20		1736.00		
	Total Qty	Sqm					1736.00	3.98	6901.00
	Basic Rate	3.75							
	Area Weightage 6% Total Rate	0.23 3.98							
3	Area Weightage 6%	0.23 3.98 en shoulde g, grading er specifica	to require ations (I	d slope and	d compact	ed to meet	requirement		
	Area Weightage 6% Total Rate Construction of sub-grade and earthe & leads, transporting to site, spreadin of Table No -300-2 Complete as p comacation by vibratory roller). (iter	0.23 3.98 en shoulde g, grading er specifica	to require ations (I	d slope and	d compact	ed to meet	requirement		
	Area Weightage 6% Total Rate Construction of sub-grade and earthe & leads, transporting to site, spreadin of Table No -300-2 Complete as p comacation by vibratory roller). (iter Kuvempunagara	0.23 3.98 en shoulde g, grading er specifica	to require ations (I	d slope and	d compact	ed to meet th, waterin	requirement g charges &		
	Area Weightage 6% Total Rate Construction of sub-grade and earthe & leads, transporting to site, spreadin of Table No -300-2 Complete as p comacation by vibratory roller). (iter Kuvempunagara For 7.00 Mtrs Wide	0.23 3.98 en shoulde g, grading er specifica n No - 19.6	to require ations (In 2 Page N	ed slope and ncluding cc o - 157)	d compact	ed to meet	requirement g charges & 173.60		
	Area Weightage 6% Total Rate Construction of sub-grade and earther & leads, transporting to site, spreadin of Table No -300-2 Complete as pro- comacation by vibratory roller). (iter Kuvempunagara For 7.00 Mtrs Wide Total Qty	0.23 3.98 en shoulde g, grading er specifica n No - 19.6 Cum	to require ations (In 2 Page N	ed slope and ncluding cc o - 157)	d compact	ed to meet th, waterin	requirement g charges &	190.80	33123.00
	Area Weightage 6% Total Rate Construction of sub-grade and earthe & leads, transporting to site, spreadin of Table No -300-2 Complete as p comacation by vibratory roller). (iter Kuvempunagara For 7.00 Mtrs Wide	0.23 3.98 en shoulde g, grading er specifica n No - 19.6	to require ations (In 2 Page N	ed slope and ncluding cc o - 157)	d compact	ed to meet th, waterin	requirement g charges & 173.60	190.80	33123.00
	Area Weightage 6% Total Rate Construction of sub-grade and earther & leads, transporting to site, spreadin of Table No -300-2 Complete as pro- comacation by vibratory roller). (iter Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate	0.23 3.98 en shoulde g, grading er specifica n No - 19.6 Cum 180.00	to require ations (In 2 Page N	ed slope and ncluding cc o - 157)	d compact	ed to meet th, waterin	requirement g charges & 173.60	190.80	33123.00
a	Area Weightage 6% Total Rate Construction of sub-grade and earthe & leads, transporting to site, spreadin of Table No -300-2 Complete as pr comacation by vibratory roller). (iter Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Construction of granular sub-base t	0.23 3.98 en shoulde g, grading er specifica n No - 19.6 Cum 180.00 10.80 190.80 py providir	to require ations (In 2 Page N 1 1 ng close	graded ma	d compact ost of ear 6.20 terial, mix	ed to meet th, waterin 0.10 king in a m	requirement g charges & 173.60 173.60 echaical mix	190.80	33123.00
a	Area Weightage 6% Total Rate Construction of sub-grade and earthe & leads, transporting to site, spreadin of Table No -300-2 Complete as pr comacation by vibratory roller). (iter Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate	0.23 3.98 en shoulde g, grading er specifica n No - 19.6 Cum 180.00 10.80 190.80 by providir rial to work	to require ations (In 2 Page N 1 1 ng close site, spre	ad slope and ncluding cc o - 157) 280.00 graded ma eading in ur	d compact ost of ear 6.20 terial, mix	ed to meet th, waterin 0.10 king in a m	requirement g charges & 173.60 173.60 echaical mix tor grader on	190.80	33123.00
3 a	Area Weightage 6% Total Rate Construction of sub-grade and earther & leads, transporting to site, spreadin of Table No -300-2 Complete as pro- comacation by vibratory roller). (iter Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Construction of granular sub-base to plant at OMC, carriage of mixed mate	0.23 3.98 en shoulde g, grading er specifica n No - 19.6 Cum 180.00 10.80 190.80 py providir rial to work h vibratory	to require ations (II 2 Page N 1 1 ng close site, spre power ro	d slope and ncluding cc o - 157) 280.00 graded ma eading in ur ller to achie	terial, mix	ed to meet th, waterin 0.10 king in a m ers with mo	requirement g charges & 173.60 173.60 173.60 echaical mix tor grader on ity, complete	190.80	33123.00
a 	Area Weightage 6% Total Rate Construction of sub-grade and earther & leads, transporting to site, spreadin of Table No -300-2 Complete as pro- comacation by vibratory roller). (iter Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Construction of granular sub-base to plant at OMC, carriage of mixed mate prepared surface and compacting with	0.23 3.98 en shoulde g, grading er specifica n No - 19.6 Cum 180.00 10.80 190.80 py providir rial to work h vibratory	to require ations (II 2 Page N 1 1 ng close site, spre power ro	d slope and ncluding cc o - 157) 280.00 graded ma eading in ur ller to achie	terial, mix	ed to meet th, waterin 0.10 king in a m ers with mo	requirement g charges & 173.60 173.60 173.60 echaical mix tor grader on ity, complete	190.80	33123.00

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Total Qty	Cum					173.60	952.94	165430.00
	Basic Rate	899.00							
	Area Weightage 6%	53.94							
	Total Rate	952.94							
5	Providing, laying, spreading and c	ompacting	graded	stone agg	regates to	o wet mix	c macadam		
	specifications including pre mixing th	a motorial	with wate		Machania	ol miv nlon	t corrigge of		
	specifications including pre mixing ti	ie materiai	with wate		Mechanic	ai mix pian	t carnage of		
	mixed method of tipper to site, laying	g in uniform	ns layers	with paver	in sub-ba	se/base co	urse on well		
	prepared surface and compacting with	n vibratory i	roller to a	chiovo tho	desired ba	sically com	nlete as per		
						-			
	Specifications. MORTH specification	No. 406 (P	age No -	170, Item N	lo - 20.18)			
а	Kuvempunagara								
u	For 7.00 Mtrs Wide		1	280.00	6.20	0.10	173.60		
	Total Qty	Cum					173.60	1100.28	191009.00
	Basic Rate	1038.00							
	Area Weightage 6% Total Rate	62.28 1100.28							
	Total Nate	1100.20							
6	Cleaning the existing WBM road su	rface includ	ding rema	ving of bi	nding mate	erials and o	other foreign		
U	matter with wire brushes and small pi	eke ewooni	ng with h		oft bruchor	and finally	ducting with		
		Ū							
	old gunny bags and / or compressed	all materials,							
	labour, HOM of machineries complete	e as per sp	ecification	s. MORTH	I Chapter	5 (Page No	o - 175, Item		
	No - 21 1)								
	No - 21.1)								
а	No - 21.1) Kuvempunagara								
а			1	280.00	6.20		1736.00		
а	Kuvempunagara For 7.00 Mtrs Wide		1	280.00	6.20				
а	Kuvempunagara For 7.00 Mtrs Wide Total Qty	Cum	1	280.00	6.20		1736.00 1736.00	10.34	17942.00
a	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate	9.75	1	280.00	6.20			10.34	17942.00
а	Kuvempunagara For 7.00 Mtrs Wide Total Qty		1	280.00	6.20			10.34	17942.00
а	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6%	9.75 0.59	1	280.00	6.20			10.34	17942.00
a 7	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6%	9.75 0.59 10.34				Inface of g	1736.00	10.34	17942.00
	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat	9.75 0.59 10.34	nen emul	sion on pr	repared su	-	1736.00	10.34	17942.00
	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate	9.75 0.59 10.34	nen emul	sion on pr	repared su	-	1736.00	10.34	17942.00
	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat	9.75 0.59 10.34 with bitun of spraying	nen emul: primer a	sion on pr	epared su	/Sqm using	1736.00 anular base	10.34	17942.00
7	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications	9.75 0.59 10.34 with bitun of spraying	nen emul: primer a	sion on pr	epared su	/Sqm using	1736.00 anular base	10.34	17942.00
	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara	9.75 0.59 10.34 with bitun of spraying	nen emul: primer a pecification	sion on pr t the rate on No 502 (epared su of 0.60 Kg Page No -	/Sqm using	1736.00 anular base mechanical No - 21.6)	10.34	17942.00
7	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications	9.75 0.59 10.34 with bitun of spraying	nen emul: primer a	sion on pr	epared su	/Sqm using	1736.00 anular base	10.34	17942.00
7	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara	9.75 0.59 10.34 with bitun of spraying	nen emul: primer a pecification	sion on pr t the rate on No 502 (epared su of 0.60 Kg Page No -	/Sqm using	1736.00 anular base mechanical No - 21.6)	10.34	17942.00
7	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate	9.75 0.59 10.34 with bitun of spraying MORTH sp	nen emul: primer a pecification	sion on pr t the rate on No 502 (epared su of 0.60 Kg Page No -	/Sqm using	1736.00 anular base mechanical No - 21.6)		
7	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6%	9.75 0.59 10.34 with bitum d spraying MORTH sp <u>Cum</u> 41.00 2.46	nen emul: primer a pecification	sion on pr t the rate on No 502 (epared su of 0.60 Kg Page No -	/Sqm using	1736.00 anular base mechanical No - 21.6)		
7	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate	9.75 0.59 10.34 with bitun d spraying MORTH sp <u>Cum</u> 41.00	nen emul: primer a pecification	sion on pr t the rate on No 502 (epared su of 0.60 Kg Page No -	/Sqm using	1736.00 anular base mechanical No - 21.6)		
7 a	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate	9.75 0.59 10.34 with bitum d spraying MORTH sp Cum 41.00 2.46 43.46	nen emul: primer a pecification	sion on pr t the rate on n No 502 (280.00	epared su of 0.60 Kg Page No - 6.20	/Sqm using 175, Item N	1736.00 anular base mechanical No - 21.6) 1736.00 1736.00		
7	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying tack coat o	9.75 0.59 10.34 with bitum d spraying MORTH sp <u>Cum</u> 41.00 2.46 43.46 m the prep	nen emul: primer a pecification	sion on pr t the rate of n No 502 (280.00	epared su of 0.60 Kg Page No - 6.20	/Sqm using 175, Item M	1736.00 ranular base g mechanical No - 21.6) 1736.00 1736.00 Der 10 sqm,		
7 a	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying tack coat of heating bitumen in boiler fitted with sp	9.75 0.59 10.34 with bitum d spraying MORTH sp Cum 41.00 2.46 43.46 m the prep pray set (e:	nen emuli primer a pecification	sion on pr t the rate of n No 502 (280.00 280.00	epared su of 0.60 Kg Page No - 6.20 surface a road surfa	/Sqm using 175, Item N at 2.5 kg p ce) includi	1736.00 ranular base mechanical No - 21.6) 1736.00 1736.00 1736.00 per 10 sqm, ng cost of all		
7 a	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying tack coat o	9.75 0.59 10.34 with bitum d spraying MORTH sp Cum 41.00 2.46 43.46 m the prep pray set (e:	nen emuli primer a pecification	sion on pr t the rate of n No 502 (280.00 280.00	epared su of 0.60 Kg Page No - 6.20 surface a road surfa	/Sqm using 175, Item N at 2.5 kg p ce) includi	1736.00 ranular base mechanical No - 21.6) 1736.00 1736.00 1736.00 per 10 sqm, ng cost of all		
7 a	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying tack coat of heating bitumen in boiler fitted with sp	9.75 0.59 10.34 with bitum d spraying MORTH sp Cum 41.00 2.46 43.46 m the prep pray set (e:	nen emuli primer a pecification	sion on pr t the rate of n No 502 (280.00 280.00	epared su of 0.60 Kg Page No - 6.20 surface a road surfa	/Sqm using 175, Item N at 2.5 kg p ce) includi	1736.00 ranular base mechanical No - 21.6) 1736.00 1736.00 1736.00 per 10 sqm, ng cost of all		
7 a 8	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying tack coat of heating bitumen in boiler fitted with sp materails, labour, HOM of machineries 176, Item No - 21.7)	9.75 0.59 10.34 with bitum d spraying MORTH sp Cum 41.00 2.46 43.46 m the prep pray set (e:	nen emuli primer a pecification	sion on pr t the rate of n No 502 (280.00 280.00	epared su of 0.60 Kg Page No - 6.20 surface a road surfa	/Sqm using 175, Item N at 2.5 kg p ce) includi	1736.00 ranular base mechanical No - 21.6) 1736.00 1736.00 1736.00 per 10 sqm, ng cost of all		
7 a	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying tack coat of heating bitumen in boiler fitted with sp materails, labour, HOM of machineries 176, Item No - 21.7) Kuvempunagara	9.75 0.59 10.34 with bitum d spraying MORTH sp Cum 41.00 2.46 43.46 m the prep pray set (e:	nen emul: primer a pecification 1 ared blac xcluding c e as per s	sion on pr t the rate of n No 502 (280.00 280.00	epared su of 0.60 Kg Page No - 6.20 surface a road surfa	/Sqm using 175, Item N at 2.5 kg p ce) includi	1736.00 ranular base mechanical No - 21.6) 1736.00 1736.00 1736.00 corr 10 sqm, ng cost of all 5 (Page No -		
7 a 8	Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying primer coat including cleaning of road surface ar means complete as per specifications Kuvempunagara For 7.00 Mtrs Wide Total Qty Basic Rate Area Weightage 6% Total Rate Providing and applying tack coat of heating bitumen in boiler fitted with sp materails, labour, HOM of machineries 176, Item No - 21.7)	9.75 0.59 10.34 with bitum d spraying MORTH sp Cum 41.00 2.46 43.46 m the prep pray set (e:	primer a pecification	sion on pr t the rate of n No 502 (280.00 280.00	epared su of 0.60 Kg Page No - 6.20 surface a road surfa	/Sqm using 175, Item N at 2.5 kg p ce) includi	1736.00 ranular base mechanical No - 21.6) 1736.00 1736.00 1736.00 per 10 sqm, ng cost of all		

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Basic Rate	16.00							
	Area Weightage 6%	0.96							
	Total Rate	16.96							
9	Providing and laying open graded pr	emix surfa	cing of 20) mm thicl	ness com	posed 13.2	mm and 5.6		
	mm aggregates either using penetra	tion grade b	pitumen or	cut back	or emulsio	n to require	d line, grade		
	and level to serve wearing course or	uitable plant,							
	laying and rolling with a smooth wh			-	-				
	grades complete as per specification				• •	•			
	and HMP of appropriate capacity not	less than 7	75 tonne /	hour. MO	RTH Soec	ification No	-511 (Page		
	No - 181, Item No - 21.34)		1	T	1	1			
а	Kuvempunagara		1	200.00	6.20		1736.00		
	For 7.00 Mtrs Wide		1	280.00	6.20				
	Total Qty	Cum					1736.00	130.59	226708.00
	Basic Rate	123.20							
	Area Weightage 6%	7.39							
-	Total Rate	130.59							
10	Providing and laying a seal coat seal	ling the void	ls in bitum	ninous surfa	ace lay to l	be specfied	levels, gade		
	and cross fall using TYPE B seal co	coats comp	lete as pe	er specifica	ations Cas	е - I Туре	B : MORTH		
	Specifications No - 513 (Page No - 1	82, Item No	0.21.45.2)).					
а	Kuvempunagara								
	For 7.00 Mtrs Wide		1	280.00	6.20		1736.00		
	Total Qty	Cum					1736.00	50.56	87776.00
	Basic Rate	47.70							
	Area Weightage 6% Total Rate	2.86 50.56							
7	Miscellenous, Unfrossen charges & ro								0000.00
7	Miscellenous, Unitossen charges & ro	Sunding of .	•						2392.00
								Grand Total :	898000.00
							`		030000.00
	Assistant Engineer			Executive				Executive Engi	
				l, Sub-Divis				No.2, Divisio	
			KS	DB, Banga	lore			KSDB, Banga	lore
								<u> </u>	

NAM	E OF THE WORK : DETA	ILED EST	IMATE	OF CON	CRETE	ROAD FO	OR CONST	RUCTION	OF 666 (G.F
	DU'S HOUSING AT H	KUVEMP	JNAGAI	RA SLUN	/I (IN-SIT	U DEVE	OPMENT) INCLUDI	NG
	INFRASTRUCTURE	IN BANG	ALORE	CITY, B	YATRA	ANAPU	RA AREA I	JNDER RA	Υ.
SI No	Descritption of items	Unit	Nos	L	в	D	Qty	Rate	Amount
1	Earthwork excavation by manua	al means in	hard soil	involving	an average	e horizontal	throw upto 2		
	meters and an average lift upto	05 m ev	cavated er	urface leve	lled and si	ides neatly	drossod the		
	meters and an average int upto	0.5 m, ext	Savaleu Si			ides nearly	ulesseu, ille		
	disposed earth to be lev	elled nea	tly after	breaking	of cloc	ls comple	ete as per		
	specifications.MORTH Chapter	3 (Page No	0152. Item	No.19.2)					
	_ · _ ·			,					
а	Kuvempunagara								
	Main Road								
	No - 01		1	260.00	5.00	0.40	520.00		
	No - 06		1	300.00	5.00	0.40	600.00		
	No - 07		1	300.00	5.00	0.40	600.00		
	No - 08		1	280.00	5.00	0.40	560.00		
	No - 09		1	134.00	5.00	0.40	268.00		
	Total Qty	Cum					2548.00	89.04	226874.00
	Basic Rate	84.00							
	Area Weightage 6%	5.04							
	Total Rate	89.04							
а	complete as per specification. (Kuvempunagara	item no - i	9.04, Fay)				
	Main Road								
	No - 01		1	260.00	5.00		1300.00		
	No - 06		1	300.00	5.00		1500.00		
	No - 07		1	300.00	5.00		1500.00		
	No - 08 No - 09		1	280.00	5.00		1400.00 670.00		
	100 - 09		I	134.00	5.00		670.00		
	Total Qty	Sqm					6370.00	3.98	25321.00
	Basic Rate	3.75							
	Area Weightage 6%	0.23							
	Total Rate	3.98							
3	Construction of outparedo and	aarthan al		with oppro	und motor	ial Crava /	Murrupo with		
ა	Construction of sub-grade and	earmen si	oulders	wiiii appro	veu mater	iai Glave /	wunun with		
	all lifts & leads, transporting to	site, spread	ling, gradi	ng to requ	ired slope	and compa	cted to meet		
	requirement of Table No -300-2	Complete	as per spe	ecifications	(Includin	g cost of ea	arth, watering		
	-	-				-	. 5		
	charges & comacation by vibrat	ory roller).	(item No	5 - 19.62 P	age No - 1	57)			
а	Kuvempunagara								
4	Main Road								1
	No - 01		1	260.00	5.00	0.10	130.00		
	No - 06		1	300.00	5.00	0.10	150.00		
	No - 07		1	300.00	5.00	0.10	150.00		
	No - 08		1	280.00	5.00	0.10	140.00		
	No - 09		1	134.00	5.00	0.10	67.00		
		•							
	Total Qty	Cum					637.00	190.80	121540.00
	Basic Rate	180.00	1						

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Area Weightage 6%	10.80							
	Total Rate	190.80							
4	Construction of granular sub-t	base by pro	oviding cl	ose grade	ed materia	I, mixing in	a mechaical		
	mix plant at OMC, carriage of r	nixed mater	ial to wor	k site, spre	ading in u	niform laye	rs with motor		
	grader on prepared surface ar	nd compact	ing with y	vibratory po	wer roller	to achieve	the desired		
	density, complete as per spec	(Item no -							
	20.4.1, Page No - 164)								
а	Kuvempunagara								
	Main Road								
	No - 01		1	260.00	5.00	0.10	130.00		
	No - 06		1	300.00	5.00	0.10	150.00		
	No - 07		1	300.00	5.00	0.10	150.00		
	No - 08 No - 09		1	280.00 134.00	5.00 5.00	0.10	140.00 67.00		
-	110 - 09		I	134.00	5.00	0.10	67.00		
	Total Qty	Cum					637.00	1040.92	663066.00
	Basic Rate	982.00					001.00	1040.02	000000.00
-	Area Weightage 6%	58.92							
	Total Rate	1040.92							
5	Providing and laying in position	n plain ceme	ent concre	ete of mix I	M10 with C	OPC cemer	nt @ 220kgs,		
	with 10mm and down size at	adad arani	to motal		arcactoo		um and fina		
	with 40mm and down size gr	aded grani	le metai	coarse ag	gregates	@ 0.692 C	um and line		
	aggregates @ 0.465 cum macl	hine mixed,	machine	mixed, cor	ncrete laid	in layers n	ot exceeding		
				,		,	0		
	15cms thick, well compacted,	in foundati	on and p	linth, cost	of all ma	terials, labo	our, HOM of		
		n an Crasifia	ation (D)		(0)				
	machinery, curing complete as	per Specific	alion. (F.I	NO. 12, 1. NO).4.2)				
а	Kuvempunagara								
ц Ц	Main Road								
-	No - 01		1	260.00	5.00	0.10	130.00		
	No - 06		1	300.00	5.00	0.10	150.00		
	No - 07		1	300.00	5.00	0.10	150.00		
	No - 08		1	280.00	5.00	0.10	140.00		
	No - 09		1	134.00	5.00	0.10	67.00		
	Total Qty	Cum					637.00	4413.84	2811616.00
	Basic Rate	4164.00							
	Area Weightage 6%	249.84							
	Total Rate	4413.84							
6	KSRRB M600-2: Cement Conc	rete Paver	ent Cons	struction of	un-reinfor	ced dowel	iointed plain		
Ŭ							•		
	cement concrete pavement ove					-	-		
	per Cum, with 25mm and dowr	n size grade	d granite	metal coar	se aggreg	ate at 0.39	cum and fine		
	aggregate @0.46cum with sup	er plastisize	er at 3ltrs	cnforming	to IS 9103	3-1999 reaf	firmed 2008,		
	coarse and fine aggregate onf	orming to L	S 383 m	nixed in a l	hatch rig a	and mixing	plant as per		
		-			-	-			
	approved mix design, transpo	rted to site	, laid wit	h a fixed	form or s	lip form pa	aver, spread,		
	compacted and finished in a co	ontinuous o	peration i	ncluding pi	rovision of	contraction	n, expansion,		
	construction and long tudinal	joints, ioin	t filler. se	eparation r	nembranc	e, sealant	primer, ioint		
	sealant, debonding strip, dowel			-					
							-		
	to lines and grades as per draw	ing comple	te as per :	specificatio	ons. MORT	H Specifica	ation No. 602		
	(2013-14 SR Page No189, Item	No.22.2.1)							
а	Kuvempunagara								

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Main Road								
	No - 01		1	260.00	5.00	0.15	195.00		
	No - 06		1	300.00	5.00	0.15	225.00		
	No - 07		1	300.00	5.00	0.15	225.00		
	No - 08		1	280.00	5.00	0.15	210.00		
	No - 09		1	134.00	5.00	0.15	100.50		
	Total Qty	Cum					955.50	6426.78	6140788.00
	Basic Rate	6063.00							
	Area Weightage 6%	363.78							
	Total Rate	6426.78							
7	Miscellenous, Unfrossen charge	s & roundir	ng off :						795.00
1	Miscellenous, Onnossen charge		ig on .						
							G	Frand Total :	9990000.00
	Assistant Engineer		Assistant	Executive	Engineer			Executive Eng	ineer
			No:4	, Sub-Divis	sion,			No.2, Divisio	on,
			KS	DB, Banga	lore			KSDB, Banga	lore
			1						
			+			·		1	

	AME OF THE WORK : DETAILED ES CONSTRUCTION OF 666 (G.F) DU'S INCLUDING INFRASTRUCTURE IN	S HOUS	ING A		MPUNA	GARA S	LUM (IN-	SITU DEVE	ELOPMENT)
SI No	Description of items	Unit	No	L	В	D	Qty	Rate	Amount
	KSRB 2-2.2 : Earthwork excavation for	foundatio	n of hu	ildingo y	votor ou		tony lines		
				•					
	and electrical conduits either in pits or in								
1	exceeding 1.5 m. in depth including dr	-				-			
	stacking the excavated soil clear from ed	ges of ex	cavatio	n with lea	d upto 5	0 m. afte	r breaking		
	of clods complete as per specifications.	specific	ation.	No. KBS	2.1(b) /	2.3.5 (20	13-14 SR		
	Page No.5, Item No.2.4)								
			1	10.70	0.60	0.60	3.85		
			I	10.70	0.00	0.00	3.00		
	Total Qty						3.85	223.66	861.54
	Basic Rate								
	Area Weightage 6% Total Rate								
	i otar Nate								
	KSRB 2-4 : Refilling available earth arour	nd pipe li	nes, cat	oles in lay	ers not e	exceeding	20cms in		
-	depth, compacting each deposited layer b	oy rammi	ing after	watering	with lea	d upto 50	m. and lift		
2	upto 1.5 m. including cost of all labou	r comple	ete as p	er specif	fications	allow 60	% of rate		
	considered under item KSRB 2.3 (2013-1	•	•	•					
			1	10.70	0.60	0.60	3.85		
	T / 10/						0.05	50.00	000.05
	Total Qty Basic Rate						3.85	59.36	228.65
	Area Weightage 6%								
	Total Rate	59.36							
	Providing and fixing Chorinated Poly Ve	envl Chlo	oride(CP	VC) Pipe	es confoi	rmina to	IS 15778.		
	having thermal stability for hot and cold w	2	,	<i>,</i> ,		U	,		
2	с ,	•		•	•				
3	fittings including fixing the pipe with clam	•	•	•		•	• • •		
	and fittings with one step solvent ceme								
	(external work) 20mm nominal OD Pipe	s (2013-1	14 SR P	age No.1	06, Item	No.13.87	7.2)		
			1	10.70			10.70		
				10.70			10.70		
	Total Qty	Mtr					10.70	127.20	1361.04
	Basic Rate								
	Area Weightage 6% Total Rate								
	rotai Nate								
	KSRB13-6.6-4 : Providing and fixing unp	asticise	d PVC	connectio	n pipe w	ith brass			
4	union 20mm nominal bore 450mm lengt	h of PV	C conne	ection ind	cluding c	ost of all			
4	materials, labour and HOM of equip	ments v	with all	leads o	complete	as per			
	specifications (2013-14 SR Page No.99,	Item No.	13.49)						
		Set	1				1.00		
	Total Qty	Set					1.00	307.40	307.40
	Basic Rate								
_	Area Weightage 6%	17.40						T	

SI No	Description of items	Unit	No	L	В	D	Qty	Rate	Amount	
	Total Rate	307.40								
5	KSRB13-6.5-2 : Providing and fixing in with C.I mouth cover including boring a labour and HOM of equipments with Specification No.KBS (2013-14 SR Page	nd tappir all leads	ng the compl	main, cos lete as p	st of all r	materials,				
		Each	1				1.00			
	Total Qty Basic Rate Area Weightage 6%	221.00					1.00	234.26	234.26	
	Total Rate									
6	Miscellaneous and Roundingoff								7.11	
		Total for One Hous								
				Grand	total for	[.] 666 Hoເ	ises Co	nnection :	1998000.00	
	Assistant Engineer	A		t Executiv			Executive Er	•		
				4, Sub-Div DB, Bang				No.2, Divis KSDB, Bang		

DETAIL ESTIMATE FOR PROVIDING WATER SUPPLY WORKS AT BOREWELL FOR CONSTRUCTION OF 666 (G.F) DU'S HOUSING AT KUVEMPUNAGARA SLUM (IN-SITU DEVELOPMENT) INCLUDING INFRASTRUCTURE IN BANGALORE CITY,

BYATRAYANAPURA AREA UNDER RAY.

	ABSTRACT	
SI No	Description	Amount in Rs
1	Providing Sinking of Borewell Works.	194800.00
2	Providing Pumping Machinery Works.	344500.00
3	Providing Raising Mains Works.	92700.00
4	Providing Cistern Works.	77500.00
	Total for 1 Nos :	709500.00
	Grand total for 4 Nos :	2838000.00

Assistant Engineer

Assistant Executive Engineer No:4, Sub-Division, KSDB, Bangalore Executive Engineer No.2, Division, KSDB, Bangalore

NAM	E OF THE WORK : DETAILED E	STIMATI	e of Sin	NKING O	F BORE	WELL FO	OR CONS	TRUCTION	OF 666 (G.F)
יטס	S HOUSING AT KUVEMPUNAG	ARA SLI	JM (IN-S		/ELOPM	ENT) INC		INFRASTR	UCTURE IN
20			•			,			
	BANGALOF	RE CITY,	BYATR	AYANAF	PURA AR	EA UND	ER RAY.		
SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
1	Geophysical investigation of site for s	inking bore	e well for	supplying	drinking w	ater to the	Habitation		
	sith an through the bound surger NANA/			- +	· · ·	h	in altration of		
	either through the hand pump, MWS	5, PVV5 Dy	/ vertical	electrical	sounding	by method	, including		
	reconnaissance survery of Geological	formation,	geophysic	al investig	ation of ex	isting groui	nd water in		
	the vicinity, indicating the location of si	ite, recomm	nended de	epth of cas	ing pipe re	equired to s	eal the top		
	unconsolited formation for proper seating	ng of casing	g pipe, de	pth of drilli	ng require	d to cover f	ull depth of		
	aquifer proposed to bedopted, probabl	e yield and	l other info	ormation re	equired an	d accessor	ies to work		
	site, engaging technical personal and la	abour requi	red. (Page	e No - 48. li	tem No - 9	.4)			
	For One Bore well		1				1.00		
							4.00		
	Total Qty Basic Rate	Nos 1882.00					1.00	1938.46	1938.46
	Area Weightage 3%	56.46							
	Total Rate	1938.46							
2	Siniking of borewell of 165mm dia clear	r using fast	hydraulic	of capacity	/ 250 PSIG	& above b	urden upto		
	20m. Fixing of casing pipes, collars ar	d oop with		on outting	throating	and woldin	a including		
			Tiedcessa	ary cutting,	uneating		y moluumy		
	transportation of rig and supporting v	ehicle, crev	w charges	and cost	of consur	nables etc.	, complete		
			0				· ·		
	including yeild testing at the final depth	with a min	imum wor	king of cor	npressor fo	or one hour	(excluding		
			10 Ham 1	In 0444	- 0 1 0)				
	cost of casing pipes, collars, cap etc.,)	Page No -	46, Item r	NO - 9.1.1 t	0 9.1.8)				
а	Upto 50.00 Mtrs.		1	50.00			50.00		
	Total Qty	Rmt	-				50.00	315.18	15759.00
	Basic Rate	306.00							
	Area Weightage 3%	9.18							
	Total Rate	315.18							
b	Above 50.00 to 100.00 Mtrs.		1	50.00			50.00		
0	Total Qty	Rmt	•	00.00			50.00	412.00	20600.00
	Basic Rate	400.00							
	Area Weightage 3%	12.00							
	Total Rate	412.00							
С	Above 100.00 mtrs and upto 150 Mtrs.		1	50.00			50.00		
U	Total Qty	Rmt	1	50.00			50.00	458.35	22917.50
	Basic Rate	445.00							
	Area Weightage 3%	13.35							
	Total Rate	458.35							
d	Above 150.00mtrs and upto 200 Mtrs.		1	50.00			50.00		
u	Total Qty	Rmt	•	00.00			50.00	484.10	24205.00
	Basic Rate	470.00							
	Area Weightage 3%	14.10							
	Total Rate	484.10							
е	Above 200.00mtrs and upto 250 Mtrs.		1	50.00			50.00		
e	Total Qty	Rmt	I	30.00			50.00 50.00	560.32	28016.00
	Basic Rate	544.00							
	Area Weightage 3%	16.32							
1	Total Rate	560.32							

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
4	About 050 00mths and unte 200 Mths		4	50.00			50.00		
f	Above 250.00mtrs and upto 300 Mtrs. Total Qty	Rmt	1	50.00			50.00 50.00	600.49	30024.50
	Basic Rate	583.00					50.00	000.45	50024.50
	Area Weightage 3%								
	Total Rate	600.49							
~	Above 300.00mtrs and upto 350 Mtrs.		1	20.00			20.00		
g	Total Qty	Rmt	I	20.00			20.00 20.00	640.66	12813.20
	Basic Rate	622.00					20.00	040.00	12013.20
	Area Weightage 3%								
	Total Rate	640.66							
3	Supply of ISI Mark 175 mm nominal Bo	vro Plain o	nd Stool o	asing Dino	- grado o	f Stool Eoo	410 of wall		
	thickness 5.4mm thick confirming to IS steel tube material and confirming to IS basic oxygen process in random length one end fixed with socket confirming to shall be reasonably free from defects	S 1387/199 h of 5 to 7i o IS4270/2	3 and mainten mtrs. Both 001 and th	nufactured ends thre he other er	by basic o aded conf nd with sc	open hearth irming to IS rewed pipe	n electric or 554/1985, s. All pipes		
	marking, weighing 25.10kg/mtr. (Inclusi				-				
	For One Bore well		1	20.00			20.00		
			•	20.00					
	Total Qty	Mtrs					20.00	1325.00	26500.00
а	welding wherever required as directed the work. (P-III, I-86). For One Bore well	etc., compl	ete as pe	r the direct	ions of the	engineer i	n-charge of 4.00		
	Total Qty	Nos					4.00	150.00	600.00
5	Providing and fixing 175mm dia borewe	ell cap med	ium class.	(Page No	- III, Item I	No - 85)			
	For One Bore well		1				1.00		
	Total Qty	Nos					1.00	100.00	100.00
6	Providing and installing at site of work including lowering into trenches, laying jointing of approved type with all labou	true to line	, level and	perfect lin	king at joir	nts leak pro	of including		
	alround to a depth not less than 15 cms complete. (Page No-15, Item No-3.4.2)	-		ed earth av	vailable fro	om the exca	vation etc.,		
	For One Bore well		1	12.00			12.00		
		F .					40.00	00-0-	44648
	Total Qty Basic Rate	Rmt 910.00					12.00	937.30	11247.60
	Area Weightage 3%	27.30							
	Total Rate	937.30							
									_
7	Miscellenous, Unfrossen charges & rou	Inding off :							78.74
						1	<u>م</u>	rand Total :	194800.00
							G	nana iolai.	137000.00
	Assistant Engineer			t Executive		·		Executive Eng	
-	No:4, Sub-Division,							No.2, Divisi	on,

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount	
			KS	DB, Banga	lore		KSDB, Bangalore			
•										
									1	
									t	

								ONSTRUCT	
	E OF THE WORK : DETAILED ES								
(G.F) DU'S HOUSING AT KUVEMPUN	AGARA S	GLUM (II	N-SITU	DEVELO	PMENT)	INCLUDIN	IG INFRAS	TRUCTURE
	IN BANGALOF	RE CITY,	<u>BYA</u> TR	<u>AYANA</u>	<u>PURA A</u>		DER RAY.		
SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
onto		onic	1100	-	5	5	QLY	nute	Amount
1	Supplying and delivery at site brand new	submersibl	e PUMPS	SET suitab	ole for bore	ewell of 150	mm dia and		
	having declared duty conditions as detaile	ed below ar	ıd satisfyiı	ng perforn	nance cha	racteristic fo	or pump and		
	motor as declared by Bureau of Indian st	andards, t	ne pump s	should co	mfirm to IS	5:8034-1989) (with all its		
	latest amendments) and should bear the								
	of bronze impellers. Discharge: 10 HP 20	0 Stage. (Si	uguna Pur	mp) (P.No	.XXXXII S	l. No.21)			
	For Pumping Machinery		1				1.00		
	Total Qty	Set					1.00	49985.90	49985.90
~			h ma c == '' '		hla í				
2	Supplying and drawing 3 core flat PVC s			•			-		
	grade copper with flexible copper condu		U				0		
	grade PVC insulation and sheathed suitat	DIE TOT WORK	ing voltag	e upto 11	UUVOIts. (Page No - 4	9, Item No -		
	29) C) 4Sqmm of 56strands 0.3mm dia.								
	Group - ' A ' : For Pumping Machinery		1	640.00			640.00		
	Total Qty	Rmt					640.00	160.06	102438.00
	Basic Rate	151.00							
	Area Weightage 6% Total Rate	9.06 160.06							
3	Providing and fixing in position brass gate	yalvo with	Clwhee	l of appro	ved quality	(screwed	end) 50mm		
0						·			
	nominal bore including cost of all materia					il leaus con	piete as per		
	specifications. Specification No.KBS 13.2.	.6 / 13.3. (P	age No - 9	98, Item N	lo - 13.37)				
	For Pumping Machinery		1				1.00		
	Total Qty	Each					1.00	2109.40	2109.00
	Basic Rate	1990.00							
	Area Weightage 6% Total Rate	119.40 2109.40							
4									
4	Providing and fixing in position 50mm	nominal b	ore gun	metal no	n-return v	aive norizo	ntal type of		
	approved make including cost of all mate	erials, labou	ir and HO	M of equi	pments wit	th all leads	complete as		
	per specifications. Specification No.KBS 1	3.2.10 / 13	.13. (Page	e No - 100	, Item No ·	- 13.55)			
	For Pumping Machinery						1.00		
	For Pumping Machinery		1				1.00		
	Total Qty Basic Rate	Nos 1485.00					1.00	1574.10	1574.00
	Area Weightage 6%	89.10							
	Total Rate	1574.10							
5	Providing and fixing to wall, ceiling and	floor galva	nised / m	ild steel t	ube 50mm	n dia nomin	al bore with		
	fittings (medium grade weight 5.24 kg/mti	r) B class in	cludina co	ost of all i	materials. I	abour char	ges, HOM of		
	equipments and testing complete as per		-						
		specificatio	na. opecii	ICALIOIT IN	13.2	17/13.0.	(1 aye 110 -		
	95, Item No - 13.15)								

SI No	•	Unit	Nos	L	В	D	Qty	Rate	Amount
	a) 50mm dia GI pipe for Motor purpose.								
	For Pumping Machinery		1	330.00			330.00		
	Total Qty	m					330.00	453.68	149714.00
	Basic Rate	428.00							
	Area Weightage 6%	25.68							
	Total Rate	453.68							
6	Meter and Panel Board : Supplying and c			•					
	size 250x380x150mm mechanically stron be neat and dust free. The box shall have								
	locking door, canopy, appron and louver,								
	steel.(Approved SR Rate wide Page.No.3	and Item.N	lo.11)						
	For Pumping Machinery		1				1.00		
	Total Qty	Nos					1.00	9000.00	9000.00
7	Fabricating supplying and mounting MS	box made	out S	WG suitał	ole for floo	or / wall m	ountina, fully		
							• •		
	weather proof with provision for better h	•			0				
	tamper proof locking arrangements, with	suitable siz	e clapms	with nece	ssary cab	le entry pip	e with gland		
	and box should be finished with 2 coats of	of red oxide	primer pa	aint and fir	hally finish	ed with apr	roved colour		
	enameled metal paint etc., complete (Pag	e No - 41, I	tem No - 3	38)					
	For Pumping Machinery								
	b) 16SWG		1 1 2	75.00		00.00	42500.00		
a b	Back and Front Sides		1 x 2 1 x 2	75.00 25.00		90.00 90.00	13500.00 4500.00		
c	Top and Bottom		1 x 2	75.00	25.00	00.00	3750.00		
	Total Qty	Nos					21750.00	0.33	7177.50
8	Earthing: Supplying fixing, wiring earth	electrode	for grou	unding co	nducts, I.	C. cutouts	and other		
	equipments on the meter board using 40)mm dia 2.	9mm thick	GI pipe	2.5M long	buired in a	a pit. The pit		
	should be filled with equal proportion of s				•				
	connection from the pipe to the conduit								
	specification 7.33 of IS 732 using 12mm				•				
	16 through holes of 12mm dia. (Page.No.								
	To through holes of 12mm dia. (Page.No.		. 1)						
	For Pumping Machinery		1				1.00		
	Tatal Otra	F aal					4.00	4050.00	4050.00
	Total Qty	Each					1.00	1950.00	1950.00
9	Supplying, fixing and wiring heavy duty lo	ow voltage	capacitors	s conform	ing to IS 2	834. 3 pha	ase, 400/440		
	volts grade, for power factor improvement	t of rotating	machiner	y. Cost p	er KVAR. (Page No -	40, Item No		
	- 33)								
	1) Group 'A'								
	For Pumping Machinery		1	5.00			5.00		
		Per							
	Total Qty	KVAR					5.00	360.00	1800.00
10	Fixing a shunt capacitor of KVAR c				e holto -	nd puts to	an ovicting		
10							_		
	wooden or metal board including banking	of more that	an one cap	pacitor. (P	age No-30), Item No-	15)		
	1) Group 'A' For Pumping Machinery		1				1.00		
			•				1.00		
	Total Qty	Each					1.00	120.00	120.00

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
11	Supplying and fixing miniature circuit brea	akers on ex	isting MC	B distribut	tion boards	s using nec	essary fixing		
	materials and 'C' Type curve, Indicator ON	N/OFF, ene	rgy cross-	3 with Sho	ort circuit b	reaking cap	pacity of 10K		
	and complete wiring as required. (Ele SR.					0,			
	and complete winnig as required. (Lie SK.	. Faye.No.3	1	J-12.1 GI	Jup-A)		1.00		
							4.00		
	Total Qty Basic Rate						1.00	1584.70	1585.00
	Area Weightage 6%								
	Total Rate	1584.70							
12	Errection, electrification and commission	oning of r	oumpset/si	ubmersible	e pump	including a	aligning and		
	balancing with all necessary erection m	•				•			
				•		•			
	supporting clamps with necessary materia	ai and iadou	ir incluainę	g providing	g cement d	concrete iot	undation bed		
	etc., complete.		1	[1.00		
			I				1.00		
	Total Qty	Nos					1.00	1710.00	1710.00
13	Errection of panel board and meter boar	d unit erect	tion of cor	nhined na	anel and m	neter board	unit with all		
	necessary material and labour including p			•					
	Outer Type					etc., comp	lete.		
	i) Indoor Type		1				1.00		
	Total Qty	Nos					1.00	425.00	425.00
		1103					1.00	420.00	420.00
14	Supplying of L.T.U.G. cable having alumi	inium condu	uctor PVC	insulated	sheathed	galvanised	d steel wire /		
	steel tape armored cable with P.V.C. oute	er sheathing	g 1.1K.V c	lass (conf	orming to	IS 1554) (P	.68,I.No.4.d)		
	4.00 core 16 Sqare mm.								
			1	23.00			23.00		
	Total Qty	Mtrs					23.00	150.00	3450.00
		Miti 3					23.00	130.00	3430.00
15	Labour charges for laying of 1.1 KV clas	ss UG cabl	e when s	upplied ag	gency in e	xisting tren	ch GI pipe /		
	stoneware pipe / on wall / on pole as requ	ired.(Page	No - 69, I	tem No -	5)	I			
	i) In existing trench / duct a) 6 Sqmm to 16 Sqmm		1	23.00			23.00		
			1	23.00			23.00		
	Total Qty	Mtrs					23.00	8.00	184.00
16	Digging of trench of 0.6m deep x 0.50	Mtr wide r	efilling the	e trench t	to the rea	uired arour	nd level and		
_			•			5			
	consolidating etc., complete.(As per Civil 3 i) In existing trench / duct	SK KSKB.	rage NO -	70, item	10 - 6)				
	a) 6 Sqmm to 16 Sqmm		1	20.00			20.00		
	Total Qty	Mtrs					20.00	50.00	1000.00
		IVILI S					20.00	30.00	1000.00
17	Supplying and fixing L.T. cast Iron pot h	neads suita	ble for 1.	1 KV clas	s UG cab	le filled wit	h necessary		
	bitumen/insulating compound complete w	ith terminal	s, clamps,	bolts, nut	ts and was	hers etc., (Ele SR 2010		
	11, P.No.70, I.No.10b)								
			1				1.00		
	Total Qty	Each					1.00	260.00	260.00
	-								
18	Supplying & fixing of Porcelain fuse char	nnel with cu	t out on e	xisting wo	oden/pane	el using neo	cessary nuts,		
	bolts and washers etc., complete.(Page N	No - 32, Iter	n No - 3)	1	1	1			
			1 x 6				6.00		
	Total Qty	Each					6.00	219.00	1314.00

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
19	Supplying and fixing of class A (mediu	m duty) GI	pipe of	wall thick	ness not	less than	3.25mm on		
	pole/wall/drain crossing with necessary cl	amping arr	angement	s for UG	cable of 1.	1 KV class	.(Page No -		
	70, Item No - 9)								
	i) In existing trench / duct		1	5.00			5.00		
	a) 6 Sqmm to 16 Sqmm		1	5.00			5.00		
	Total Qty	Mtrs					5.00	240.00	1200.00
20	Supplying, fixing and wiring electronic 10	to 40 Amos	s three nh	aso 4 wire	Class-1 4		nerav Meter		
20	(Page No - 39, Item No - 26)		s thee ph				nergy meter.		
	1) Group 'A'		1				1.00		
	Total Offic	Feeb					4.00	44.00.00	4420.00
	Total Qty	Each					1.00	4120.00	4120.00
21	Supplying and fixing hylum brand hand pl	astic sheet	3mm thic	k with neo	essary nite	ches for fixi	ng switches,		
	regulators etc., and fixing on existing woo	d or metal b	box using	N.F. screv 90.00	vs. (Page 75.00	No-10, Iten	n No-23) 6750.00		
			•	50.00	10.00		0700.00		
	Total Qty	Sqcm					6750.00	0.20	1350.00
22	BESCOM Deposits								2000.00
	-								
23	Miscellenous, Unfrossen charges & round	ling off :							33.60
							G	irand Total :	344500.00
	Assistant Engineer		Assistant	Executive	e Engineer		F	Executive Engi	neer
			No:4	, Sub-Divi	sion,			No.2, Divisio	
			KSI	DB, Banga	alore			KSDB, Banga	lore

NAI	ME OF THE WORK : DETAILED E	STIMATE	OF RA	ISING N	IAIN WO	RKS FOR	CONSTR	UCTION O	F 666 (G.F)
DU	'S HOUSING AT KUVEMPUNAGA BANGALOR		-			-		IFRASTRU	CTURE IN
SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
1	Earth work excavation for pipeline trench	es includin	a depositi	na on bar	nk upto a l	ead of 50mt	rs. Includina		
	shoring and strutting danger lighting and	d using sigl	nt rails an	nd boning	rods at e	very 100mtr	s. Wherever		
	necessary as directed in the following stra By Manual Means	ata. (Page N	lo - 1, Iten	n No -1.2.	2) PHE SF	R of 2012-13	•		
	In Hard Soil		1	200.00	0.60	(0.9+0.45) 2.00	81.00		
	Total Qty	Cum					81.00	202.00	16362.00
2	Providing and fixing to wall, ceiling and pressure 75mm outside diameter with sp the wall, ceillling and floor, including cost complete as per specifications. Specificat PWD SR of 2013-14	oecial flange of all mater	e, compre ails, labou	ssion type ur charges	e fittings, v s, HOM of	wall clipsm r equipements	naking good s and testing		
			1	194.00			194.00		
	Total Qty	Mtrs					194.00	309.62	60066.00
	shoring and strutting danger lighting and necessary as directed in the following stra By Manual Means In Hard Soil		lo - 1, Iten	n No -1.2.		2 R	s. wherever		
4	Total Qty Providing and fixing GI Fittings.	Cum					81.00	64.66	5237.46
а	a) 50mm dia Heavy Duty GI Collars. (P.R	.E Approved					50.00		
			1 x 56				56.00		
	Total Qty		0				56.00	130.00	7280.00
b	b) 50mm dia GI Union (PWD SR of 2013-	14, P-XXX\	/) 1 x 7				7.00		
С	Total Qty c) 50mm dia GI Elbow (PWD SR of 2013-		,				7.00	223.70	1565.90
			1 x 7				7.00		
	Total Qty	Cum					7.00	111.80	782.60
d	c) 50mm dia GI Reducer Tees (PWD SR	of 2013-14,	P-XXXV) 1 x 5				5.00		
	Total Qty	Cum					5.00	184.00	920.00
5	Miscellenous, Unfrossen charges & round	ling off :							486.04
							Gr	and Total :	92700.00
	Assistant Engineer		Assistant	t Executiv	e Enginee	 r	E	xecutive Engi	ineer
			No:4	4, Sub-Div DB, Bang	vision,			No.2, Divisio KSDB, Banga	on,

NAM	E OF THE WORK : DETAILED ES	TIMATE	OF RCC	HUME	PIPE CIS	STERN W	ORKS FOR	R CONSTR	UCTION OF
	666 (G.F) DU'S HOUSING AT		UNAGA	KA SLU	IVI (IIN-3I) INCLUDI	NG
	INFRASTRUCTURE IN E				ΓΡΔΥΔΝ			FR RAY	
				1, 017					
					_				_
SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
								•	
1	Earth work excavation for foundation of b	uildings, wa	ater supply	y, sanitary	lines and	electrical co	onduits either		
	in pits or in trenches1.5m and above in w	vidth in Hau	rd soil not	ovcooding	n 15m in (denth includ	dina dressina		
	•					•	0 0		
	the bottom and sides of pits and trenches	s stacking t	he excava	ited soil cl	ear from e	dges of exc	cavation after		
	breaking of clods complete as per specifi	cation, inclu	uding loadi	ing, unloa	ding and lif	ft charges e	tc., complete		
	as par direction of angineer incharge (P	No 5 Itom			= = 14)	•	•		
	as per direction of engineer incharge. (P.	NO. 5 Item	2	1.60	1.60	0.45	2.30		
			2	2.50	2.50	0.45	3.75		
			2	2.50	2.50	0.50	5.75		
	Total Qty	Cum					6.05	223.66	1354.04
	Basic Rate								
	Area Weightage 6%								
	Total Rate								
2	Providing and laying in position plain ce	ment conc	rete of mi	x 1:4:8 us	sing 40mm	n and down	size graded		
	granite metal, machine mixed, concrete	laid in law	ers not a	vceeding	15 cms t	hick well c	omnacted in		
		-		•			•		
	foundation and plinth, including cost o	f all mater	ial, labou	HOM M	lachinery o	curing com	plete as per		
	specification, (P. No. 12 Item No. 4.3 PW	ID SP of 20	12-14)						
	specification, (1.100.12 fterrito. 4.01 W		2	1.60	1.60	0.15	0.77		
			2	2.50	2.50	0.15	1.88		
			2	2.00	2.00	0.10	1.00		
	Total Qty	Cum					2.64	4211.38	11130.68
	Basic Rate								
	Area Weightage 6%								
	Total Rate	4211.38							
							<u> </u>		
3	KSRB 5.2-3 : Providing and constructing	ng granite /	/ trap / ba	asalt size	stone mas	sonry in fol	indation with		
	cement mortar 1:6, stone hammerd dress	sed in cour	ses not les	ss than 20) cms hiah	. bond stor	nes at two m.		
					· ·····	,			
	apart in each course including cost of ma	aterials, lab	our, curing	complete	e as per sp	ecifications.	KBS 5.1.13.		
	(P.No.25, I.No.5.6 PWD SR of 2013-14)		1 X 2	1 50	0.75	0.40	0.90		
			1 X 2	1.50 1.50	0.75 0.75	0.40	0.90		
			172	1.50	0.10	0.40	0.30		
	Total Qty	Cum					1.80	3484.22	6271.60
	Basic Rate								
	Area Weightage 6%								
	Total Rate								
4	KSRB 5.3-2 : Providing and constructing	ng granite	/ trap / ba	asalt size	stone ma	sonry in ba	asement with		
	compart marter 4.0 stars of stars	41a aluc '		a	then 45	man high I			
	cement mortar 1:8, edges of stones chis	ue uressed	in course	S NOT IESS	man 15 C	ms nigh, bo	mu stones at		
	two m. aprat in each course including cos	st of materia	als, labour	. curing o	omplete as	s per specifi	cations KRS		
				, caring o					
	5.1.13 (P.No.25, I.No.5.8. PWD SR of 20	13-14)							
			1 X 2	1.50	0.75	0.40	0.90		
			1 X 2	1.50	0.75	0.40	0.90		
	Total Qty						1.80	4002.56	7204.61
	Basic Rate							ļļ	
	Area Weightage 6%								
	Total Rate	4002.56							
		1	1	1					

5	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Providing and laying in position plain cerr	ent concre	te of mix I	V15 with	cement @	240kgs, wit	h 20mm and		
	down size graded granite metal coarse	aggregate	es @ 0.8	78cum a	nd fine ag	gregates @	0.459cum		
	machine mixed, cocrete laid in layers not								
		-			-		-		
	cills including cost of all materials labo	ur, HOM	of machin	ery curin	g complet	e as per sp	pecifications.		
	(P.No.12, I.No.4.6. PWD SR of 2013-14)		1	[[1			
			2 1 X 2	1.50 2.50	1.50 2.50	0.15 0.15	0.68 1.88		
			1	4.00	2.50	0.15	1.50		
	Total Qty	Cum					4.05	4690.50	18996.53
	Basic Rate Area Weightage 6%	4425.00 265.50							
	Total Rate	4690.50							
6	KSRB 15.1.3 Providing ruled pointing to c	oursed sto	ne mason	rv with ce	ment mort	ar 1:3, 20mm	n deen laftei		
U		001300 310				ar 1.0, 2011	n deep, anei		
	raking joints to depth of 20mm nicely lin	ning, includ	ling cost c	of materia	ls, labour,	curing com	plete as per	•	
	specifications (PNo 122 No 15 3)								
	specifications. (P.No.122, I.No.15.3)		2	6.00		0.70	8.40		
	Total Qty	Sqm					8.40	78.44	658.90
	Basic Rate Area Weightage 6%	74.00							
	Total Rate	78.44							
7	KSRB15-3.10 : Providing 20mm thick c								
	I.No.15.18)			4.50	4.50	1	4.50		
			2	1.50 2.50	1.50 2.50		4.50 12.50		
			1 x 2						
	Total Qty			2.50	0.40		2.00		
		Sqm		2.50			2.00	223.66	4249.54
		Sqm 211.00		2.50				223.66	4249.54
	Area Weightage 6%	211.00 12.66		2.50			2.00	223.66	4249.54
		211.00		2.50			2.00	223.66	4249.54
8	Area Weightage 6%	211.00 12.66 223.66	Rate).				2.00	223.66	4249.54
8	Area Weightage 6% Total Rate	211.00 12.66 223.66	Rate).	2.50			2.00	223.66	4249.54
8	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE	211.00 12.66 223.66	1				2.00 19.00		4249.54
	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty	211.00 12.66 223.66 Approved	1	2.00			2.00 19.00 2.00	223.66	
8	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE	211.00 12.66 223.66 Approved	1 0.3.17 PRI	2.00 = SR)			2.00 19.00 2.00 2.00		
	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P.	211.00 12.66 223.66 Approved Nos No.20, I.No	1	2.00			2.00 19.00 2.00 2.00 2.00	12500.00	25000.00
	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty	211.00 12.66 223.66 Approved	1 0.3.17 PRI	2.00 = SR)			2.00 19.00 2.00 2.00		
	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P.	211.00 12.66 223.66 Approved Nos No.20, I.No	1 0.3.17 PRI	2.00 = SR)			2.00 19.00 2.00 2.00 2.00	12500.00	25000.00
9	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P. Total Qty	211.00 12.66 223.66 Approved Nos No.20, I.No	1 0.3.17 PRI	2.00 = SR)			2.00 19.00 2.00 2.00 2.00 2.00	12500.00	25000.00 2513.20 120.92
9	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P. Total Qty	211.00 12.66 223.66 Approved Nos No.20, I.No	1 0.3.17 PRI	2.00 = SR)			2.00 19.00 2.00 2.00 2.00 2.00	12500.00	25000.00
9	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P. Total Qty Miscellenous, Unfrossen charges & round	211.00 12.66 223.66 Approved Nos No.20, I.No	1 0.3.17 PRI 1	2.00 = SR) 2.00	0.40		2.00 19.00 2.00 2.00 2.00 G	12500.00 1256.60	25000.00 2513.20 120.92 77500.00
9	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P. Total Qty	211.00 12.66 223.66 Approved Nos No.20, I.No	Assistant	2.00 2.00 5 SR) 2.00 Executiv , Sub-Div	0.40		2.00 19.00 2.00 2.00 2.00 Gi	12500.00 1256.60 rand Total : Executive Engi No.2, Divisio	25000.00 2513.20 120.92 77500.00 neer n,
9	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P. Total Qty Miscellenous, Unfrossen charges & round	211.00 12.66 223.66 Approved Nos No.20, I.No	Assistant	2.00 2.00 5 SR) 2.00 Executiv	0.40		2.00 19.00 2.00 2.00 2.00 Gi	12500.00 1256.60 rand Total :	25000.00 2513.20 120.92 77500.00 neer n,
9	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P. Total Qty Miscellenous, Unfrossen charges & round	211.00 12.66 223.66 Approved Nos No.20, I.No	Assistant	2.00 2.00 5 SR) 2.00 Executiv , Sub-Div	0.40		2.00 19.00 2.00 2.00 2.00 Gi	12500.00 1256.60 rand Total : Executive Engi No.2, Divisio	25000.00 2513.20 120.92 77500.00 neer n,
9	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P. Total Qty Miscellenous, Unfrossen charges & round	211.00 12.66 223.66 Approved Nos No.20, I.No	Assistant	2.00 2.00 5 SR) 2.00 Executiv , Sub-Div	0.40		2.00 19.00 2.00 2.00 2.00 Gi	12500.00 1256.60 rand Total : Executive Engi No.2, Divisio	25000.00 2513.20 120.92 77500.00 neer n,
9	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P. Total Qty Miscellenous, Unfrossen charges & round	211.00 12.66 223.66 Approved Nos No.20, I.No	Assistant	2.00 2.00 5 SR) 2.00 Executiv , Sub-Div	0.40		2.00 19.00 2.00 2.00 2.00 Gi	12500.00 1256.60 rand Total : Executive Engi No.2, Divisio	25000.00 2513.20 120.92 77500.00 neer n,
9	Area Weightage 6% Total Rate Providing R.C.C Hume Pipe Cistern (PRE Total Qty Erection of R.C.C. Hume Pipe Cistern. (P. Total Qty Miscellenous, Unfrossen charges & round	211.00 12.66 223.66 Approved Nos No.20, I.No	Assistant	2.00 2.00 5 SR) 2.00 Executiv , Sub-Div	0.40		2.00 19.00 2.00 2.00 2.00 Gi	12500.00 1256.60 rand Total : Executive Engi No.2, Divisio	25000.00 2513.20 120.92 77500.00 neer

NAM	E OF THE WORK : DETAILE	DESTIM	ΑΤΕ ΟΓ	RCC S	FORM W	ATER D	RAIN FO	R CONST	RUCTION OF
	666 (G.F) DU'S HOUSING AT				1 I.M. /I.N.				
	000 (G.F) DU 3 HOUSING AT		FUNA	JARA JI					LUDING
	INFRASTRUCTURE IN	BANGAL	ORE C	ITY, BY	ATRAYA	NAPUR	A AREA L	INDER RA	Y.
SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
							_		
1	Earthwork excavation by manual me	eans in ha r	r d soil in	ivolving an	average	horizontal t	hrow upto 2		
	,								
	meters and an average lift upto 0.5	5 m, excav	ated surf	ace levelle	d and sid	es neatly o	dressed, the		
	disposed earth to be levelled neatly	after break	king of clu	ode comple	oto as nor	enecificati			
	disposed earth to be levelled fleatly	allei biear			sie as per	specification			
	Chapter 3 (Page No152, Item No.19	9.2)							
	Kuvempunagara								
	Main Road No.01, 06, 07, 08 & 09		2	1410.00	0.85	0.90	2157.30		
	Cross Road		2	1410.00	0.00	0.30	2137.30		
	No.01, 06 & 07		2	480.00	0.85	0.90	734.40		
	Hill top Area								
	Main Road		0	75.00	0.05	0.00	44475		
	No.01 Cross Road		2	75.00	0.85	0.90	114.75		
	No.01		2	233.00	0.85	0.90	356.49		
	Total Qty	Cum					3362.94	89.04	299436.00
	Basic Rate	84.00							
	Area Weightage 6% Total Rate	5.04 89.04							
		03.04							
2	Providing and laying in position	plain cen	nent cor	ncrete of	mix M7.	5 with O	PC cement		
	@180kgs, with 40mm and down s	size aradea	t aranita	metal coa	ree aare	n @ aatee	85cum and		
		•	•						
	fine aggregates @ 0.57 cum maching	ne mixed, r	nachine	mixed,cond	crete laid i	n layers no	ot exceeding		
	15 cms, thick well compacted, in fo	undation a	nd plinth	, including	cost of all	material,	labour HOM		
	Machinery curing complete as per s	pecification	.(Page. I	No. 12 Iter	m No. 4.3)				
	······································				,				
	Kuvempunagara								
	Main Road		0	4 4 4 0 0 0 0	0.05	0.40	000 70		
	No.01, 06, 07, 08 & 09		2	1410.00	0.85	0.10	239.70		
	Cross Road								
	No.01, 06 & 07		2	480.00	0.85	0.10	81.60		
	Hill top Area								
	Main Road No.01		2	75.00	0.05	0.40	12.75		
	Cross Road		2	75.00	0.85	0.10	12.75		
	No.01		2	233.00	0.85	0.10	39.61		
	Total Qty	Cum					373.66	4211.38	1573624.00
	Basic Rate Area Weightage 6%								
	Area weightage 6%								

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
3	Providing and laying in position pla	in cement	concrete	of mix M2	20 with OF	PC cement	: @ 300kgs,		
	with 20mm and down size graded g	granite meta	al coarse	aggregate	es @0.64c	um and fin	e aggregtes		
	@ 0.43cum, with superplastisiser	@3lts con	firming to	o IS9103-′	1999 Reaf	firmed-200	08, machine		
	mixed, concrete laid in layers not e	exceeding	15 cms.	thick, well	compacte	ed, in foun	dation,plinth		
	and cills, including cost of all ma	aterials, lab	our, HO	M of mac	hinery, cu	ring comp	lete as per		
	specifications. Page No.12 Item No.	4.5. PWD	SR 2013-	14 Bangal	ore Circle.				
а	Kuvempunagara								
~	Main Road								
	No.01, 06, 07, 08 & 09								
	Bottom Slab Sides : 2sides x 2 Nos - 4 Nos		2	1410.00 1410.00	0.65	0.10	183.30 338.40		
	Sides . 2sides x 2 Nos - 4 Nos		4	1410.00	0.60	0.10	330.40		
	Cross Road								
	No.01, 06 & 07								
	Bottom Slab Sides : 2sides x 2 Nos - 4 Nos		2	480.00	0.65	0.10	62.40		
	Sides : 2sides x 2 Nos - 4 Nos		4	480.00	0.60	0.10	115.20		
	Hill top Area								
	Main Road								
	Bottom Slab		2	75.00	0.65	0.10	9.75		
	Sides : 2sides x 2 Nos - 4 Nos		4	75.00	0.60	0.10	18.00		
	Cross Road								
	Bottom Slab		2	233.00	0.65	0.10	30.29		
	Sides : 2sides x 2 Nos - 4 Nos		4	233.00	0.60	0.10	55.92		
	Total Qty	Cum					813.26	5224.74	4249072.00
	Basic Rate Area Weightage 6%								
	Total Rate								
4	Providing T.M.T steel reinforcement hooking, placing in position, lapping				C C	•			
			-			-	-		
	anchoring to the adjoining member				-	-			
	wastages shall not be measured	and paid)	cost of	materials	,labour,HC	OM of ma	chinery etc.		
	complete as per specifications (Pag	e. No. 19	ltem No.	4.46.1)					
			1	813.26	45	Kg/cmt	36596.70		
	Total Qty	Qtl					365.97	7244.04	2651080.00
	Basic Rate	6834.00							
	Area Weightage 6%								
	Total Rate	7244.04							
5	Providing and removing centering	a chuttori	a otrutti	ing proppi	na oto on	d romovol /	of form work		
5				• • • •	•				
	for vertaical surface such as walls a	ayt any thic	kness inc	luding atta	ched pilas	sters, buttre	esses, plinth		
	and string courses cost of all materi	als, labour	complete	e as per sp	ecification	s. (Page r	no -17, item		
	no - 4 21)								
	no - 4.31)								
а	Kuvempunagara								
	Main Road								
	No.01, 06, 07, 08 & 09			4 4 4 0 0 0	0.00		0700.00		
	Sides : 2sides x 4 Nos - 8 Nos		8	1410.00	0.60		6768.00		
	Cross Road								
	Sides : 2sides x 4 Nos - 8 Nos		8	480.00	0.60		2304.00		

SI No	Descritption of items	Unit	Nos	L	В	D	Qty	Rate	Amount
	Hill top Area								
	Main Road								
	Sides : 2sides x 4 Nos - 8 Nos		8	75.00	0.60		360.00		
	Cross Road								
	Sides : 2sides x 4 Nos - 8 Nos		8	233.00	0.60		1118.40		
	Total Qty	Sqm					10550.40	266.06	2807039.00
	Basic Rate	251.00							
	Area Weightage 6%	15.06							
	Total Rate	266.06							
7	Miscellenous, Unfrossen charges &	rounding c	off :						1749.00
							Gra	nd Total:	11582000.00
	Assistant Engineer				e Engineer		E	xecutive Er	
				1, Sub-Divi DB, Banga				No.2, Divis KSDB, Bang	
			NO	DB, Danga					

	ME OF THE WORK : DETAILED ES	TIMATE	OF SEV	VERAGI		CTION F		RUCTION	OF 666 (G.F)
	DU'S HOUSING AT KUVEMPUNAG								. ,
	BANGALOR		-			-			
SI									
No	Description of items	Unit	No	L	В	D	Qty	Rate	Amount
	KSRB 2-2.2 : Earthwork excavation for	foundation	on of bu	ildings, v	water supp	oly, sanitar	y lines and		
	electrical conduits either in pits or in tre	nches 1.5	m and a	bove in w	vidth, in ha	ard soil no	t exceeding		
1	1.5 m. in depth including dressing the bo						-		
	soil clear from edges of excavation with			-		-			
	specifications. specification. No. KBS				-		-		
	specifications. specification. No. KbS	2.1(0) / 2.	3.5 (201	5-14 SK	Fage No.5	, item NO.2	4)		
	Pipe Line		1	9.40	0.60	0.60	3.38		
	Inspection Chember		2	1.21	1.21	0.60	1.76		
	Total Qty	Cum					5.14	223.66	1149.82
	Basic Rate Area Weightage 6%	211.00 12.66							
	Total Rate								
2	upto 50m. and lift upto 1.5 m. including	cost of all	-	-	-	with lead			
2	upto 50m. and lift upto 1.5 m. including allow 60% of rate considered under it No.2.11)		labour c	omplete a	as per spe	cifications			
2	allow 60% of rate considered under it		labour c	omplete a	as per spe	cifications	5.14		
	allow 60% of rate considered under it No.2.11) Qty vide item No: 1		labour c	omplete a	as per spe	cifications		59.36	305.17
	allow 60% of rate considered under it No.2.11)	em KSRE	labour c	omplete a	as per spe	cifications	5.14	59.36	305.17
∠	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6%	em KSRE <u>Cum</u> 56.00 3.36	labour c	omplete a	as per spe	cifications		59.36	305.17
2	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate	em KSRE 	labour c	omplete a	as per spe	cifications		59.36	305.17
2	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate	em KSRE <u>Cum</u> <u>56.00</u> <u>3.36</u> 59.36	labour c 3 2.3 (20	omplete a	as per sper	cifications lo.6, Item		59.36	305.17
2	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate KSRB 12-1.1 : Providing and laying	em KSRE Cum 56.00 3.36 59.36 in position	labour c 3 2.3 (20	omplete a 013-14 S	as per sper R Page N	e 100mm		59.36	305.17
	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate KSRB 12-1.1 : Providing and laying internal diameter salt glazed stoneware	em KSRE Cum 56.00 3.36 59.36 in position pipes gra	abour c 3 2.3 (20 n to req ade A an	omplete a 013-14 S uired lev d jointing	as per sper R Page N el or slope with stiff r	e 100mm		59.36	305.17
	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate KSRB 12-1.1 : Providing and laying internal diameter salt glazed stoneware cement mortar in proportion of 1:1, t	em KSRE Cum 56.00 3.36 59.36 in position pipes gra esting of	labour c 3 2.3 (20 n to req ade A an pipes a	omplete a 013-14 S uired lev d jointing nd joints	as per sper R Page N el or slope with stiff r , including	e 100mm mixture of g cost of		59.36	305.17
	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate KSRB 12-1.1 : Providing and laying internal diameter salt glazed stoneware cement mortar in proportion of 1:1, t materials, labour charges complete as p	em KSRE Cum 56.00 3.36 59.36 in position pipes gra esting of per specifi	labour c 3 2.3 (20 n to req ade A an pipes a	omplete a 013-14 S uired lev d jointing nd joints	as per sper R Page N el or slope with stiff r , including	e 100mm mixture of g cost of		59.36	305.17
	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate KSRB 12-1.1 : Providing and laying internal diameter salt glazed stoneware cement mortar in proportion of 1:1, t	em KSRE Cum 56.00 3.36 59.36 in position pipes gra esting of per specifi	labour c 3 2.3 (20 n to req ade A an pipes a	omplete a 013-14 S uired lev d jointing nd joints	as per sper R Page N el or slope with stiff r , including	e 100mm mixture of g cost of		59.36	305.17
	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate KSRB 12-1.1 : Providing and laying internal diameter salt glazed stoneware cement mortar in proportion of 1:1, t materials, labour charges complete as p	em KSRE Cum 56.00 3.36 59.36 in position pipes gra esting of per specifi	labour c 3 2.3 (20 n to req ade A an pipes a	omplete a 013-14 S uired lev d jointing nd joints	as per sper R Page N el or slope with stiff r , including	e 100mm mixture of g cost of		59.36	305.17
	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate KSRB 12-1.1 : Providing and laying internal diameter salt glazed stoneware cement mortar in proportion of 1:1, t materials, labour charges complete as p / 12.7 (2013-14 SR Page No.71, Item No	em KSRE Cum 56.00 3.36 59.36 in position pipes gra esting of per specifi p.11.1)	labour c 3 2.3 (20 n to req ade A an pipes a cations.	omplete a 013-14 S uired lev d jointing nd joints Specifica	as per sper R Page N el or slope with stiff r , including	e 100mm mixture of g cost of	9.40		
	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate KSRB 12-1.1 : Providing and laying internal diameter salt glazed stoneware cement mortar in proportion of 1:1, t materials, labour charges complete as p / 12.7 (2013-14 SR Page No.71, Item No Total Qty	em KSRE Cum 56.00 3.36 59.36 in position pipes gra esting of per specifi p.11.1) Mtrs	labour c 3 2.3 (20 n to req ade A an pipes a cations.	omplete a 013-14 S uired lev d jointing nd joints Specifica	as per sper R Page N el or slope with stiff r , including	e 100mm mixture of g cost of	5.14	59.36	305.17
	allow 60% of rate considered under it No.2.11) Qty vide item No: 1 Total Qty Basic Rate Area Weightage 6% Total Rate KSRB 12-1.1 : Providing and laying internal diameter salt glazed stoneware cement mortar in proportion of 1:1, t materials, labour charges complete as p / 12.7 (2013-14 SR Page No.71, Item No	em KSRE Cum 56.00 3.36 59.36 in position pipes gra esting of per specifi p.11.1)	labour c 3 2.3 (20 n to req ade A an pipes a cations.	omplete a 013-14 S uired lev d jointing nd joints Specifica	as per sper R Page N el or slope with stiff r , including	e 100mm mixture of g cost of	9.40		

SI No	Description of items	Unit	No	L	В	D	Qty	Rate	Amount
	KSRB 12-8.1 : Constructing brick m	asonry ir	spectior	h chamb	er 450x30	0mm,and			
	450mm depth, (clear inside dimension) for sing	le pipeliı	ne, using	table mou	lded non-			
	modular bricks of class designation 50 in	n cement	mortar 1	:5. C.I co	ver with fr	ame (light			
	duty) 450x300mm internal dimensions,					Ϋ́			
		-							
4	than 38 kg (weight of cover 23kg and	-			-				
-	cement concrete M15 with 20mm and d	lownsize g	granite m	netal, four	ndation cor	ncrete M5			
	with 40mm and downsize granite meta	al inside	plasterir	ig 12mm	n thick wit	h cement			
	mortar 1:3, finish smooth with a floating	ng coat of	cemen	t on wall	s and bed	concrete			
	complete as per standard design includ	dina cost	of mate	erials, lab	our charge	es, curina			
	complete as per specifications. (2013-14	-			-	, eag			
	complete as per specifications. (2013-14	r or r age	110.75,		1.30.3)				
			2				2.00		
							2.00		
	Total Qty	No's					2.00	3024.18	6048.36
	Basic Rate	2853.00							
	Area Weightage 6%								
	Total Rate	3024.18							
	KSRB 12-7.1 : Making connection of dra		L						
	North 12 1.1 : Making connection of are			1 0120 100	0 200111	in oxtorrial			
	dia with existing manhole including breat	kina into e	ind maki	na aood	the walls, f	loors with			
	5 5	ge e		g geea					
		-							
5	cement concreteM15 with 20mm and do	wnsize gra	anite me	tal, ceme	nt plastere	d on both			
5		wnsize gra	anite me	tal, ceme	nt plastere	d on both			
5	cement concreteM15 with 20mm and do	ownsize gra g coat of	anite me neat cer	tal, ceme ment, and	nt plastere d making r	d on both necessary			
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating channels for the drain, including cost of	ownsize gra g coat of f materials	anite me neat cer s, labour	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary			
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating	ownsize gra g coat of f materials	anite me neat cer s, labour	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary			
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating channels for the drain, including cost of	ownsize gra g coat of f materials	anite me neat cer s, labour No.11.4	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary	1.00		
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating channels for the drain, including cost of	ownsize gra g coat of f materials	anite me neat cer s, labour	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary	1.00		
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating channels for the drain, including cost of	ownsize gra g coat of f materials	anite me neat cer s, labour No.11.4	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary	1.00	1378.00	1378.00
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating channels for the drain, including cost of per specifications. (2013-14 SR Page No	g coat of f materials 0.75, Item	anite me neat cer s, labour No.11.4	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary		1378.00	1378.00
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating channels for the drain, including cost of per specifications. (2013-14 SR Page No Total Qty	g coat of f materials 0.75, Item	anite me neat cer s, labour No.11.4	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary		1378.00	1378.00
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating channels for the drain, including cost of per specifications. (2013-14 SR Page No Total Qty Basic Rate	wnsize gra g coat of f materials o.75, Item No's 1300.00 78.00	anite me neat cer s, labour No.11.4	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary		1378.00	1378.00
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating channels for the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specifications. (2013-14 SR Page No Description of the drain, including cost of per specification of the drain, including cost of the drain,	wnsize gra g coat of f materials o.75, Item No's 1300.00 78.00	anite me neat cer s, labour No.11.4	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary		1378.00	
5	cement concreteM15 with 20mm and do sides of mix 1:3, finished with a floating channels for the drain, including cost of per specifications. (2013-14 SR Page No Total Qty Basic Rate Area Weightage 6%	wnsize gra g coat of f materials o.75, Item No's 1300.00 78.00	anite me neat cer s, labour No.11.4	tal, ceme ment, and charges,	nt plastere d making r	d on both necessary		1378.00	1378.00
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NAM	E OF THE WORK : DETAILED ESTIM	ATE OF	SERVI	CE CON	NECT	ION FO	R ELECTR	IFICATIO	N WORKS FOR
	CONSTRUCTION OF 666 (G.F) DU'S I								
	INCLUDING INFRASTRUCTURE I						•		-
				,					
SI No	Description	Unit	No	L	В	D	Qty	Rate	Amount
	Concealed Conduit System: Supplying 19	/20mm d	ia 2mm	thick hea	vv dau	ne PVC c	onduit pipe		
	with suitable size bends, metal/PVC junc					-			
	concreteing the slab. The conduit should b			-			-		
1	and unused ways of juction boxes and pip	be ends s	sould be	covered	using F	VC end	enclosures.		
	run with 18SWG GI fish wire wherever neo	cessary. v	with all le	ead and li	fts and	as per th	e directions		
	of the Engineering in charge of work.(P-2,	I-2a) (Ele	SR-10-	11)		1	1		
			1	3.00			3.00		
	Total Qty	Mtr					3.00	32.00	96.00
						-			90.00
	Suppling of L.T UGClass 'A' PVC cable		-	-					
2	insulated, sheathed, galvanised, steel wir		-				-		
	1.1K.V class A PVC cable 3.5 core 25 S	•	th all lea	ad and lif	ft etc.,	complete	as per the		
	direction of engineer incharge of work.(P-6	8, I-4le)							
			1	14.00			14.00		
	Total Qty	Mtr					14.00	215.00	3010.00
	Labour charges for laying 1.1 KV class U	G cable :	25 Sqmi	m to 75 S	Sqmm I	nexisting	trench/duct		
_	when supplied agency in existing trenh G	l pipe/sto	neware	pipe/on v	vall/on p	oole as re	quired with		
3	all lead and lift etc., complete with all lead	and lifts a	and as p	er the dire	ections	of the En	gineering in		
	charge of work.(P-69, I-4Ia)	1	1		1	1	I		
			1	14.00			14.00		
	Total Qty	Mtr					14.00	8.00	112.00
	Digging of trench of 0.6 mtrs deep X 0.5mt			o of coill	and rafi	ling the tr			
	required ground level and consolidating					•			
4				in all lea	u anu	ints and	as per the		
	directions of the Engineering in charge of v	NOLK'(H-1	U, I-6D)						
			1	8.00			8.00		
	Total Qty	Mtr					8.00	50.00	400.00
	Providing and filling sand in excavated tree	nch to co	ver alrea	ady laid U	IG cable	e to depth	n of 150mm		
5	around the cable etc complet with all lead	d and lift	as per	the direct	tion of e	engineer	incharge of		
	work.(P-70, I-7)								
			1	8.00			8.00		
	Total Qty	Mtr					8.00	66.00	528.00
	Providing and laying in position 100 mm di	a stonew	are pipe	in existin	g trenc	h etc com	plet with all		
6	lead and lifts and as per the directions of the				-		-		
						,)			

SI No	Description	Unit	No	L	В	D	Qty	Rate	Amount					
			1	8.00			8.00							
	Total Qty	Mtr					8.00	125.00	1000.00					
	Supplying and fixing of class A (Medium d	luty) 50m	m dia G	I pipe of	wall thi	ckness n	ot less than							
7	3.25mm on pole/wall/drain crossing with r	neccesar	y clampi	ing arrang	gement	for UG o	able of 1.1							
· /	KV etc complet with all lead and lifts and	as per t	he direc	tions of th	ne Engi	neering i	n charge of							
	work.(P-70, I-9b)													
		1 7.00 7.0												
	Total Qty	Mtr					7.00	260.00	1820.00					
								200.00	1020.00					
	Fabricating supplying and mounting M.S b						•							
	fully weather proff provition better heat of	•	•	•										
8	tamper proof loking arrangement with suit		-		-									
	gland and box should be finished with the			-		-								
	approved colour enamelled metal paint	-			d and	lifts and	as per the							
	directions of the Engineering in charge of v	work.(P-4	2, I-38b)											
			1	4818.00			4818.00							
	Total Qty	Sqmm					4818.00	0.33	1589.94					
	Supplying fixing, wiring, earth electrode for on the meter board using 40mm dia 2.9 th	•	•											
	propotion of salt and charcoal hold 150m		-		-		-							
9	from the pipe to the conduit etc is to				-	-								
	specification 7.3.3 of IS 732 using 12mm	dia bolt	s nuts, v	washers,	and ch	ecknuts e	etc the pipe							
	shall have 16 through holes of 120mm dis	etc comp	olet with	all lead a	nd lift a	s per the	direction of							
	engineer incharge of work.(P-68, I-1)													
			1				1.00							
	Total Qty	Each					1.00	1950.00	1950.00					
	Supplying fixing LT cast iron pot heads	suitable	1.1 K.V	class UC	G cale	25 Sqmn	n filled with							
10	neccesary bitumimi /insulating compoun	nd compl	et with	terminals	s, clam	ips blots	, nuts and							
10	washers etc complete with all lead and lifts	g in charge												
	of work.(P-70, I-10c)		1	1										
			1				1.00							
	Total Qty	Each					1.00	286.00	286.00					
								200.00	200.00					
	Supplying and fixing of 32 Amps porcelair				-									
11	neccesary nuts, bolts and wahsers etc c	omplete	with all	lead and	l lift as	per the	direction of							
	engineer incharge of work.(P-32, I-3b)													
			1				1.00							
	Total Qty	Each					1.00	100.00	100.00					
	Suppling and fixing miniture circuit breake	rs on exi	sting MC	B distribu	ution bo	ard using	neccesary							
12	fixing material and wiring complet as requ	ired etc 5	5-32 Am	ps Group	A with	all lead a	nd lifts and							
	as per the directions of the Engineering in	charge o	f work.(F	P-36, I-12a	a1)									
		-												

SI No	Description	Unit	No	L	В	D	Qty	Rate	Amount
			1				1.00		
	Total Qty	Each					1.00	195.00	195.00
13	Supplying fixing and wiring electronic 10 Meter (P-39, I-25a)	to 40 Ai	mps Ele	ctro Mec	hnical s	single pha	ase Energy		
			1				1.00		
	Total Qty	Each					1.00	1835.00	1835.00
14	Miscellaneous and Roundingoff								78.06
				Т	otal fo	r One Ho	ouses Cor	nnection :	13000.00
				Grand	total fo	or 666 Ho	ouses Cor	nection :	8658000.00
	Assistant Engineer	A	ssistant	Executive	e Engine	eer		Executive Er	ngineer
-			No:4,	Sub-Divi B, Banga	sion,			No.2, Divis KSDB, Ban	sion,

7. PROJECT IMPLEMENTATION & MANAGEMENT FRAMEWORK

CHAPTER-7 PROJECT IMPLIMENTATION & MANAGEMENT FRAMEWORK

Implementation Plan

A DPR would be recommended for each and every slum for implementation of slum development plan. The plan implementation and modalities would be discussed in detail through slum level community participation.

Prioritization of slums

Parameters for prioritization of slums for implementation of in-situ provement / redevelopment for first phase of implementation for tenable slums are suggested below:

- Insecure tenure of slum pockets: Settlements without any security of tenure are most vulnerable and therefore should be given priority in selection for improvement.
- Housing conditions and infrastructure deficiency: Settlements with poor housing conditions and infrastructure deficiency should be given high priority for improvements.
- Public land ownership: Slum pockets on public sector owned land should be prioritized for improvement, as slums on private land would either require negotiations with owner or time consuming acquisition. Slum improvement/redevelopment should first be taken up where land is owned by Government agencies.
- Existence of trunk infrastructure: Areas near existing trunk infrastructure with spare capacity should receive priority, since investments will be more cost effective.
- Population Density: Priority should be given to small and medium size slums with low or moderate densities as it is difficult to improve very high density Large slums.

The total percentage is divided into 5 ranges and five (5) ranks have been given for prioritization. Then, addition of ranks for each indicator has done for all the slums. Mean from this total have been taken to prioritize slums year-wise for period of 5 years.

All the slums in the ULB are proposed to be covered under RAY in the phased manner three different mode of development has been chosen to improve the existing slum conditions as well prevent future growth of the same. The following gives a brief these modes and its characteristics:

Relocation mode

- Depending on the location and where there is no alternative
- Involves communities in identification of alternative sites
- Ensures that education, health, transport, basic services and infrastructure and provided before relocation





implementing agency



In situ slum redevelopment mode

- Involves redevelopment of whole site to provide more living space and improved environmental conditions such as those in high density areas.
- Provision of transit accommodation and including of all residents, especially the extremely poor critical to success

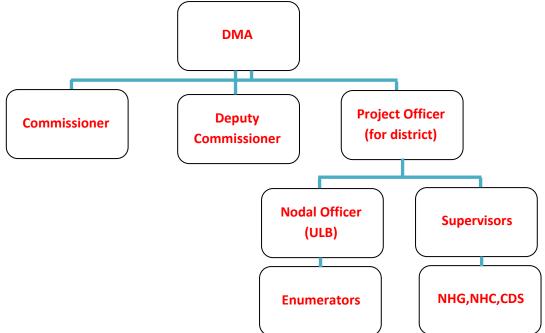
In situ slum up-gradation mode

• Involves a mixture of provision or upgrading of service and infrastructure levels, incremental housing improvements or selective replacement of katcha houses

In Bangalore's case, almost 65% of registered and 35% of the unregistered households falls under ULB. Category and where the in situ mode of development has been chosen with multiple options such as RAY Guidelines)

PROJECT MANAGEMENT AND SET-UP

Directorate of Municipal Administration (DMA) is the nodal agency to implement 'Rajiv Awaz Yojana' in the State. As per the directions of Government of India, Slum Survey & Mapping Process has started in Karnataka from 14.07.2009. Chart Institutional arrangement of agencies



Agencies (including procurement process) & Stakeholders involved

DMA has been the Nodal agency to monitor the quantity and quality of surveys performed by individual cities. Commissioners and deputy commissioners have established a system where in a Project Officer has taken in charge for one district, a project officer for a ULB and number of supervisors for quality and quantity check upon the enumerators who



have done the surveys. Member of Self Help Groups constituted under SJSRYlUrban Shree Shakthi Scheme & Anganwadi Teachers with minimum qualification of SSLC were taken as Enumerators to collect information and to fill up the survey forms. A set of two Enumerators to cover 20-22 households in a day for every 300 to 400 households one set of enumerator was appointed. The various stakeholders involved in the process comprised of NHG's, NHC's, CDS and reputed NGO's working in the local areas.

b. GIS mapping

Methodology: Karnataka State Remote Sensing Applications Center (KSRSAC) has been awarded the job of GIS Mapping. The satellite images were acquired for all cities and digitization of city and slum boundaries are in process. KSRSAC is the only stakeholder involved in preparation of GIS maps for the state and it directly reports to DMA.

c. MIS

Methodology: DMA has initiated. a project division under the operation of Municipal Reforms Cell (MRC), which has performed the operations of MIS. Data Entry has been done at ULB level and ported the data to the main server at MRC. A routine checkup of data has been reformed and uploaded in a web tool specially prepared for RAY project called Asha Kirana Mahithi (AKM) @ <u>http://www.mrc.gov.in/akm</u>. Every ULB has given a USER Name & PASSWORD to access their data from the Central Server: The front and back end of the webtool is Java and Oracle. Once the data is frozen and migrated to centralized data base at MRC, any editing of data will be done by the Project Director, DUDC in case of Town Panchayats, Town Municipal Council, and City Municipal Council and by Commissioners in case of City Corporations. In case of BBMP it will be done by Zonal Commissioners. AKM web tool has the synchronizing database structure with that of national MIS database prepared by Centre for Good Governance (CGG), so that at any required time, database can be transferred to the national tool.

d. Stakeholder Consultation

The stakeholder consultations are done at 3 stages:

- 1. City level consultation: This is the first stage of stake holder meeting where the city level data is analyzes and the major problems in the city are discussed with sectoral officials like water supply, sanitation, slum clearance board, etc.
- 2. Slum level consultation: At this stage the slum dwellers playa key role in explain the existing situation of slums and in giving the correct picture of the basic employment and other details of the slums.
- 3. Official meeting: At this stage of meeting the proposals of the development are discussed in detail with the commissioner, urban poverty alleviation cell, slum clearance board and other officials concerned.

Once a development option is chosen for a particular slum habitation, the implementation structures are to be decided based on the extent of public, community and private



implementing agency



involvement. It is envisaged that for any of the implementation structures chosen, the community and the implementing ULB will have overarching roles as set out below. The same would need to be taken into account while formulating the implementation options.

Discussion of summaries

- Boundary confirmation
- Slum overlapping boundaries
- Hazardous slums
- Prioritization
- Offshore costing

Slum Categorization

The Categorization of Slums is done based on the scoring and ranking method where certain parameters are taken into account to identify the deficiencies and make suitable decisions. The three important parameters that play equal role in determining the slums that are deficient are Housing, Infrastructure and Tenure status. In this section, the following parameters such as Tenability, Abutting Land use, Tenure status, Ownership of the land, density and land value are being discussed.

a. Tenability

As a first step, the slums and vacant lands will be categorized as tenable, or untenable. Untenable slums will be only those which are 'unsafe' or 'health hazard' to the inhabitants or to their neighborhoods, even if redeveloped. Such untenable sites or portions will be earmark for relocation to other redevelopment/vacant sites, preferably within the same zone.

Of 37 slums identified, 81 % of the slums are found to be tenable while 19% to be semitenable. Due to surrounding land use non-residential uses and any other land reservation. In order to make these slums tenable it is recommended to change in present land use zoning be made however it will be decided competent authority.

b. Abutting Land use

It is established that 92% of the households are surrounded by the residential use, followed by 1 % under commercial and 2% by industrial. To identify vacant lands for slum rehabilitation and prevention, the information to be procured is of vital importance to enable further classification of the slums based upon land value and to decide upon redevelopment models for each slum pocket within the zones.

c. Land tenure Status

38% of the slum households have registered with possession certificates while 18% are registered and have Pattas for their respective lands. On the contrary, 3% of the households are not registered and hence live on encroached lands of private as well as public owned and 41% of the households are rented.







d. Ownership of Land Status

The categorization based on land ownership of slums can be used in assigning strategies for development and priorities for implementation under various strategies for development. 56% of total households have registered and the remaining 44% are not registered with any agency. Under the ownership of ULB, 31 % of the households are registered and 23% are unregistered. Similarly 22% are registered and 19% households are unregistered, belong to the private ownership of the land. Overall under the Railways owned lands, 4% belong to registered and 2% unregistered. Speaking of ownership, Urban Local Body ownership is termed to be the highest with 56% of the households under it. Still 44% of the households need a secured status in order to avail better infrastructure. 27% of the notified slums and 30% of the non notified slums are under the ownership of ULB. While on other side, it is also found that private agencies make the largest by owning nearly 27% of the notified and 11 % of the non-notified slums and 5% of the notified slums are under ownership of Railways. 10 are notified slums with land owned by ULB and the remaining 10 slums owned by Private agencies. As far as land covered by respective agencies, it is found that urban local Body holds the highest percent (63%) owning the lands under slums.

e. Density

In this context, due consideration will have to be given to existing density of each slum pocket within a zone, in order to propose a suitable development option. Based on Section-I data analysis, the classification of the slums is based on the values of density where:

- Low where density is less than 120 persons per hectare
- Medium where density ranges from 120- 250 persons per hectare
- High where density is greater than 250 persons per hectare

As per the prioritization, it was found that 20 slums have Low density while 10 slums are moderately dense and the remaining pretty low. Under the category of low density, 14 slums have been chosen for In-situ and 6 slums for up-gradation. At the same time, 11 slums which are moderately dense are tentatively selected 6 for In-situ and 4 for up-gradation mode. Of the highly dense slums, 4 have been chosen for in-situ and ;3' for up-gradation.

f. Land value

For Bangalore City, the land values will be determined with reference to the slum and it is case specific and based on the mode of development, which will be calculated during preparation of DPR. At this is stage, it might be difficult to determine the land value as it is expected to vary in concord with market prices.

Slum Rehabilitation Framework

According to RAY guidelines, preparation of housing condition & infrastructure deficiency and tenure insecurity matrix for all slum settlements is based on scoring and ranking. The matrix is based on three important parameters: Housing, Infrastructure and Tenure. Within these, Housing and Infrastructure are the physical parameters that are directly related to the



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existing quality of the housing condition, while land tenure defines the legal status of land ownership.

TENDERING:

- i) Notification of tenders one week from date of approval to the project.
- ii) Receipt of tenders within one month form the date of notification.
- iii) Appointment of contractors within one month from receipt of tenders.
- iv) Construction period nine months from the date of appointment of contractors.

QUALITY CONTROL & QUALITY ASSURANCE.

The KSDB and contract data provide for establishment of field laboratory and also quality control tests in any reputed testing laboratories. As project management consultants are also appointed they will be responsible for 10% quality checks. In addition the field Engineers will also be checking the quality and the major item in housing is RMC and steel. RMC is obtained from reputed manufacturers will also provide test results.

POST CONSTRUCTION SERVICE.

The Project Implementation, its Sustenance in terms of Post Occupancy Management Has been given detailed though in this chapter also throws light on the Impacts of the projects and its estimated benefits to the urban poor and entire city as well.

The construction would be maintained by contractors for twelve months after the completion of the project as per the K SDB and the agreement prescribed by the Govt.

Implementation Mechanism

The implementation mechanism envisaged for the project attempts to balance Democratic accountability with functional efficiency, in a framework of beneficiaries Participation approach. It is designed to initiate some of the processes of grassroots Devolution of power and responsibilities as proposed in the Constitution (74th Amendment) Act 1992, although with short-term circumvention for speedy implementation, Until the structures under the 74th Amendment are full in place and Functioning at all scales. the suggestions made in this report are by no means sacrosanct. Other similar delivery mechanisms may also be considered, Provided that the objectives of this project are met within the framework of partnerships, participation, good governance and efficiency.

The success of the project depends partly on the proposed implementation mechanism but even more critically on the larger issues of the governance structures as well as on the overall development of Gwalior city to sustain the demands of the project and even benefit from it.







Community Based Organization

Community based organization have been established in each of the scheme which will participate actively in the implementation process with the Gwalior municipal corporation. the organization has been registered and recognized by the Gwalior Municipal Corporation.

Role of BBMP/KSDB

The project will be tendered to Private Contractor as a single package on contractual basis. At the city level the Corporation will be the principal executing agency and a joint financier with the support of the special bodies as and when required. The other agencies would supplement the Corporation with its community development staff and at the same time enable convergence of the other programmes related to the social sectors to the project.

Total work plan

KSDB The implementing agency has prepared a plan of operations referred earlier in section. It is a work plan organized location wise and component wise. The plans are processed and approved by the competent authority. The approved work plan duly consolidated will become the benchmark for internal monitoring.

Internal Monitoring

The basis of internal monitoring is the total work plan. It is necessary to briefly state the process of formulation of total work plan to situate the internal monitoring process in a proper perspective.

Monthly Progress Reports

The monthly progress reports will be submitted by PMC and will be presented in two parts:

- Physical progress reports showing location wise activity wise component wise physical progress in the execution of the work, and
- Financial progress reports that show corresponding expenditure for each of the activity.

A consolidated monthly status report along with suggested corrective action is submitted to the head project monitoring Committee. The Committee reviews the status report of all areas in relation to the physical and financial targets and processing of all requirements.







Quality assurance

A part from receiving the monthly reports the Head project Monitoring (PMU) of the also has a system to monitor the physical progress of the project. This is done through a system of internal audit and through physical verification of activities.

Project time frame

This project, which is complex in terms of activities and scales, depends on the perceptions and participation of many partners at various levels and has to respond to many imponderables of the city development. In such circumstances, fossilized project proposals and budgets would invariably lead to the problems of cost over - runs and time extensions. The Project formulation and implementation needs to dynamic in response to the changing needs as well knowledge gained along with the way. It is proposed the project is executed in one phase in 24 months.

Si No	Activities	l st Qu arte r	2 nd Qu arte r	3 rd Qu arte r	4 th Qua rter	5 th Qua rter	6 th Qu arte r	7 th Qu arte r	8 th Qu arte r	Total cost (Lakhs)
1.	Procurement Process									
2.	Construction of Housing									
3.	Physical Infrastructure									
4.	Social Infrastructure									
5.	DPR Preparation , Project Management & sup									
6.	Carp. Bldg., com Mob Social audit & TPIM									
7	0 & M									
	Grand Total									
	Total First two Quarters									
	Total for 1 st Year									



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DPR for Construction of 666 (G.F) Du's Housing at Kuvempunagara slum (in-situ development) including infrastructure in Bangalore City, Byatarayanapura Area Under Rajiv Awas Yojana ($\rm RAY$)

Total for 2 nd Year					
Grant by GOI					
Grant by GoK., ULB & Beneficiaries Share					







8. OPERATION & MAINTANANCE

CHAPTER 8 . OPERATION AND MANTANANCE

Operation & Maintenance

In general, operation and maintenance costs form a sizeable share of a slum redevelopment budget. In case of Bangalore slums, O & M costs makes up 9% of the total estimated cost for each year. The following list of related costs that will be incurred during the implementation of a slum rehabilitation/redevelopment includes:

- O&M (4%)
- A & OE, IEC, DPR Preparation & PMC (5%) •

Depending upon the mode of development, the operation and maintenance costs will vary for the slums.

a. Slum dwellers

Slum dwellers also act as stakeholders in planning for slums as they understand the slums, strategies implemented in those slums and future requirements. Hence they should be trained in developing their respective slums, otherwise the aims of SJSRY staff not be fulfilled

b. Intermediaries

CO's, CBO's and community volunteers are the Intermediary stakeholders to train the trainer's. Capacity building for them is convincing & managing the slum association to accept proposals, Training and adequate guidance to the CBO's and the community volunteers can be organized by the concerned cells/agencies/lead NGO to build common understanding on their role and purpose of data collection for the SFCP. The capacity building activities can also be undertaken by the National Network Resource Centres (NNRCs), empanelled by the Mo/HUPA.

It is expected that the SFCPoA is prepared with active participation of community during the planning process. To enable the same suitable structures (cooperatives/ societies) might need to be formed, where necessary. The communities would need to demonstrate willingness to adopt the implementation option, plan for livelihood/ economic activities within the slum. Communities are also expected to assist in generating the beneficiary contribution.

c. Urban Local Body performs tasks under Government stakeholders

Being the main sponsor of the RAY scheme, ULB would prepare the SFCPoA as a first step to clearly articulate the action plan for making the city "slum free". During the preparation of Slum Free City Plan of Action, ULB would continuously consult with the community in the planning process. During the process, ULB would categorize and prioritize for rehabilitation! Development, and would provide/ facilitate provision of infrastructure.



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ULB, in consultation with the community, will also allot dwelling units and enable provision of the legal titles to

Reforms & Slum Prevention Reforms

For any city, preventing the formation of newer slums is quite critical and pretty much the same as dealing with the existing slums. A key component in preventing future slums is the availability of developed lands at affordable prices, set aside for meeting the needs of the urban poor. To prevent further growth of slums and improve the social status of existing ones along with reconstruction, the states need to make the following provisions in terms of amendments to certain legislations, reservation of lands, as well as formulate newer laws such as:

• Assignment of property rights

The property rights shall not be assigned to the slum dwellers in the slum Areas notified and located on any of the following categories:

Objectionable government lands, such as tank beds, burial grounds, solid waste land Jill cities etc., central government, defense, industrial units, disputed lands, protected monuments, public sector lands and other lands which are specified by government for a specific purpose and usage.

The legal title should be entitled either on the woman or jointly with the main male householder, provided it should be made on the house or the land and it must be alienable as per the transfer of title to state after a certain period.

• Formation of Slum Redevelopment Authorities

A slum redevelopment authority is to be created at state level with induction of members from various departments. The role of the authority would be to provide guidance in identification of slums, formulate policies and programmes for redevelopment and rehabilitation of slums, special zoning regulations and to administer the funds released by govt. of India, state govt. and other agencies. On similar lines of the slum redevelopment authority at state level, a district level authority can be formed to function as well as monitor the slum rehabilitation for each district.

• Land Acquisition

Just in case where no suitable government or ULB lands are available, suitable private patta lands are identified for rehabilitation of slum areas. In process, the competent authority shall take action for acquisition of lands under the provisions of land acquisition act, 1894.

• Land pooling

In land pooling/town planning scheme, the owner or developer undertaking the development shall reserve and earmark the land in the proportions of 5% for the economically weaker sections (EWS) and 5% of land for low income group persons for







housing purpose. In case of vertical development, 20% of built up space shall be earmarked for EWS and low income groups.

Once implemented, in the long term, availability of affordable land Housing will discourage squatting by poor on public lands and create slum free cities. It will also sustainably reduce urban *poverty* levels by providing regal access to better services and economic opportunities.

Transferable Development Rights (TDR) /Incentive Zoning

TDR is aimed at providing to a land owner builder additional FAR in another property part of the city in exchange for presently occupied land so that the land could consolidated. This method has been extensively used in other parts of India.

• Microfinance for shelter up-gradation

To make cities slum free, it is necessary to build partnerships with Self Help Groups and Micro Finance Institutions both formal and informal to help poor access money to purchase land /houses. Often Financial Institutions prefer to provide loans through NGOs, who works as intermediaries, to disburse loan to beneficiaries. State/ city administration can facilitate this process by standing guarantee or by framing appropriate regulations so that benefits of these transactions reach the target group.

• Other legislations

- Under the 7- Point Charter of JNNURM in order to make serviced land available for the poor for the future and to prevent slums - there is a necessity to reserve 0%-25% of the land for every new public/private housing projects.
- Amendment to enactments to enable revision of population density norms, FAR, land use, etc. and to allow private sector participation wherever reasonably possible.
- Extension of basic network services including health and education to slum settlements through national sanitation and health related programmes
- Provision of skills and training and nonwage, self employment assistance, the selfemployment component in the SJSRY
- Changes in Master Plans that allows for slum renewal and redevelopment, legislation and building byelaws.

ULB's role

The implementing agency ULB would need to continue fiscal reforms that have already been initiated under the JNNURM and other relevant schemes. Approach to financing of the ULB contribution would need to be a combination of initiatives that ring-fence and maximize internal accruals, and developing a framework for sustainable community participation/unlocking other sources of revenues.



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Capacity Building

With the launch of RAY, capacity building efforts received a significant boost in terms scale as well as scope. It is usually focused on provision of technical assistance, training an "knowledge support to enable implementation of programmers and related components. Throng incremental approach and comprehensive framework, capacity building requires in selecting appropriate mode of training and should imply the flow of ideas, systems and process knowledge management through the creation of networks of sector managers for sharing emerging trends, ideas and best practices towards implementing slum free cities.

At State level,

The state needs to prepare state specific capacity building strategy should map existing arrangements/requirements/gap analysis/identify specific measures for strengthening existing facilities and expertise. This framework should incentivize knowledge and skill development and provide an environment for the use of skills acquired.

At ULB level,

Given the legal implications, it is essential for ULB staff to improve levels of performance in order to reduce evasion. Hence to gain expected outcomes, it is necessary for orienting ULB personnel to the role expected out of them in the context of rising expectations from the citizens in terms of service delivery, greater transparency and accountability etc.

At NGO's level,

Implementation of projects and reforms involves increased stakeholders participation among the general public, NGOs and the private sector. There is a need to create forums where different stakeholders can articulate their demands for better service delivery and governance levels.

Slum dwellers

Slum dwellers also act as stakeholders in planning for slums as they understand the slums, strategies implemented in those slums and future requirements. Hence they should be trained in developing their respective slums, otherwise the aims of SJSRY staff not be fulfilled. An amount up to 5% of the total annual allocation of RA Y scheme will be set aside for capacity building activities, of which 1 % would be utilized by the Centre, 4% by the States Ts, n addition, up to 5% of the total scheme allocation will be earmarked for preparatory activity regarding development of Slum-Free City Plans including pilot projects, preparation of DPRs. community mobilization, IEC, planning and administrative expenses for both the Centre and the States/UTs and creation of institutional space and capacities.

Assessment of Implementation Options

The assessment for implementing a mode of development for any slum in Bangalore city would be based on the prevailing land value. The implementation could be both public and







private depending on the public and stakeholders consensus with due approval of the city with respect to its land ownership and project implementation. Financing Plan

a. Summary of Investments

Sector	Total Project Cost
Sector	(Iakhs)
Housing	2897.10
Water Supply	48.36
Sanitation	73.26
Solid waste management	-
Roads	224.70
Street Lighting	86.58
Education	-
Health	-
Social development	-
i. Parks & Landscape	-
ii. Community Centre	-
iii. Anganwadi	-
Others	299.70
Total	3629.70

The operation and maintenance of the project which is usually not taken care of is the most important aspect of the project and its success. It has been looked after in a very simple and resolved manner in this report. The Community participation is of signification Importance in the Operation and Maintenance of the Assets created and to create an ownership feeling between the residents. The Community has been involved in the planning of Operation and Maintenance of the Locality.

Funds required for Operation and Maintenance will be raised at different levels from residents in form of user charges, ULB fund will be raised from the taxes collected and for O & M Funds a separate joint bank account between the CBO and the ULB is proposed. ULB & CBO are required to maintain Escrow accounts for O&M money.

An escrow account is an arrangement made under contractual provisions between transacting parties, whereby an independent trusted third party received and disbursement by the transacting parties. With the timing of such disbursement by the third party dependent on the fulfillment of contractually – agreed conditions by the transacting parties.







The Operation and maintenance Cost proposed in the DPR for the initial five years will be given to the CBO in installment as per need. For this purpose an Escrow account is opened to facilitate the purpose under the specific heads. Water supply line Repairs, Sewerage line repair, Street lights, Road maintenance & Sweeping, irrigation & maintenance of garden, Neighborhood Facilities such as Community Centre and maintenance of social infrastructure like primary school, open spaces etc.

Building Block Level

• Water Supply

Every Individual is responsible for Water usage for their households & it is paid by user in form of user Charges.

• Door to Collection of Solid Waste

Community Based Organization will arrange a person to collect waste from each Household, & he will be paid by users in form of user Charges.

- Electricity usage by individual HHs Every Individual is responsible for electricity usage for their households & it is paid by user in form of user Charges.
- Common Areas of Building Block (Staircase, Corridors etc) It will be looked after by the Residents of that particular Block. the residents to share

costs for maintenance of the common areas in the building block like cleaning, common area and lighting within the blocks like the staircase lobby etc.

• Periodic Repair, Colouring & Retro Fitting etc. of Building Block.

For other periodic Repairs of the Building Blocks like yearly colouring and retrofitting to keep the created assets in the form of building block functional, funds will be utilized from the O&M fund to maintain this.

Housing Area and Neighborhood level

• Water Supply

ULB will be responsible for periodic Cleaning of Sump well, terrace tanks and repair of Water Supply distribution Line; with the help of O&M funds.

• Sewerage

ULB will be responsible for periodic Cleaning of Septic tank & Repairs of Sewerage distribution Line with the help of O&M Funds



implementing agency



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• Strom Water Drainage

ULB will be responsible for Periodic Repair of Strom water Drainage Network with the help of O&M Funds.

• Sweeping of Roads

The Community Based Organization will be responsible for sweeping of roads & solid waste management they will collect for maintenance of the assets from the residents and may hire services in form of Public private partnership for the same.

• Roads & Streets Lights

ULB will be responsible for Periodically Repairing of Roads, Footpaths & Replacement of Street Lights with the help of O&M Funds.

• Electricity

For functioning of the facilities like water supply, Electrical supply for pump house to raise water to the Individual building blocks terrace tanks and for installation of street lights and providing electrical supply within the slums will be done by ULB which will carry out from the funds raised from various taxes and from residents.

• Neighborhood Facilities

Community Based organization, which is formed, will look after assets created at Neighborhood level such as community hall, Primary school gardens, Parks & open spaces etc. They will also look after their day to day cleaning. Periodic Repair & retro fitting of Neighborhood facilities which CBO can outsource to Private Agencies with local labour.

City Level

ULB will be responsible for operation & maintenance of Main trunk lines of water supply, sewerage etc. and solid waste management – transportation & recycling from the slums & operation and maintenance of connecting roads & streetlights. Will be done by ULB for which they will carry out the funds raised from various taxes.

Si No	Activities		Respo	nsibility	Funding					
		HHs	СВО	KSDB/Other Govt Agencies	User Contribution	User Charges	KSDB/ Others	O & M Funds		
1.	Building Block level									







а	Water supply usage by individual HHs				
b	Door to Door Collection of solid waste				
С	Electricity usage by Individual HHs				
d	Electrification & Lighting of common areas of building block (Staircase, Corridor etc.)				
e	Day to Day cleaning of common areas of building block (Staircase, Corridor etc.)				
f	Periodic Repair, colouring & Retro fitting				
2	Housing area and Neighbourhood level				
a	Periodic cleaning of sump well & terrace tanks , Repairs of water supply distribution line				



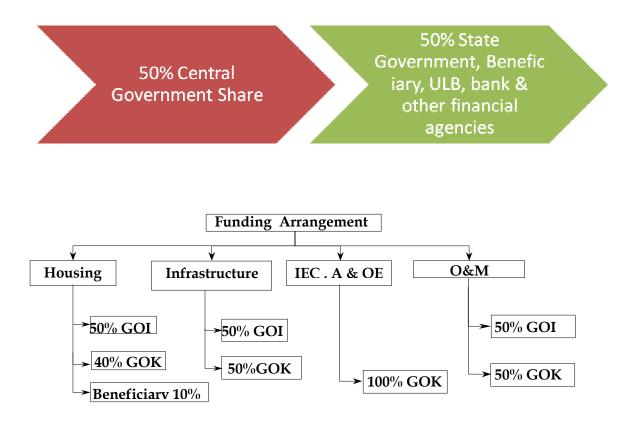




9. FINANCING ARRANGEMENT / STRUCTURE

CHAPTER -9 FINANCING ARRANGEMENT/STRUCTURE

Implementing slum free cities requires the concerned authorities to develop a legal framework based policy for internal earmarking of funds, ensuring the preparation of separate budget for urban poor, creating BSUP Fund etc.



Central Share

Speaking of the Govt. of India share in RAY project funding, 50% of the cost of provision of basic civic and social infrastructure and housing, including rental housing- an transit housing for in-situ redevelopment -in slums would be borne by the Centre, including O &. of assets created under RAY scheme. The remaining half required the states or ULBs to use PPP models innovatively to generate resources for slum housing through land use concessions, etc the private industry partners, and use of the central share as viability gap funding. States hi h demonstrate an innovative use of PPP models resulting in utilization of less than the specific central share of 50% in any project shall be incentivized by allowing them to use this saving in other projects in the city.

An amount of nearly 5% of the total annual allocation would be set aside for capacity building activities, of which 1 % would be utilized by the Centre, 4% by the States/UTs. In addition, Upto 5% of the total scheme allocation will be earmarked for, preparatory activity -







regarding development of Slum-Free City Plans including pilot projects, preparation of DPRs. Community mobilization, IEC, planning and administrative expenses.

Beneficiary Contribution

In order to ensure the communities interest and active participation, financial contribution by the beneficiaries is considered to be critical. As specified, the share of beneficiary contribution in the housing sector is anticipated to be a minimum of 12% of total cost and 10% in case of different .social groups and other weaker sections. Options such as aggregation of loans to a community of beneficiaries wherever feasible, will be encouraged. Adequate security and credit enabling structures for such participation including mortgage insurance would need to be structured and made available to the beneficiaries. The option of linking to the Mortgage Risk Guarantee Fund (MRGF) to which the State bas to contribute could be explored.

There are various initiatives that can be undertaken by the States/ ULBs to facilitate beneficiary contribution and to make finances available during the 5 year span of the RA - scheme. These include the following:

- Facilitating long-term concessional interest rate/differential interest rates to the beneficiaries
- Access to microfinance and alternate funding options
- Rajiv Awas Shelter Fund, to be used:
- To keep the slum/urban poor beneficiary from turning defaulter due to unemployment death or other genuine distress and thereby risk forfeiture of dwelling unit and foreclosure on loan
- To share the lender's costs of servicing the loan.

Component	Central Share in Lakhs	State share in Lakhs	ULB share in Lakhs	Beneficiar y Share in Lakhs	Any other in Lakhs	Total Project cost in Lakhs
Housing	1448.55	1157.19	-	291.36	1	2897.10
Infrastructure	216.45	216.45	-	-	1	432.90
Other (Percent age/Contingencies, DPR Preparation A & OE etc)	66.60	233.10	-	-	-	299.70
Total	1731.60	1606.74	-	291.36	1	3629.70

M/s iMPRiNTS



c. Strategy for Sustenance

Local bodies need to explore options for raising finance through other avenues such as PPP, shared mortgage and pooled financing mechanisms. For sustenance, it is essential for a ULB to prioritize in a way that the maximum benefit is derived for the investments proposed made for implementing development works and service delivery for slums. This can be achieved only through beneficiary participation and consensus.

a. ULB Finances

To undertake financing for slum rehabilitation, ULBs need to adopt a different approach or a well designed strategy for financing by:

- Internal earmarking of funds for RAY in the municipal budgets., allocation of available surplus for slum rehabilitation under RAY
- Earmarking of property taxes, trade license fee, hawkers –license fees, SWM cess etc.,
- > Share of other devolutions, whenever applicable
- Proceeds from PPP projects
- Unlocking alternate revenues, using land based instruments such as FSI, TDR, land banking etc.

e. Earmarking for Slum Rehabilitation & Prevention Strategy

For all new housing projects developed by public or private agencies, it would be mandatory to construct houses for *LIG/EWS* groups. Suitable amendment may be made to State local enactments for this purpose. The percentage of housing units to be earmarked for LIGIEWS in apartments or group housing projects in large and small cities will be between 20- 25% as prescribed under RAY. In case of vertical development, 20% of built up space shall be earmarked for economically weaker sections and low income groups of persons.

f. Community Participation

Community participation is critical for a successful slum rehabilitation and development. ULBs need to ensure that appropriate community processes and organization of community structures for planning and implementation of housing and upgrading projects. In addition, the local bodies need to facilitate Area and Ward Committees with representation of slum communities, in accordance with the Community Participation Law for participatory area and ward level planning and monitoring.

Monitoring & Review

RAY would be monitored at three levels: City, State and Government of India. The following agencies and departments would be monitoring at their respective levels: Ministry of Housing and Urban Poverty Alleviation will periodically monitor the scheme.







- State Nodal Agency would send Quarterly Progress Report (on-line) to the Ministry of Housing and Urban Poverty Alleviation. Upon completion of a project, the State Nodal Agency, through the State Government, would submit completion report to the Central Government. Central Sanctioning-cum-Monitoring Committee will meet as often as required sanction and review/monitor the progress of projects sanctioned under the Mission.
- Monitoring of quality of projects executed by the implementing agencies in the States/Cities will be facilitated through independent quality control assurance/ tho party teams at various levels that may be outsourced to specialized/technical agencies.
- Monitoring of projects by States/Urban Local Bodies by conducting Social Audit in Conformity with guidelines to be prescribed, right from the stage of project preparation.
- The processes of implementation will be monitored by undertaking concurrent evaluation through reputed independent institutions to ensure that corrections distortions, oversights or shortcomings can be made in time.

Reforms

A draft slum free act has been already in place in state of Karnataka. ULB / State Govt. agencies need to suggest the sequencing of steps and timelines to be adopted during implementation of slum redevelopment programmes for a period of five years.

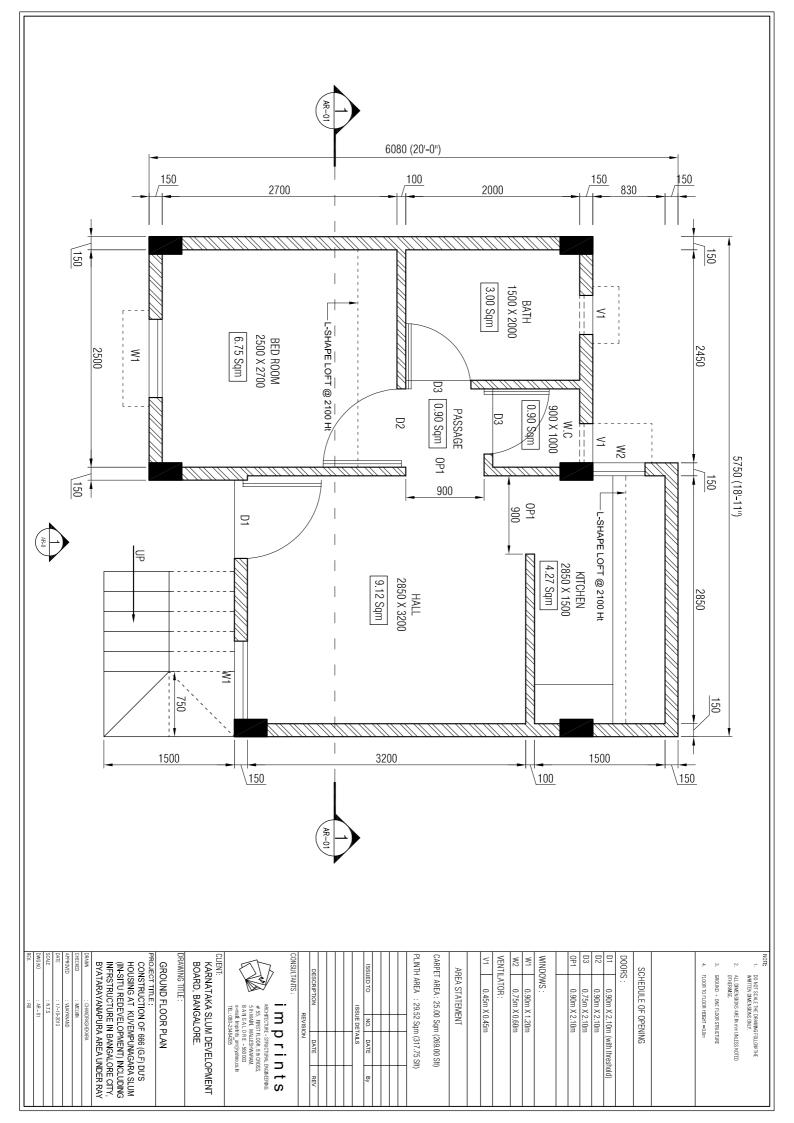


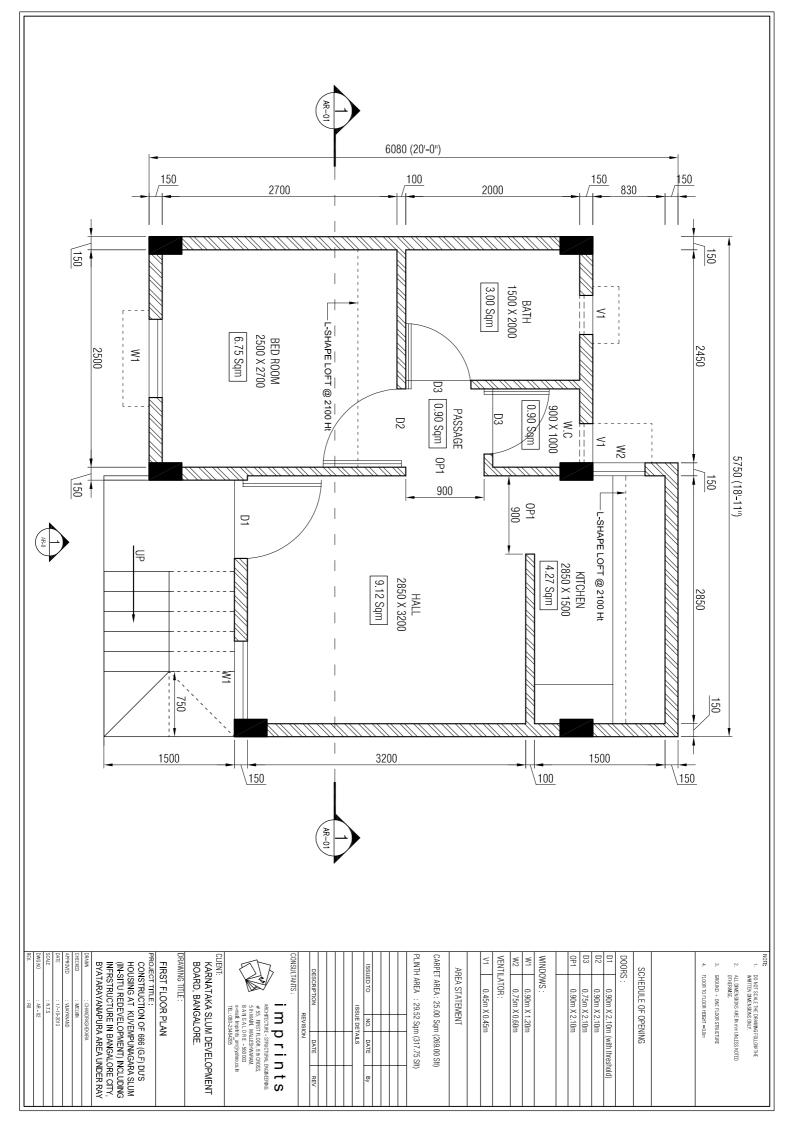
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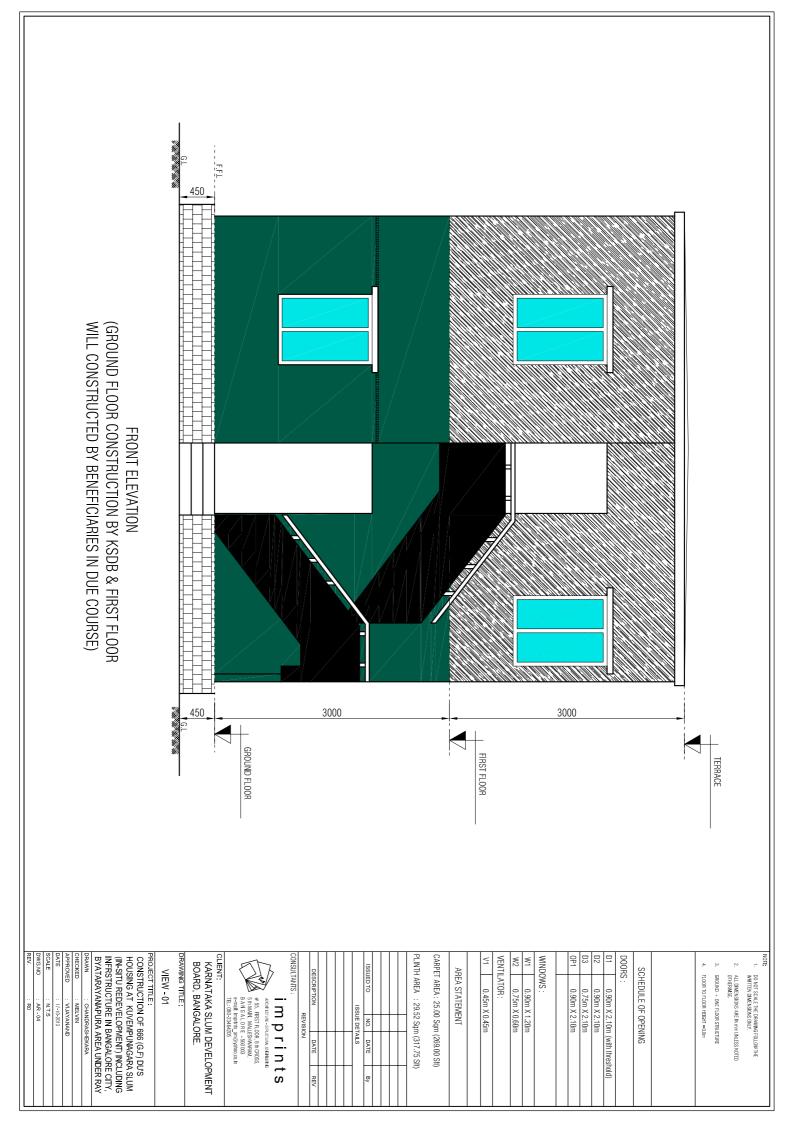


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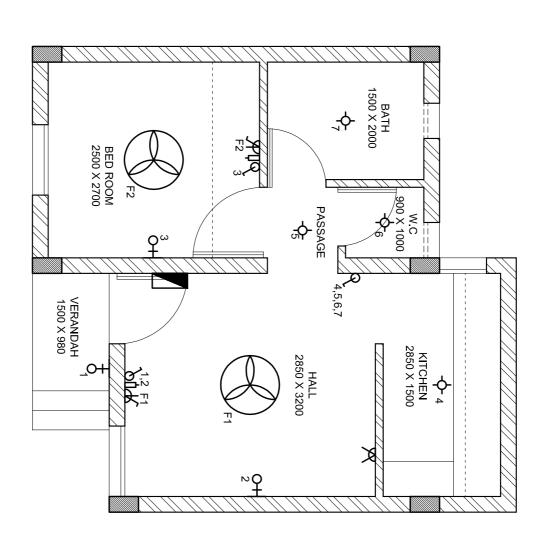




GL I 3450 3000 3000 450 150 mm THK SOLID CEMENT BLOCK 150 mm THK SOLID CEMENT BLOCK BED ROOM BED ROOM EARTH FILLING SECTION THROUGH 1 - 1 2100 EARTH FILLING HALL HALL S.S.M IN C.M (1.8) <u>6.L</u> RCC ROOF RCC ROOF BEAM 150 mm THK SOLID CEMENT BLOCK RCC ROOF RCC PLINTH BEAM 150 mm THK SOLID CEMENT BLOCK RCC ROOF BEAM PROJECT TITLE : CONSTRUCTION OF 666 (G.F.) DU'S HOUSING AT KUVEMPUNAGARA SLUM (IN-SITU REEKVEL OPMENT) INCLUDING INFRSTRUCTURE IN BANGALORE CITY, BYATARAYANAPURA AREA UNDER RAY CLIENT: APOTECTURAL STRUCTURAL DEPUEMPR # 55. FIRST ELOOR 8 th rOROSS, 5 th ANALI, MALTER ANALI, MALTER ANALI, MALTER 8 A.H G.A.L O RE - 560003 e-Raik Inventors an@yaboo.co.ih TEL: 080-2346/205 CONSULTANTS OP1 D3 D2 모 DOORS : NOTE DRAWING TITLE : 4 VENTILATOR : ≤ WINDOWS : PLINTH AREA : 29.52 Sqm (317.75 Sft) CARPET AREA : 25.00 Sqm (269.00 Sft) 82 AL GROUND FLOOR, SECTION & ELEVATION PLAN KARNATAKA SLUM DEVELOPMENT BOARD, BANGALORE. ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE AWN ECKED 7 SCHEDULE OF OPENING AREA STATEMENT DESCRIPTION FLOOR TO FLOOR HEIGHT = 3.0m GROUND + ONE FLOOR STRUCTURE DO NOT SCALE THE DRAWING FOLLOW THE WRITTEN DIMENSIONS ONLY. 0.45m X 0.45m 0.90m X 2.10m 0.75m X 2.10m 0.75m X 0.60m 0.90m X 1.20m 0.90m X 2.10m 0.90m X 2.10m (with threshold) imprints VIJAYANAND 17-10-2013 N.T.S AR - 03 MELVIN R CHANDRASHEKARA ISSUE DETAILS REVISION NO. DATE DATE REV Вy

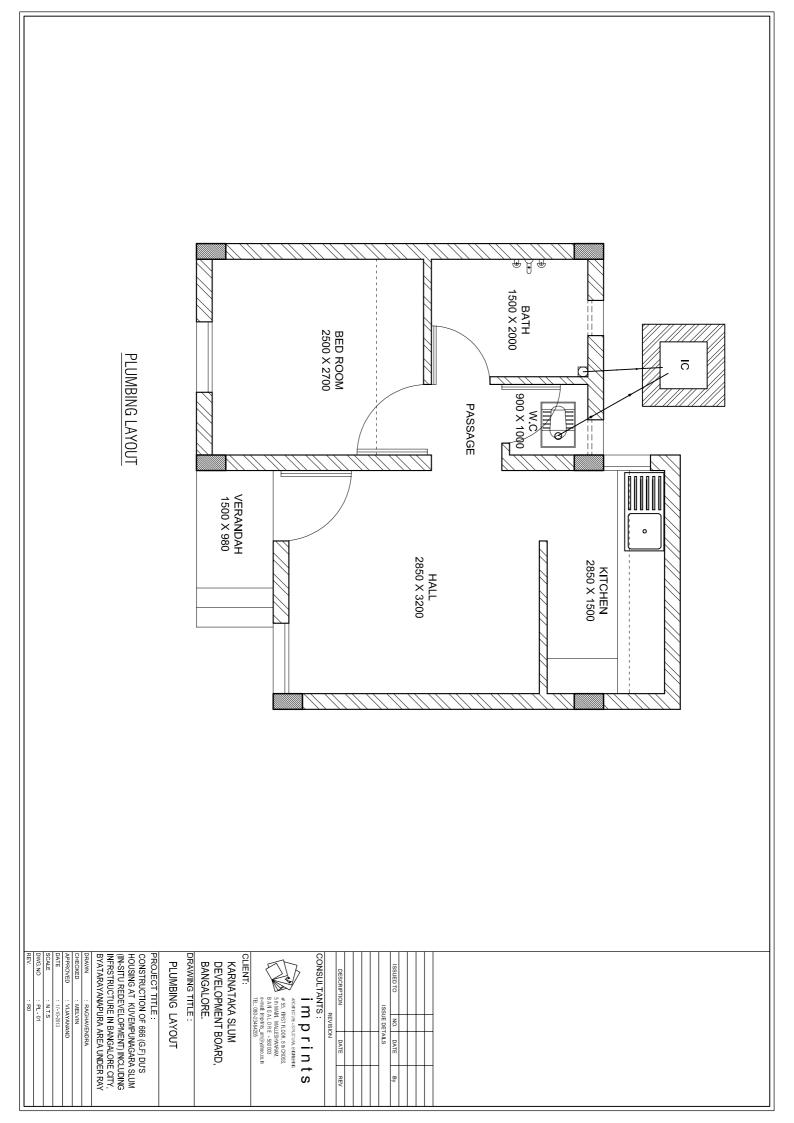


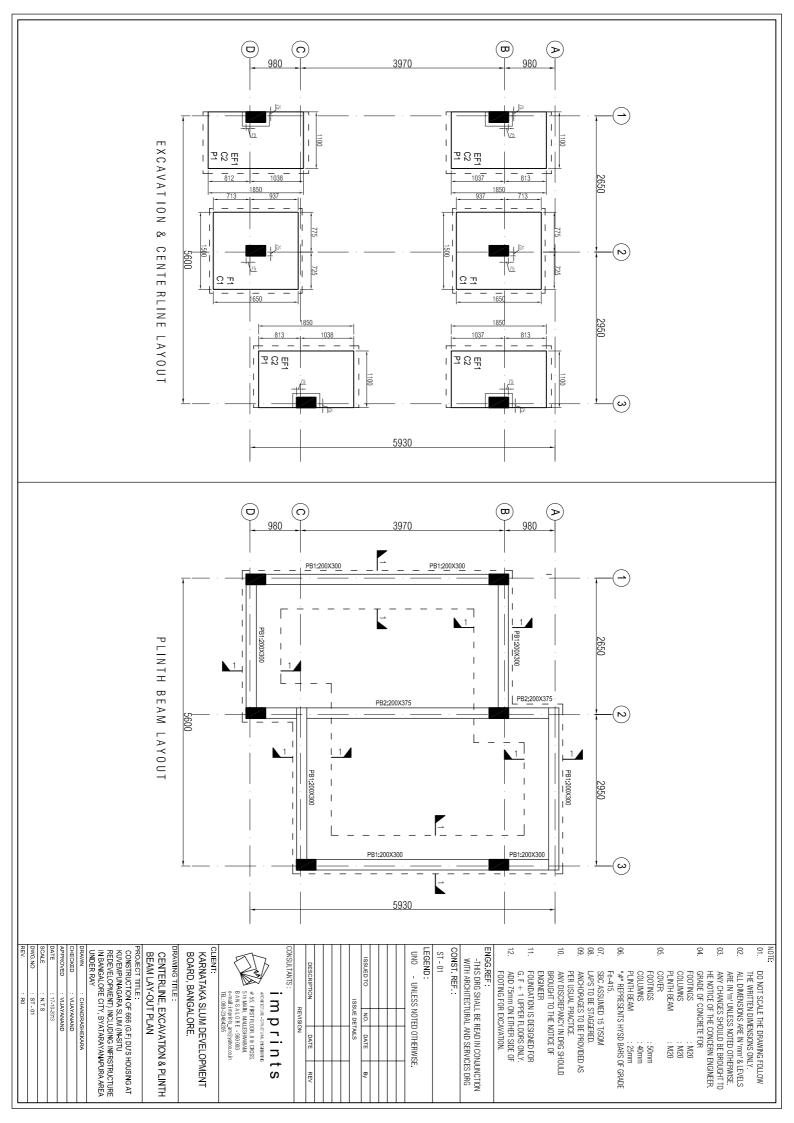
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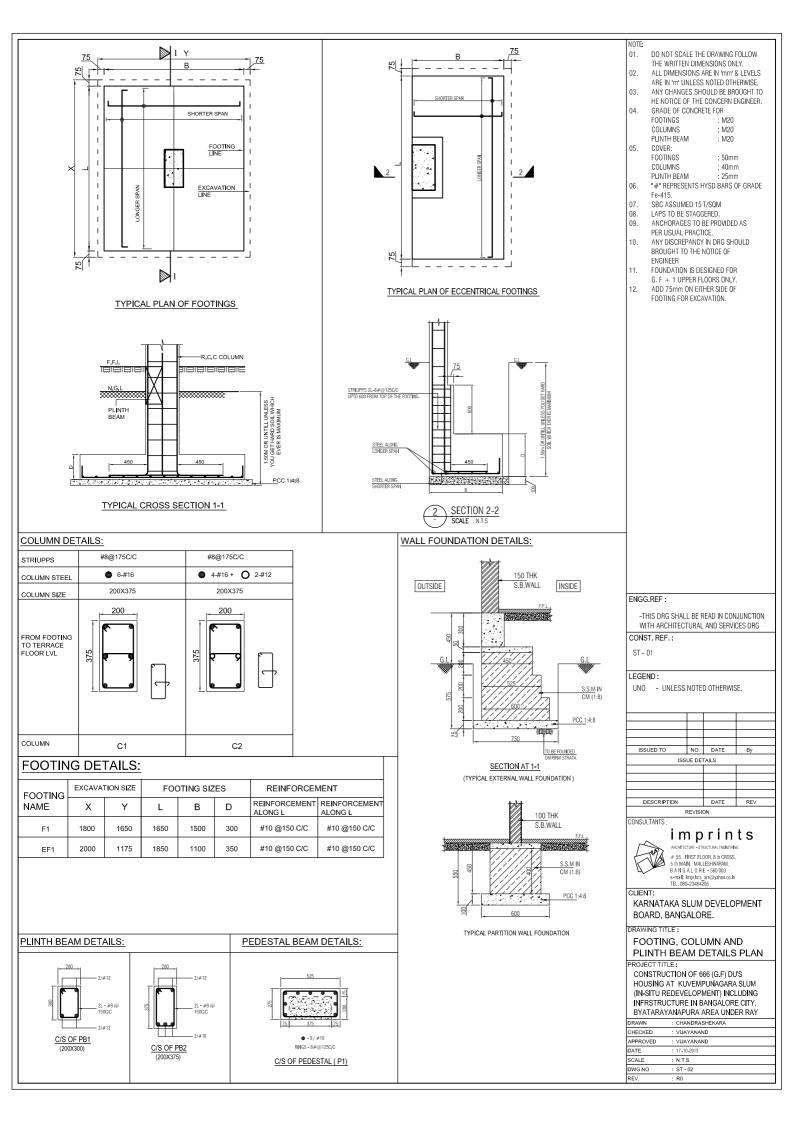


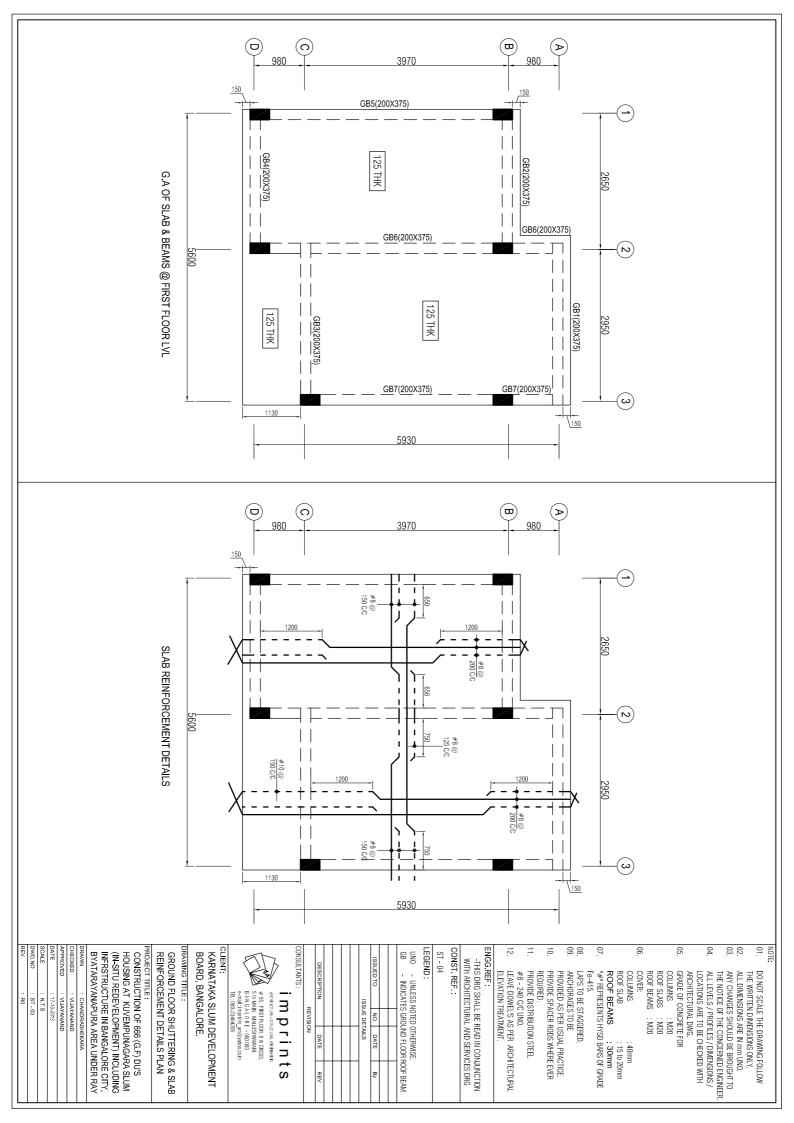
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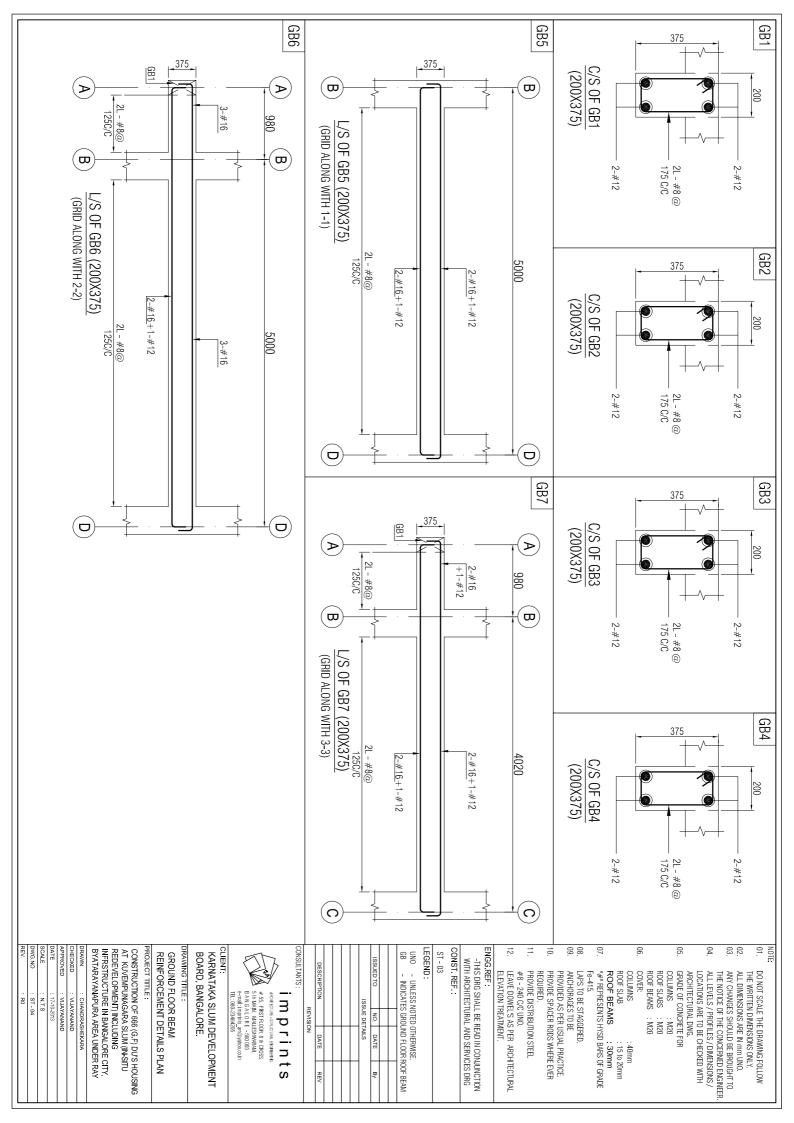
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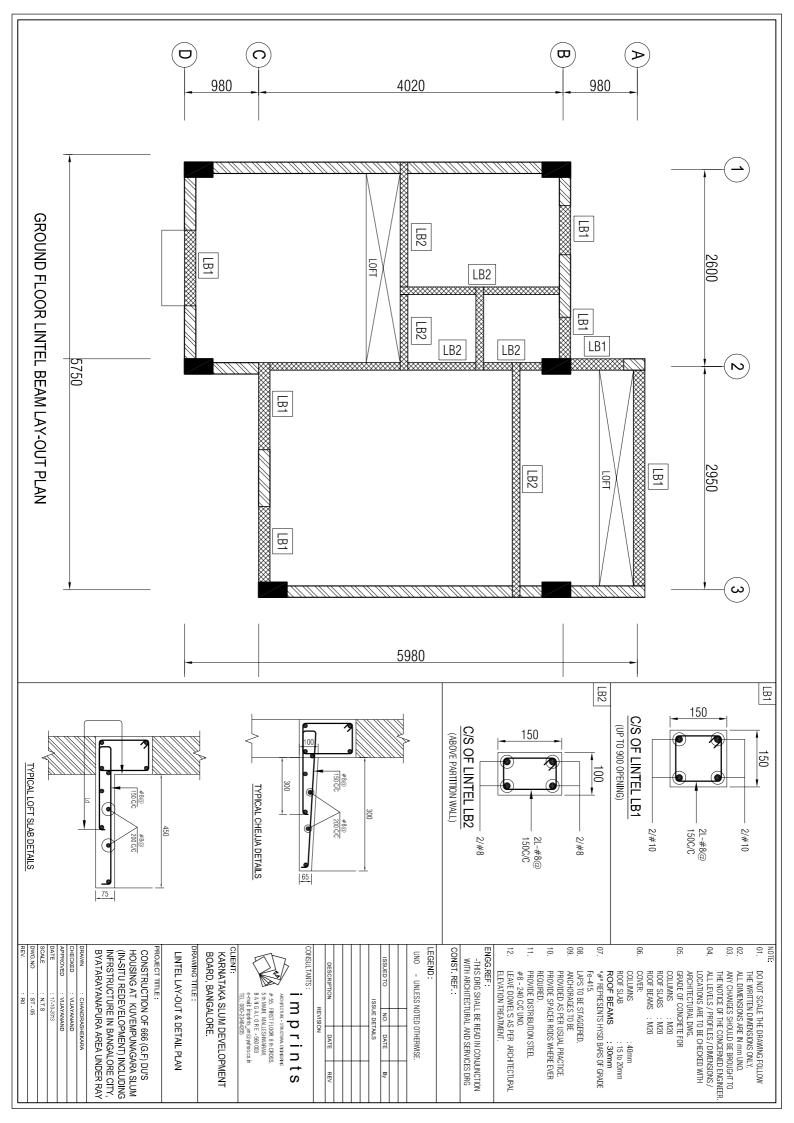












Karna	ataka Slun	n Development Board, No	4 Division, Bangalore. Byan Economic Survey.	tarayanapura A	Vrea ,Consolidated	Report of Socio
SI No	H No	Name of the beneficiary	Husband/ Father/ S/o	Caste	Annual Income	Occupation
luvemp	unagara					
1	1	Manimeghalai	Saddevel.P	SC	9000.00	Regular wage
2	2	Rani	Shekhar	SC	12000.00	Salaried
3	3	Sushila	Bali (Son)	SC	12000.00	Salaried
4	4	Saroja	Chinnathambi	SC	9000.00	Regular wage
5	5	Jayalakshmi	Arjuna	SC	11000.00	Salaried
6	5/1	Sharada	Elumalai	SC	9000.00	Regular wage
7	6	Vellagalli	Jaypal Raj	SC	8000.00	Regular wage
8	7	M. Kamala	M. Manohar	SC	10000.00	Regular wage
9	8	Kalearasi	Panirselvam	SC	10000.00	Regular wage
10	9	Saraswathi	Subbanna	SC	7000.00	Regular wage
11	10	Kavitha Meri	Arogyadas	SC	10000.00	Salaried
12	11	Rajamanikyam	Saravana (son)	SC	13000.00	Self employed
13	12	P. Chaithra	P. Shankar	SC	10000.00	Regular wage
14	13	Vanitha	Shanmugam	SC	10000.00	Regular wage
15	14	Annamma	Shanmugam	SC	9000.00	Regular wage
16	15	Jayamma S.	Chandraiah	SC	10000.00	Regular wage
17	16	Jayamma	Suresh Kumar	SC	8000.00	Regular wage
18	17	Gangamma	A. Kumar	SC	11000.00	Salaried
19	18	Radhika	Soundarya Raj	SC	10000.00	Salaried
20	19	Shashikala	N. Govindaraju	SC	10000.00	Regular wage
21	20	K. Vijaya	N. Krishna	SC	11000.00	Salaried
22	21	S. Prathibha	Chandrashekhar	SC	10000.00	Regular wage
23	22	B.R. Dhanalakshmi	Thahanath S.	Others	10000.00	Regular wage
24	23	Anushiyamma	Venkatappa	Others	12000.00	Salaried
25	23	Meri	Lokas	Minority	10000.00	Regular wage
26	24	Arogyameri	Arulmani	SC	10000.00	Regular wage
20	26	Krishna		SC		
	20		Ramappa	SC	10000.00	Regular wage
28		Nalini	Janbai		15000.00	Salaried
29	28	Selvi	Murugan	SC	10000.00	Regular wage
30	29	Kantha	Shadain	SC	12000.00	Salaried
31	30	Manjula	Maharaj	SC	10000.00	Regular wage
32	31	Anila	Dhanapal	SC	12000.00	Salaried
33	31/1	Lakshmamma	Murali (son)	SC	10000.00	Regular wage
34	32	Sathya	Аууарра	SC	10000.00	Regular wage
35	33	Jayanthi	Nataraj	SC	9000.00	Regular wage
36	34	Dhanalakshmi	Kumar	SC	10000.00	Regular wage
37	35	Selvi	Periswamy	SC	8000.00	Regular wage
38	36	Yogeshwari	Chandrana	SC	10000.00	Salaried
39	37	Bhavani	Subramani	SC	10000.00	Regular wage
40	38	Chaithra	Kumar	SC	8000.00	Salaried
41	39	Shivambu	Shivalingam	SC	10000.00	Regular wage
42	40	Rajeshwari	K. Balu	SC	8000.00	Salaried
43	41	Yalavarani	Kashinath	SC	10000.00	Regular wage
44	42	N. Ponnamma	C. Veeraswamy	SC	7000.00	Salaried
45	43	Anjalai	Kumar	SC	10000.00	Regular wage
46	44	Chithra	Ramaiah	SC	8000.00	Salaried
47	45	Pungavana	M. Mani	SC	10000.00	Salaried
48	46	Rani	Rajesh	SC	9000.00	Salaried
49	47	Jarlu	Kolanji	SC	10000.00	Regular wage
50	48	Thayamma	Srinivasu	SC	10000.00	Regular wage
51	49	Periswamy	Muthyalapps	SC	13000.00	Self employed
52	49/1	Manjula	H. Dakshinamurthy	SC	10000.00	Salaried
53	50	Picchamani	Kala	SC	10000.00	Regular wage
53 54	50				10000.00	Regular wage
		Kanikameri	Saverimuttu	Minority		
55	52	Priya	Janmuruga	Minority	10000.00	Regular wage
56	53	Selvi	Peetar	Minority	12000.00	Salaried
57	54	Sabhina	Abdul Khadhir	Minority	10000.00	Regular wage
58	55	Manikya	Ayyaswamy	Minority	10000.00	Regular wage
59	56	Parvathi	Shankar	Minority	13000.00	Salaried

SI No	H No	Name of beneficiary	the Husband/ Father/ S/o	Caste	Annual Income	Occupation
60	57	Rajeshwari	Dhayal	Others	10000.00	Regular wage
61	58	Manikyam	Ayyaswamy	SC	10000.00	Regular wage
62	59	Nirmala	Armugam	SC	9000.00	Salaried
63	60	Chinnamma	Chinnathambi	Minority	10000.00	Regular wage
64	61	Amuda	Kaliyamurthy	SC	10000.00	Regular wage
65	62	Papathi	Yaliya	SC	12000.00	Salaried
66	63	Yashoda	Dayananda	SC	10000.00	Regular wage
67	64	Ananda	Kuppanna	Minority	10000.00	Regular wage
68	65	Malliga	N. Chinnaswamy	Others	7000.00	Regular wage
69	66	Bhagya	Murthy	SC	10000.00	Regular wage
70	67	Rajamma	Rakhesh	SC	10000.00	Salaried
71	68	Prema	Sundar Raj	SC	10000.00	Regular wage
72	69	Madevi	Shivakumar M.R	SC	10000.00	Regular wage
73	70	Roja	Nagaraj	SC	8000.00	Salaried
74	71	Shantha	Armugam	SC	10000.00	Regular wage
75	72	Seleyam	Ramesh	SC	10000.00	Regular wage
76	73	Roja	Nagaraj	SC	10000.00	Salaried
70	73/1	Sanravana	Rajesh	SC	7000.00	Self employed
78	74	Vijavalakshmi		SC	10000.00	Regular wage
78 79	74	Radha	Murugan Paramesh	SC	10000.00	Regular wage
80	76	Manimeghalai	Sangamungam	SC	11000.00	Self employed
81	77	Varalakshmi	Chandra	SC	10000.00	Regular wage
82	78	Lilli	Kiran (son)	SC	10000.00	Regular wage
83	79	Mahalakshmi	Lakshmana	SC	12000.00	Self employed
84	80	Varalakshmi	Thirumurthi	SC	10000.00	Regular wage
85	81	Kamala	Leganandan	SC	9000.00	Regular wage
86	82	Sunitha Bayi	Rammunna Prabhu	SC	10000.00	Regular wage
87	83	Muniswamy	Chandra	SC	10000.00	Self employed
88	84	Hindarani	Karampan	SC	10000.00	Regular wage
89	85	Pounamma	P. Raja	Minority	10000.00	Regular wage
90	86	Peramma	Peraswamy	SC	10000.00	Regular wage
91	87	Vijaya	Pereswamy	SC	11000.00	Self employed
92	88	Lakshmamma	S. Krishna	SC	10000.00	Regular wage
93	89	Anjali	Late. Balashankar	SC	12000.00	Regular wage
94	90	Dhanalakshmi	Senavas	SC	10000.00	Salaried
95	90/1	Angamma	S. Peraswamy	Minority	10000.00	Regular wage
96	91	Selvakumari	Muraga	SC	10000.00	Regular wage
97	91/1	Mohan	Late. Anjalai	SC	13000.00	Self employed
98	92	Hamsalavi	Kandaravel	SC	10000.00	Regular wage
99	92/1	Lakshmi	Perumal	SC	10000.00	Regular wage
100	93	Chekalingam	Chekalingam	SC	15000.00	Self employed
101	93/1	Ambika	Subramani	SC	10000.00	Regular wage
102	94	Raniyamma	Late Govindaswamy	SC	10000.00	Regular wage
103	94/1	Padmavathi	Late. Ganesh	SC	16000.00	Salaried
104	95	Kanakamma	Late Perumal	SC	10000.00	Regular wage
105	96	Chinnathayi	Paramashiva	SC	10000.00	Regular wage
106	97	Balachandran	Sagairaj	SC	12000.00	Salaried
107	98	Lakshmi	Ramadas	SC	10000.00	Regular wage
107	98	Muniyappa	Late. Kantha	SC	10000.00	Self employed
109	100	Padmavathi	Shamhamani	SC	10000.00	Regular wage
1109	100	Mala	Palani	SC	10000.00	
				SC		Regular wage
111	101/1	Indira Gandi	Periswamy		10000.00	Salaried
112	102	Panjali	K. Manikanya	SC	10000.00	Regular wage
113	103	Anjali	Mani	SC	13000.00	Salaried
114	104	Shanthi	Late. Kumar	SC	10000.00	Regular wage
115	105	Lakshmi	Sathyavelu	SC	10000.00	Regular wage
116	106	Ashwini	R. Ramu	SC	10000.00	Regular wage
117	107	Rechalrani	N. Velu	SC	13000.00	Salaried
118	108	Lakshmi	R. Manohar	SC	10000.00	Regular wage
119	109	Shashikala	Shankar	SC	10000.00	Regular wage
120	110	Mariyamma	Venkatesh	SC	120000.00	Salaried
121	110/1	Jyothi	Datta	SC	10000.00	Regular wage
122	111	Jnanamala	Anthoni	SC	12000.00	Regular wage
				SC	11000.00	Salaried

SI No	H No	Name of beneficiary	the Husband/ Father/ S/o	Caste	Annual Income	Occupation
124	112/1	Sivagami	Jayaram	SC	10000.00	Regular wage
125	113	Muttamma	Krishnamurthy	Minority	11000.00	Salaried
126	114	Ritameri	Arush	Minority	10000.00	Regular wage
127	115	Kannappa	Kannagi	Minority	12000.00	Regular wage
128	116	Nagomi	Jaarj	SC	10000.00	Regular wage
129	117	Shanthi	Mani	Minority	10000.00	Regular wage
130	118	Lakshmi	Arunachalam	SC	11000.00	Salaried
131	119	Lakshmi	Singaram	SC	10000.00	Regular wage
132	120	Shivagami	Raju	SC	13000.00	Salaried
133	120	Pintamaram	Subramani	SC	11000.00	Regular wage
134	122	Manliga	Manivelu	SC	10000.00	Regular wage
134	122	Ramakka		SC	10000.00	Regular wage
	123		Marappa			
136		Chandra	Derankan	SC	14000.00	Salaried
137	124/1	Kampara	Late Thangavol	SC	11000.00	Regular wage
138	125	Pavani	S. Shivakumar	SC	12000.00	Salaried
139	126	Kolanjiyamma	K. Thangaraj	SC	10000.00	Regular wage
140	127	Shantha	Arunkumar	SC	10000.00	Salaried
141	127/1	Roslin Meri	Poulraj	Minority	13000.00	Salaried
142	128	Leela	Athsaniraj	SC	10000.00	Regular wage
143	128/1	Lalitha ambika	Parashuraman	SC	13000.00	Salaried
144	129	K. Anjali	Late. Kanya	SC	10000.00	Regular wage
145	130	Subramani	Rajamani	SC	10000.00	Self employed
146	131	Angalamma	Adhimulam	SC	10000.00	Regular wage
147	132	Anjali	Suresh	SC	10000.00	Salaried
	132			SC		
148		Kalamma	akalappa		11000.00	Salaried
149	134	Rangamma	Marappa	SC	10000.00	Regular wage
150	135	Nagamma	Anjinappa	SC	11000.00	Regular wage
151	136	Sharada	Pandiyan	SC	10000.00	Salaried
152	137	Rani	Murugesh	SC	10000.00	Regular wage
153	138	Ranga	Narayan	SC	16000.00	Self employed
154	139	Kamala	Kardan	SC	10000.00	Regular wage
155	139/1	Kumari	Thangavol	SC	10000.00	Regular wage
156	140	Alamelu	Pichapullai	SC	140000.00	Salaried
157	141	Punitha	Iliyaraju	SC	10000.00	Regular wage
158	142	Malar	Ganeshan	SC	13000.00	Salaried
159	143	Habhumthavali	Marugavel	SC	10000.00	Regular wage
160	144	Kumudavelli	Chokalingam	SC	12000.00	Salaried
161	145	P. Anjali	Pichapullai	SC	10000.00	Regular wage
162	146	Veerathambu	Suresha	SC	11000.00	Salaried
163	147	Sagaymeri	Udaya Kumar	SC	10000.00	Regular wage
164	148	Chinnathayi	M. Velu	SC	10000.00	Regular wage
165	149	Mariyamma	Muttuvelu	SC	12000.00	Salaried
166	150	Narayan	Srinivasu	SC	11000.00	Self employed
167	151	K. Lakshmi	Kaliyamurthy	SC	10000.00	Regular wage
168	152	K. Chandra	V. Krishna	SC	10000.00	Regular wage
169	153	K. Jaya	K. Kuppaswamy	SC	13000.00	Regular wage
170	154	Kanniyamma	Shanmugam	SC	10000.00	Regular wage
171	155	Devanagai	Devasagai	SC	12000.00	Self employed
172	155/1	Vinoliya	Late. Karnamurthy	SC	10000.00	Regular wage
				SC		
173	156	Anjali	Shakthivel		10000.00	Regular wage
174	157	R. Bhagya	M. Parthasarathi	SC	12000.00	Regular wage
175	158	Anjalai	M. Swamydorai	SC	140000.00	Salaried
176	158/1	S. Haseena	M. Sendamarai	SC	10000.00	Salaried
177	159	Munsayi	Govindaraj	SC	13000.00	Regular wage
178	159/1	Lakshmi	Venkatesh	SC	10000.00	Salaried
179	160	Devathi	Murugan	SC	12000.00	Regular wage
180	161	Lakshmi	N. Venkatesh	SC	10000.00	Salaried
181	161/1	Munsayi	Govindaraj	SC	11000.00	Salaried
182	162	Chandamarai	Neru	SC	10000.00	Regular wage
		K. Shanthi	M.G.Kumar	SC		
183	163				13000.00	Salaried
184	164	Bhoopathe	Kadireshan	SC	12000.00	Regular wage
185	165	Shanthi	Vijaya	SC	10000.00	Regular wage
186	166	Anjali	K. Raju	SC	14000.00	Salaried
187	167	Amruthavalli	Shivalingam	SC	10000.00	Regular wage

SI No	H No	Name of the beneficiary	Husband/ Father/ S/o	Caste	Annual Income	Occupation
188	167/1	Papathi	Ramalingam	SC	10000.00	Regular wage
189	168	Saraswathi	M. Nagaraj	SC	13000.00	Salaried
190	168/1	Lakshmamma	Krishna	SC	10000.00	Salaried
191	169	Devi	Murthy	SC	10000.00	Regular wage
192	170	Devi	Chandrashekhar	SC	10000.00	Regular wage
193	171	Anjali	A. Balakrishna	SC	12000.00	Salaried
194	172	M. Rekha	Rajeevgandhi	SC	10000.00	Regular wage
195	172/1	Pushpa	Prabhudeva	SC	10000.00	Regular wage
196	173	Parashakthi. V	K. Vijayakumar	SC	10000.00	Regular wage
197	174	Mallika	Armugam	SC	140000.00	Salaried
198	175	Nirmala	Balakrishnan	SC	10000.00	Regular wage
199	175	Dhanalakshmi	C. Manikyam	SC	10000.00	
200	170		D. Seetharama	SC	13000.00	Regular wage Salaried
		Poopadi				
201	178	Palani	Devi	SC	10000.00	Regular wage
202	178/1	Devi	Palani	SC	10000.00	Regular wage
203	179	Swamynathan	Selvanathan	SC	14000.00	Self employed
204	180	Lakshmi	Podamattan	SC	10000.00	Regular wage
205	181	Jyothi	B.M. Raja	SC	10000.00	Regular wage
206	182	Josef	Thamas	SC	15000.00	Self employed
207	183	Kantha	Aravind	SC	10000.00	Regular wage
208	184	Malar	Purushotham	SC	13000.00	Salaried
209	185	Selvi	Kumar	SC	10000.00	Regular wage
210	186	Moni	Mythivs	SC	12000.00	Self employed
211	186/1	Mariyamma	Ramu	SC	10000.00	Regular wage
212	187	Thulasi	Daranivelu	SC	13000.00	Salaried
213	188	Lakshmi	Ramu	SC	10000.00	Salaried
214	188/1	Chithra R.	R. Ravi	SC	12000.00	Regular wage
215	189	Radharukmani	Subramani	SC	14000.00	Salaried
216	190	Kaliyamma	Chandrashekhar	SC	10000.00	Regular wage
217	191	Shankari	Nandakumar	SC	14000.00	Salaried
218	192	Vidyaroopa	Srinivasu	SC	10000.00	Regular wage
219	193	Mangala Shirunamani	P. Karnan	SC	13000.00	Salaried
220	194	Sudha	Santhosh	SC	10000.00	Salaried
221	195	Ramya	Ramaswamy	SC	10000.00	Regular wage
222	195/1	Padmini	Gopal	SC	14000.00	Salaried
223	196	Amudaveni	Damodaran	SC	10000.00	Regular wage
224	197	Anniyamma	Peruswamy	SC	12000.00	Regular wage
225	198	Muttulakshmi K	R. Kamalakannan	SC	10000.00	Salaried
	198	Kotishwari	Suresh	SC	10000.00	
226						Regular wage
227	199/1	Kotishwari	Late Kumalselvi	SC	13000.00	Salaried
228	200	Kodandan	Ramaiah	SC	14000.00	Self employed
229	201	Kala	Late Dhanavel	SC	10000.00	Salaried
230	202	Manimeghalai	Mani	SC	10000.00	Regular wage
231	203	Indira Gandi	Swamynadan	SC	14000.00	Salaried
232	204	Veeramma	Jowdamani	SC	10000.00	Regular wage
233	205	Pongodi	Rajendran	SC	9000.00	Regular wage
234	206	Neru	Chandamaray	SC	13000.00	Salaried
235	207	Palaya	Perumal	SC	10000.00	Regular wage
236	208	Elavarina	Sathyavelu	SC	14000.00	Salaried
237	200	Vijayakumari	Vijay Kumar	SC	10000.00	Regular wage
237	209	Pramila	R. Murali	SC	10000.00	Regular wage
239	211	Lakshmi	Krishnan	SC	13000.00	Salaried
240	212	Neela	Murugesh	SC	10000.00	Regular wage
241	213	Venugopal	Kannan	SC	14000.00	Self employed
242	213/1	Poopathi	Kaliyan	SC	10000.00	Regular wage
243	214	Sampangi	Gopal	SC	10000.00	Regular wage
244	215	Sarasamma	V. Arunachala	SC	13000.00	Salaried
245	216	Sarasa	Venkatesh	SC	10000.00	Regular wage
246	217	Shalini	Suresh	SC	10000.00	Regular wage
247	218	P. Periyamma	Annadorai	SC	11000.00	Regular wage
	210	M. Valli	N. Marimuttu	SC	12000.00	Salaried
	213		Chandil	SC	130000.00	Salaried
248	220					
248 249 250	220 221	Daivanai Rani	G. Nataraj	SC	9000.00	Regular wage

SI No	H No	Name of beneficiary	the Husband/ Father/ S/o	Caste	Annual Income	Occupation
252	223	Ambika	Muniyappa	SC	13000.00	Regular wage
253	224	Shobha	V. Periswamy	SC	14000.00	Salaried
254	225	Alamelu	Shanmugam	SC	10000.00	Regular wage
255	226	Parvathi	Kolanji	SC	12000.00	Salaried
256	227	Sadeyamma	Manikam	SC	10000.00	Regular wage
257	228	Anjali. K	Kumar	SC	10000.00	Regular wage
258	229	Saddeyamma	Pandiyan	SC	9000.00	Regular wage
259	230	Muniyamma	K. Krishna	SC	10000.00	Regular wage
260	231	Mariyamma	Pungan	SC	14000.00	Salaried
261	231/1	Kanagavalli	Swamydorai	SC	10000.00	Regular wage
262	232	Shanthi	Subramani	SC	10000.00	Regular wage
263	233	Ayyammal	Murugan	SC	15000.00	Salaried
264	234	Anjalai	Periswamy	SC	10000.00	Regular wage
265	235	Pushpa	Kuppuswamy	SC	11000.00	Salaried
266	236	Vruthambu	Ramalingam	SC	10000.00	Regular wage
267	237	Vasanthi	Ganesh	SC	12000.00	Salaried
268	238	Shashikala	Kadiravelu	SC	10000.00	Regular wage
269	239	Shankar	Kadrivelu	SC	15000.00	Self employed
270	240	Masala Mani	P. Raja	SC	10000.00	Regular wage
271	241	Anjalai	Subbaiah	SC	10000.00	Regular wage
272	242	Kadiravelu	Аууарра	SC	12000.00	Salaried
273	243	Pajanla	Veeraswamy	SC	10000.00	Regular wage
273	243	Lakshmi	Meena	SC	10000.00	Regular wage
275	245	Gowri	Sathivelu	SC	12000.00	Salaried
276	246	Pavam	Raja	SC	10000.00	Regular wage
277	247	Annapurna	Ravi	SC	13000.00	Salaried
278	248	Aparanju	Madivelu	SC	10000.00	Regular wage
279	249	Panchali	Surya	SC	12000.00	Salaried
280	250	Dipu	Shekhar	SC	110000.00	Salaried
281	251	Ramadas	Gokuldas	SC	15000.00	Self employed
282	252	M. Lakshman	Muttu	SC	12000.00	Salaried
283	253	Chinnakavalli	Ramu	SC	9000.00	Regular wage
284	254	Ramam	Muniyan	SC	9000.00	Regular wage
285	256	Vijayalakshmi	Kuliyan	SC	11000.00	Salaried
286	257	Mandamma	Saravana	SC	10000.00	Regular wage
287	258	Jooli	Rasool	SC	12000.00	Salaried
288	259	Amulu	Alegzender	SC	9000.00	Regular wage
			Venkateshapps	SC	8000.00	Regular wage
289	260	Narayanamma				
290	261	Krishnaveni	Venkatesh	SC	12000.00	Salaried
291	262	Roopani	Kananya	SC	13000.00	Salaried
292	263	Jyothi	Chinnapanu	SC	10000.00	Regular wage
293	264	Lakshmi	Rajshekhar	SC	14000.00	Salaried
294	265	Thilakam	Mohan	SC	10000.00	Regular wage
295	266	Kampaya	Shiva	SC	14000.00	Salaried
296	267	Fathima	Rachigan	Minority	10000.00	Regular wage
297	268	Luddameri	Channapan	SC	14000.00	Salaried
298	269	Kaliyamma	Mani	SC	10000.00	Regular wage
299	270	Priya	Manangal	SC	9000.00	Regular wage
300	271	Kamalamma	Rajini Kumar	SC	10000.00	Regular wage
301	272	Jeeva	Neharu	SC	12000.00	Salaried
301	272	Bhagyalakshmi	K. Jos	SC	12000.00	Regular wage
	273			SC		
303		Nalina	R. Ashok		13000.00	Salaried
304	275	Susheela	Shanthakumar	SC	12000.00	Salaried
305	276	C. Navamani	M. Chakravarthi	SC	10000.00	Regular wage
306	276/1	N. Gayathri	Nagesh	SC	12000.00	Salaried
307	277	Irsayi	Mani	SC	11000.00	Salaried
308	278	Pethay	Rajendran	SC	10000.00	Regular wage
309	279	Rasathi	P. Rajendran	SC	13000.00	Salaried
310	280	Pachchamma	C.M. Periyaswamy	SC	10000.00	Regular wage
311	281	Shanthi	M. Ramaswamy	SC	10000.00	Regular wage
312	282	Manjula	Ayyanar K.	SC	12000.00	Salaried
313	283	Manima	Vadivel	SC	11000.00	Salaried
	283	Mahalakshmi	Mohan	SC	10000.00	Regular wage
314						

SI No	H No	beneficiary	the Husband/ Father/ S/o	Caste	Annual Income	Occupation
316	286	Jyothi	P. Venkatesh	SC	10000.00	Regular wage
317	287	Nusee	Mohan	SC	12000.00	Salaried
318	288	Kananya	Dhasharath	SC	13000.00	Self employed
319	289	Amu	Manikanti	SC	10000.00	Regular wage
320	290	Alamelu	Prabhakar	SC	12000.00	Salaried
321	291	Chinnamma	Birappa	SC	13000.00	Salaried
322	292	Pavalakodi	Balakrishna	SC	10000.00	Regular wage
323	293	Daisirani	Velangani	SC	9000.00	Regular wage
324	294	Nethravathi	Prabhu	SC	10000.00	Regular wage
325	295	Latha	Kolanji	SC	12000.00	Salaried
326	296	Anjali	Nataraj	SC	10000.00	Salaried
327	297	Deepa	K. Mani	SC	13000.00	Salaried
328	298	Kolanjamma	Pichikaran	SC	10000.00	Regular wage
329	299	Lakshmidevi	Ramachari	SC	10000.00	Regular wage
330	300	Kannagee	M.B. Arjuna	SC	14000.00	Salaried
331	301	Kalpana	Swamydorai	SC	10000.00	Regular wage
332	302	Shamala	Thimmaraju	SC	10000.00	Regular wage
333	303	Anjali	Veeramuttu	SC	13000.00	Salaried
334	304	Anjali	Nagaiah	SC	14000.00	Salaried
335	304/1	Panchavaran	Arunmani	SC	10000.00	Regular wage
336	304/1	Rani	Kannan	SC	12000.00	Salaried
337	305	Shelvi	Shankar	SC	11000.00	Salaried
338	307	Virdambu	Chinnaswamy	SC	10000.00	Regular wage
		Kumari	-	SC		
339	308		Balan		12000.00	Salaried
340	309	Rokku	Vilsan	SC	10000.00	Regular wage
341	310	Selvi	Ramu	SC	13000.00	Salaried
342	311	Uma	Mugesh	SC	10000.00	Regular wage
343	312	Valli	Mari	SC	13000.00	Salaried
344	313	Kolanji	Marimuttu	SC	9000.00	Regular wage
345	314	Meena	Abel	SC	10000.00	Regular wage
346	315	Sheela	Ramesh	SC	13000.00	Salaried
347	316	Ammamma	Mari	SC	10000.00	Regular wage
348	317	Papathi	Late Manjunatha	SC	11000.00	Regular wage
349	318	Nallamma	Velu	SC	12000.00	Salaried
350	319	Ayyamma	Sakkare	SC	10000.00	Regular wage
351	320	Anjalai	Late Kamrapan	SC	13000.00	Salaried
352	321	Parumayi	Kannan	SC	10000.00	Regular wage
353	322	Jaya	T. Selvam	SC	14000.00	Salaried
354	323	Kamala	Veeramani	SC	13000.00	Salaried
355	324	Amalesi	Paliniyar	SC	10000.00	Regular wage
356	325	Chandra	Gunashekhar	SC	14000.00	Salaried
357	326	Sridevi	Annamalai	SC	12000.00	Salaried
358	327	Malar	Murugeshan	SC	13000.00	Salaried
359	328	Sadayamal	Lakshmana	SC	10000.00	Regular wage
360	329	Indira Gandi	Murugan	SC	10000.00	Regular wage
361	330	Lakshmi	Nagaraj	SC	12000.00	Salaried
362	331	Annamma	Ayyakan	SC	10000.00	Regular wage
363	332	Madhavi	V. Mahalingam	SC	9000.00	Regular wage
364	333	Chennaponnu	Lakshman	SC	10000.00	Regular wage
365	334	Maheshwari	Muniyan	SC	14000.00	Salaried
366	335	Vijaya	Marimuttu	SC	10000.00	Regular wage
367	336	Ramya	Mari	SC	13000.00	Salaried
368	337	Sujatha	K.K. Raju	SC	10000.00	Regular wage
369	338	Ramayi	Kalaiselvi	SC	9000.00	Regular wage
370	339	Dhanalakshmi	Ashok	SC	12000.00	Salaried
371	340	Chandra	Doreraja	SC	13000.00	Salaried
372	341	Mariyamma	Selvaraj	SC	10000.00	Regular wage
373	342	Elamb	K. Subramani	SC	12000.00	Regular wage
374	343	Sagamma	Josef	SC	13000.00	Salaried
375	343	Nagamma	Jan	SC	10000.00	Regular wage
375	345	Lakshmamma	Kadrivelu	SC	12000.00	Salaried
	345	Nagamma	Perumal	SC	10000.00	Regular wage
	340	nayanina	FCIUIIIAI			
377 378	347	Marakka	Prabhakaran	SC	12000.00	Salaried

SI No	H No	Name of beneficiary	the Husband/ Father/ S/o	Caste	Annual Income	Occupation
380	349	Kolanji	Mani	SC	13000.00	Salaried
381	350	Veeramma	Kaliyan Muttu	SC	10000.00	Regular wage
382	351	Devi	K. Suresh	SC	14000.00	Salaried
383	352	Hamsa	Kallappa	SC	15000.00	Salaried
384	353	Pushpa	Late Muttuvelu	SC	10000.00	Regular wage
385	354	Kamala	Karpan	SC	9000.00	Regular wage
386	355	Arathi	Lakshman	SC	13000.00	Salaried
387	356	Lakshmi	Mani	SC	10000.00	Regular wage
388	357	Pramilai	Ramaswamy	SC	10000.00	Regular wage
				SC		
389	358	Lakshman	Kala		14000.00	Self employed
390	361	Papathi	Raja	SC	13000.00	Salaried
391	362	Anandababu	Velu	SC	12000.00	Self employed
392	363	Kannamma	Thokkaiah. P	SC	11000.00	Regular wage
393	364	Vasanthi	Madhu	SC	13000.00	Salaried
394	365	Sarasu	Armugam	SC	14000.00	Salaried
395	366	Rani	Narayanaswamy	SC	9000.00	Regular wage
396	367	Roopa	Shakthivel	SC	13000.00	Salaried
397	368	Mahal	Murali	SC	9000.00	Regular wage
398	369	Sangeetha	Manu	SC	9000.00	Salaried
399	370	Sumathi	Manjumuttu	SC	8000.00	Regular wage
400	371	Rathnavasu	Elumalai	SC	11000.00	Salaried
400	372	Kadrivelu	Krishnappa	SC	10000.00	Self employed
		Kala		SC		Salaried
402	373		Rajesh		11000.00	
403	374	Banu	Chakravarthi	SC	9000.00	Regular wage
404	375	Govindaraju	Ramanna	SC	13000.00	Regular wage
405	376	Vallivara	Madhu	SC	12000.00	Regular wage
406	377	Raghava	Sudhakara	SC	12000.00	Regular wage
407	378	Nataraja	Nagaraja	SC	12000.00	Self employed
408	379	Sarojamma	Balaraj	SC	10000.00	Regular wage
409	380	Palani	Periswamy	SC	14000.00	Self employed
410	381	Ramaswamy	Rajendran	SC	15000.00	Self employed
411	382	Uma	Shekhar	SC	10000.00	Regular wage
412	383	Mariyamma	G. Murthy	SC	9000.00	Regular wage
413	384	Mutturaju	Manju	SC	12000.00	Salaried
414	385			SC	10000.00	Regular wage
		Papathi	Basuraj			· ·
415	386	Uttara	Suresh	SC	9000.00	Regular wage
416	387	Mariyamma	Late Raja	SC	13000.00	Salaried
417	388	Shobha	Jagan	SC	12000.00	Salaried
418	389	Meri	Selvam	SC	10000.00	Regular wage
419	390	Kamalamma	Parashuraman	SC	10000.00	Regular wage
420	391	Mahalakshmi	S. Raju	SC	12000.00	Salaried
421	392	Ellis	Natesh	SC	10000.00	Regular wage
422	393	Vijaya	Late. Gopal	SC	12000.00	Salaried
423	394	Velangani	Nataraj	SC	9000.00	Regular wage
424	395	Muniyamma	R. Kodakaran	SC	12000.00	Salaried
425	396	A. Esumeri	Abel abraham	SC	10000.00	Regular wage
426	397	Lakshmi	Late Prabhu	SC	13000.00	Salaried
420	397	Nagaveni		SC	14000.00	Salaried
		-	Nagaraj			
428	399	Anjalai	Chandrashekhar	SC	13000.00	Salaried
429	400	K. Pampathi	K. Natarajan	SC	12000.00	Regular wage
430	401	Selvy	Selvam	SC	9000.00	Regular wage
431	402	Bhagyasudha	Anthony	SC	13000.00	Salaried
432	403	Devi	Mallesh	SC	10000.00	Regular wage
433	404	Nallatangal	Vadivelu	SC	9000.00	Regular wage
434	405	Maheswari	Surya	SC	13000.00	Salaried
435	406	Ravi	Manjula	SC	10000.00	Regular wage
436	407	Anandi	Selvi	SC	9000.00	Regular wage
430	407	Maariyamma	Maari	SC	13000.00	Salaried
438	410	Anjaleyamma	Ganesh G	SC	11000.00	Regular wage
439	411	Kolajiyamma	Narayanamma	SC	9000.00	Regular wage
440	412	Rani	Tamilnanadan	SC	13000.00	Salaried
441	413	Bhavani	Puraj	SC	14000.00	Salaried
442	414	Memobai	Tangaraj	SC	10000.00	Regular wage
443	415	Devi	VijayRaghvan	SC	9000.00	Regular wage

SI No	H No	Name of the beneficiary	Husband/ Father/ S/o	Caste	Annual Income	Occupation
444	415/1	Velayammal	Maayavel	SC	12000.00	Salaried
445	416	Periyaswamy	Venkatesh	SC	11000.00	Regular wage
446	417	Devi	VijayRaghvan	SC	13000.00	Salaried
447	418	Vasavi	Rajamikyam	SC	9000.00	Regular wage
448	419	Bhuvaneswari	Shankar.K	SC	11000.00	Salaried
449	420	Mangaiarasi	Gunashekhar L	SC	10000.00	Regular wage
450	421	Manjula	Muniswamy	SC	9000.00	Regular wage
451	422	Rekha	Ravi	SC	12000.00	Salaried
452	423	Sarojamma	Murugan	SC	9000.00	Regular wage
453	423/1	Rukkumani	Chandra	SC	12000.00	Regular wage
454	424	Ludharmery	Jhon. F	SC	9000.00	Regular wage
455	425	Anandathayi	Prasantha(Son)	SC	12000.00	Salaried
456	426	Rathna	Swamy Daraman	SC	9000.00	Regular wage
457	428	Chandrashekarn	Muthuraman	SC	14000.00	Salaried
458	428	Shivalingam	Jagadish	SC	10000.00	Regular wage
459	430	V.Shivakumar	Veeranarasappa	SC	12000.00	Salaried
460	431	Lakshmi V	Vettiyappan	SC	11000.00	Regular wage
461	432	Prameela	Vinodkumar	Others	12000.00	Salaried
462	433	Anandamma	Babu	SC	9000.00	Regular wage
462	433	Ramalkshamamma	Aswathappa	SC	12000.00	Regular wage
463	434	Shantha	Shankar	Others	12000.00	Salaried
			Narashimalu			
465	436	Bhagyamma		SC SC	10000.00	Regular wage
466	437	Gowramma	Anitha(Do)		9000.00	Regular wage
467	438	Rathanamma	Narasappa	SC	13000.00	Salaried
468	439	Munirathnamma	Gangaraju	ST	9000.00	Regular wage
469	440	Shanthamma	Somashekhar	SC	13000.00	Salaried
470	441	Nagamani	Manjunatha	Minority	14000.00	Salaried
471	441/1	Loveesh	Kuppuswamy	SC	9000.00	Regular wage
472	443	Radha	R.Murugam	SC	13000.00	Salaried
473	444	Jayalakshmamma	Narayanappa	SC	9000.00	Regular wage
474	446	Bachandevi	Mithbadal Sahani	SC	14000.00	Salaried
475	447	Padamapriya	Gopinatha	SC	13000.00	Salaried
476	448	Yashodhamma	Venkatesh	SC	9000.00	Regular wage
477	449	Pdmavathi	Srinivasu	SC	8000.00	Regular wage
478	450	Maala	Kumari	Minority	9000.00	Regular wage
479	451	Dullar Singh	Ramanada Sigh	Others	13000.00	Salaried
480	452	Kanikamery	Jhon Priklan	Minority	9000.00	Regular wage
481	453	Anjana	Gopal	ST	14000.00	Salaried
482	454	Lalaitha	Bhaghvan	Others	9000.00	Regular wage
483	455	Papanna	Sharadhamma	Others	13000.00	Regular wage
484	456	Kyalen Marteen	M.Abil	Others	9000.00	Regular wage
485	457	G.K.Parvathamma	Venkataramaiah.M	Others	8000.00	Regular wage
486	458	Sharadha	Gopaaiah	SC	13000.00	Salaried
487	459	Gayithri	Neelraj	SC	9000.00	Regular wage
488	460	Baby	Francis I.M	SC	13000.00	Salaried
489	461	Uma	Srinivasu	SC	10000.00	Regular wage
490	462	Jayamma	Narashimarao V	Others	8000.00	Regular wage
491	463	Lakshmaiah	Chinnaiah	SC	12000.00	Salaried
492	464	Manjula	Gangappa	Others	13000.00	Salaried
492	466	Rathanamma	Chennarayudu	SC	10000.00	Regular wage
493	460			SC	9000.00	Regular wage
494	467	Srinivasappa Vonkataparayanamma	Narayanamma	SC	13000.00	Salaried
		Venkatanarayanamma Rhumika	Obaiah Obaiah C	SC		
496	469	Bhumika	Obaiah.C		10000.00	Regular wage
497	470	Lakshmama	Challapathitao.C	SC	12000.00	Salaried
498	417	Maheswari	Obalesh.C	SC	13000.00	Salaried
499	472	Gowramma	Asha.R	SC	10000.00	Regular wage
500	473	Anandamma	Suma	SC	12000.00	Salaried
501	473/1	Hemalatha	T.Surendrababu	SC	10000.00	Regular wage
502	474	Lakshminarayanamma	Adinarayana	SC	9000.00	Regular wage
503	475	Lakshmi	Venunaydu	SC	13000.00	Salaried
504	476	Gowramma	H.V.Venkatesh	Minority	14000.00	Salaried
505	477	Venkaaih	Srithiniya	SC	10000.00	Regular wage
506	478	Sulochana	Suryanarayana	SC	10000.00	Regular wage
507	479	Adhinarayanamma	Papaaih	SC	13000.00	Salaried

SI No	H No	Name of t beneficiary	he Husband/ Father/ S/o	Caste	Annual Income	Occupation
508	480	Chodamma	Chandrashekhar	SC	10000.00	Regular wage
509	481	Shushila	Srinivasalu	SC	13000.00	Salaried
510	482	Gangadhara	Obalamma	SC	9000.00	Regular wage
511	483	Vijalakshmi	Ramavikram	SC	13000.00	Salaried
512	484	Pallamma	Bangarappa	SC	12000.00	Regular wage
513	485	Aswathamma	Nagamma	SC	13000.00	Salaried
514	486	Lakshmamma	Srinivas	Minority	14000.00	Regular wage
515	487	Lakshmidevi	Obaiah	SC	10000.00	Regular wage
516	488	Gangamma	Venkatesh	SC	9000.00	Regular wage
517	489	Leena	Jhonprakash	SC	12000.00	Salaried
518	490	Thirupathamma	Venkataiaj	SC	11000.00	Regular wage
519	491	Guru	Jainarayan(L)	SC	13000.00	Regular wage
520	492	Majula	Manjunatha	Others	9000.00	Salaried
521	493	Venkatachalam	Paragy kun	Others	11000.00	Regular wage
522	494	Anathalskhmi	Raghvendra P.J	Others	10000.00	Salaried
523	495	Raniyamma	Raghu J	SC	9000.00	Regular wage
524	496	Kamalamma	Jayakumar	SC	12000.00	Regular wage
525	497	Jayalakshmi	Thirupathaih	SC	9000.00	Salaried
526	498	Kousalya	R.Moula	SC	12000.00	Salaried
527	499	Rukminidevi	Balakrishna	SC	9000.00	Regular wage
528	499/1	Gangamma	Papamma	SC	12000.00	Salaried
529	500	Shobha	Prakash	SC	9000.00	Regular wage
						Regular wage
530	501	Roopa	Narayanprasad	Others	14000.00	
531	502	Yashodha	K.Jayakker	Others	10000.00	Regular wage
532	503	Vijalakshmi	Keshavan K	SC	12000.00	Salaried
533	505	Srilakshmi	Eswaramma	SC	11000.00	Salaried
534	506	Rukmini	Mohanraj	SC	12000.00	Regular wage
535	507	Ravanamma	Maaliyadri	SC	9000.00	Salaried
536	509	Ravanamma	Ramaiah	SC	12000.00	Regular wage
537	510	Anjali	Armugam	SC	12000.00	Regular wage
538	511	Merypupsha.A	Anandaraj	SC	10000.00	Salaried
539	512	Asha	Venkataiah	SC	9000.00	Regular wage
540	513	Venkatamma	Venkataiah	SC	13000.00	Salaried
541	514	Venkatalakshmi	Yangaiah	SC	9000.00	Regular wage
542	515	Rukmini		SC	13000.00	· · ·
			Suresh			Regular wage
543	516	Narasamma	Kondaiah	SC	14000.00	Salaried
544	517	Mali	Mahalkshmi	SC	9000.00	Salaried
545	518	Rathanamma	Keshavalu	SC	13000.00	Regular wage
546	519	Varalakshmi	Janardhan	SC	9000.00	Regular wage
547	521	Venkataramana	Srinivasalu	SC	14000.00	Salaried
548	522	Babykrishna	Suryanarayana	SC	13000.00	Regular wage
549	523	Jayamma	Lakshmidevi(Do)	SC	9000.00	Salaried
550	524	Sukumar	Abhika(L)	SC	8000.00	Regular wage
551	525	Anjinamma	Chinnakrsihna	SC	9000.00	Salaried
552	525/A	Bylamma	Ravikumar	SC	13000.00	Salaried
553	526	Munilakshmamma	Muniyappa	SC	9000.00	Regular wage
554	527	Muniyamma	Pradeep	SC	14000.00	Regular wage
555	528	Lakshmi	Armugam	SC	9000.00	Salaried
				SC		
556	530	Sumathi	Raja		13000.00	Regular wage
557	531	Nagalaskhmi	Girishbabu	SC	9000.00	Regular wage
558	532	Rajeswari	Sharaprasad	SC	8000.00	Salaried
559	533	Pupsha.R	Anilkumar	SC	13000.00	Regular wage
560	534	Ramadevi	Puroshothamma	SC	9000.00	Salaried
561	535	Saraswathi	Kamalesh	SC	13000.00	Regular wage
562	536	R.Nagarathana	Mylarappa	SC	10000.00	Salaried
563	537	Gunashekhar	Chandra	SC	14000.00	Self employed
564	538	Gangamma	Murugha	SC	12000.00	Regular wage
565	539	Lakshmamma	Srinivas	SC	13000.00	Regular wage
566	540	Maadamma	Rajagopla	SC	10000.00	Salaried
567	542	Sunadamma	Rajesh	SC	9000.00	Regular wage
568	543	Lakshmidevi	Raja	Others	13000.00	Salaried
569	544	Thirupalamma	Prema	SC	10000.00	Regular wage
570	545	Lakshmidevi	Anilkumar	SC	12000.00	Salaried
571	546	Chennamma	Penchalaiah	SC	13000.00	Regular wage

SI No	H No	beneficiary	the Husband/ Father/ S/o	Caste	Annual Income	Occupation
572	547	Rangalakshmi	Rangaiah	SC	10000.00	Salaried
573	548	Venkataranamma	Prasad	SC	12000.00	Salaried
574	549	Sujatha	Jayaram	SC	10000.00	Regular wage
575	550	Sharadha	Pooja(Do)	SC	9000.00	Salaried
576	551	Usha	Jalan	SC	13000.00	Salaried
577	552	Manju	Prithi	SC	14000.00	Self employed
578	553	Arogyaswamy	Periyanayagam	SC	10000.00	Regular wage
579	554	Faridha	Chandpasha	Minority	10000.00	Regular wage
580	555	Lakshmamma	Mulakondaiah	SC	13000.00	Salaried
		Shushilamma		SC	10000.00	
581	556		R.Jeevamurthy			Regular wage
582	557	Mahalskhmi	Mahendra A	SC	13000.00	Salaried
583	558	Janakamma	Namuna	OBC	9000.00	Regular wage
584	559	Mariyamma	Jems	SC	13000.00	Salaried
585	560	Isak	Swamynathan	SC	12000.00	Regular wage
586	561	Mani	Naresh	OBC	13000.00	Salaried
587	562	Puttamma	M.Manohar	SC	14000.00	Regular wage
588	563	Venkateshmurthy	Srinivasan	Others	13000.00	Salaried
589	564	Varalakshmi	Narashimmurthy	ST	9000.00	Regular wage
590	565	Saraswathamma	Chandrakala	ST	12000.00	Regular wage
591	566	Vanajakshi	Vijavakumar	SC	11000.00	Salaried
592	567	Rajamma	Munivenkatappa	SC	13000.00	Regular wage
592	568	Yallamma		SC		
			Nagaraju		9000.00	Salaried
594	569	Eramma	Balappa	SC	11000.00	Salaried
595	570	Anjinamma	Chithra	SC	10000.00	Regular wage
596	571	Anusuyamma	Srinivas	Others	9000.00	Salaried
597	572	Dhanalakshmi	Shekhar	SC	12000.00	Regular wage
598	573	Mahalskhmi	Shankar	SC	9000.00	Regular wage
599	574	Chandramma	Muniswamy	SC	12000.00	Salaried
600	575	Pavanamma	Kannan	SC	9000.00	Regular wage
601	576	Sharadha	Ramesh	SC	12000.00	Regular wage
602	577	Savitha	Siddlingeswara	SC	9000.00	Salaried
603	578	Amudha K	Dharama	SC	14000.00	Regular wage
604	579	Mariyamma	Johnpeter	SC	14000.00	Salaried
605	580	Shusheela	Rambabu	SC	12000.00	
						Regular wage
606	581	Jallamma	Shankar C.G	SC	11000.00	Salaried
607	583	Hemavathi G.R	Shivakumar.C	SC	12000.00	Salaried
608	584	Sharadha	Sureshbabu V	SC	9000.00	Regular wage
609	585	Bhavya	Srinivas	SC	12000.00	Regular wage
610	586	Engamma	Ganesh	SC	12000.00	Salaried
611	587	Thirupathamma	Obalesh	SC	10000.00	Regular wage
612	588	Revanamma	Penchalakondaiah	SC	9000.00	Salaried
613	589	Annadorai	Maalagi	SC	13000.00	Self employed
614	590	Maadamma	Govindaraj M.V	SC	9000.00	Regular wage
615	591	Penchalamma	Penchalaiah	SC	13000.00	Salaried
616	592	Narayana	Penchalaiah	SC	14000.00	Salaried
617	593	Resinjasi	Pranthasathi	SC	9000.00	Salaried
618	595	Nirmala		SC	13000.00	Regular wage
			Ramanjaneya	SC		
619	596	Gunavathi	Haridaas		9000.00	Salaried
620	597	Shusheelamma	Chinnaswamy	SC	14000.00	Salaried
621	598	Venkatamma	Deena(L)	SC	13000.00	Regular wage
622	599	Subappa	Chandrika	SC	11000.00	Regular wage
623	600	Narasamma	Hanumatharayappa	SC	8000.00	Regular wage
624	601	Varalakshmi	Lakshminarayana	SC	9000.00	Regular wage
625	602	Narasamma	Venkatarayappa	SC	13000.00	Salaried
626	603	Bharathi	Venkatesh	SC	9000.00	Salaried
627	604	Narasamma	Doddarangaiah	SC	14000.00	Regular wage
628	605	Rathna	Ravi	Others	9000.00	Salaried
629	606	Umadevi	Shivakumar	SC	13000.00	Regular wage
630	607	Bharathi	Nataraj V	SC	9000.00	Regular wage
631	608	Akkayamma	Balappa	SC	8000.00	Salaried
632	609	Bharathi	Narashimmurthy	SC	13000.00	Salaried
633	610	Padamamma	Gopalkrishna	SC	9000.00	Regular wage
634	611	Lalitha	Rangaswamy C	OBC	13000.00	Regular wage
635	612	Thimmakka	Avalakondaiah	SC	10000.00	Salaried

SI No	H No	Name of the beneficiary	Husband/ Father/ S/o	Caste	Annual Income	Occupation
636	613	Ayyamma	J.Kondaiah	SC	8000.00	Regular wage
637	614	Radha	D.ChannaObalesh	SC	12000.00	Salaried
638	615	Padma	Raju	SC	13000.00	Salaried
639	616	Shantha	Prithy	SC	10000.00	Regular wage
640	617	Thirupathamma	Rathnaiah	SC	9000.00	Regular wage
641	618	Dyaniyal	David	OBC	13000.00	Self employed
642	619	Ravanamma	Chinnavengaih	SC	10000.00	Salaried
643	620	Gayithri	Rakesh	SC	12000.00	Regular wage
644	621	Nirisha	Prasad	SC	13000.00	Regular wage
645	622	Madhu	Venkatanarayan	SC	10000.00	Salaried
646	623	Shashiukala	Prabhu	SC	12000.00	Regular wage
647	624	Selvirani	Elumalai	SC	10000.00	Regular wage
648	625	Latha	S.Kolanji	ST	9000.00	Regular wage
649	626	Vijaya	Muniswamy(L)	SC	13000.00	Salaried
650	627	Shivamma	Rajappa	SC	14000.00	Regular wage
651	628	Sulochana	Gopinathan	SC	10000.00	Salaried
652	629	Jeeva	Ramkumar	SC	10000.00	Regular wage
653	630	Maadevamma	Muthyalappa	SC	13000.00	Salaried
654	631	Selvi	Narendra	SC	10000.00	Salaried
655	632	Rangamma	Kariyanna	SC	13000.00	Regular wage
656	633	Neelamma	Armugam	SC	9000.00	Salaried
657	634	Lakshmidevamma	Kumar	SC	13000.00	Salaried
658	635	Munirathna	Rajendran	SC	12000.00	Regular wage
659	636	Shusheelamma	Lakshman	SC	13000.00	Salaried
660	637	Anjamma	Raghuram	SC	10000.00	Regular wage
661	638	Chinnamma	Veeranarasappa	SC	13000.00	Salaried
662	639	Saritha	Pandiyan	SC	10000.00	Regular wage
663	640	Reddamma	Ramappa	SC	12000.00	Salaried
664	641	Munilakshmamma	Thirimallappa	SC	11000.00	Salaried
665	642	Muddamma	Anjineyal	SC	13000.00	Salaried
666	643	Gowramma	Boraiah	SC	1200.00	Salaried

Annexure - A - Check list of Documents / information required in the DPR of RAY

1. State : Karnataka

2. City : Bangalore

3. Project Name: Construction of 666 (G.F) Du's Housing at Kuvempunagara slum (In-situ development) including infrastructure in Bangalore City in Byatrayanapura Area Under RAY.

4. Project Cost (Rs in Lacs): 3629.70

SI No	Description	Yes	No
1	Duly authenticated Admin. & Tech. checklist of DPR is enclosed.	Yes	
2	Duly authenticated Executive Summary is enclosed.	Yes	
3	Duly authenticated Detailed cost estimates are enclosed.	Yes	
4	Following duly authenticated drawings enclosed:		
	Location plans	Yes	
	Survey maps and contour plans	Yes	
	Existing Slum/ Area layout and service plans	Yes	
	Building plans, Architectural & Structural drawings	Yes	
	L- section /Cross-sections/ Elevations as applicable for	Yes	
	roads, drains, sewer etc.		
5	Following duly authenticated annexure enclosed:		
	 Undertaking (signed by ULB/SLNA) 	Yes	
	List of Beneficiaries	Yes	
	Sample copy of consent of beneficiaries	Yes	
	Sample copy of household survey	Yes	
	Sample copy of allotment letter indicating ownership		
	rights	Yes	
	Copy of SLSMC approval	Yes	
	Copies of statutory approval required	Yes	
	Photographs of existing slum covering housing and		
	infrastructure conditions and micro-planning	Yes	
	Certificate regarding "As is where is" basis, if there is no		
	Master Plan for the region.	Yes	

Signature of the State Level Nodal

Name & Designation: Address: Fax No: Telephone No. Mobile No: E-mail: Signature of the CEO/Commissioner of ULB/ Implementing Agency Name & Designation: Address: Fax No: Telephone No. Mobile No: E-mail:

Annexure – B: ADMINISTRATIVE AND TECHNICAL CHECKLIST For DPR of RAY

 Name of the State : Karnataka
 Name of the city : Bangalore
 Name of the Project : Construction of 666 (G.F) Du's Housing at Kuvempunagara slum (In-situ development) including Infrastructure in Bangalore City, Byatarayanapura Area Under RAY

:

- 4. Project Cost (Rs in lacs) : 3629.70
- 5. Nodal Agency : DMA
- 6. Implementing agency : KSDB
- 7. Total urban population of the city as per census 2011 : 85,00,000
- 8. Total slum population of the city as per census 2011 : 15,19,001
- 9. Slums(S) population as per census 2011

S. No.	Description	YES	NO
1. (a)	Has the State adopted a policy towards conferring land tenure rights to Slum Dwellers?	Yes	
(b)	If not, is the legislation for the above in process?And what Stage is it?	I	-
(c)	Have the beneficiaries covered in the DPR been provided with tenure rights?	Yes	
2. (a)	Has Slum Free City Plan (SFCP) been prepared and forwarded to MoHUPA?		No
(b)	If yes, has the Slum Free City Plan (SFCP) been approved by MoHUPA?	-	-
(c)	If not, what is the stage of SFCP preparation?	Une Prepar	
3.	Has the State Slum Policy been prepared and adopted?	Yes	
4.	Has MoA for reforms been signed with MoHUPA?	Yes	
5.	Has State Level Sanctioning and Monitoring Committee (SLSMC) been Constituted?	Yes	
6.	Has DPR been approved by the SLSMC?	I	-
7.	Has the DPR been forwarded by the designated Nodal Agency?	I	-
8.	Is the implementation authority identified with State Govt. approval?	Yes	
9.	Whether elected Local Body is in Place?		No
10.	Does a Valid City Master Plan exist?	Yes	
11. (a)	Has a City Sanitation Plan (CSP) been prepared?	Yes	
(b)	If yes, is the DPR prepared keeping CSP in view?	Yes	
12. (a)	Has a Disaster Management Plan (DMP) been prepared for the City?	Yes	
(b)	If yes, is the DPR prepared keeping City DMP in view	Yes	
(c)	If no, is a DMP for the slums included in the DPR?	-	-
13.	Has the Final List of Slums (with census data) after de-notification prepared?	Yes	
14.	Is this Slum(s) notified or non-notified?	Noti	fied
15.	If SFCP is not completed has tenability & deficiency assessment of slum(s) and	Yes	
	preparation of slum level GIS maps been completed and furnished in the DPR?		
16. (a)	Is the Project land in possession of implementing agency and free from any	Yes	
	encroachments and encumbrance?		
(b)	If not, provide status of proposed land.	-	-
17.	Has Socio-economic survey of slum(s)been completed as per latest format	Yes	
18.	Has Physical (Total station) survey of slum(s) been completed?	Yes	

19.	Have Environmental sustainability studies for slum(s) covered in DPR been carried out?	Yes				
20.	Have Beneficiaries been identified by bio-metric or UID and is the list enclosed in DPR?		No			
21.	Whether caste-wise breakup of beneficiaries furnished	Yes				
22.	Has the entire slum(s) has been taken up for housing and infrastructure improvement while formulating the DPR? (Whole slum approach adopted)	Yes				
23.	Have detailed cost estimates been prepared with State Schedule of Rate. Mention year of SOR?	Yes				
24.	If cost index is applied on old SoR, has it been certified by Competent Authority?	N				
25.	Is the DPR for in situ up-gradation?	Yes				
26. (a)	Is the DPR for relocation?		No			
(b)	If Yes, Distance of proposed site from existing location					
(c)	Whether beneficiaries consent has been obtained for the proposed project		1			
27.	Project Cost (Rs in lacs) and in percentage of Housing to Infrastructure					
	 Housing 	289	7.10			
	• Infrastructure					
	Sub-Total	432.90 3330.00				
	• Contingency					
	• Escalation		•			
	Departmental charges	-				
	Total	299.70 3629.70				
28.	Has the Cost sharing among State and ULB been formally agreed upon?		9.70			
		Yes				
29.	Have the tie-ups for beneficiary contribution been indicated?	Yes	1 (0			
30.	Central share requested (Rs in lacs)	173	1.60			
31.	State share (Rs in lacs) and in percentage	1.00	~ = 4			
	• State Grant	160	6.74			
	• ULB/Agency's own funds					
	Beneficiary contribution	291.36				
	Any other		•			
32.	i) Project Duration	18 m	onths			
	ii) Proposed Date of commencement	-	-			
33.	No. of DUs - New	66	56			
	Up-gradation	-				
	Transit	-				
	Rental	-				
	Dormitories / Any other	-	-			
34.	If only Infrastructure provided, then give no of DUs benefited Minimum Carpet area of a DU (Sqm)	25	00			
35.		25.00				
	Density (DU/hectare)	· · ·	•			
36. (a)	Is the Land use of the proposed site residential as per the Master plan?					
(b)	If not residential, whether notification for change of land use has been issued?	<u> </u>	<u> </u>			
37.	Coverage area under proposed project components	Area	Area			
	• Residential	(Sqm)	(%)			
	• Commercial					
	• Facilities					
	• Green area		1			

	Roads and Pavements		
	• Any other (Specify)		
38.	Status of statutory approvals from :		
	Town &Country Planning Dept.		
	Municipal Corporation		
	• Fire Department		
	Pollution Control Board		
	• Min. of Environment		
	 Coastal Regulatory Authority etc. 		
39.	Have Green Technologies or any cost effective technologies adopted in the		No
39.	project?		INU
40.	Has Disaster resistant technology been adopted?		No
41. (a)	Water Supply	Yes	
	Is Municipal water supply main available near the slum boundary? If yes how	1.00	
	far?		
(b)	If yes, whether slum water supply system is proposed to be connected to the	48.36	lacs
	Municipal water supply main? What is the cost of integration?	10100	Iucs
(c)	If not, whether independent slum water supply system has been proposed?		
(-)	What is the cost of this system?		
(d)	Whether individual water supply connection proposed?	Yes	
42. (a)	Sewerage	Yes	
+2. (a)	Is Municipal sewer line available near the slum boundary? If yes how far?	105	
(b)	If yes, Whether slum sewerage line is proposed to be integrated with the	73.26	Loce
(0)	Municipal sewer line? What is the cost of integration?	13.20	Lats
(c)	If not, whether independent slum sewerage system has been proposed? What is	Yes	[
(C)	the cost of system?	165	
43. (a)	Roads	Yes	
43. (a)	Is Municipal main road is available near the slum boundary? If yes how far	168	
(b)	Has Slum road network been proposed? What is the cost?	108.88	
	Connectivity with the main peripheral road exists?	100.00	Lacs
(c)			
(d)	If not, whether slum road network is proposed to be integrated with city level		
44 ()	network? What is the cost of integration?	T 7	
44. (a)	Storm Water Drains	Yes	
(1)	Municipal Drain is available near the slum boundary? If yes how far	44 8 0	
(b)	Slum drainage network has been proposed? What is the cost?	115.8	2 lacs
(b)	Connectivity with the Municipal drains exists?	Yes	
(c)	If not, whether slum storm water drainage line is proposed to be integrated with city level network? What is the cost of integration?		
45. (a)	Street lighting	Vac	
43. (a)	Internal slum electrification has been proposed? What is the cost?	Yes	
(b)	Whether connectivity with external supply line exists?		No
		07 50	
(c)	If not whether slum level electrification is proposed to be integrated with city level network? What is the cost of integration?	86.58	Lacs
10	level network? What is the cost of integration?		NI-
46.	Has Provision for Solid Waste Management been made?		No
47.	Parks & Open spaces		1
48. (a)	Whether Health Care facility exists within the site. If not how far is it?	Yes	
(b)	If yes what type of facility exists?	Gen Hosj	
49. (a)	Whether Educational facility exists within the site. If not how far is it?	Yes	
(b)	If yes what type of facility exists?		
50.	Provision for convergence of the Central and State Government Schemes in the		No
			1 10

	i) Health	
	ii) Education	
	iii) Social Security including accidental and medical insurance, old age	
	pension, old age homes etc.	
51.	Provision of other civic amenities (if any) like community centre, livelihood	No
	centre, informal market etc.	
52.	Has Separate provision for upkeep and maintenance of public assets to be	No
	created through this project been made?	
53.(a)	Are Project components on PPP basis?	No
(b)	If yes, what are the components?	
(c)	Whether the works proposed under the DPR have been carried out under any	No
	other scheme. If yes, when?	
54.	Innovative approaches adopted in the project.	No

Signature of the State Level Nodal Officer

Name & Designation: Address: Fax No: Telephone No. Mobile No: E-mail:

Signature of the CEO/Commissioner of KSDB/ Implementing Agency

Name & Designation: Address: Fax No: Telephone No. Mobile No:

E-mail:

				Annexure C - EXI	ECUTIVE SUMMA	ARY		I		
Project De	etails :									
1	State : Karnataka									
2	City : Bangalore									
3	Project Name : Construct Area Under RAY	ion of 666 (G.F) Du'	s Housing at F	(uvempunagara	slum (In-situ de ^v	velopment) incl	uding infrast	ructure in Bang	galore City in	Byatrayanapura
4	Project Cost (Rs in Lacs)	: 3629.70								
5	Central Share (Rs in Lacs	s) : 1731.60								
6	State Share (Rs in Lacs)	: 1606.74								
7	ULB Share (Rs in Lacs) :									
8	Beneficiary Share (Rs in I	Lacs) : 291.36								
9	Infrastructure Cost per dw	velling unit (Rs in L	acs) : 0.65							
10	SOR Adopted : 2013 -14									
			Project Co	ntribution (Phys	ical + Financial)	(Rs in Lacs)				
SI No	Scheme Component	Туре	Qty in Nos / m	Rate (in Rs / Unit)	Proposed Project Cost	Appraised Project Cost	Central Share	State Govt. Share	ULB Share	Beneficiary Contribution
A.Housing	9									
1	In-situ development	Single Storied	666 Du's	435000.00	2897.10	-	1448.55	1157.19	-	291.36
2	Up- Gradation									
3	Rental	-	-	-	-	-	-	-	-	-
4	Transit	-	-	-	-	-	-	-	-	-
	Total Housing C	ost Sub total(A):		435000.00	2897.10		1448.55	1157.19		291.36
B-1. Physi	ical Infrastructure :					и <u> </u>		1		
1	Roads									
i	Asphalt Road	Sqm	1736.00	517.28	8.98	-	4.49	4.49	-	-

Scheme Component	Туре	Qty in	Rate	Proposed	Appraised	Central	State Govt.	ULB Share	Beneficiary Contribution
C.C. Road	Sam							_	-
	-							_	
	Nos	666.00	3000.00	19 98		9 99	9 99	_	
									_
	1100	1.00	100000.00	20.00		1110	11.10		
	Rmt	4396 00	2634 67	115 82	_	57 91	57 91	_	_
		1000100	200 1107	110102		01101			
_	Nos	666.00	11000.00	73.26	_	36.63	36.63	_	_
	1100	000.00	11000.00	10.20		00.00	00.00		
Street Lighting									
Service connection	Nos	666.00	13000.00	86.58	-	43.29	43.29	-	-
	Sub Total(B1):		65000.00	432.90		216.45	216.45		0.00
al Infrastructure :									
Community centre	-	-	-	-	-	-	-	-	-
	Sub Total(B2):		0.00	0.00		0.00	0.00		0.00
Su	b Total(B1 + B2):		65000.00	432.90		216.45	216.45		0.00
	Total (A + B):		500000.00	3330.00		1665.00	1373.64		291.36
Ratio of Housi	ng to Infrastructure			85 % : 15 %					
			00000.00	400.00	<u> </u>	00.00	00.00		
U & M @ 4%			20000.00	133.20	-	66.60	66.60	-	-
	C.C. Road Culverts Water Supply Service connection Pipeline (MWS) Storm water Drain Drains Sewerage Service connection Street Lighting Service connection	C.C. RoadSqmCulverts-Water Supply-Service connectionNosPipeline (MWS)NosStorm water Drain-DrainsRmtSewerage-Service connectionNosStreet Lighting-Service connectionNosStreet Lighting-Service connectionNosStreet Lighting-Service connectionNosInfrastructure :Sub Total (B1):Community centre-Sub Total (B2):-Sub Total (B1 + B2):-Sub Total (A + B):-Ratio of Housing to Infrastructurecon and maintenance cost-	Scheme ComponentTypeNos / mC.C. RoadSqm6370.00CulvertsWater SupplyService connectionNos666.00Pipeline (MWS)Nos4.00Storm water Drain-DrainsRmt4396.00Sewerage-Service connectionNos666.00Street Lighting-Service connectionNos666.00Street Lighting-Service connectionNos666.00Infrastructure :Community centreSub Total (B1) :-Infrastructure :Community centreSub Total (B2) :-Infrastructure :Community centreSub Total (B1 + B2) :-Ratio of Housing to Infrastructure-Con and maintenance cost-	Scheme Component Type Nos / m (in Rs / Unit) C.C. Road Sqm 6370.00 1568.29 Culverts - - - Water Supply - - - Service connection Nos 666.00 3000.00 Pipeline (MWS) Nos 4.00 709500.00 Storm water Drain - - - Drains Rmt 4396.00 2634.67 Sewerage - - - Service connection Nos 666.00 11000.00 Street Lighting - - - Service connection Nos 666.00 13000.00 Infrastructure : Sub Total (B1) : 65000.00 - Infrastructure : Sub Total (B2) : 0.00 - Community centre - - - - Sub Total (B1 + B2) : 65000.00 - - Total (A + B) : 500000.00 - Ratio of Housing to Inf	Scheme Component Type Nos / m (in Rs / Unit) Project Cost C.C. Road Sqm 6370.00 1568.29 99.90 Culverts - - - - Water Supply - - - - Service connection Nos 666.00 3000.00 19.98 Pipeline (MWS) Nos 4.00 709500.00 28.38 Storm water Drain - - - Drains Rmt 4396.00 2634.67 115.82 Sewerage - - - - Service connection Nos 666.00 11000.00 73.26 Street Lighting - - - - Service connection Nos 666.00 13000.00 86.58 Infrastructure : - - - - - Community centre - - - - - Sub Total (B1 + B2): 65000.00 432.90 - </td <td>Scheme Component Jype Nos / m (in Rs / Unit) Project Cost Project Cost C.C. Road Sqm 6370.00 1568.29 99.90 - Culverts - - - - - Water Supply - - - - - Service connection Nos 666.00 3000.00 19.98 - Pipeline (MWS) Nos 4.00 709500.00 28.38 - Storm water Drain - - - - - Drains Rmt 4396.00 2634.67 115.82 - Service connection Nos 666.00 11000.00 73.26 - Service connection Nos 666.00 13000.00 86.58 - Service connection Nos 666.00 13000.00 432.90 - Infrastructure : Sub Total (B1): 65000.00 432.90 - - Community centre - - -</td> <td>Scheme Component Type Nos / m (in Rs / Unit) Project Cost Project Cost Share C.C. Road Sqm 6370.00 1568.29 99.90 - 49.95 Culverts - - - - - - 49.95 Culverts - - - - - - 49.95 Water Supply - - - - - - 9.99 Pipeline (MWS) Nos 4.00 70950.00 28.38 - 14.19 Storm water Drain - - - 57.91 - 57.91 Service connection Nos 666.00 11000.00 73.26 - 36.63 Street Lighting - - - - - 43.29 Service connection Nos 666.00 13000.00 86.58 - 43.29 Infrastructure : - - - - - - <</td> <td>Scheme Component Jype Nos / m (in Rs / Unit) Project Cost Project Cost Share Share C.C. Road Sqm 6370.00 1568.29 99.90 - 49.95 49.95 Culverts - - - - - 49.95 49.95 Culverts - - - - - 49.95 49.95 Water Supply - - - - - 9.99 9.99 Pipeline (MWS) Nos 4.00 709500.00 28.38 - 14.19 14.19 Storm water Drain - - - - 57.91 57.91 Storm water Drain Rmt 4396.00 2634.67 115.82 - 36.63 36.63 Storm water Drain Rmt 4396.00 11000.00 73.26 - 36.63 36.63 Street Lighting - - - - - - - - - -<</td> <td>Scheme Component Type Nos / m (in Rs / Unit) Project Cost Project Cost Share Share C.C. Road Sqm 6370.00 1568.29 99.90 - 49.95 49.95 - Culverts -</td>	Scheme Component Jype Nos / m (in Rs / Unit) Project Cost Project Cost C.C. Road Sqm 6370.00 1568.29 99.90 - Culverts - - - - - Water Supply - - - - - Service connection Nos 666.00 3000.00 19.98 - Pipeline (MWS) Nos 4.00 709500.00 28.38 - Storm water Drain - - - - - Drains Rmt 4396.00 2634.67 115.82 - Service connection Nos 666.00 11000.00 73.26 - Service connection Nos 666.00 13000.00 86.58 - Service connection Nos 666.00 13000.00 432.90 - Infrastructure : Sub Total (B1): 65000.00 432.90 - - Community centre - - -	Scheme Component Type Nos / m (in Rs / Unit) Project Cost Project Cost Share C.C. Road Sqm 6370.00 1568.29 99.90 - 49.95 Culverts - - - - - - 49.95 Culverts - - - - - - 49.95 Water Supply - - - - - - 9.99 Pipeline (MWS) Nos 4.00 70950.00 28.38 - 14.19 Storm water Drain - - - 57.91 - 57.91 Service connection Nos 666.00 11000.00 73.26 - 36.63 Street Lighting - - - - - 43.29 Service connection Nos 666.00 13000.00 86.58 - 43.29 Infrastructure : - - - - - - <	Scheme Component Jype Nos / m (in Rs / Unit) Project Cost Project Cost Share Share C.C. Road Sqm 6370.00 1568.29 99.90 - 49.95 49.95 Culverts - - - - - 49.95 49.95 Culverts - - - - - 49.95 49.95 Water Supply - - - - - 9.99 9.99 Pipeline (MWS) Nos 4.00 709500.00 28.38 - 14.19 14.19 Storm water Drain - - - - 57.91 57.91 Storm water Drain Rmt 4396.00 2634.67 115.82 - 36.63 36.63 Storm water Drain Rmt 4396.00 11000.00 73.26 - 36.63 36.63 Street Lighting - - - - - - - - - -<	Scheme Component Type Nos / m (in Rs / Unit) Project Cost Project Cost Share Share C.C. Road Sqm 6370.00 1568.29 99.90 - 49.95 49.95 - Culverts -

SI No	Scheme Component	Туре	Qty in Nos / m	Rate (in Rs / Unit)	Proposed Project Cost	Appraised Project Cost	Central Share	State Govt. Share	ULB Share	Beneficiary Contribution
		Sub Total (C) :		20000.00	133.20		66.60	66.60		0.00
D. Other C	Cost									
1	A & OE, IEC, DPR Preparation & PMC @ 5%			25000.00	166.50	-	-	166.50	-	-
		Sub Total (D) :		25000.00	166.50		0.00	166.50		0.00
	Grand Total	(A+B+C+D):		545000.00	3629.70		1731.60	1606.74		291.36
Si	gnature of the KSDB Level Competent Technical Officer	Signature of the CEO / Commissioner of KSDB / Implementing Agency		Signature of the State Level Competent Technical Officer			Signature of the State Level Nodal Officer			
Name & Do Address :	esignation :	Name	e & Designatior) : 	Name & Designation : Address :		Name & Designation :		tion :	
Fax No : Telephone Mobile No e-mail id :					Fax No : Telephone No : Mobile No : e-mail id :					
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Annexure - D - Undertaking

(To be signed by ULB and SLNA)

Name of Project: Construction of 666 (G.F) Du's Housing at Kuvempunagara slum(In-situ development) including infrastructure in Bangalore City in Byatrayanapura Area Under RAY.

Project Cost: Rs in Lacs : 3629.70

- 1. Title of the project land is clear and under the possession of the Urban Local Body/State Government/Beneficiary.
- 2. Land use is residential i.e. in conformity with the Town Planning norms. & the land is free from all encumbrances.
- 3. The estimates have been prepared as per applicable departmental SOR along with current cost index (if required) certified by competent authority .The estimates have been signed by the competent Engineer of the ULB and State. The quantity and estimate calculations as included in the DPR conform to the proposed design / plan with due adequacy & correctness of design.
- 4. Certified that all statutory approvals (such as Environmental clearance, Fire fighting, Town Planning approval, etc.) as applicable have been obtained from the competent authorities and project components have been designed in line with the applicable Municipal Byelaws.
- 5. This is to certify that necessary measures will be taken by the Urban Local Body for safeguarding the spaces from further encroachment. The organized green spaces/play grounds/public open spaces shown in the layout plan of the slums shall be developed/ maintained by the ULB.
- 6. That the houses not taken up in the project are pucca in nature, i.e. structural sound with safe foundation & RCC roof and adequate natural lighting & ventilation having individual toilet and individual tap water supply connection.
- 7. Slums covered under the scheme shall be de-notified after implementation of all development works and construction of new houses.
- 8. Allotment of dwelling space shall be made in the name of the wife or in the joint name of wife & husband of the identified beneficiary.
- 9. Whole slum approach has been adopted while formulating the slum development plan. All Katcha (Temporary) and semi pucca (Semi permanent) houses have been addressed and taken up for reconstruction/ up-gradation. It is ensured that all the basic infrastructure facilities i.e. water supply; sewerage, roads, drains, solid waste management, electrification, etc. have been provided. Other social infrastructure facilities like health, education and other community facilities have been adequately provided / converged with existing schemes.
- 10. Beneficiaries have given their consent for implementation of the project as proposed in the DPR. All the Beneficiaries have confirmed their willingness to contribute their financial contribution for the Dwelling Units as proposed in the DPR.
- 11. The beneficiary contribution proposed is minimum 12%(Gen Category)/10% (SC/ST/BC/OBC, PH & Other weaker sections) of Dwelling unit cost. In case of higher contribution it is certified that the EMI burden (bank/soft loan) does not exceed 25% of monthly income of beneficiary household.
- 12. The project will be implemented in 24 Months from the date of sanction from Govt. of India.
- 13. All procurement shall be done through a transparent Bidding Process in conformity with guidelines of the State Govt.

- 14. Required basic infrastructure (water supply, sewerage, roads, drains, solid waste management, electrification) are provided at site through integration with city level network / independent system and in line with master plan.
- 15. Although comprehensive infrastructure facility within the slum area, covering all the slum dwellers has been proposed in the DPR, however if any part/component is left uncovered that will taken up by the ULB from its own resources and no further demand of funds will be placed with MoHUPA, Govt. of India, for this purpose.
- 16. Operation and Maintenance of the assets created (housing and infrastructure) shall be done by ULB through involvement of beneficiaries/RWA.
- 17. ULB shall ensure adequate health and education facilities after assessing the existing facilities in the nearby area of the slum. ULB shall also provide social security to the beneficiaries through ongoing schemes of State/Central Government.
- 18. ULB undertakes to extend all necessary support in terms of manpower, machineries etc. for smooth operation of all the social infrastructure facilities proposed under the scheme including health & educational facilities as applicable.
- 19. The structural safety aspects of the buildings and infrastructure components proposed in the project have been ensured by designing the as per the requirements of National Building Code and relevant IS Codes and Manuals.
- 20. Undertake to constitute a beneficiary committee, which would supervise construction at various levels; foundation, basement, lintel, roof, completion, occupation etc. & undertake social audit of the site after completion of the project. It is also undertaken to ensure quality control systems-both internal and external, so that the constructions are undertaken with utmost quality.
- 21. Any escalation in the project cost would be borne by State Govt. / ULB.
- 22. The project components proposed in the DPR were never taken up / funded under any Central / State or any other schemes.

Signature of the State Level NodalSignature of the
ImplementingName & Designation:Name & DesignationAddress:Address:Fax No:Fax No:Telephone No.Telephone NoMobile No:Mobile No:E-mail:E-mail:

Signature of the CEO/Commissioner of ULB/ Implementing Agency Name & Designation: Address: Fax No: Telephone No. Mobile No: E-mail:

CERTIFICATE

RAJIV AWAS YOJANA (RAY) AT BANGALORE CITY

* * * * * * * * *

I herby certify that the Individual Dwelling units Proposed under RAY 666 (G.F) Du's housing in the Kuvempunagara Slum (in-situ redevelopment) of Bangalore city Byatarayanapura area have not been covered under BSUP scheme nor overlapped under any other governmental scheme & the submitted proposal can be considered as it is as per the deliberations.

Technical Director – 1 Karnataka Slum Development Board Bangalore

KARNATAKA SLUM DEVELOPMENT BOARD, BANAGALORE

BENEFICIARIES WILLINGNESS CERTIFICATE FOR (G.F) STRUCTURE AT BYATARAYANAPURA AREA, BANGALORE CITY

* * * * * * * * *

Beneficiaries are accepting (G.F) structure model of RCC framed structure conventional methodlogy subjected to the quality ensured by the Technical experts of the KSDB with proper physical infrastructure at place. They are expressed their willingness to move their bases to the new layout when it is ready for occupancy without any pre- conditions.

Technical Director – 1 Karnataka Slum Development Board Bangalore

KARNATAKA SLUM DEVELOPMENT BOARD, BANAGALORE LAND POSSESSION CERTIFICATE

RAJIV AWAS YOJANA (RAY) AT BANGALORE CITY

* * * * * * * * *

The Beneficiaries of this project in Bangalore City are residing in the slums for more than 10 years. The slums are declared and notified as per KSA Act, the ownership of the land vests with the Government without any encumbrances and there is no objection to take up the project.

> Technical Director – 1 Karnataka Slum Development Board Bangalore

CERTIFICATE

Name of the Work :

Construction of 666 (GF) Du's Housing at Kuvempunagara slum (In – Situ redevelopment) including infrastructure in Bangalore City, Byatarayanapura Area under Rajiv Awas Yojana (RAY).

Estimated Cost Rs in Lakhs . 3628.57

- Certified that all the measurements of items of works are verified with respect to the drawings & are found to be correct.
- Certified that the rates are adopted in estimate are as per 2013-14 SR of PWD Bangalore Circle.
- Certified that we have personally visited the site & the items of works included in the estimate & provisions of the works made there quite essential & reasonable as per the filed requirements & in most economical & safe way of executing the work.

Assistant Engineer No – 4 Sub-Division KSDB, Bangalore Assistant Executive Engineer No – 4 Sub Division KSDB, Bangalore Executive Engineer No – 4 Sub-Division KSDB, Bangalore