

PROPOSED "RETROFITTING/REDEVELOPMENT OF CAR STREET AND AREAS OF SRI VENKATRAMANA TEMPLE AS RELIGIOUS ZONE"

DETAILED PROJECT REPORT

ESTIMATED COST - Rs. 4,95,00,000/-

AEC -PAILANDS ASSOCIATES



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1 SALIENT FEATURES

1	Title of the project	Proposed Retrofitting/Redevelopment of Carstreet and Areas of Sri Venkataramana Temple as Religious Zone
2	Details of the project	
	i. District	Dakshina Kannada
	ii. Taluk	Mangaluru
	iii. Corporation	Mangaluru
	iv. Assembly Constituency	Mangaluru South
3	Implementing agency/SPV	Mangaluru Smart City Limited
4	DPR prepared by	Pailands Associates
5	Project outlay	Rs. 14,59,00,000.00
5	Budget provision	Rs. 14,59,00,000.00
7	Administrative sanction	From Mangaluru Smart City Limited (MSCL)
8	Nature of the project	Upgradation of the Road and construction of underground services lines. Upgradation of footpath and provide architectural features which enhances the heritage value of the street.
10	Need for the project	Refer Introduction
11	Details of the Proposal	
	Length of Road	0.8 KM
12	Total estimated cost with item wise cost break up and details of Schedule of Rates	Attached
13	Whether detailed estimate attached ?	Yes



2 INTRODUCTION

2.1 **Project Introduction**

Car Street is an area in Mangalore which is synonymous with culture and heritage. This stretch of the road is located in the north western part of Mangalore city and is adorned by temples and old buildings which highlights the cultural significance of the street. This road is presently used by various modes of transport and acts as a link between major roads of the city like K.S.Rao road, Kulur ferry road, Azizuddin road etc.

During festivals, this street becomes the centre point of celebrations. A large number of processions take place on this street for various occasions. In order to develop this street, it is proposed to upgrade the road and underground infrastructure for the entire stretch which begins from KS Rao road and the proposed minor intervention of heritage development terminates at the junction of Kuloor Ferry Road and Car Street.A minor interventions of Heritage style development is considered from KS Rao Road upto junction of Kuloor Ferry Road and Car Street only, which is the scope of this project. Infrastructure development of the road from KS Rao Road upto junction of Car Street & Kulur Ferry Road and continuing further up to Sujirkar tile factory & waterfront development is proposed in phases which is not in the scope of this development.

2.2 Project Purpose

The street is known for its rich heritage value as there are age-old Temples and Maths which attract a large number of people during festivals and annual celebrations. It has become a symbol of religious and cultural hub. Hence, conservation of such valuable structures is one of the purposes.

The vehicular and pedestrian movement is very dense in this area on normal days. The street is busiest during festivals and celebrations. To provide sufficient infrastructure for vehicular and pedestrian movements is essentially another purpose of this project.

We are aiming to create a balanced design proposal with infrastructure for vehicular and pedestrian movement and aesthetic heritage value.

2.3 **Project Brief**

The Mangaluru Smart City Limited (MSCL, the Client), under the Government of Karnataka (GoK), has proposed the 'Proposed Retrofitting/Redevelopment of Carstreet and Areas of Sri Venkataramana Temple as Religious Zone' (the Project) with the allocation of INR 14.59 Crores from the Smart City Mission Fund. As a part of



the development, the stretch of around 1.2 kilometers is to be redeveloped and retrofitted, starting from the KS Rao Road junction and extending till the waterfront. The aim is to provide adequate infrastructure and incorporate urban design measures to redevelop Car Street as a heritage precinct.

The scope of this project/DPR is to add minor heritage interventions value to streetscape using streetlights, seating, handrails, bollards etc. for 0.8 Km of this development.

This heritage addition will be done above road/pavement/stormwater drain/ electrical and plumbing infrastructure developed by MSCL under separate project.

2.4 **Project Deliverables**

The Project deliverables are broadly

1. Preparation of the Concept Report for Proposed Retrofitting/Redevelopment of Carstreet and Areas of Sri Venkataramana Temple as Religious Zone

2. Preparation of Detailed Project Reports

3. Bid Process Management including preparation of RFP/Concession agreements, Bid evaluation, finalization of contractor for implementation

4. Implementation of works including Quality Assurance, Quality Control and Certification



3 INTRODUCTION TO THE CITY - MANGALURU

3.1 Contextual Study of the City



Mangaluru, the headquarters of Dakshina Kannda distrist, is a chief port city in the state of Karnataka and is known as the gateway to Karnataka. It is the fourth largest city in the state. It is located at 12 deg 52' Latitude and 74 deg 53' longitude and is at a distance of 357 km from the state capital Bengaluru.

The city is situated on the west coast of the country. It is bounded by the state of Kerala at the south, Udupi district on the north, Bantwal Taluk on the east and Arabian Sea towards the west.The Western Ghats span

the city of Mangalore on its eastern side. It lies on the backwaters formed by the Gurupura River and Netravati river.

Mangalore derives its name from the local Hindu Goddess Mangaladevi. It developed as a port on the Arabian Sea – remaining, to this day, a major port of India. Lying on the backwaters of the Netravati and Gurupura rivers, Mangalore is often used as a staging point for sea traffic along the Malabar Coast.

Mangalore is spread over an area of 184.85 sq.km and houses about a population of approximately 8 lakhs. A rich history of trade coupled with industrial growth has led to the formation of dynamic civic and economic zones historically within the city core. In Mangalore, the people, culture and its festivals form an integral part of the city.

Mangalore is well connected by road, rail and air. It is accessed by National & State Highways (NH & SH). NH-17, NH-48 and NH-13 pass through the city which connect it with important cities such as Mumbai, Bengaluru, Sholapur, etc. International link is also established to gulf region of the Middle East. The Mangalore International airport is located near Bajpe around 20 km north-east of the city. Mangalore is a major all-weather harbour linked to other major national and international harbours. The harbour also links areas served by the inland transport facility in Netravathi and Gurpur Rivers. The Old Bunder (port) is a relatively small-scale freight and fishing harbour. New Mangalore Port is also an all-weather port situated at Panambur handling imports and exports.



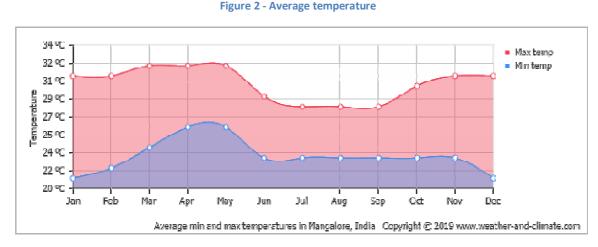
The topography of the city is plain up to 30 km inside the coast and changes to undulating hilly terrain sharply towards the east in Western Ghats. The city is characterized by highly undulating topography with laterite rock at many places. It has an average elevation of 22 m above mean sea level.

3.2 Climate

Mangaluru belongs to the tropical/ mega thermal zone and is under the direct influence of the Arabian Sea branch of the south- west monsoon.

Temperature

Mangaluru has a tropical climate; summer and winter months experience similar temperature conditions, with average temperature ranging from 27 deg C (81 deg F) to 34 deg C (93 deg F).



Source - www.weather-and-climate.com

Wind

Moderate to gusty winds occur during the day time and gentle winds at night. Winds are strong and are mainly westerly and south-westerly in the southwest monsoon months. In the rest of the year, winds are mainly from north-east in the fore-noon and westerly and north-westerly in the afternoon.

Precipitation

Mangalore receives about 90 per cent of its total annual rainfall within a period of about six months from May to October, while remaining relatively dry from December to March.

The annual precipitation in Mangalore is 4,242.5 millimetres (167 inches). Humidity is approximately 78 per cent on an average, and peaks during May, June and July. The maximum average humidity is 93 per cent in July and average minimum



humidity is 56 per cent in January. The relative humidity is generally very high reaching saturation levels during the summer period.

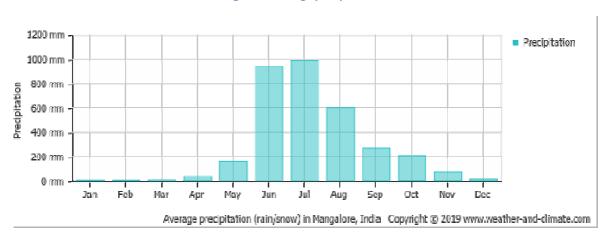


Figure 3- Average precipitation

Source - www.weather-and-climate.com

Wind Direction

From the month of January 2019 to December 2019, 38% of winds travels from east to west, whereas, 28% of winds travels from west to east. These have been considered as the prominent wind directions for the site.

Average Temperature of Mangaluru

The driest month is January. There is 0 mm of precipitation in January. With an average of 1143 mm, the most precipitation falls in July.

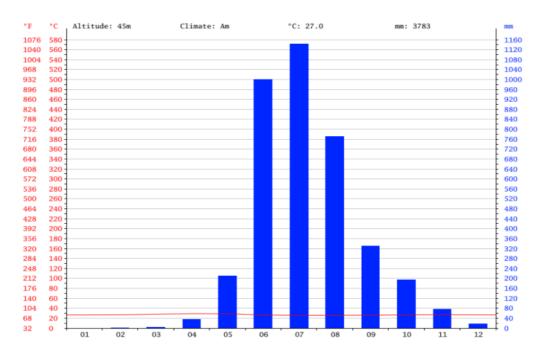


Figure 4 - Average Temperature



With an average of 29.1 °C, April is the warmest month. July has the lowest average temperature of the year. It is 25.7 °C.

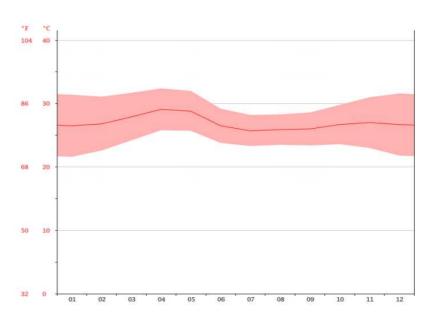


Figure 5 - Average Temperature

3.3 Demography and Sex Ratio

Mangalore is the highest populated town in Dakshina Kannada District with 22 per cent of the total district population residing in the town. About two-thirds of the district urban population and about half of the taluks urban population is concentrated in the town, making it the highest populated town in the taluk. The total population of Mangalore recorded as per Census 2001 was 419306, while in 2011 it was recorded as 499487. The population trend of Mangalore records the highest growth rate in the year 2011. The increase in population can be attributed to the increase in population of the outgrowths of Mangalore town.

Factor	Total	Male	Female
City +	499487	247903	251584
Outgrowths			
City Population	488968	242512	246546
Children (0-6)	43340	22323	21017

Table 1 - Census data

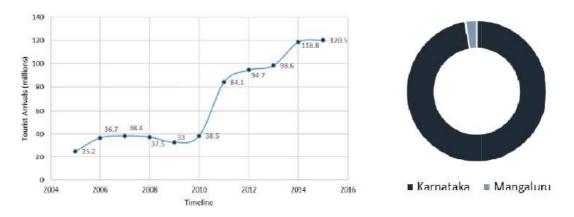
Source - MSCL / census2011.co.in

3.4 Tourism Demand

Karnataka state attracted a significant number of 119.86 million domestic tourists and 0.64 million international tourists in 2015. There is an increase in the tourist places and facilities provided which attracts the large tourist crowd. In spite of having such rich history and culture, Mangaluru hasn't reached its full potential in terms of Tourism.



Figure 6-Tourists numbers in Karnataka and in comparison to Mangaluru



Source - IBEF Karnataka Report March 2017 and AC Neilson Survey 2005-2006/MSCL

3.5 **Festivals of Mangaluru**

Mangaluru Dasara is considered as one of the biggest festival in Mangalore and stands second place after Mysore Dasara in state of Karnataka. The Ganesh Chaturthi festival is celebrated every year by erecting statues, worshipping them and immersing them in bodies. Kodial water Teru or Mangaluru Rathotsava (Mangalore Car Festival) is one of the major festivals of the GSB community, which celebrates the car festival of the Sri Source - Wikipedia Venkatramana Temple.

Figure 7-Shri Gokarnatheshwar Temple during Dasara





Source - Google Images/ Mangalore Today





Source - Google Images/ Times of India

Monti Fest is one of the major festivals of the Mangalorean Catholic community, celebrating the Nativity feast and the blessing of new crops. The Jain Milan, a the Jain families Mangalore, organise committee of of the Jain Food Festival annually with a view to bring together all the members of the Jain community.



People of all faiths participate in the Mosaru Kudike, which is a part of the celebrations to mark the Krishna Janmashtami festival.

Annual festivals are promoted during summer each year, to promote Karavali Utsav and Kudlostava which encourages the local cultural events.



4 SITE CONTEXT

4.1 Character of the Site

Mangaluru, being one of the prime cities in the state of Karnataka, is strategically located on the coast of the Arabian Sea. Mangaluru has always been a city of temples, with numerous temples located within close proximities. The city has a history of rich tradition and culture, which provided a sense of pride to the residents of Mangaluru.

Rapid urbanisation has lead to need of modernization over the years in this region. This has lead to construction of high-rise commercial and residential complexes which caters to the ever-increasing rise in population due to significant economic, technological and industrial development of the region.

The old core areas of the city, which provided this heritage character, started to be encroached upon. Buildings made from glass and steel replaced those which were constructed using vernacular materials. The character for which the city was known had slowly begun to disappear over the years.

One of these religious and cultural hotspots, the 'Car Street', stands as a prime example, which still holds onto the religious and cultural character for which this city was known. Along this stretch of around a kilometer a great variance in the architectural form can be seen. There are multiple temples and schools, retaining this old character, while lack of area specific development guidelines has resulted in creation of modern structures whose form and character is diametrically opposite to the ones which already existed.

Figure 7 - Flower Market



Figure 8 - Contrasting Architectural style



Figure 10 - Sharavu Temple road and Lower Carstreet



Source - MSCL

4.2 Regional and City Connectivity

The Car Street is located towards the north western part of the city. The lower Car Street terminates almost at the Gurupura riverfront, while the Sharavu Temple road terminates at the KS Rao Road. The Carstreet is a major connector road at city scale perspective. Major junctions and landmarks like PVS Circle, Mannagudda Circle, Hampankatta, Central Market etc., are located with close proximity of Carstreet. This area is always buzzing with commercial and religious activities.

Transport hubs like Mangaluru Central Railway Station, Service Bus-stand are situated very close to the site under consideration for the proposal. Carstreet also is connected by various roads of secondary class of varying widths.

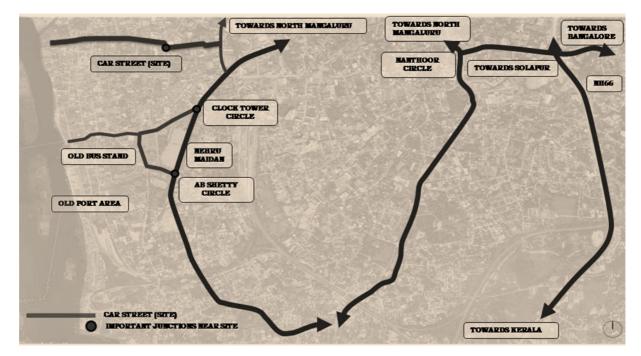


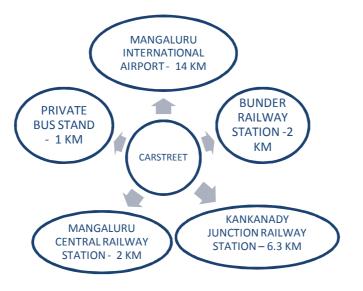
Figure 11- Site Surrounding

Source - Pailands Analysis



4.3 Site Context





Source - Google Maps/ Pailands Analysis

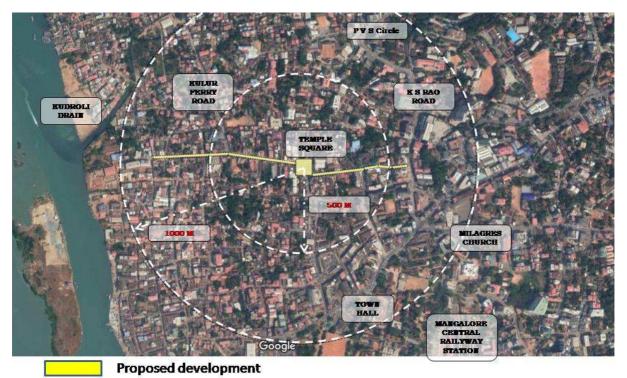
Carstreet is in close proximity to the Private Bus stand which is like the nerve centre of the local transportation network. Majority of the local residents rely on the bus transport to reach their workplaces and residences. Several buses ply between Mangaluru and nearby satellite cities and urban hubs on daily basis for students and workers benefit.

The tourist and general public rely on the train network connected to Central Railway station and Kankanady Junction railway station to travel near and far for business and tourism. The goods are transported via the Bunder railway station. Major source of tourist crowd from international destination is catered by the Airport and Port.

Many government infrastructure like Town Hall, Wenlock District Hospital, Lady Goshan Hospital etc., are also located in the close proximity. Entertainment and shopping infrastructure like City Centre mall, Excel Mischief Mall, are also with a range of 200 to 500 meters from the site under consideration.



Figure 13- Proximity Analysis



Source - Pailands Analysis

4.4 Landuse Analysis

Figure 14 - Landuse analysis as per Master Plan 2021



Source - MSCL/ MUDA

As per Masterplan 2021, Residential component of Land use is the principal component (36%), followed by Roads (26%) and Commercial (24%).

As per Master Plan 2021, the proposed width of the road is greater, hence the area under roads come to a considerable figure.

The existing and proposed Land uses are quite similar, though building wise usage differs considerably.



5 EXISITING SITY STUDY

5.1 Site Layout

Car Street is named after the Mangaluru Car Festival, which is popularly called as Kodial Teru in Dakshina Kannada region. It is held during the time of Magha Masa, specifically the Ratha Saptami period. This period is usually the last week of January or the first week of February. The festival has various religious activities spanned across the 6 days. It is a festival that is conducted at Sri Venkataramana Temple situated in the Temple Square. Similar festival is also conducted by Shri Mahamaya Temple within a month's time after the former's car festival celebration.

The proposed street heritage development is for a series of roads with a "town square" in the middle which extends from East to West, starting from K. S. Rao Road in the east through Sharavu Temple Road, Krishna Math Road, Temple Square and ending at Car Street (upper and lower portions) in the west.

The Carstreet is the widest road in the stretch which allows the major traffic movement. The lower Carstreet comes next in the hierarchy that allows major truck movement to and from Bunder area which is known for its wholesale businesses and is one of the major commercial hub on the city.

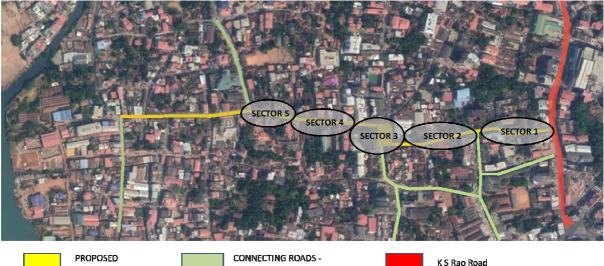


Figure 15 - Zoning of the Proposal

DEVELOPMENT

Source - Pailands Associates

The Sharavu Temple road starts from KS Rao road and terminates at the Temple Square. The Carstreet starts at the Temple Square and terminates at the Kulur Ferry road junction and Lower Carstreet starts at the Kulur Ferry road junction and ends at the waterfront.

Minor

The proposal has mention of 5 SECTORS , namely Sector 1 to 5 spanning from KS Rao Road to Carstreet at Kalikamba Temple Junction.

Parameters	Lower Car Street (Kulur Ferry Road Junction to Waterfront)	Car Street (Temple Square to Kulur Ferry Road Jn.)	Upper Car Street (KSR Road Jn. to Temple Square)
Total length of road	387.78 m	331.37 m	454 m
Min. Width	6.66 m (Narrow)	15.19 m (Wiđe)	7.54 m (Narrow)
Max. Width	12.29 m	22.91 m	14.59 m
Proposed ROW (As per MUDA Master plan)	24 m	18 m	18 m
Slope	2%	0.5%	2%
Type of Carriage Way	Bituminous	Bituminous	Bituminous
Existing land use	Commercial, Institutional and Residential (Interior parts), Mixed	Commercial & Institutional. Mixed	Commercial & Institutional, Mixed
Storm Water Drains	Not Continuous (On one side of road)	Continuous (On both sides of the road)	Continuous (On both sides of the road)
Electrical Utilities	Present (Overhead)	Present (Overhead)	Present (Overhead)
Pedestrian Footfall	Moderate	Heavy	Heavy

Figure 16 - Comparative parameters for analyzing street sections

Source - MSCL

5.2 **Observations and Analysis**

Observations and Analysis (Sharavu Temple Road)

- Right of Way is extremely narrow.
- > The Upper Car Street presently allows One-way traffic.
- > The land use observed along this street is commercial and institutional.
- > Electrical utilities are present overhead.
- Storm water drains are present on both the sides of the road but is not continuous in places.

Observations and Analysis (Car Street)

- > The Right of Way is quite wide & is one of the thoroughfares for bus routes.
- > The land use observed is commercial and institutional and mixed.
- Heavy pedestrian footfall is observed as the temple square is starting point for the Rath.
- > Temple square is present in front of the temple showcasing the giant Raths.
- > Parking is observed in the Temple Square.
- > Electrical utilities are present overhead.



□ Storm water drains are present on both the sides of the road, but their existing level is around one foot from the road top level.

Observations and Analysis (Lower Car Street)

- > Right of Way varies: In places it is wide while in places it is quite narrow.
- > The land use observed is commercial, institutional and mixed. But residences are observed in the interior parts.
- > Electrical utilities are overhead & Storm water drain is on one side of road.
- > At the end of Lower Car Street, tile factory is present which is defunct.
- Pedestrian footfall is high, but lesser as compared to the middle Car Street but quite more as compared to the upper car street.

Figure 18- Sharavu Temple and Ideal Towers



Source - MSCL

Figure 19- Carstreet



Source – Pailands analysis

Figure 20- Lower Carstreet





Source - MSCL

Figure 17- Sharavu Temple road





Figure 22 - View of Temple Square from Carstreet

Figure 21-Temple Square



Source - MSCL



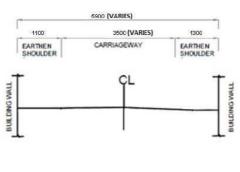
Source - MSCL

5.3 Existing Road Sections

Sharavu Temple Road

The Sharavu Temple road is the narrowest street in the proposal. The bituminous road has earthen shoulders with intermittent paving on sides. Drain is present on one side only. Carriageway is effectively around 3-3.5 m. This is used for one-way traffic only.



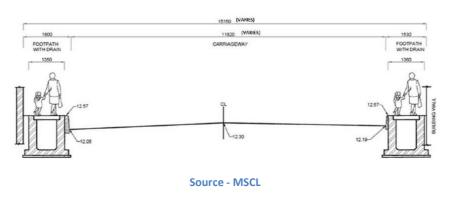


Source - MSCL

Carstreet

The central stretch of the proposal, Carstreet, is wide enough to accommodate up and down traffic. Presently, the road is bituminous in nature, while the footpath is integrated on top of the drain, which is raised by almost half a meter with respect to the top of the road. The road cambers on both sides.

Figure 24- Schematic section of the Carstreet

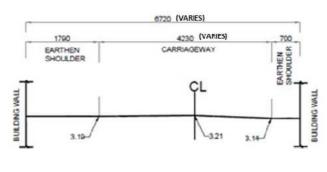




Lower Carstreet

This stretch is quite narrow when compared to Carstreet. The bituminous road has earthen shoulders and intermittent paving on sides. Drain is present on one side with effective width for carriageway to be around 4-4.5 m. This road has 2-way traffic. The movement of trucks is relatively a major contributor in traffic density.

Figure 25- Schematic section of Lower Carstreet



Source - MSCL

5.4 Building Mapping Analysis

The analysis is drawn in terms of building heights, building use and building typology.

Building Height Analysis

The Sharavu Temple road has mostly Ground and Ground+ 1 structures. Only few buildings are above the height of Ground +1. The Carstreet has buildings ranging from Ground to Ground +5 structures. Most of them are Ground+1 or Ground+2 high. The Lower Carstreet has buildings of Ground and Ground+1 height.

Figure 26- Building Height Analysis



Source - MSCL

Building Typology Analysis

It is found that buildings adjoining Carstreet has the following typologies : Apartments, detached and semi-detached houses, local/modern commercial/ institutional, temple, mosques and godowns. Out of these, local commercial/institutional forms the majority of building typology followed by modern commercial/institutional. The Lower Carstreet mainly has local commercial/ institutional while typology central and upper parts have modern commercial/institutional and temples as the major buildings typologies respectively.



Figure 27- Building Typology Analysis

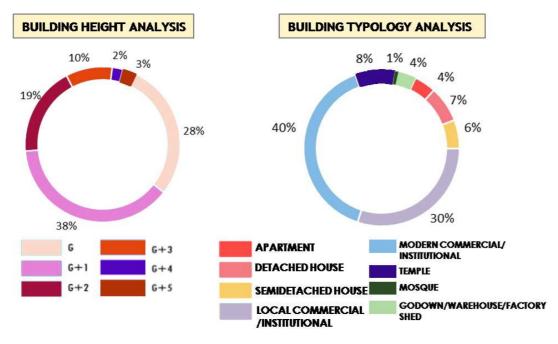


Source - MSCL

Comparison in the Building Analysis

The graphical analysis of the buildings are done below -





Source -MSCL

Table 2 - Section wise Analysis of the Proposal

Parameters	Lower Car Street	Car Street	Sharavu Temple Road	Overall
Major Building Use	Mixed	Institutional	Commercial	Mixed Use
Major Building Height	Ground + 1	Ground + 1 & Ground + 2	Ground, Ground + 1	Ground + 1
Major Building Typology	Local Commercial / Institutional	Modern Commercial / Institutional	Temples	Modern commercial / institutional



5.5 Existing Temple Analysis

The Car Street is known for its temples, which adds onto the cultural heritage of the street. There are multiple major and minor temples. There are around nine major temples observed along the Car Street stretch. The Venkatramana Temple located on the Temple Square is the most popular temple in the area with maximum footfall. As a part of the festival celebrations, rathas are pulled up and down the central Car Street. The location and list of temples are highlighted below:

 Image: Street
 Image: Street

 Image: Street
 CAR STREET

Figure 29- Location of Temples

Source - MSCL

Figure 30- List of Temples



Source -MSCL

Each of these temples has unique architectural characteristics & is dedicated to various Hindu Gods. These are characterized through per day and annual footfall of devotees. This is highlighted in the table below:



Table 3- Details of Temples

Name	Community Associated with Deity	Average Daily Footfall	Festival time average daily footfall	Availability of Parking Space
Shree Sharavu Mahaganapathi Temple	Brahmin	500	50,000	Yes
Shree Kathyayani Temple		Temp	le House	
Umamaheshwara Temple	Saraswath Brahmin	75	>2,000	No
Shri Venkataramana Temple	Gowda Saraswath Brahmin	500-1000	>50,000	No
Kudtheri Shree Mahamaya Temple	Gowda Saraswath Brahmin	300	2,000	No
Shree Saunsthan Gokarna Parthagali Jivothana Math	Gowda Saraswath Brahmin	200	700	Yes
Shree Kaliya Mardana Krishna Mahalasa Narayani Temple	Temple House			
Shree Kalikamba Vinayaka Temple	Vishwa Brahmin	50-100	2,000	Yes

Source - MSCL

Figure 31 - Car Festival of Sri Venkataramana Temple



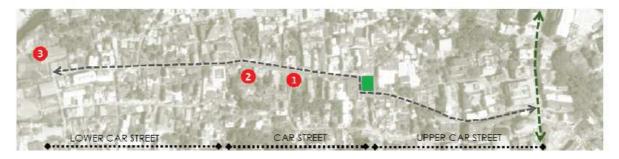
Source - Google Images



5.6 Existing Heritage Building Analysis

The Car Street houses several old buildings which hold a considerable heritage value. Most of these buildings are in a dilapidated state. While some of these have been categorized and listed as a heritage structure there are some which does not have the heritage status. Despite the categorization, these buildings hold a significant cultural value and provide the identity to the street.

Figure 32 - Existing Heritage Buildings on the street



Source - MSCL

Figure 33- Photographs of existing heritage buildings



Source - MSCL

Figure 34 - Existing non-heritage buildings





5.7 Existing Road Lane Analysis

The variation in the number of lanes along the entire stretch of Car Street is huge. The major part of the upper Car Street is extremely narrow. The number of lanes for most part is one, while towards the end two lanes can be accommodated. The central section of the Car Street is wide enough to accommodate the existing three lanes, though the lane widths are presently not defined.

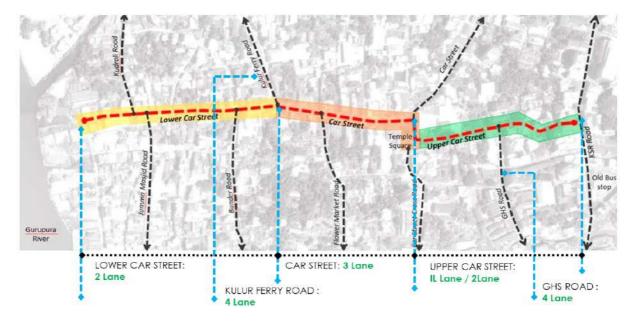


Figure 35 - Road lane analysis

Source - MSCL

The lower Car Street is narrow, but not as narrow as the upper Car Street. For most of the section space for one and half lane is existent, which widens to two lanes and even narrows down to one lane in places. The existing lane mapping is shown in the following figure.

5.8 Analysis of Existing Road Sections

The following sections have been cut at different locations across various sections of Car Street. The sections highlight the variation in Right of Way and carriage widths and reflect the existing form along the stretch.

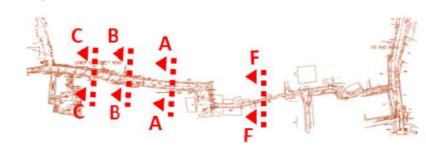
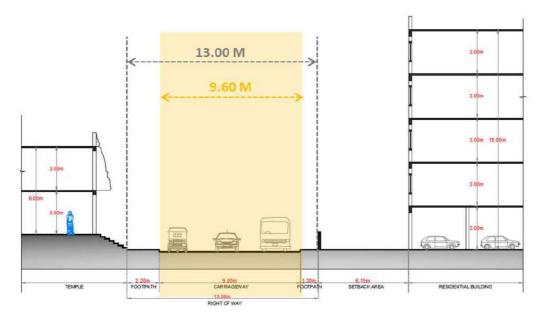


Figure 36 - Plan showing Section lines



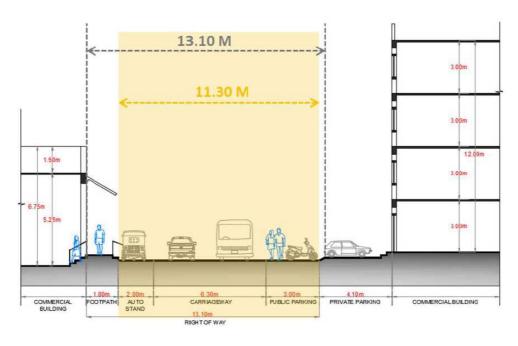
Figure 37- Section AA





The above section shows the existing right of way to be around 13 meters, while the effective carriageway to be 9.6 meters. This section has been drawn through the new developments having residential land use. It is also seen that the carriageway is wide enough to accommodate three lanes for up and down traffic. Also, the buildings along the road edge have a raised plinth and are accessed through a series of steps.

Figure 38 - Section BB





The right of way in this section of the street is similar to the above section as this is a part of the similar stretch. The carriageway however varies and is round 11.3 meters. Along this particular section, some vehicles are usually parked. The access to the flower market is through an elevated footpath adjoining the auto stand. The footfall is usually high due to the presence of the flower market.

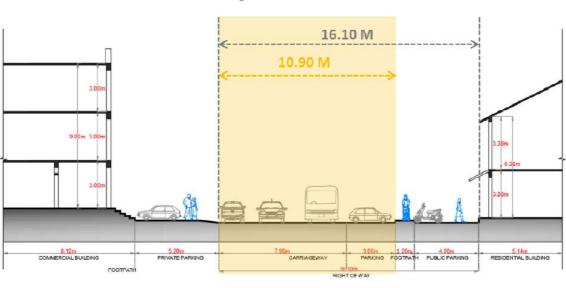
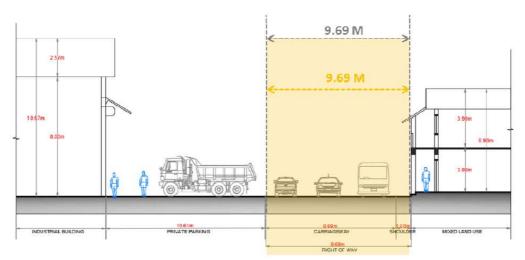


Figure 39 - Section CC

The above section shows the right of way to be the widest at 16.10 meter, which takes the carriageway, footpath, parking and public parking into consideration. Out of this total width, the effective carriageway and a layer of parking come to around 11 meters. The carriageway presently accommodates 3-way traffic.



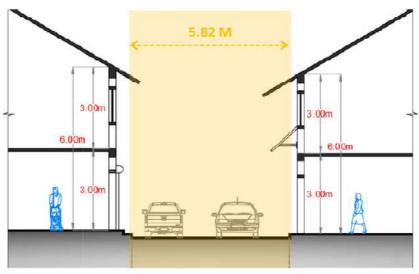


Source - MSCL



This section is through the lower Car Street, where the width of the street drastically reduces as compared to the central Car Street. The buildings start almost on the road edges which make the right of way equal to the extended carriageway, which includes the shoulder. It is to be noted that the building line is not straight, which results in non - uniform carriageway.

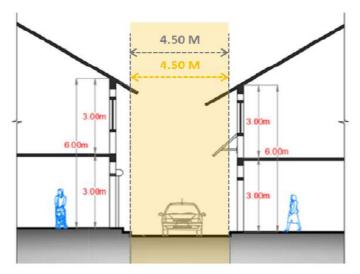




Source - MSCL

This section is drawn through the extreme end of the lower Car Street, where the street gets very narrow. The width of the carriageway and right of way gets below 6 meters and it gets difficult for the up and down traffic to pass together. The projections from the top of buildings project onto the streets.







The section across the Sharavu Temple road shows the extremely narrow cross section, which provides access to large buildings. The main carriageway is less than



three meters in width in places, while there are narrow shoulders on both sides. Due to this , the road supports only one-way traffic, which flows from the direction of Temple Square to KS Rao road.

5.9 Temple Square - Analysis

The Temple Square is the major junction which connects the central and upper Car Streets. Other smaller streets also terminate on this square. Adjoining to the Temple Square is the Venkatramana Temple, which acts as a major religious hub for the people in the city. During the festive season, this square is used for parking the rathas and act as a place for congregation. The traditional value attached to this junction is immense.

As the area surrounding the Temple Square is primarily commercial, with small shops and business establishments and predominantly due to the unavailability of parking spaces, this area is used for parking of vehicles all-round the year. There is an existing auto stand on one side of this square. Two large trees are present in the square, which holds a significant cultural value to the people.

Presently, the Temple Square does not serve the purpose for which it was built, except during the festival season. It was built with notion of creating a large public space, right in the centre of the city, which can be used by the people for social and cultural interaction. With the modern-day developments in the area, this whole purpose has been defeated.







Figure 44- Views from adjacent streets



Source - MSCL

After analyzing the present situation of the Temple Square, several problems were identified and are stated below:

1. The main entrance of the Venkatramana Temple is located directly on the street in front of the temple. There is no buffer or lobby that leads to the temple, thereby creating conflict points between the incoming traffic and pedestrian movement. There is an increase in commotion around that point.

2. Pedestrians and devotees have to walk on the street to approach the main entrance of the temple as there is no footpath. Hence, the pedestrian safety is compromised.

3. There are a few narrow streets with 2-way traffic movement that leads onto this square. The carriageway width is not enough for both the vehicles to pass side by side causing a traffic chaos.

4. As already stated, the central plaza is used for parking for most of the time during the year. The plaza was built for cultural interaction between the people and parking in this area defeats this whole purpose.



5. There is an auto stand towards the northwest side of the plaza. This further reduces the width of the carriageway, leading to an unsafe vehicular movement and creates occasional traffic snarls.

6. The sides of the road are used for unauthorized parking. People visiting and working in the local commercial establishments tend to park their cars and 2 wheelers along the sides of the road. The overall carriageway increases considerably due to this.

7. There are quite a few hawkers around this square. There are no defined hawking zones and the hawking scenario is disorganized. The footfall in these shops is quite high and since most of these are located on the sides of streets, people tend to walk on the streets & their safety is compromised.

8. The road and footpath edges are not defined, with too much area under shoulders. Also, lane markings are absent. This creates non uniform carriageways, leading to uncontrolled vehicular movements, especially around the corners of the junctions.

9. There is a considerable level difference between the existing drain on the side of the road and the top level of the existing road. This is visible throughout the length of the central Car Street. This difference is slightly less than two feet, which is very high & compromises on pedestrian safety.

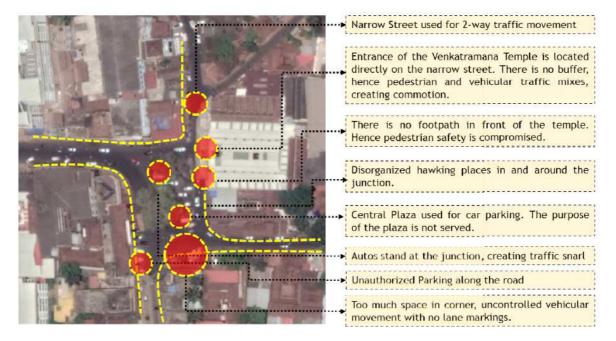


Figure 45 - Design Problems in Temple Square



6 TRAFFIC ANALYSIS

6.1 Existing Mobility Plan

Presently, the central section of the Car Street allows 2-way traffic. The traffic mainly flows from the southern extension of the Car street and moves onto the Kulur Ferry Road. Though the Lower Car Street is narrow, it supports 2-way traffic movement. All roads which lead to and from the lower and central sections of the Car Street support 2-way traffic flow. The upper Car Street, on the other hand supports one-way traffic. This is due to the fact that this section is too narrow to accommodate traffic from both directions. The temple Square is the central plaza where the Central and Upper Car Street meets along with a few 2-way narrow roads. To supplement the one-way traffic flow along the upper Car Street, traffic flows in the opposite direction along the PM Rao Road and GHS Cross Road, by the side of the Verda Saffron, creating traffic loop.

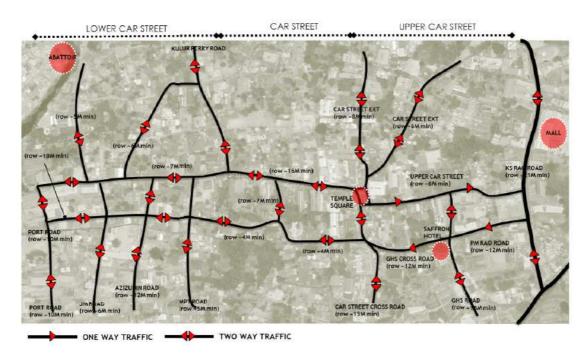


Figure 46- Existing Mobility Plan

Source - MSCL

6.2 Existing Transport Infrastructure and Bus Routes

The Car Street caters to the movement of a considerable volume of traffic, which includes buses, 4-wheelers, auto rickshaws and 2 wheelers. A number of buses take the route along the car street for daily commute. Buses travelling on 8 routes take this street for up and down movement. The bus numbers commuting daily are: 1, 1B, 7, 13, 13A, 16, 16A & 31B. All these buses originate at the State bank bus stop (Old Bus Stand) and a single bus stand is located towards the western end of the central



Car Street and goes by the name of 'Car Street Stop'. Auto rickshaw stands are present in two locations.

Figure 47 - Location of Bus Stops





6.3 Modal Split

A modal split (also called mode-share) is the percentage of travellers using a particular type of transportation or number of trips using said type. In other words, modal split involves separating the trips from each origin to destination zone into distinct travel modes (e.g., walking, bicycle, driving, train, bus). The number of people using two wheelers as their preferred mode of transportation is much higher as compared to any other modes combined. This may be primarily due to the flexibility and untimely arrival of buses at a particular location.

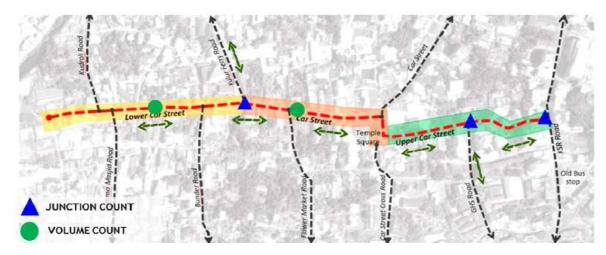
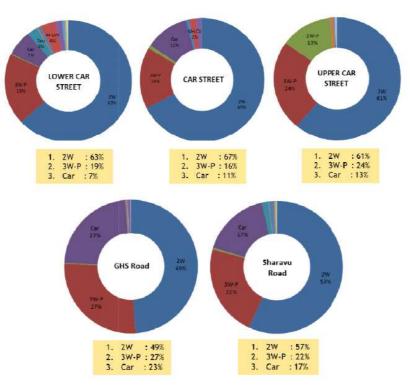


Figure 48 - Locations for traffic count to determine modal split

Source -MSCL







Source - MSCL



7 STAKEHOLDER ANALYSIS

As with any other urban level projects, Car Street also has several stakeholders. These stakeholders may be categorized as owners and users, based on either property held or the type of property usage. List of stakeholder types are given in the following table:

Table 4 -Stakeholders- Owners

SL.No	Stakeholders - OWNERS
1	Shop Owners
2	Jewellers Associations
3	Auto Rickshaw Driver's associations
4	School owners - Government Girls College
5	College owners - Government First Grade College Mangalore Car Street
6	College owners
7	Temple trustees – All temples along Car Street
8	Tile factory owner – Sujirkar's Tile Factory

Source - MSCL

Table 5 - Stakeholders - Users

SL.No	Stakeholders - USERS
1	Students
2	Working class: shop owners, workers in the shops, teachers / professors and factory workers
3	Residents
4	Hawkers
5	Visitors / Tourists

Source -MSCL



8 **DESIGN PROPOSAL**

8.1 Design Vision

The vision of development is to revitalize and redevelop the Car Street into a street with heritage value, which will be cherished by the community. The objective is to redevelop the proposed stretch of road with infrastructure development for vehicular and pedestrian movement, underground utility services and add aesthetic elements to enrich the heritage value.

8.2 Design Strategies

For the redevelopment of Car Street, the following strategies can be adopted:

• **Creating a Destination**: Car street has high levels of commercial activity is observed along the Street. The main strategy in designing this street is creating it a destination worth visiting and not just a through-way.

• Universal Accessibility: This Street experiences high levels of pedestrian and vehicular footfall and needs to be designed for all modes of transport equally. Pedestrian safety and accessibility to all becomes one of the key elements of design.

• Introducing Historic Streetscape Character: Improvements to include elements such as special paving, street furniture and design guidelines for the heritage buildings. Public safety to be well designed and sign boards to be placed such that it adds a sense of purpose and activity while reducing the visual clutter.

• Integration of Pedestrian and Vehicular Movement: Pedestrian and vehicular movement to be integrated as a part of the design proposal.

There is a need of formation of a Heritage Management Committee within the MCC to scrutinize all the development happening around the heritage precinct.

8.3 Design Proposal - Concept

It is proposed to ADD a minor heritage characteristics to the street scape of Temple Square, Car Street and certain approach roads through the use of traditional styled street lighting, furniture and select design interventions.

This will be done above the road, pavement and infrastructure developed by MSCL as a separate project.

The proposed street heritage development is for a series of roads with a "town square" in the middle which extends from East to West, starting from K. S. Rao Road



in the east through Sharavu Temple Road, Krishna Math Road, Temple Square and ending at Car Street (upper and lower portions) in the west.

Each of these streets has different physical and traditional characteristics. They are also of different available spaces, road widths, neighborhood buildings, land uses and urban facility needs. For example, the Temple Square section has the main Venkataramana Temple and is a "town square" with adjoining streets. All others are streets having varying widths and characteristics. Due to this, the design requirements of different areas of the development vary from one another.

Considering this as an urban design parameter, it is proposed to divide the length of the road for development into six sections. Each section will be designed separately, but using a common set of design elements and templates. This will enable us to treat each section differently while using the same general heritage character and design language.

It is proposed to provide traditional /vernacular styled street lighting, street furniture, paving, handrails and walls in these sections thereby affecting a traditional character to the public components of the street, while not affecting the privately held buildings and spaces.

The sections (marked as Sector 1-5 in the drawings) are as below:

1. Sharavu Temple Road: Extending from K. S. Rao Road upto junction of Hotel Vimalesh

2. Krishna Math Road: From Vimalesh Hotel junction to Temple Square

3. Temple Square: With Krishna Math road on the South East corner and the Car Street (upper) on the North West corner.

4. Upper Car Street 1: From Gokarna Math to Flower Market point.

5. Upper car Street 2: From Flower market point to Kuloor Ferry Road Junction



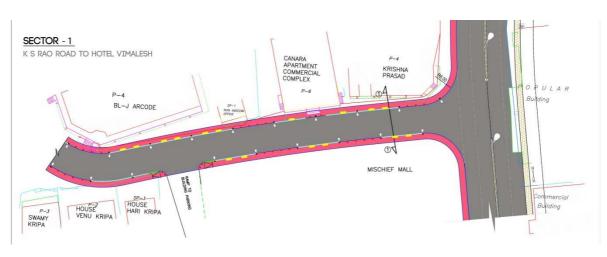
8.4 Design Proposal - Features

The basis of design based on the location along the stretch of Car Street. Urban design features suitable for the stretch forms the part of the design.

The basis of design based on the location along the stretch of Car Street. Urban design features suitable for the stretch forms the part of the design.

Sector 1 - Sharavu Temple Road

Figure 50 - Plan - Sector 1-A



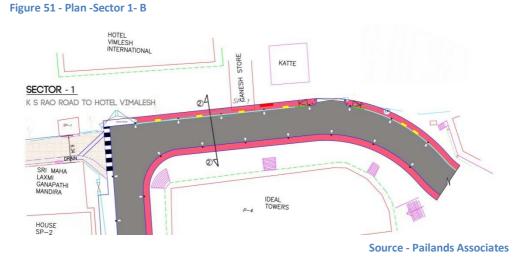
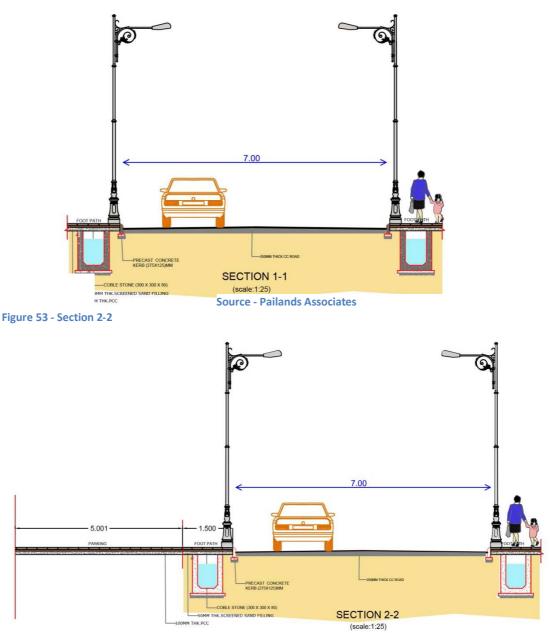




Figure 52 - Section 1-1



Source -Pailands Associates

Design Components of Layout Plan

- 1 Streetlight
- 2 Benches
- 3 Railing/Bollard
- 4 Street signboards

This road, due to its narrow width, presently supports a one-way traffic flow. A similar traffic flow is maintained in the proposed design. The carriageway width has been maintained at 6.25- 6.5 meters with pedestrian walkways of 1. 95 meters



approximately designed on both sides of the carriageway. The road will be a cement concrete one and interlock footpath with provision for streetlights and street furniture will be given at a height of 20 cm from Road finish level.

Sector 2 - Krishna Math Road

Figure 54- Plan - Sector 2 - A

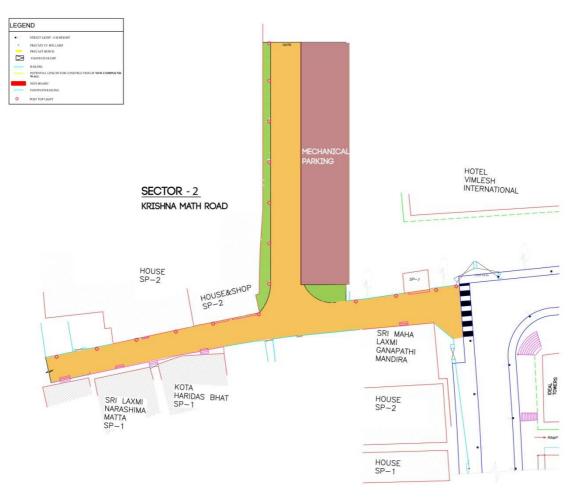
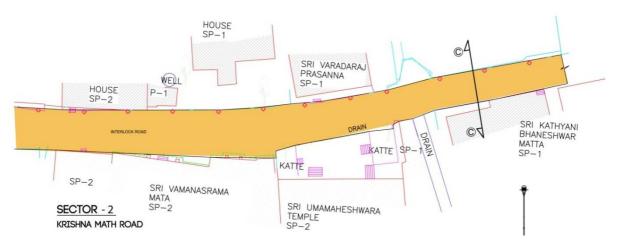
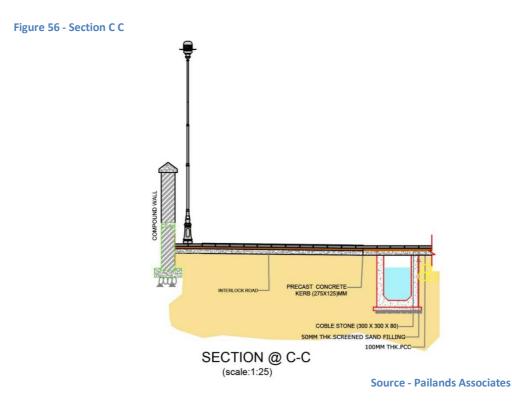




Figure 55 - Plan - Sector 2-B



Source - Pailands Associates



Design Components of Layout Plan

- 1 Interlock Road
- 2 Streetlight
- 3 Compound wall works
- 4 Street signboards

This road, due to its narrow width, presently supports a one-way traffic flow. A similar traffic flow is maintained in the proposed design. The carriageway width has been



maintained at 3.5 meters with pedestrian walkways of minimum 1.5 meters designed on both sides of the carriageway. The road will be an interlock road .

Sector 3 - Temple Square



Design Components of Layout Plan

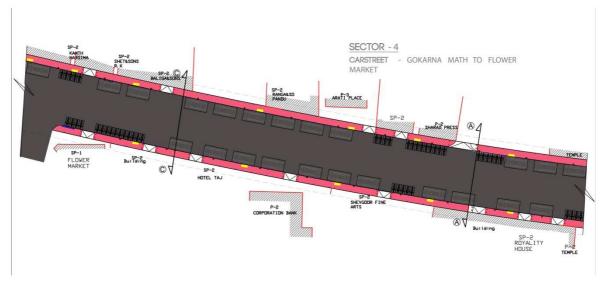
- 1 Interlock Road
- 2 Streetlight and High Mast
- 3 Benches
- 4 Bollards/railings
- 5 Compound wall finishing
- 6 Street signboards
- 7 Shade roof installing

This sector has the major plaza with parking facilities and heritage elements installed. The plaza will be made of interlock pavers.

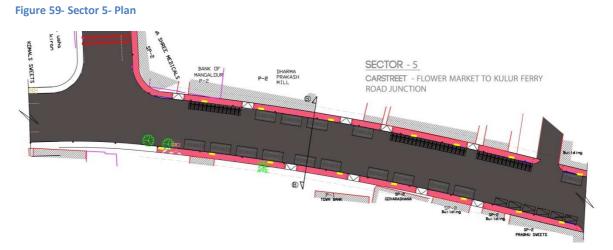


Sector 4, 5 - Carstreet

Figure 58 - Sector 4- Plan



Source - Pailands Associates



Source -Pailands Associates

Design Components of Layout Plan

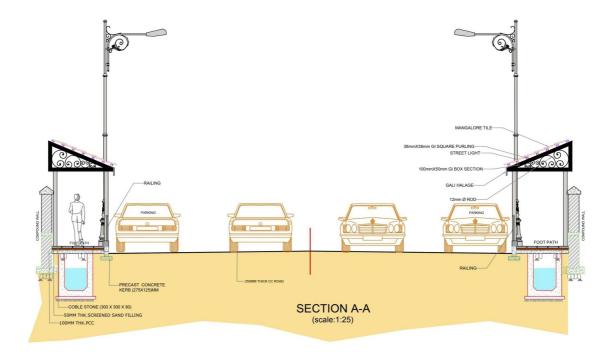
- 1 Streetlight and High Mast
- 2 Benches
- 3 Bollards/railings
- 4 Compound wall finishing
- 5 Street signboards
- 6 Shade roof installing

The 12 M wide road will allow 2.5 m width for 180 degree car parking on both sides and two 3.5 m wide lanes will cater for the vehicular movement. Shaded roof all



along the long topped with Mangalore Tiles will add the heritage character to the street. Street furniture and laterite cladded wall will complement for the aesthetics.

Figure 60- Section A-A



Source - Pailands Associates

Figure 61- Section B-B

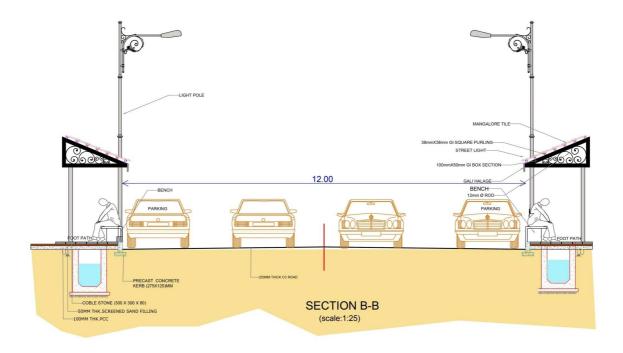
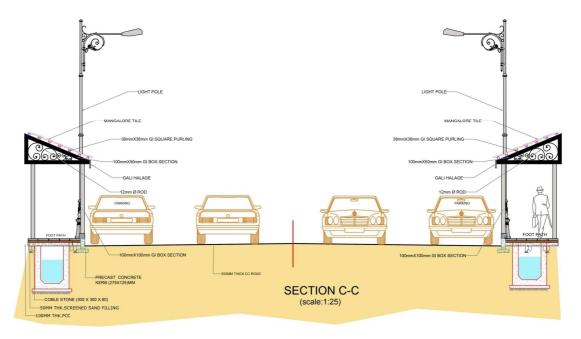




Figure 62 - Section C-C



Source - Pailands Associates

8.5 Aesthetic Features

Figure 63 - View from K S Rao road





Figure 64 - View from Ideal Towers



Source - Pailands Associates

Figure 65 - View from Kathyayani Math





Figure 66 - View of parking area in Temple Square



Source - Pailands Associates

Figure 67 - Bird's Eye View of the Parking area in Temple Square





Figure 68 - View of Carstreet



Source - Pailands Associates



Figure 69 - View of Roofing and Laterite Cladded wall



ESTIMATE AND DRAWINGS



	Name of work: PROPOSED "RETROFITTING/REDEVELOPMENT OF CAR STREET AND	AREAS OF
	SRI VENKATRAMANA TEMPLE AS RELIGIOUS ZONE" GENERAL ABSTRACT	
	them of Work	Amount
SI.No	Item of Work	Amount
	A. CIVIL -SoR Items	
1	Fabrication and erection of roof over pavement	65,20,861.00
2	Providing Highmast Lighting poles , Lighting Luminaires and Cabling	24,94,992.00
3	Providing RCC foundation and erection of Electrical poles	32,27,993.00
4	Decorative Finishing of select Compound walls	25,66,206.00
5	Providing and fixing of Sign boards for Heritage Character only(Non- Road side)	90,750.00
6	Beautification of Temple Tree Katte	99,284.00
7	RCC foundation for Cast Iron Railings and MS Bollards	1,37,285.00
8	Removal and reconstruction of façade treatment as required in the road widening	7,35,483.00
9	Providing Interlocking for Temple Square	11,37,271.00
	Total	170,10,125.00
	B. Non SoR Items	
1	Providing Precast CC Items	11,88,000.00
2	Supplying of Cast Iron Decorative Streetlight Poles	150,45,250.00
3	Providing granite carving for Katte finishing	8,58,037.00
4	Supplying of Mangalore Roof tiles	8,95,540.00
5	Supplying of MS Bollards	2,08,200.00
6	Providing Cast Iron + SS railings	43,70,875.00
7	Supplying of Eaves Board	4,92,500.00
	Total	230,58,402.00
	TOTAL (A+B)	400,68,527.00
	Contingencies @ 3 %	12,02,056.00
	Price Escalation Charges and Tender Premium @ 5 %	20,03,427.00
		20,03,427.00
	GST @ 12 % (CIVIL-SoR Items)	20,41,215.00
	GST @ 18% (Non SoR Items)	41,50,513.00
	MISCELLANEOUS AND ROUNDING OFF	34,262.00
	GRAND TOTAL	495,00,000.00

Assistant Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru General Manager Technical MSCL Mangaluru



	Description of work	No	L	В	D	Quantity	Rate	Amount
						-		
	KSRRB M200-12.3. Dismantling of existing st		, ,	0		1 0		
	cement concrete, wood work, steel work, in disposal of unserviceable material and stackir						ed material,	
1	i) Lime/Cement concrete I. By manual means.	•	material with	an mis com	biete do per t	specifications.		
	C. Prestressed/Reinforced cement concrete g		MORTH Spec	cification No	. 202			
	S.R Item No 18.19 Page 139 For RCC structure							
	Sector 5	1	8			8.00	1747.90	13,983
						Cum		,
	Basic rate	1589.00						
	Add 10% for Malnad area works	<u>158.90</u>						
	Total	<u>1747.90</u>	/Cum					
	KSRRB M200-12.1. Dismantling of existing st	ructure like culvert	s bridaes ret	aining walls	and other st	tructure comprising	of masonry	
•	cement concrete, wood work, steel work, in							
2	disposal of unserviceable material and stacking							
	S.R Item No 18.17 Page 139							
	For masonry					1		
	Sector 5	1	7			8.00		
					Say	8.00	499.40	3,995
	Basic rate	454.00				Cum		
	Add 10% for Malnad area works	45.40			-			
	Total	<u>499.40</u>	/Cum		-			
	KSRRB M200-32. Removal of Telephone/ Ele	etric poles includi	n excavation	and dismar	atling of found	dation concrete and	lines under	
2	the supervision of concerned department, dis	•	•		•			
3		posar with an ints	and stacking	the service			a separatery	
	complete as per specifications. S.R Item No 18.57 Page 141		1		1			
	Electrical poles	20				20.00		
	Telephone	10				10.00		
					say	30.00	238.70	7,161
	Basic rate	217.00				Nos.		
	Add 10% for Malnad area works	<u>21.70</u>						
	Total	<u>238.70</u>	/nos		-			
	KSRRB M200-29. Dismantling old barbed wir	e fencina / wire m	esh fencina ir	ncludina pos	ts. foundatio	n concrete. back fil	ling of pit by	
4	manual means including disposal of dismantl		•	• ·			• • •	
4	separately complete as per specifications. MC			loning solvic				
	SR Item No 18.54, Page No 141	In a specification	1110.22					
	Existing fence	1	20.00			20.00		
					Say	20.00	72.60	
								1,452
						m		1,452
	Basic rate	66.00						1,452
	Add 10% for Malnad area works	<u>6.60</u>						1,452
								1,452
	Add 10% for Malnad area works Total	<u>6.60</u> 72.60	/m	of 50 metre	s including d	m		1,452
5	Add 10% for Malnad area works	<u>6.60</u> 72.60	/m	of 50 metre	s including of	m		1,452
5	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin	<u>6.60</u> 72.60	/m	of 50 metre	s including o	m		1,452
5	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers	<u>6.60</u> 72.60	/m hin a radius o	of 50 metre	s including of Say	m		
5	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269	6.60 72.60 g the material wit	/m hin a radius o 50.00	of 50 metre		cost of materials, I	abour, HOM	
5	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate	6.60 72.60 g the material wit 1 74.00	/m hin a radius o 50.00	of 50 metre		cost of materials, I	abour, HOM	
5	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works	6.60 72.60 g the material wit 1 74.00 7.40	/m hin a radius o 50.00	of 50 metre		cost of materials, I	abour, HOM	
5	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate	6.60 72.60 g the material wit 1 74.00 7.40	/m hin a radius o 50.00	of 50 metre		cost of materials, I	abour, HOM	
	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works	6.60 72.60 g the material wit 1 74.00 <u>7.40</u> 81.40	/m hin a radius o 50.00 /Sqm		Say	m cost of materials, I 50.00 Sqm	abour, HOM 81.40	4,070
5	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works Total	6.60 72.60 g the material wit 1 74.00 <u>7.40</u> 81.40	/m hin a radius o 50.00 /Sqm		Say	m cost of materials, I 50.00 Sqm	abour, HOM 81.40	
	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works Total Dismantling stone slab flooring laid in ceme	6.60 72.60 g the material wit 1 74.00 7.40 81.40 81.40 5.25, Page no. 260	/m hin a radius o 50.00 /Sqm ng stacking o		Say	cost of materials, I 50.00 Sqm and disposal of u	abour, HOM 81.40	
	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works Total Dismantling stone slab flooring laid in ceme material within 50 metres lead.	6.60 72.60 g the material wit 1 74.00 7.40 81.40 81.40	/m hin a radius o 50.00 /Sqm ng stacking o		Say	m cost of materials, I 50.00 Sqm and disposal of un 120.00	abour, HOM 81.40	4,070
	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works Total Dismantling stone slab flooring laid in ceme material within 50 metres lead.	6.60 72.60 g the material wit 1 74.00 7.40 81.40 81.40 5.25, Page no. 260	/m hin a radius o 50.00 /Sqm ng stacking o		Say	cost of materials, I 50.00 Sqm and disposal of u	abour, HOM 81.40	4,070
6	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works Total Dismantling stone slab flooring laid in ceme material within 50 metres lead. CPWD Delhi SR 2018 , Vol. 2 , SR Item no. 1	6.60 72.60 g the material wit 1 74.00 7.40 81.40 81.40 5.25, Page no. 260	/m hin a radius o 50.00 /Sqm ng stacking o 120.00	of serviceab	Say	m cost of materials, I 50.00 Sqm and disposal of u <u>120.00</u> Sqm	abour, HOM 81.40 nserviceable 190.30	4,070
	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works Total Dismantling stone slab flooring laid in ceme material within 50 metres lead.	6.60 72.60 g the material wit 1 74.00 7.40 81.40 81.40 5.25, Page no. 260	/m hin a radius o 50.00 /Sqm ng stacking o 120.00	of serviceab	Say	m cost of materials, I 50.00 Sqm and disposal of u <u>120.00</u> Sqm	abour, HOM 81.40 nserviceable 190.30	
6	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works Total Dismantling stone slab flooring laid in ceme material within 50 metres lead. CPWD Delhi SR 2018 , Vol. 2 , SR Item no. 1	6.60 72.60 g the material wit 1 74.00 74.00 7.40 81.40 81.40 5.25, Page no. 260 1 9.25, Page	/m hin a radius o 50.00 /Sqm /Sqm 120.00 120.00	of serviceab	Say	m cost of materials, I 50.00 Sqm and disposal of u <u>120.00</u> Sqm	abour, HOM 81.40 nserviceable 190.30	4,070
6	Add 10% for Malnad area works Total Dismantling Mangalore tiles roof and stackin complete as per specifications - with reepers SR Item No 37.42.1, Page No 269 Basic rate Add 10% for Malnad area works Total Dismantling stone slab flooring laid in ceme material within 50 metres lead. CPWD Delhi SR 2018 , Vol. 2 , SR Item no. 1 Dismantling roofing including ridges, hips, vall	6.60 72.60 g the material wit 1 74.00 74.00 7.40 81.40 81.40 5.25, Page no. 260 1 9.25, Page	/m hin a radius o 50.00 /Sqm ng stacking o 120.00 c., and stackir 60	of serviceab	Say	m cost of materials, I 50.00 Sqm and disposal of u <u>120.00</u> Sqm	abour, HOM 81.40 nserviceable 190.30	4,07(



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
51.INO.	Dismantling roofing including ridges, hips, valleys							Amount
8	Cement Sheet	and guillers	elc., and sla	cking the ma	alenai wilinii	50 metres reau	UI. ASDESIUS	
-	CPWD Delhi SR 2018 , Vol. 2 , SR Item no. 15.28.2	Page no 2	60				1	
-	OF WD Defin Sit 2010, Vol. 2, Sit item 10. 13.20.2	1., r age 110. 2			1	75.00	56.90	4267.50
		· · · ·	75.00		ł		50.90	4207.30
			ł		ł	Sqm		
	Dismantling steel work in single sections including	dismomborir	a and stackir	na within 50 r	notros load in	n: Channels, and	les tees and	
9	flats	aismembern		ig within 50 i	netres lead in		103, 1003 4114	
-	CPWD Delhi SR 2018 , Vol. 2 , SR Item no. 15.17.2	Page no 2	50				1	
-	OF WD Defin Sit 2010, Vol. 2, Sit item 10. 13.17.2	2, 1 age 110. 2	1000.00		1	1000.00	1.70	1700.00
-		1	1000.00		1	kg		1700.00
-			-		-	ку		
-	KSRRB M200-6.2 Cutting of trees girth from 600m	um to 900mn	including cu	utting of trunk	s branches	and removal of s	tumos roots	
			-	-				
10	stacking of serviceable materials with all lifts and	upto a lead	of 1000m a	nd earth fillin	ig in the dep	ressions/pit, com	plete as per	
	specifications. MORTH Specification No.201							
	S.R Item No 18.7 Page 138							
		2				2.00		
					Say	2.00	1134.10	2,268.20
						Each		
	Basic rate	1031.00						
	Add 10% for Malnad area works	<u>103.10</u>						
	Total	<u>1134.10</u>	/Each					
	KSRB 2-2 : Earthwork excavation by Manual mea	ans for found	dation of buil	dings, water	supply and	sanitary lines a	and electrical	
	conduits either in pits or in trenches 1.5m and abo	ve in width,	in soil not e	xceeding 1.5	m. in depth	including dressin	g the bottom	
11	and sides of pits and trenches, stacking the excava			-	-	-	-	
				or executation	mar load up		g broaking of	
-	clods complete as per specifications. specification.	NO. KB5 2.1	(a) / 2.3.5	1	1	1	1	
	For vertical box section							
	Sector 3	07	0.45	0.45	0.5	0.70		
-	At road side	27		0.45				
-	At compound wall side	27	0.45	0.45	0.5	2.73		
-	Sector 4		0.45	0.45	0.5	5.57		
-	At road side	55		0.45				
	At compound wall side	55	0.45	0.45	0.5	5.57		
-	Sector 5	54	0.45	0.45	0.5	5.40		
	At road side	51		0.45				
	At compound wall side	51	0.45	0.45	0.5			
-			-		Sav	26.93 28.00	Cum	
	In Ordinany Sail 100%		ł		Say	20.00	Cum	
	In Ordinary Soil 100% S.R. Item No. 2.3 Page 6		28.00	x	1	28.00	328.90	9,209.20
-			20.00	~			020.00	0,200.20
-	Basic rate	299.00			1	Cum		
-	Add 10% for Malnad area works	299.00			1			
	Total	328.90			1			
	Total	320.90	Jouin		-			
	KSRB 4-1.2 : Providing and laying in position plair	coment cor	crete of mix	1·3·6 with O	PC @ 220 kg	l ns with 40mm ar	nd down size	
					-			
12	graded granite metal course aggregates @ 0.892 c							
	exceeding 15 cms. thick, well compacted, in fou	indation incl	uding cost o	f all materia	lls, Iabour, H	IOM curing com	plete as per	
	specifications. Specification No. KBS 4.1, 4.2							
	S.R. Item No. 4.2 Page 13							
	For vertical box section							
	Sector 3							
	At road side	27	0.45	0.45	0.1	0.55		
	At compound wall side	27		0.45				
	Sector 4							
	At road side	55	0.45	0.45	0.1	1.11		
	At compound wall side	55		0.45				
	Sector 5							
	At road side	51	0.45	0.45	0.1	1.03		
	At compound wall side	51		0.45				
						5.39		
					Say	6.00	6175.40	37,052.00
	Basic rate	5614.00				Cum		
	Add 10% for Malnad area works	561.40						
	Total	<u>6175.40</u>	/Cum					



CI No.	Departmention of work	Na		P			Data	Amount
SI.No.	Description of work KSRB 4-1.2 : Providing and laying in position	No reinforced.come		B In the second second second	D M20 with O	Quantity	Rate	Amount
	KSRB 4-1.2 : Providing and laying in position	reiniorcea ceme	ent concrete d	or design mix	M20 With C	PC cement @ 3	20 kgs, with	
	20mm and down size graded granite metal cours	se aggregates @	0.69 cum ar	nd fine aggreg	gates @ 0.46	cum with super p	olasticiser @	
13	3 Ltrs confirming to IS9103-1999 Reaffirmed-20	109 maahina mi	vad apparata	laid in lavor	a not ovocodi	ng 15 omg thick	vibrated for	
15	S Lifs comming to 139103-1999 Reammed-20	No, machine mi	xeu, concrete	alu in layers		ing 15 cms. thick,	vibrated ior	
	beams, columns of all sizes in foundation, plin	oth and supersti	ructure groun	d floor level	for roof slab	s, staircase, linte	els, columns	
	including cost of all materials, labour, HOM of m	achinery curing	complete as	ner specificat	tions Specifi	cation No. KBS 4	1 4 6	
	S.R. Item No. 4.11 Page 14	acrimery, coming	complete as	per specifica	иона. ореени		.1, 4.0	
Α	FOR FOOTINGS							
	For vertical box section							
	Sector 3							
	At road side							
	For Pedestals	27	0.30	0.30	0.50	1.22		
	At compound wall side	27	0.30	0.30	0.50	1.22		
	Sector 4							
	At road side							
	For Pedestals	55	0.30	0.30	0.50	2.48		
	At compound wall side	55	0.30	0.30	0.50	2.48		
	Sector 5							
	At road side							
	For Pedestals	51	0.30	0.30	0.50	2.30		
	At compound wall side	51	0.30	0.30	0.50	2.30		
					Sav	11.97	6640.00	00.001.00
					Say	<u>14.00</u>	6642.90	93,001.00
	Basic rate	6039.00				Cum		
	Add 10% for Malnad area works	<u>603.90</u>						
	Total	6642.90	/Cum					
	10141	0012.00	/00			-		
	KSRB 4.9.2 : Providing TMT steel reinforcement	for R.C.C work	including stra	iahtenina. cu	ttina, bendina	, hooking, placing	a in position.	
	lapping and / or welding wherever required, ty		•	•				
14				-			-	
14	complete as per design (laps, hooks and wast	age shall not be		-			-	
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No	age shall not be		-			-	
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500	age shall not be		-			-	
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18	age shall not be		-			-	
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings	age shall not be	e measured a	nd paid) cos	et of material	s, labour, HOM c	-	
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3	age shall not be	e measured a	nd paid) cos	st of material	s, labour, HOM c	-	
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4	age shall not be	e measured a 	nd paid) cos	80.00 80.00	s, labour, HOM c	-	
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3	age shall not be	e measured a	nd paid) cos	st of material	s, labour, HOM c 194.40 396.00 367.20	-	
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4	age shall not be	e measured a 	nd paid) cos	80.00 80.00 80.00	s, labour, HOM c 194.40 396.00 367.20 957.60	of machinery	
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4	age shall not be	e measured a 	nd paid) cos	80.00 80.00 80.00 80.00 80.00	s, labour, HOM c 194.40 396.00 367.20 957.60 1000.00	of machinery	77.860.00
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4	age shall not be	e measured a 	nd paid) cos	80.00 80.00 80.00	s, labour, HOM c 194.40 396.00 367.20 957.60	of machinery	77,860.00
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4	age shall not be	e measured a 2.43 4.95 4.59	nd paid) cos	80.00 80.00 80.00 80.00 80.00	s, labour, HOM o 194.40 396.00 367.20 957.60 1000.00 1.00	of machinery	77,860.00
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5	age shall not be b. KBS 4.6.3	e measured a 2.43 4.95 4.59	nd paid) cos	80.00 80.00 80.00 80.00 80.00	s, labour, HOM o 194.40 396.00 367.20 957.60 1000.00 1.00	of machinery	77,860.00
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate	age shall not be	2.43 4.95 4.59	nd paid) cos	80.00 80.00 80.00 80.00 80.00	s, labour, HOM o 194.40 396.00 367.20 957.60 1000.00 1.00	of machinery	77,860.00
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works	age shall not be 5. KBS 4.6.3 	2.43 4.95 4.59	nd paid) cos	80.00 80.00 80.00 80.00 80.00	s, labour, HOM o 194.40 396.00 367.20 957.60 1000.00 1.00	of machinery	77,860.00
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total	age shall not be . KBS 4.6.3 	2.43 2.43 4.95 4.59 /Tonne	nd paid) cos X X X X X	80.00 80.00 80.00 80.00 80.00 Say Or	s, labour, HOM c 194.40 396.00 367.20 957.60 1000.00 1.00 Tonne	Machinery Kgs 77860.20	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center	age shall not be 5. KBS 4.6.3 	2.43 4.95 4.59 /Tonne strutting, pro	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or nd removal o	s, labour, HOM o 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for	of machinery	77,860.00
14	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in	age shall not be 5. KBS 4.6.3 	2.43 4.95 4.59 /Tonne strutting, pro	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or nd removal o	s, labour, HOM o 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2	age shall not be 5. KBS 4.6.3 	2.43 4.95 4.59 /Tonne strutting, pro	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or nd removal o	s, labour, HOM o 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16	age shall not be 5. KBS 4.6.3 	2.43 4.95 4.59 /Tonne strutting, pro	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or nd removal o	s, labour, HOM o 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations	age shall not be 5. KBS 4.6.3 	2.43 4.95 4.59 /Tonne strutting, pro	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or nd removal o	s, labour, HOM o 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3	Age shall not be b. KBS 4.6.3 70782.00 70782.00 7078.20 707	2.43 2.43 4.95 4.59 7.Tonne strutting, pro all materials, I	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or nd removal of ete as per sp	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for ecifications. Spec	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side	age shall not be 5. KBS 4.6.3 70782.00 70782.00 7078.20 77860.20 77860.20 ring, shuttering, cluding cost of a 27	2.43 2.43 4.95 4.59 /Tonne strutting, pro all materials, I	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or 	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for ecifications. Spect	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side	Age shall not be b. KBS 4.6.3 70782.00 70782.00 7078.20 707	2.43 2.43 4.95 4.59 7.000 /Tonne strutting, pro all materials, l	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or nd removal of ete as per sp	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for ecifications. Spec	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4	age shall not be b. KBS 4.6.3 70782.00 7078.20 7078.20 77860.20 ring, shuttering, icluding cost of a 27 27 27	2.43 2.43 4.95 4.59 /Tonne strutting, pro all materials, I	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 80.00 Say Or 	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne ceifications. Spece 16.20 16.20	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4 At road side	age shall not be . KBS 4.6.3 . KBS 4.6.3 	e measured a 2.43 4.95 4.59 /Tonne /Tonne strutting, pro all materials, I 1.2 1.2 1.2	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or Ind removal of ete as per sp 0:5 0.5 0.5	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne Of form work for ecifications. Spect	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side	age shall not be b. KBS 4.6.3 70782.00 7078.20 7078.20 77860.20 ring, shuttering, icluding cost of a 27 27 27	e measured a 2.43 4.95 4.59 /Tonne /Tonne strutting, pro all materials, I 1.2 1.2 1.2	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 80.00 Say Or 	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne ceifications. Spece 16.20 16.20	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4 At compound wall side Sector 5	age shall not be 5. KBS 4.6.3 70782.00 70782.00 7078.20 7078.	e measured a 2.43 4.95 4.59 /Tonne strutting, pro all materials, l 1.2 1.2 1.2	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or Ind removal of ete as per sp 0.5 0.5 0.5	s, labour, HOM of 194.40 396.00 957.60 1000.00 Tonne of form work for ecifications. Spect 16.20 16.20 33.00 33.00	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	age shall not be . KBS 4.6.3 . KBS 4.6.3 	e measured a 2.43 4.95 4.59 	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or 	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne Of form work for ecifications. Spect	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4 At compound wall side Sector 5	age shall not be 5. KBS 4.6.3 70782.00 70782.00 70782.00 7078.20 7078	e measured a 2.43 4.95 4.59 	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or Ind removal of ete as per sp 0.5 0.5 0.5	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne 57 form work for ecifications. Spect 16.20 16.20 33.00 30.60 30.60	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	age shall not be 5. KBS 4.6.3 70782.00 70782.00 70782.00 7078.20 7078	e measured a 2.43 4.95 4.59 /Tonne strutting, pro all materials, I 1.2 1.2 1.2 1.2 1.2	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or Say Or and removal of ete as per sp ate as per sp 0.5 0.5 0.5 0.5 0.5	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for ecifications. Spect 16.20 16.20 33.00 33.00 30.60 30.60 159.60	of machinery	
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	age shall not be 5. KBS 4.6.3 70782.00 70782.00 70782.00 7078.20 7078	e measured a 2.43 4.95 4.59 /Tonne strutting, pro all materials, I 1.2 1.2 1.2 1.2 1.2	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or 	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for ecifications. Spect 16.20 16.20 33.00 33.00 30.60 159.60 165.00	of machinery	77,860.00
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	age shall not be 5. KBS 4.6.3 70782.00 70782.00 70782.00 7078.20 7078	e measured a	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or Say Or and removal of ete as per sp ate as per sp ate as per sp 0.5 0.5 0.5 0.5 0.5	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for ecifications. Spect 16.20 16.20 33.00 33.00 30.60 30.60 159.60	of machinery	
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4 At compound wall side Sector 5 At road side At compound wall side	age shall not be 5. KBS 4.6.3 70782.00 70782.00 70782.00 7078.20 77860.20 77860.20 77860.20 77860.20 77860.20 77860.20 77860.20 77860.20 70782.00 70782	e measured a	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or Say Or and removal of ete as per sp ate as per sp ate as per sp 0.5 0.5 0.5 0.5 0.5	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for ecifications. Spect 16.20 16.20 33.00 33.00 30.60 159.60 165.00	of machinery	
	complete as per design (laps, hooks and wast complete as per specifications. Specification No TMT Bars Fe 500 S.R. Item No. 4.46.2 Page 18 Footings Sector 3 Sector 4 Sector 5 Sector 5 Sector 5 Sector 5 Sector 5 Sector 6 Sector 5 Sector 6 Sector 7 Sector 8 Add 10% for Malnad area works Total KSRB 4-6.1 : Providing and removing center footings, bases of columns for mass concrete in KBS 4.6.2 S.R. Item No. 4.28 Page 16 For Foundations Sector 3 At road side At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side	age shall not be 5. KBS 4.6.3 70782.00 70782.00 70782.00 7078.20 77860.20 77860.20 77860.20 77860.20 77860.20 77860.20 77860.20 77860.20 70782.00 70785.20 70785	e measured a	nd paid) cos X X X X X pping etc., a	80.00 80.00 80.00 80.00 Say Or Say Or and removal of ete as per sp ate as per sp ate as per sp 0.5 0.5 0.5 0.5 0.5	s, labour, HOM of 194.40 396.00 367.20 957.60 1000.00 Tonne of form work for ecifications. Spect 16.20 16.20 33.00 33.00 30.60 159.60 165.00	of machinery	



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	Fabrication supplying and erecting M.S tubular t					• •		
	applications using quality material are durable, re	eliable and c	orrosion and	abrasion re	sistant.Weldii	ng shall confirm	to structural	
	welding code. Quality shall be on various parame	ters like sha	pe,size,desig	n gauge and	polish. The	entire trusses is	anchored in	
16	RCC column by using 4nos of MS anchor bolts a	t each supp	ort with 10mr	m thick base	plate and sh	noe plate. The w	ork includes	
	cutting,straightening,placing in position of MS pipe	s and weldir	ng where ever	necessary a	and applying	one coat of red	oxide primer	
	coat to all the members including coat of all materia	I. labour cha	roes and hire	charges of m	achineries fo	r cuttina.weldina	grinding and	
	erection equipments, with all lead and lift, transporta		•	•		· · · · · · · · · · · · · · · · · · ·	,gg	
	S.R. Item No. 7.29, Page no. 43			the speemee			1	
	Sector 3	2	28	2.00		112		
	Sector 4	2		2.00		320		
	Sector 5	1		2.00		30		
		1		2.00		60		
		1		2.00		200		
		1		2.00		150		
						872		
					30.00	26160	122.10	31,94,136.0
					Kg/Sqm	Kgs		- /- /
	Basic rate	111.00						
	Add 10% for Malnad area works	11.10						
	Total	122.10						
	Providing and installing of approved make pre-pai	nted Galvalu	ime iron acce	ssories, like,	plain, ridge	s, plain gutter, p	lain flashing,	
	corner trim, etc. The total coated thickness (TCT) of	the sheet sh	nall be 0.47 m	m +/- 0.02 to	lerance mm Z	Zinc- Alu alloy co	ating AZ 150	
17	gsm as per ASTM 1397/755-550 mpa steel grade,	5-7 microns	usina self drill	ing/self tapin	a screws of 2	5 mm length (wig	dth upto 500-	
	600 mm only), to be fixed over the existing purlins, i		-		0			
	SR. Item no 38.31, Page no. 301	antoro, onam		00.	1		1	
	Sector 3	2	28	1.2		67.2		
	Sector 4	2		1.2		192		
	Sector 5	1		1.2		132		
		1		1.2		36		
		1		1.2		120		
		1	75	1.2		90	ł ł	
						523.2		
					Sav	523.2 525	726	3 81 150 00
	Basic rate	660			Say	<u>525</u>	726	3,81,150.00
	Basic rate Add 10% for Malnad area works	660 66.00			Say		726	3,81,150.00
	Basic rate Add 10% for Malnad area works Total	<u>66.00</u>			Say	<u>525</u>	726	3,81,150.00
	Add 10% for Malnad area works				Say	<u>525</u>	726	3,81,150.00
	Add 10% for Malnad area works	<u>66.00</u> 726.00	/Sqm	own pipes of		<u>525</u> Sqm		3,81,150.0
18	Add 10% for Malnad area works Total	<u>66.00</u> 726.00 kg/ sq.cm H.	/Sqm D.P.E. rain de		approved ma	525 Sqm ke and brand wi	th necessary	3,81,150.0
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc	<u>66.00</u> 726.00 kg/ sq.cm H.	/Sqm D.P.E. rain de		approved ma	525 Sqm ke and brand wi	th necessary	3,81,150.0
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications.	<u>66.00</u> <u>726.00</u> kg/ sq.cm H. n clamps, w	/Sqm D.P.E. rain do all plugs, scre	ews, including	approved ma	525 Sqm ke and brand wi	th necessary	3,81,150.00
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat	<u>66.00</u> <u>726.00</u> kg/ sq.cm H. n clamps, w	/Sqm D.P.E. rain do all plugs, scre	ews, including	approved ma	525 Sqm ke and brand wi	th necessary	3,81,150.00
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49	<u>66.00</u> 726.00 kg/ sq.cm H. n clamps, w er pipes 110	/Sqm D.P.E. rain do all plugs, scre mm outer dia	ews, including	approved ma	525 Sqm ke and brand wi rrials, labour, cur	th necessary	3,81,150.00
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3	<u>66.00</u> <u>726.00</u> kg/ sq.cm H. n clamps, w er pipes 110 54	/Sqm D.P.E. rain de all plugs, scre mm outer dia 4.15	ews, including	approved ma	525 Sqm ke and brand wi rrials, labour, cur 224.1	th necessary ing complete	3,81,150.00
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110	/Sqm D.P.E. rain do all plugs, scre mm outer dia 4.15 4.15	ews, including	approved ma	525 Sqm ke and brand wi rrials, labour, cur 224.1 456.5	th necessary ing complete	3,81,150.00
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3	<u>66.00</u> <u>726.00</u> kg/ sq.cm H. n clamps, w er pipes 110 54	/Sqm D.P.E. rain do all plugs, scre mm outer dia 4.15 4.15	ews, including	approved ma	525 Sqm ke and brand wi irials, labour, cur 224.1 456.5 423.3	th necessary ing complete	3,81,150.0
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110	/Sqm D.P.E. rain do all plugs, scre mm outer dia 4.15 4.15	ews, including	approved ma	525 Sqm ke and brand wi prials, labour, cur 224.1 456.5 423.3 1103.9	th necessary ing complete	
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5	<u>66.00</u> 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102	/Sqm D.P.E. rain d all plugs, scre mm outer dia 4.15 4.15 4.15	ews, including	approved ma	525 Sqm ke and brand wi irials, labour, cur 224.1 456.5 423.3	th necessary ing complete	
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate	<u>66.00</u> 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513	/Sqm D.P.E. rain dd all plugs, scre mm outer dia 4.15 4.15 4.15	ews, including	approved ma	525 Sqm ke and brand wi prials, labour, cur 224.1 456.5 423.3 1103.9 1110	th necessary ing complete	
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 513	/Sqm D.P.E. rain du all plugs, scree mm outer dia 4.15 4.15 4.15	ews, including	approved ma	525 Sqm ke and brand wi prials, labour, cur 224.1 456.5 423.3 1103.9 1110	th necessary ing complete	
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works	<u>66.00</u> 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513	/Sqm D.P.E. rain du all plugs, scree mm outer dia 4.15 4.15 4.15	ews, including	approved ma	525 Sqm ke and brand wi prials, labour, cur 224.1 456.5 423.3 1103.9 1110	th necessary ing complete	
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wate SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 513	/Sqm D.P.E. rain du all plugs, scree mm outer dia 4.15 4.15 4.15	ews, including	approved ma	525 Sqm ke and brand wi prials, labour, cur 224.1 456.5 423.3 1103.9 1110	th necessary ing complete	
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings	<u>66.00</u> 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30	/Sqm D.P.E. rain dr all plugs, scre mm outer dia 4.15 4.15 4.15 /m	ews, including	approved ma g cost of mate	525 Sqm ke and brand wi vrials, labour, cur 224.1 456.5 423.3 1103.9 <u>1110</u> m	th necessary ing complete	
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 neans such a	/Sqm D.P.E. rain dr all plugs, scre mm outer dia 4.15 4.15 4.15 /m	ng so as to r	approved ma g cost of mate	525 Sqm ke and brand wi vrials, labour, cur 224.1 456.5 423.3 1103.9 <u>1110</u> m	th necessary ing complete 564.30	
	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pas	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 means such a sivating, flas	/Sqm D.P.E. rain de all plugs, scree mm outer dia 4.15 4.15 4.15 4.15	ng so as to r	approved ma g cost of mate	525 Sqm ke and brand wi vrials, labour, cur 224.1 456.5 423.3 1103.9 1110 m e existing loose rn e free, non-alkali	th necessary ing complete 564.30 564.30 ust etc.Using ne, inorganic	
18	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pas single component, rust converter and nano fill form	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 means such a sivating, flas	/Sqm D.P.E. rain d all plugs, scree mm outer dia 4.15 4.15 4.15 4.15 /m /m	ng so as to r titing sulphate After 24 Hou	approved ma approved mate g cost of mate Say emove all the e and chloride rs remove th	se existing loose rust	th necessary ing complete 564.30 564.30 ust etc.Using ne, inorganic	
	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel passingle component, rust converter and nano fill forr single dusting with brush. Providing and applying	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 sivating, flas ming surface one coat of	/Sqm D.P.E. rain dr all plugs, scree mm outer dia 4.15 4.15 4.15 4.15 4.15 4.15 4.15 7 7 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	ng so as to r titing sulphate After 24 Hou nent, anticorr	approved ma approved mate g cost of mate Say emove all the e and chloride rs remove th osive, solven	525 Sqm ke and brand wi prials, labour, cur 224.1 456.5 423.3 1103.9 1110 m e existing loose ru e free, non-alkalii e free/loose rust t free, substitute	th necessary ing complete 564.30 564.30 ust etc.Using ne, inorganic particles by d long chain	
	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pas single component, rust converter and nano fill forn simple dusting with brush. Providing and applying nylon reticulant based epoxy coating/primer. This	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 564.30 564.30 cone coat of should be fc	/Sqm D.P.E. rain de all plugs, scree mm outer dia 4.15 4.15 4.15 4.15 4.15 4.15 4.15 7 7 7 8 8 8 8 8 8 8 8 9 7 7 8 7 8 7 8 7	ng so as to r titing sulphate After 24 Hou nent, anticorr o coats of pr	approved ma approved mate cost of mate Say emove all the and chloride rs remove th osive, solven rotective two	se existing loose rust t free, substitute component, APF	th necessary ing complete 564.30 564.30 ust etc.Using ne, inorganic particles by d long chain	
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	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pass single component, rust converter and nano fill forr single dusting with brush. Providing and applying nylon reticulant based epoxy coating/primer. This resistant anticorrosive coating. Apply the coats by b S.R Item No 38.73 Page 321 for Roof Sector 3 Sector 4	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 neans such a sivating, flas ning surface one coat of should be fc rush or spray	/Sqm D.P.E. rain dr all plugs, scree mm outer dia 4.15 4.15 4.15 4.15 /m /m as sand blasti sh rust prever passivator. / Two compor ollowed by tw y at 4-6 hours 28 80	ng so as to r titing sulphate After 24 Hou nent, anticorr o coats of pu interval betw	approved ma approved ma g cost of mate Say Say emove all the e and chloride rs remove th osive, solven rotective two reen each coa	se existing loose rust be free, non-alkali e free, non-alkali e free, substitute component, APF at.	th necessary ing complete 564.30 564.30 ust etc.Using ne, inorganic particles by d long chain R based, UV	
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	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pass single component, rust converter and nano fill forr single dusting with brush. Providing and applying nylon reticulant based epoxy coating/primer. This resistant anticorrosive coating. Apply the coats by b S.R Item No 38.73 Page 321 for Roof Sector 3 Sector 4	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 564.30 564.30 564.30 cone coat of should be fc rush or spray 2 2 2 1 1 1	/Sqm /Sqm D.P.E. rain de all plugs, scree mm outer dia 4.15	ng so as to r ng so as to r titing sulphate After 24 Hou ent, anticorr o coats of p interval betw 2.00 2.00 2.00 2.00 2.00	approved ma approved ma g cost of mate Say emove all the e and chloride rs remove th osive, solven rotective two reen each coa	525 Sqm ke and brand wi rrials, labour, cur 224.1 456.5 423.3 1103.9 1110 m e existing loose ru e existing loose rust t free, non-alkalii e free/loose rust t free, substitute component, APF at. 112.00 320.00 30.00 60.00	th necessary ing complete 564.30 564.30 ust etc.Using ne, inorganic particles by d long chain R based, UV	
	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pass single component, rust converter and nano fill forr single dusting with brush. Providing and applying nylon reticulant based epoxy coating/primer. This resistant anticorrosive coating. Apply the coats by b S.R Item No 38.73 Page 321 for Roof Sector 3 Sector 4	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 564.30 sivating, flas ming surface one coat of should be fc rush or spray	/Sqm D.P.E. rain dr all plugs, scree mm outer dia 4.15 4.15 4.15 4.15 4.15 4.15 7 7 7 8 8 8 8 8 8 8 15 30 100	ng so as to r ng so as to r titing sulphate After 24 Hou nent, anticorr o coats of pr interval betw 2.00 2.00 2.00 2.00	approved ma approved ma g cost of mate Say emove all the e and chloride rs remove th osive, solven rotective two reen each coa	525 Sqm ke and brand wi rrials, labour, cur 224.1 456.5 423.3 1103.9 1110 m e existing loose rn e free, non-alkali e free/loose rust t free, substitute component, APF at. 112.00 320.00 30.00 60.00 200.00	ust etc.Using ne, inorganic particles by d long chain R based, UV	
	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pass single component, rust converter and nano fill forr single dusting with brush. Providing and applying nylon reticulant based epoxy coating/primer. This resistant anticorrosive coating. Apply the coats by b S.R Item No 38.73 Page 321 for Roof Sector 3 Sector 4	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 564.30 564.30 564.30 cone coat of should be fc rush or spray 2 2 2 1 1 1	/Sqm /Sqm D.P.E. rain de all plugs, scree mm outer dia 4.15	ng so as to r ng so as to r titing sulphate After 24 Hou ent, anticorr o coats of p interval betw 2.00 2.00 2.00 2.00 2.00	approved mate	525 Sqm ke and brand wi rrials, labour, cur 224.1 456.5 423.3 1103.9 1110 m e existing loose rn e free, non-alkalii e free/loose rust t free, substitute component, APF at. 112.00 320.00 30.00 60.00 200.00 150.00	ust etc. Using ne, inorganic particles by d long chain R based, UV	6,26,373.00
	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down watt SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pas single component, rust converter and nano fill forr simple dusting with brush. Providing and applying nylon reticulant based epoxy coating. Apply the coats by b S.R Item No 38.73 Page 321 for Roof Sector 3 Sector 4 Sector 3 Sector 4 Sector 5	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 564.30 564.30 564.30 564.30 564.30 564.30 50 cost of should be fc rush or spray	/Sqm /Sqm D.P.E. rain dr all plugs, scre mm outer dia 4.15 4.15 4.15 4.15 //m /m /m as sand blasti sh rust prever passivator. / Two compor pllowed by tw y at 4-6 hours 28 80 15 30 0 100 75	ng so as to r ng so as to r titing sulphate After 24 Hou ent, anticorr o coats of p interval betw 2.00 2.00 2.00 2.00 2.00	approved ma approved ma g cost of mate Say emove all the e and chloride rs remove th osive, solven rotective two reen each coa	525 Sqm ke and brand wi rrials, labour, cur 224.1 456.5 423.3 1103.9 1110 m e existing loose rn e free, non-alkalii e free/loose rust t free, substitute component, APf at. 112.00 320.00 30.00 60.00 200.00 150.00 872.00	ust etc.Using ne, inorganic particles by d long chain R based, UV	6,26,373.0
	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down wat SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pass single component, rust converter and nano fill forr simple dusting with brush. Providing and applying nylon reticulant based epoxy coating/primer. This resistant anticorrosive coating. Apply the coats by b S.R Item No 38.73 Page 321 for Roof Sector 3 Sector 4 Sector 5 Basic rate	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 564.30 sivating, flas ning surface one coat of should be fc rush or spray 2 2 2 1 1 1 1 1 1 1 1 330.00	/Sqm /Sqm D.P.E. rain dr all plugs, scree mm outer dia 4.15 4.15 4.15 4.15 /m /m /m as sand blastir sh rust prever passivator. / Two compor pllowed by tw y at 4-6 hours 28 80 15 30 100 75	ng so as to r ng so as to r titing sulphate After 24 Hou ent, anticorr o coats of p interval betw 2.00 2.00 2.00 2.00 2.00	approved mate	525 Sqm ke and brand wi rrials, labour, cur 224.1 456.5 423.3 1103.9 1110 m e existing loose rn e free, non-alkalii e free/loose rust t free, substitute component, APF at. 112.00 320.00 30.00 60.00 200.00 150.00	ust etc. Using ne, inorganic particles by d long chain R based, UV	6,26,373.0
	Add 10% for Malnad area works Total KSRB 8.6 : Providing and fixing on wall surface 4.0 specials like shoes, bends and offsets fixed with irc as per specifications. KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain down watt SR Item no. 8.19, Page no 49 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Structural Steel Coatings Cleaning the existing steel surface by mechanical r cotton waste swab apply rust converting, steel pas single component, rust converter and nano fill forr simple dusting with brush. Providing and applying nylon reticulant based epoxy coating. Apply the coats by b S.R Item No 38.73 Page 321 for Roof Sector 3 Sector 4 Sector 3 Sector 4 Sector 5	66.00 726.00 kg/ sq.cm H. n clamps, w er pipes 110 54 110 102 513 51.30 564.30 564.30 564.30 564.30 564.30 564.30 564.30 564.30 50 cost of should be fc rush or spray	/Sqm /Sqm D.P.E. rain dr all plugs, scree mm outer dia 4.15 4.15 4.15 4.15 4.15 4.15 /m /m m as sand blasti sh rust prever passivator. / Two compor pllowed by tw y at 4-6 hours 288 800 15 300 100 75	ng so as to r ng so as to r titing sulphate After 24 Hou ent, anticorr o coats of p interval betw 2.00 2.00 2.00 2.00 2.00	approved mate	525 Sqm ke and brand wi rrials, labour, cur 224.1 456.5 423.3 1103.9 1110 m e existing loose rn e free, non-alkalii e free/loose rust t free, substitute component, APf at. 112.00 320.00 30.00 60.00 200.00 150.00 872.00	ust etc. Using ne, inorganic particles by d long chain R based, UV	3,81,150.00



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
•	KSRB 15-18.2: Providing and applying enamel		coats (exclud					
20	brushing to give an even shade after cleaning o as per specifications.							
	SR Item no 15.74, Page No 123	-			1		1	
	Sector 3	2	28	2		112		
	Sector 4	2		2		320		
		2	15	2		320		
	Sector 5	1		2				
		1				60		
		1		2		200		
		1	75	2		150		
					_	872.00		
					Say	<u>880.00</u>	104.50	91,960.00
						Sqm		
	Basic rate	95.00						
	Add 10% for Malnad area works	9.50						
	Total	104.50	/Sqm					
	Fixing charges for installation of CI Poles found	lation bolts and	base plate/ te	emplate on s	ite as per the	e drawings and ir	nstructions of	
21	Architect of PMC and Incharge Executive Engine	er MSCI						
	Rate Analysis		1				1	
	Sector 3							
		07				27.00		
	At road side	27						
	At compound wall side	27				27.00	├	
	Sector 4						ļļ	
	At road side	55				55.00		
	At compound wall side	55				55.00		
	Sector 5							
	At road side	51				51.00		
	At compound wall side	51				51.00		
						266.00	58.00	15,428.0
						Nos.	1	,
	Laying charges of Mangalore Single groove tile	/ ceiling tile/ sk	vliaht tile ove	r the existing	n roof truss in	ncluding cost of l	abour as per	
22	specifications.	, coming they on	Jugue and dre		,	iologing coor or i	about ao poi	
	Rate analysis		1					
	Roof Tile area							
	Sector 3		28	2		110		
		2				112		
	Sector 4	2		2		320		
	Sector 5	1	15	2		30		
		1		2		60		
		1		2		200		
		1	75	2		150		
						872.00		
					Say	872.00 880.00		2,60,480.00
					Say			2,60,480.00
					Say	<u>880.00</u>		2,60,480.00
	Providing and finishing external walls in two co	pats over one co	pat of 100% a	crylic silicon		<u>880.00</u> Sqm	296.00	2,60,480.00
				-	glazed prime	880.00 Sqm er with antifungal	296.00 paint for top	2,60,480.0
23	Providing and finishing external walls in two co coat of approved brand and shade to give a			-	glazed prime	880.00 Sqm er with antifungal	296.00 paint for top	2,60,480.0
23	coat of approved brand and shade to give a	n even shade a	after thorough	ly brooming	glazed prime the surface	880.00 Sqm er with antifungal to remove all di	296.00 paint for top irt and loose	2,60,480.00
23	coat of approved brand and shade to give a powdered material, free from mortar drops and	n even shade a	after thorough	ly brooming	glazed prime the surface	880.00 Sqm er with antifungal to remove all di	296.00 paint for top irt and loose	2,60,480.00
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127	n even shade a	after thorough	ly brooming	glazed prime the surface	880.00 Sqm er with antifungal to remove all di	296.00 paint for top irt and loose	2,60,480.0
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile	n even shade a other foreign ma	after thorough atter cost of m	ly brooming aterials, labo	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat	296.00 paint for top irt and loose ions.	2,60,480.00
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3	n even shade a other foreign ma	after thorough atter cost of m	aterials, labo	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00	296.00 paint for top irt and loose ions.	2,60,480.00
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4	n even shade a other foreign ma	after thorough atter cost of m 28 80	lly brooming aterials, labo	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00	296.00 paint for top irt and loose ions.	2,60,480.00
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3	n even shade a other foreign ma 4 4 2	after thorough atter cost of m 28 80 15	lly brooming aterials, labo 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00 60.00	296.00 paint for top int and loose ions.	2,60,480.0
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4	n even shade a other foreign ma	after thorough atter cost of m 28 80 15	lly brooming aterials, labo	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00	296.00 paint for top int and loose ions.	2,60,480.0
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4	n even shade a other foreign ma 4 4 2	after thorough atter cost of m 28 80 15 30	lly brooming aterials, labo 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00 60.00	296.00 paint for top irt and loose ions.	2,60,480.00
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4	n even shade a other foreign ma 4 4 2 2 2	after thorough atter cost of m 28 80 15 30 100	ly brooming aterials, labo 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00 640.00 120.00	296.00 paint for top irt and loose ions.	2,60,480.00
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4	n even shade a other foreign ma 4 4 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm sqm to remove all di as per specificat 224.00 640.00 60.00 120.00 400.00	296.00 paint for top rt and loose ions.	
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4	n even shade a other foreign ma 4 4 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00 60.00 120.00 400.00 300.00 1744.00	296.00 paint for top rt and loose ions.	
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5	n even shade a other foreign ma 4 4 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm Sqm er with antifungal to remove all di as per specificat 224.00 640.00 60.00 120.00 400.00 300.00	296.00 paint for top rt and loose ions.	
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate	n even shade a other foreign ma 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00 60.00 120.00 400.00 300.00 1744.00	296.00 paint for top rt and loose ions.	
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works	n even shade a other foreign ma 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00 60.00 120.00 400.00 300.00 1744.00	296.00 paint for top rt and loose ions.	
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate	n even shade a other foreign ma 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00 60.00 120.00 400.00 300.00 1744.00	296.00 paint for top rt and loose ions.	
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total	n even shade a other foreign ma 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm sqm to remove all di as per specificat 224.00 640.00 640.00 120.00 400.00 300.00 <u>1744.00</u> Sqm	296.00 paint for top rt and loose ions.	
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works	n even shade a other foreign ma 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm sqm to remove all di as per specificat 224.00 640.00 640.00 120.00 400.00 300.00 <u>1744.00</u> Sqm	296.00 paint for top rt and loose ions.	
23	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total	n even shade a other foreign ma 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 /Sqm /Sqm	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm sqm to remove all di as per specificat 224.00 640.00 60.00 120.00 400.00 300.00 1744.00 Sqm	296.00 paint for top int and loose ions.	
	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Providing and finishing external walls in two co coat of approved brand and shade to give a	n even shade a other foreign ma 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 /Sqm /Sqm att of 100% a after thorough	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm r with antifungal to remove all di as per specificat 224.00 640.00 640.00 120.00 120.00 120.00 300.00 1744.00 Sqm r with antifungal to remove all di	296.00 paint for top irt and loose ions. 198.00 198.00 paint for top paint for top irt and loose	
	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Providing and finishing external walls in two co coat of approved brand and shade to give a powdered material, free from mortar drops and	n even shade a other foreign ma 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 /Sqm /Sqm att of 100% a after thorough	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm r with antifungal to remove all di as per specificat 224.00 640.00 640.00 120.00 120.00 120.00 300.00 1744.00 Sqm r with antifungal to remove all di	296.00 paint for top irt and loose ions. 198.00 198.00 paint for top paint for top irt and loose	
	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Providing and finishing external walls in two co coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127	n even shade a other foreign ma 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 /Sqm /Sqm att of 100% a after thorough	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm r with antifungal to remove all di as per specificat 224.00 640.00 640.00 120.00 120.00 120.00 300.00 1744.00 Sqm r with antifungal to remove all di	296.00 paint for top irt and loose ions. 198.00 198.00 paint for top paint for top irt and loose	
	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Providing and finishing external walls in two co coat of approved brand and shade to give a powdered material, free from mortar drops and	n even shade a other foreign ma 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 /Sqm /Sqm att of 100% a after thorough	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm r with antifungal to remove all di as per specificat 224.00 640.00 640.00 120.00 120.00 120.00 300.00 1744.00 Sqm r with antifungal to remove all di	296.00 paint for top irt and loose ions. 198.00 198.00 paint for top paint for top irt and loose	
	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Providing and finishing external walls in two co coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127	n even shade a other foreign ma 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 /Sqm /Sqm at of 100% a after thorough atter cost of m	ly brooming aterials, labo	glazed prime the surface ur, complete	880.00 Sqm r with antifungal to remove all di as per specificat 224.00 640.00 640.00 120.00 120.00 120.00 300.00 1744.00 Sqm r with antifungal to remove all di	296.00 paint for top irt and loose ions. 198.00 198.00 paint for top rt and loose ions.	2,60,480.00
	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Providing and finishing external walls in two co coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 Ceiling Tile	n even shade a other foreign ma 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 /Sqm /Sqm /Sqm atter thorough atter cost of m	ly brooming aterials, labo 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	glazed prime the surface ur, complete	880.00 Sqm Sqm er with antifungal to remove all di as per specificat 224.00 640.00 640.00 0 120.00 400.00 300.00 1744.00 sqm er with antifungal to remove all di as per specificat	296.00 paint for top rt and loose ions. 198.00 198.00 paint for top rt and loose ions.	
	coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 For Single groove tile and Skylight tile Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total Providing and finishing external walls in two co coat of approved brand and shade to give a powdered material, free from mortar drops and SR Item No 15.104 Page No127 Ceiling Tile Sector 3	n even shade a other foreign ma 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	after thorough atter cost of m 28 80 15 30 100 75 /Sqm /Sqm atter thorough atter cost of m 28 80 80	ly brooming aterials, labo	glazed prime the surface ur, complete	880.00 Sqm er with antifungal to remove all di as per specificat 224.00 640.00 640.00 120.00 400.00 300.00 1744.00 Sqm er with antifungal to remove all di as per specificat er with antifungal to remove all di as per specificat 224.00	296.00 paint for top rt and loose ions. 198.00 198.00 paint for top rt and loose ions.	



CI No.	Description of work	No	L	В	D	Quantity	Rate	Amount
SI.No.	Description of work	-	_				nale	Amount
		2		2		400.00		
			/5	2		300.00		
						1744.00		
	considered 25% of Total area				0	436	100.00	
					Say	450.00	198.00	89,100.0
						Sqm		
	Basic rate	180.00						
	Add 10% for Malnad area works	<u>18.00</u>						
	Total	<u>198.00</u>) /Sqm					
	Applying red lead ready mix priming coat ove	r new steel or o	other metal su	rface includi	ng preparing	g the surface after	r thoroughly	
25	cleaning oil, grease, dirt and other foreign ma	atter, and scoure	ed with wire b	rushes, fine	steel wool.	sand papers includ	ding cost of	
	materials, labour, complete as per specification			,	,		y	
	SR Item No 15.73, Page No123	13.			T	1		
	For CI Support Poles							
			4 57			0.4.70		
	Sector 3	54	-			84.78		
	Sector 4	110				172.70		
	Sector 5	102	2 1.57			160.14		
						417.62		
					Say	425.00	45.10	19,167.5
						Sqm		
	Basic rate	41.00						
	Add 10% for Malnad area works	<u>4.10</u>)					
	Total		/Sqm					
	KSRB 15-18.2: Providing and applying ename	I metal paint two	coats (exclud	ing priming o	coat) over ne	ew steel or other m	etal surface	
26	brushing to give an even shade after cleaning							
20	as per specifications.	, g,		g,,			,	
	SR Item no 15.74, Page No 123					T T		
	Painting of CI Support Poles					+		
						0.1 70		
	Sector 3	54	-			84.78		
	Sector 4	110				172.70		
	Sector 5	102	2 1.57			160.14		
						417.62		
					Say	425.00	104.50	44,412.5
						Sqm		
	Basic rate	95.00)					
	Add 10% for Malnad area works	9.50)					
	Total	104.50) /Sqm					
	Fixing old eve board with necessary screws an			, includina c	ost of mater	ials, labour, HOM o	complete as	
27	per specifications.		ing the board	i including o	oor or mator		semplete de	
	S.R Item No 37.14 Page 267							
	Eaves board							
			05			70.00		
	Sector 3	2				70.00		
		4				8.00		
	Sector 4	2				180.00		
		20				40.00		
	Sector 5	2				138.00		
		15	5 2			30.00		
						466		
						470	28.60	13,442.0
						m	1	,
	Basic rate	26.00						
	Add 10% for Malnad area works	2.60			1	1 1		
	Total	28.60				+ +		
	Applying red lead ready mix priming coat ove			rface includi	na prepario	n the surface after	r thoroughly	
						-		
28	cleaning oil, grease, dirt and other foreign ma	atter, and scoure	ed with wire b	rushes, fine	steel wool,	sand papers includ	ding cost of	
	materials, labour, complete as per specification	IS.						
	SR Item No 15.73, Page No123							
	Eaves board							
	Sector 3	2	2 35	0.2		14.00		
		4		0.2		1.60		
	Sector 4	2		0.2		36.00		
		20		0.2		8.00		
	Sector 5	20		0.2		27.60		
	Sector 5							
	+	15	5 2	0.2		6.00		
			-		-	93		
					Say	95.00	45.10	4,284.5
			ļ			Sqm		
	Basic rate	41.00						
	Add 10% for Malnad area works	<u>4.10</u>)					
	Total) /Sqm		Γ			
	KSRB 4-1.5 : Providing and laying in position			M20 with C	DPC@ 300k	gs, with 20mm and	d down size	
29	graded granite metal coarse aggregates @0.6	securi and fine a	aygregtes @ (J.43cum, ma	conne mixe	u, concrete laid in	nayers not	
	exceeding 15 ems. thick, well compacted,	in foundation, p	linth and cills	, including o	cost of all r	naterials, Iabour, H	IOM curing	
	complete as per specifications. Specification N	-					÷	
		0. 1100 4.1, 4.2			1			
	S.R. Item No. 4.5 Page 13	1			1			



	Description of work	No	L	В	D	Quantity	Rate	Amount
SI.No.	Over tiled roof	INO		D	U	Quantity	nale	Amount
	Sector 3	18	2	0.05	0.075	0.135		
	Sector 4	48	2	0.05	0.075	0.360		
	Sector 5	5		0.05	0.075	0.038		
		10		0.05	0.075	0.075		
		30	2	0.05	0.075	0.225		
		23	2	0.05	0.075	0.173		
						1.005		
					Say	1.00	6251.3	6251.3
	Basic rate	5683				Cum		
	Add 10% for Malnad area works	568.30						
	Total	6251.30	/Cum					
	KSRB15-3.11 : Providing 20mm thick cement p	plaster in single	coat with cen	nent mortar	1:4, to stone	masonry / conci	rete surface	
30	including rounding off corners wherever required	smooth renderin	ng, : Providing	and removi	ng scaffolding	a, including cost o	of materials,	
	labour, curing complete as per specifications.		5, 5		3 3	, 5		
	S.R. Item No. 15.19 Page 116							
	for concrete band							
	Sector 3	18	2		0.20	7.20		
	Sector 4	48	2		0.20	19.20		
	Sector 5	5			0.20	2.00		
		10			0.20	4.00		
		30	2		0.20			
		23	2			12.00		
		23	2		0.20	9.20		
					0	53.60	000.00	10 513
	De ale vede		├		Say	<u>55.00</u>	300.30	16,517.00
	Basic rate	273.00				Sqm		
	Add 10% for Malnad area works	27.30	(2)					
	Total	300.30						
	KSRB4-4-6.1 : Providing and removing centering	ng, shuttering, s	strutting, prop	ping etc., ai	nd removal o	f form work for f	oundations,	
31	footings, base of columns for mass concrete inclu	uding cost of all	materials, labo	our complete	e as per speci	fications.		
		0	,					
	Specification No. KBS 4.6.2							
	S.R Item No 4.28 Page No. 16							
	for Roof Band							
	Sector 3	36	2		0.08	5.40		
	Sector 4	96	2		0.08	14.40		
	Sector 5	10	2		0.08	1.50		
		20	2		0.08	3.00		
		60	2		0.08	9.00		
		46	2		0.08	6.90		
						40.20		
					Say	45	289.30	13,018.50
						Sqm		
	Basic rate	263.00						
	Add 10% for Malnad area works	26.30						
	Total	289.30	/Sqm					
	Erection and testing of Cast Iron Pole - 2.7 m	tall onto the For	undation as p	er specificat	tion and instr	uctions of Archite	ect of PMC/	
32	Executive Engineer, MSCL			-				
	(Rate analysis)							
	Sector 3							
	At road side							
		70				27.00		
		27				27.00		
	At compound wall side	27				27.00 27.00		
	At compound wall side Sector 4	27				27.00		
	At compound wall side Sector 4 At road side	27 55				27.00 55.00		
	At compound wall side Sector 4 At road side At compound wall side	27				27.00		
	At compound wall side Sector 4 At road side At compound wall side Sector 5	27 55 55				27.00 55.00 55.00		
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	27 55 55 55 51				27.00 55.00 55.00 51.00		
	At compound wall side Sector 4 At road side At compound wall side Sector 5	27 55 55				27.00 55.00 55.00 51.00 51.00		
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	27 55 55 55 51				27.00 55.00 55.00 51.00 51.00 <u>266.00</u>	2788.00	7,41,608.00
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	27 55 55 51 51				27.00 55.00 55.00 51.00 51.00	2788.00	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	27 55 55 55 51				27.00 55.00 55.00 51.00 51.00 <u>266.00</u>	2788.00	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	27 55 55 51 51				27.00 55.00 55.00 51.00 51.00 <u>266.00</u>	2788.00	
ion SoR I	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side	27 55 55 51 51				27.00 55.00 55.00 51.00 51.00 <u>266.00</u>	2788.00	
on SoR I	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side	27 55 55 51 51 51 51 51 51		pole with C	CI embellishm	27.00 55.00 51.00 51.00 <u>266.00</u> Nos.		
lon SoR I	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu	27 55 55 51 51 51 51 51 51 51 51 51 51	ative cast iron			27.00 55.00 55.00 51.00 51.00 266.00 Nos.	The bottom	
lon SoR I	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu Cl portion should have round mounting base o	27 55 55 51 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia.	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu	27 55 55 51 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia.	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu Cl portion should have round mounting base o	27 55 55 51 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia.	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu Cl portion should have round mounting base o Foundation bolts and Templates included. The v	27 55 55 51 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia.	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu Cl portion should have round mounting base o Foundation bolts and Templates included. The v	27 55 55 51 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia.	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side At compound wall side	27 55 55 51 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia.	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than tect of the PMC a 27.00	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu CI portion should have round mounting base o Foundation bolts and Templates included. The v Executive Engineer of MSCL. (Approved Rate) At road side At compound wall side	27 55 55 51 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia.	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than tect of the PMC a	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu CI portion should have round mounting base o Foundation bolts and Templates included. The v Executive Engineer of MSCL. (Approved Rate) At road side At compound wall side Sector 4	27 55 55 55 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia. rried out as pe	The top po	rtion should	27.00 55.00 51.00 266.00 Nos. ent duly welded. not be less than tect of the PMC a 27.00 27.00	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side At compound wall side Supplying, Erection and testing of 2.7m (minimu Cl portion should have round mounting base o Foundation bolts and Templates included. The v Executive Engineer of MSCL. (Approved Rate) At road side At compound wall side Sector 4 At road side	xub Tota xub To	ative cast iron 1 250mm dia. rried out as pe	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than tect of the PMC a 27.00 27.00 55.00	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu Cl portion should have round mounting base o Foundation bolts and Templates included. The v Executive Engineer of MSCL. (Approved Rate) At road side At compound wall side Sector 4 At road side At compound wall side	27 55 55 55 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia. rried out as pe	The top po	rtion should	27.00 55.00 51.00 266.00 Nos. ent duly welded. not be less than tect of the PMC a 27.00 27.00	The bottom 90mm dia.	
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side At compound wall side	27 55 55 51 51 51 51 51 51 51 51 51 51 51	ative cast iron 1 250mm dia. rried out as pe	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than tect of the PMC a 27.00 27.00 55.00 55.00	The bottom 90mm dia.	7,41,608.00
	At compound wall side Sector 4 At road side At compound wall side Sector 5 At road side At compound wall side At compound wall side Items - Approved Rate Supplying, Erection and testing of 2.7m (minimu Cl portion should have round mounting base o Foundation bolts and Templates included. The v Executive Engineer of MSCL. (Approved Rate) At road side At compound wall side Sector 4 At road side At compound wall side	sub Tota m)height decora f not more thar vork shall be car 27 27 27 27 55	ative cast iron n 250mm dia. rried out as pe	The top po	rtion should	27.00 55.00 51.00 51.00 266.00 Nos. ent duly welded. not be less than tect of the PMC a 27.00 27.00 55.00	The bottom 90mm dia.	



SI.No.	Description of work	No	L	В	D	Quantity	Poto	Amount
51.INO.	Description of work	NU	<u> </u>	Б		-	Rate 29700.00	Amount 79,00,200.00
						<u>266.00</u>	29700.00	79,00,200.00
	Currelying of Managlava tiles. Circle groups					Nos.	unding of finding of	
2	Supplying of Mangalore tiles- Single groove -	16" x 9" size poi	nted with 1:4	cement mor	tar over the	existing ratter inci	luaing fixing	
2	charges curing complete per instructions of Arch	nitect of PMC and	d EE enginee	r in charge N	ISCL. (Appro	oved Rate)		
	Footpath roofing							
	Sector 3	2	28	2		112		
	Sector 4	2				320		
	Sector 5	1				30		
		1		2		60		
		1	100	2		200		
		1	75			150		
			/0			872		
	Considered 50% of Total area		-			436		
			-		Sov	430	362.00	1,62,900.00
					Say		362.00	1,62,900.00
	Data nan Cara		(0			Sqm		
	Rate per Sqm	362.00						
	Supplying of Mangalore tiles - Ceiling tiles of	size 12.75" x 9.2	25 " pointed w	ith 1:4 ceme	ent mortar ov	ver the existing raft	er including	
3								
	fixing charges curing complete as per instruction	ns of Architect of	PMC and EE	engineer in	charge MSC	L (Approved Rate)		
	Footpath roofing							
	Sector 3	2	28	2		112		
	Sector 4	2	80			320		
	Sector 5	1				30		
		1	30	2		60		
		1	100			200		
		1	75			150		
						872		
	Considered 25% of Total area					218		
					Say	230	377.00	86,710.00
			-		Jay	Sqm	377.00	00,710.00
	Rate per Sqm	377.00	/Sam			Squi		
	Supplying of Mangalore tiles - Skylight tiles -			comont mor	tar over the	ovicting rofter incl	uding fiving	
4		•				•	uung nxing	
	charges curing complete as per instructions of A	Architect of PMC	and EE engir	eer in charge	e MSCL (App	proved Rate)		
	Footpath roofing							
	Sector 3	2		2		112		
	Sector 4	2		2		320		
	Sector 5	1	15	2		30		
		1	30	2		60		
		1	100	2		200		
		1	75	2		150		
						872		
	Considered 50% of Total area					436		
					Say	460	1356.00	6,23,760.00
			1			Sqm		
	Rate per Sqm	1356.00	/Sam					
	Supplying of Wood Polymer Composite Hybrid) kg/cum hav	ing 18mm th	ickness and 200 m	m height as	
	eaves board as per the approved design using (J	5		3	
5	The scope of work shall include the supply of n			NC machine	, necessary	labour, accessorie	es complete	
÷	as per the specification and requirements as p	er the instructio	ns of the Arc	hitect of the	PMC and in	hcharge Executive	Engineer of	
	MSCL. (Approved Rate)					-	-	
	Sector 3	2	35	0.2		14.00		
		4				1.60		
	Sector 4	2				36.00		
		20				8.00		
	Sector 5	20						
	Sector 5	15				27.60		
		15	2	0.2		6.00		
			ļ			93	1005.00	4 77 705 00
			ļ			<u>97</u>	4925.00	4,77,725.00
			Ļ	l		Sqm.		
		Sub Tot	al					92,51,295.00

Assistant Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru General Manager Technical MSCL Mangaluru



Name	of the Work : Providing Highma	ast Light	ting pole	es ,Ligh	ting Lun	ninaires ar	nd Cabli	ng
SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
		HIGH MA						
	Fabrication, Supplying, Erection, Testing and	Commission	ing ofN	Atrs long po	olygon high	mast with Singl	e / Multiple	
	telescopic sections having, (minimum overlap dis	stance of 1.5	times of top	section) thi	ckness as pe	er BSEN 10025	grade S 355	
	JO /ASTM A572-50 steel sheet plate for shaft su	itable to with	istand a wind	d velocity of	47 m/sec as	per IS 875 part	3(as per GA	
	Drawing).Base plate as per IS 2062/ASTM A5	72-50. The	mast shall	be Galvaniz	ed in single	Hot-dip as per	BSEN ISO	
	1461/ASTM A123 with an average 70 microns as	per IS 2629	, and welded	as per BS	5135 Single	L-Seam joint. Th	e mast shall	
	have 2way head frame with die cast LM-6 pull	eys, stainles	s steel axle	, Phosphoru	is Bronze be	aring bush pres	s-fitted with	
	separate guides for 2 runs of 5mm dia, stainless	steel wire ro	pe of AISI 30)4grade 7/19	9-core, (Facto	or of Safety as p	er TR no-7).	
1	2.5sqmm EPR insulated PCP sheathed trailing p	oower cable	housed insid	de the botto	m shaft of m	ast with door ha	wing locking	
	arrangement. The mast shall have manual / pow	ver tool (Suita	able reversib	le geared m	otor operatin	g on 230/ 415V,	50Hz, shall	
	be provide above 15 Mtrs mast) The mast shall h	ave lantern o	of 2 segment	s, suitable d	lia with max I	oad carrying cap	acity as per	
	IS 1239. The mast shall be erected on existing	RCC footing	g. The mast	shall be su	pplied with 3	mm thick templa	ate, lightning	
	arrester of 1.2m length galvanized pipe with top	arrow fitted of	on top of the	head frame	cover and G	LS type aviation	n twin lamps	
	fitting with wiring complete. (excluding foundation) as per tech	nical data.				·	
	16Mtrs - Top 150mm and bottom 410 mm dia	, .						
	PWD Electrical SR Item No. 4.5.2 , page no. 15							
	Sector 2	-			-	1		
	Sector 3				Say	1	140800	140800
					Ĺ	Each		
	Quarky of LED floodlight luminoirs with success	un die enst	aluminium k	ausian had	. for outing		ation Lana	
	Supply of LED floodlight luminaire with pressu compartment comprising of anti glare clear di			•				
	superior light output. Rated life Burning Hrs 5		,			0	, 0	
	electrical compartment & impact resistance of co	•						
	5KV along with Over voltage/ Overload, short o		• •			•		
2	40mm to 50mm. Universal Voltage driver to oper IS 10322/ IEC 60598, LM 79 & LM 80 Adherence						-	
2	to ensure ease of maintenance at the sight site				-	-	-	
	Power consumption. LED Efficiency>130lm/w,	nominal C	RI >75. Lu	minaire mar	nufacturer sl	nould have inho	ouse facility	
	accredited by NABL/CPRI & any Government c	•						
	Housing with supplier word mark /name shall b Years against any manufacturing defect working	-	-				-	
	LED manufacturer LED Floodlight 240W						<u>g</u> ,	
	PWD Electrical SR Item No. 12.9.7, page no. 67							
	Sector 3	1				6		
		·			Say	<u>6</u>	18400	110400
						Each		
	Fixing halogen/metal halide / SVL / IL / LED floo	dlight fitting	over existing	n nole / wall	ceiling inclu	ding clamps bol	te nute and	
3	wiring using suitable capacity wires.	Soligine intering		g pole / wall	cening meta	ang clamps, bo	13, 11013 4110	
	PWD Electrical SR - Item no. 14.5, Page no.79							
	Contra 2	1						
	Sector 3				Say	6 6	175	1050
						Each		
	Supplying 100 opposited options with a state	ue her	roguine -1 -	nooite ale et	obutic al	um otrino	od with here	
	Supplying 100 amps rated 3phase with natural b	•						1
4	shrinkable coloured PVC sleeve, mounted on pl							
	M>S flat frame work in existing panel board, the	e bus bar sh	nall have sui	table holes	for terminatio	on of incoming a	nd outgoing	
	cables as per IS specification with necessary bol		washers etc	, complete.		1	1	
	PWD Electrical SR - Item no. 5.40.1 Page no.30							
						<u>2.5</u> m	2050	5125
5	Supplying and fixing angle Iron frame work fabric		•		k and MS fla	t with bolts wash	ners etc and	
	painted with two coats of red oxide and then two		roved paint.	75*75*6mm	1			
	PWD Electrical SR - Item no. 5.41.3 Page no.30	1				10	460	4600
						m		4000
6	Supplying and fixing porcelain fuse channel with	cut outs on	existing woo	oden panel i	using bolt nu	t and washers -	63A (EPWD	l
	SR 19-20 5.7.3) PWD Electrical SR - Item no. 5.7.3 Page no.25	1	1					<u> </u>
-		1	1		1	<u>15</u>	227	3405
						Each		
		L	L	l	1			I



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	Supplying ,fixing, wiring earth electrode for grou	-	its I.C. cuto		_			
	40mm dia 2.90 thick G.I pipe 2.5 mtrs long burie	d in a pit. Th	ne pit should	be filled. W	ith equal pro	portion os salt a	and charcoal	
7	150mm alround the pipe to complete, depth the		•					
1							-	
	wire of size as per ISI specification 733. Of IS 73	2using 12mn	n dia bolts, r	luts, washers	s and checkr	nuts etc. The pip	e shall have	
	16 though holes of 122 mm dia.					1		
	PWD Electrical SR - Item no. 6.1 Page no.40					5	2999.7	14998.5
						Nos.	2999.7	14990.0
	Fabricating supplying and mounting MS box	made outs	SWG suitab	le for floor/	wall mountin	ng, fully weathe	r proof with	
8	provision for better heat dissipation, provided wi	th hinged fro	nt cover, eq	uipped with	tamper proof	f locking arrange	ements, with	
Ū	suitable size clamps with necessary cable entry	pipe with gl	land and box	should be	finished with	2 coats of red	oxide primer	
	paint and finally finished with- 14SWG				-			
	PWD Electrical SR - Item no. 5.42.1 Page no.30	1				72000	0.4	28800
						Sqcm	0.4	20000
	Supplying and fixing miniature circuit on existing	g M C B dist	ribution boa	rd using nec	essary fixing	materials and o	c type curve	
9								
	indicators on/off energy cross-3 with short circuit	breaking cap	pacity of 10k	and comple	te wiring as r	equired 5-32 am	ips TPN	
	PWD Electrical SR - Item no. 5.46.6 Page no.31	r						(070
						<u>5</u> Each	994	4970
						Lach		
4.0	Supply and fixing of 4pole power contractor with	NO/NC con	tacts on exi	sting wood/	panel board	using necessary	bolts, nuts,	
10	washers and wiring etc., complete with AC-3 Rational states and wiring etc., complete with AC-3 Rational states and state	ng and as pe	er IS-13947-6	0-70AMPS				
	PWD Electrical SR - Item no. 5.13.3 Page no.26							
						5	4200	21000
						Each		
11	Supplying and fixing microprocessor based electr	ronic timer us	sing necess	ry holts nu	ts atc			
	PWD Electrical SR - Item no. 5.47 Page no.32				13, 610			
					Say	5	1925	9625
						Each		
12	LT Single phase 5-30A, DLMS complaint static e				() (avetem)			
	(MESCOM SR 18-19 I.No: 54.05, Page no. 16 , 5	Son Stanuar	U SLOCK Male	inais ior i i r		5	671	2255
					Say	Nos.	0/1	3355
-								
13	Anchor Bolts 750 mm							
	SR , Item no. 287, Code no. 2018, Page XI						101.10	000 50
		8				<u>8</u> Nos.	121.19	969.50
						1103.		
	Basic rate	110.17						
-	Add 10% for Malnad area works	<u>11.02</u>	a.					
	Total	<u>121.19</u>	/Nos					
14	Fixing of base plates and anchor Bolts							
	Rate analysis							
		4				4	58.00	232.00
						Nos.		
	Supply of LED floodlight luminaire with pressu	FLOOD LIG		oucing body	y for optimo	l thormal discin	ation Lamp	
	compartment comprising of anti glare clear dif					•		
			-			-	-	
	superior light output. Rated life Burning Hrs 5	-						
	electrical compartment & impact resistance of co	•						
	5KV along with Over voltage/ Overload, short circ		• ·			•		
	to 50mm. Universal Voltage driver to operate wi	•	•			•		
15	10322/ IEC 60598, LM 79 & LM 80 Adherence v					-	-	
	ensure ease of maintenance at the sight site lo				-		-	
	Power consumption. LED Efficiency>130lm/w,						-	
	accredited by NABL/CPRI & any Government co					•		
	Housing with supplier word mark /name shall be	-	-					
	Years against any manufacturing defect working	under stand	ard electrica	al conditions	as mentione	ed above should	be given by	
ļ	LED manufacturerLED Floodlight 70W	T	1	1	r			
	LED Floodlight 70W PWD Electrical SB Item no. 12.9.1 Page no. 67							
	PWD Electrical SR Item no. 12.9.1, Page no. 67							
	Sector 3	2			<u>L</u>	3		
					Say	6	6800	40800
						Each	├	
	Fixing halogen/metal halide / SVL / IL / LED floo	dlight fitting	over existing	n pole / wall	ceiling inclu	l ding clamps bol	ts, nuts and	
16	wiring using suitable capacity wires.		2.0. 0/10/11	,, man		g s.a.npo, boi	,	
	PWD Electrical SR Item No. 14.5, page no. 79							



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
0	Sector 3	2			_	3		
					Say	6	175	1050
						Each		
	CHA							
	Supplying of recess mounting non integrated typ	DED ROOF		N luminaire	comprising o	of pressure deca	st/ extruded	
	aluminium housing, with spring loaded false ceilin							
	>100 lumen per watt, 120degree beam spread,					-	-	
	LM 80. The lamp compartment is enclosed with		-	-				
17	HF electronic driver integrated in a separate cont				-	-	-	
	short circuit & open circuit protection to be integr	-	-	-				
	voltage should be between 130 to 275 volts. B						• •	
	Warranty against any manufacturing defect worki					ited laberatory i	nin z youro	
	15-18 W				1. 13 10 11			
	PWD Electrical SR Item No. 12.4.3, page no. 65							
	-							
	Sector 3	2				32		
	Sector 4	2				92		
	Sector 5	2	35			70 194		
					Say	194	2000	390000
					Oay	Each	2000	000000
	Fixing all types and all capacities of fluorescent /	false ceiling	/ spot light /	CFL / LED 1	fittings indoor	r on the wall / ce	iling / rafters	
18	/ girders using 23/0.0076" twin twisted PVC inst	ulated wires	, required N	os of round	blocks and	clamps On wa	all / ceiling /	
	Rafter / Girders							
	On wall / ceiling / Rafter / Girders							
	PWD Electrical SR Item No. 14.7.1, page no. 79							
	Captor 2	2	16	1		20		
	Sector 3 Sector 4	2				32 92		
	Sector 5	2				70		
						194		
					Say	<u>195</u>		21450
						Each		
			ET LIGHTS		h, for ontime	l thermal dissin	ation Lamn	
	Supply of LED Streetlight luminaire with pressu compartment comprising of anti glare clear diffe							
	output. Rated life Burning Hrs 50000 hr @ Lumer							
	to 70 degrees. CCT > 5500K, IP 66 optical and			-	-		-	
	Power Factor >0.9 with mains, Surge Protecti		-	-		-		
	protection. Compatible for pole mouting with our		-		-		-	
19	range from 100V to 270V 50/60Hz application. C	ompliance to	IS 10322/IE	EC 60598, L	M 79 & LM 8	0 Adherence wit	h RoHS. UL	
	approved MCPCB. Top access street light with	single scre	w to ensure	ease of ma	aintenance at	t the sight site I	ocation with	
	minimized minimal tools. LED Light fixture with	W Sys	stem Power	consumptior	n. LED Efficie	ency>130lm/w, i	nominal CRI	
	>75. Luminaire manufacturer should have in-ho	-			-			
	Design & Development facility certified by ISO		-				-	
	Embossing on the die cast housing/ Body part. V	-	-	-	-	-	der standard	
	electrical conditions as mentioned above should	be given by l	LED manufa	cturer LEC) Streetlight 4	Owatts		
	LED Streetlight 40watts PWD Electrical SR - Item no. 12.8.2, Page no. 63	7						
	Sector 1	34				34		
	Sector 3	26				26		
	Sector 4	24				24		
	Sector 5	22			Sav	22 106	3360	356160
					Say	Nos.	3300	350100
		1		1	1	1103.		
20	Fixing halogen/metal halide / SVL / IL / LED floo	dlight fitting	over existing	g pole / wall	ceiling inclu	ding clamps, bol	ts, nuts and	
20	wiring using suitable capacity wires.	I	1	T	1			
	PWD Electrical SR - Item no.14.5 Page no. 79							
	Sector 1	34				34		
	Sector 3	26 24				26 24		
	Sector 4 Sector 5	24				24		
					Say	<u>106</u>		18550
						Each		
1	1		1	1	1	1		



					_			SMART CITY Pat
SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
		OST TOP L		a agat alum	inium housin	a hady for anti	mal thermal	
	Supply of LED pole mounting type post top la dissipation. Lamp compartment comprising of							
	material, delivering superior light output.Rated lif							
	optical and electrical compartment & impact res	•		-				
	Protection- Min 5KV along with Over voltage/Over							
01	outer dia of 40mm to 50mm. Universal Voltage			• •			•	
21	Compliance to IS 10322/IEC 60598, LM 79 & LM							
	nominal CRI >75. Luminaire manufacturer shoul	d have inhou	ise facility a	ccredited by	/ NABL/CPRI	& any Governm	ent certified	
	agency & Design & Development facility certif							
	Engraved / Embossing on the die cast housing							
	under standard electrical conditions as mentione	ed above sho	ould be giver	n by LED m	anufacturer	LED Post Top I	Lantern with	
	25 watts LED Post Top Lantern with 25 watts	1			T			
	PWD Electrical SR - Item no. 12.7.1, Page no.66							
-		,						
	Sector 2	29			1	29		
-	Sector 3	24				24		
					Say	<u>53</u>	5600	296800
						Nos.		
22	Fixing charges of post top/ Gate/ Garden fitting	/LED on the	existing CI	/ GI or any	other pipe us	ing required size	e of reducer,	
	wiring using suitable wires.	1			1	1		
	PWD Electrical SR - Item no. 14.6, Page no.79							
	Sector 2	29			+	29		
-	Sector 3	24			Cart	24 53	154	0100
	+	ł			Say	Each	154	8162
						Lacii		
	с 	ABLING W	OBKS					
	Supplying of 1.1 KV LT UG cable XLPE or Heat r			PVC extrude	d Inner shea	th armoured UG	LT cable as	
23	per IS-1554 (Part-1) or IS-7098 Part-1, Armouring							
20		g ourp thorn		go ro/o ana	redictivity i i			
	(Max) as per IS-3975 - 3.5 core 25 sqmm PWD Electrical SR - Item no. 6.4.5, Page no.40				T			
	TWD Electrical Sit - Item no. 0.4.3, Tage no.40				Say	2100	180	378000
					Say		100	378000
24	PVC Pipes as per IS-2509 - 40 mm Dia							
	PVC Pipe - 40 mm Dia							
	(MESCOM SR 18-19 I.No :46.04, Sl.no 367 , 778	3040, Page n	o. 14 , SoR	Standard st	ock materials	for 11 kV syster	n)	
					Say	<u>2100</u>	46	96600
						m		
					L			
25	Labour charges for laying of 1.1 KV class UG cal	ole in existing	trench GI p	oipe / stonew	are pipe / on	wall / on pole as	s required	
	in existing trench/duct- 25 sqmm to 75 sqmm PWD Electrical SR - Item no. 6.5.2, Page no.41			1	1			
	FWD Electrical SR - Item no. 6.5.2, Fage no.41	1			Cart	0100	15.5	00550
	-				Say	<u>2100</u> m	15.5	32550
						111		
	Digging of trench of 0.6m deep x 0.50 mtr wide re	efilling the tre	nch to the re	equired arou	nd level and	consolidating etc		
26	complete.(As per Civil SR KSRB I-2, P-7) - In soi					y	,	
	PWD Electrical SR - Item no. 6.6.2, Page no.41	, ,						
-					Say	2100	102	214200
					Í	m		
27	Providing and filling sand in excavated trench to o	cover already	laid UG cat	ole to a dept	h of 150mm a	all-round the cab	le.	
	PWD Electrical SR - Item no. 6.7, Page no.41							
					Say	<u>2100</u>	100	210000
	Development in the second		1	te star have		dan barra and		
	Supplying heavy gauge PVC Conduit Pipedia				· ·			
28	etc., by groove cutting in the wall and fixing by br 18 SWG GI fish wire run throughout the conduit					e wall surface ar	na run with	
			essary. 13/4					
	PWD Electrical SR Item no. 1.3.1, Page no. 2	-		ł	Sav	980	51	49980
	+				Say	<u>980</u> m	51	49900
<u> </u>	Wiring for lighting/power circuit using one of FRL	S PVC insula	ted 1100V	urade multis	trand conner		nductor	
29	resistance single core in open or concealed syste							
	samm							
	PWD Electrical SR Item no. 2.3.3, Page no. 6							
				L	Say	<u>980</u>	32	31360
						m		04 04 000 00
1		Sub Tot	ai					24.94.992.00

Assistant Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru General Manager Technical MSCL Mangaluru



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	– –	HIG	H MAST PO	DLES				
	KSRB 2-2 : Earthwork excavation by M	lanual means for	foundation	of buildings,	water supp	oly and sanitary	lines and	
	electrical conduits either in pits or in tre	nches 1.5m and	above in wid	th, in soil	not exceedin	g 1.5 m. in dep	th including	
1	dressing the bottom and sides of pits ar	nd trenches stac	king the exc	avated soil o	lear from ed	nes of excavatio	n with lead	
			•			•	in man loud	
	upto 50 m. including breaking of clods co For high mast	inplete as per spe	cilications. s	pecilication.	INU. KD3 2.1	(a) / 2.3.5		
	Sector 2	1	3.00	3.00	2.00	18.00		
	Sector 3	1	3.00	3.00	2.00	18.00		
						36.00		
					Say	36.00	Cum	
a)	In Ordinary Soil 90%							
	S.R. Item No. 2.3 Page 6		36.00	Х	0.90	<u>32.40</u>	328.90	10,656.3
		000.00				Cum		
	Basic rate	299.00						
	Add 10% for Malnad area works Total	<u>29.90</u> 328.90						
b)	In Hard soil 10%	<u>520.30</u>	/Guin					
0)	S.R. Item No. 2.4 Page 6		36.00	Х	0.10	3.60	492.80	1,774.0
						Cum		, -
	Basic rate	448.00						
	Add 10% for Malnad area works	44.80						
	Total	<u>492.80</u>	/Cum					
	KSRB 4-1.2 : Providing and laying in posi				-			
2	size graded granite metal course aggrega	ates @ 0.892 cun	n and fine ag	gregates @	0.465 cum m	achine mixed, c	oncrete laid	
2	in layers not exceeding 15 cms. thick, v	well compacted, i	n foundation	including c	ost of all ma	terials, labour, l	HOM curing	
	complete as per specifications. Specificat	ion No. KBS 4.1,	4.2					
	S.R. Item No. 4.2 Page 13							
	Sector 2	1	2.80			0.78		
	Sector 3	1	2.80	2.80	0.10	0.78		
					Cau	1.56	0175 40	0.000.0
					Say	<u>1.60</u> Cum	6175.40	9,880.6
	Basic rate	5614.00				Cum		
	Add 10% for Malnad area works	561.40						
	Total	6175.40						
		0175.40	/Cum					
		0173.40	/Cum					
	KSRB 2.3- Filling available excavated ea			of foundation	is upto plinth	in layers not ex	ceeding 20	
3	KSRB 2.3- Filling available excavated ea cms. In depth, compacting each deposite	arth (excluding roo	ck) in sides (-	
3		arth (excluding roo ed layer by rammi	ck) in sides on ng after wate	ering with lea			-	
3	cms. In depth, compacting each deposite	arth (excluding roo ed layer by rammi	ck) in sides on ng after wate	ering with lea			-	
3	cms. In depth, compacting each deposite cost of all labour complete as per specific	arth (excluding roo ed layer by rammi	ck) in sides on ng after wate	ering with lea	ad upto 50m		-	
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC	arth (excluding roo ed layer by rammi ations. Specificat 1	ck) in sides of ng after wate ion no. KBS 3.00 0.78	ering with lea 2.9 3.00	ad upto 50m	and lift upto 1.5 18 -0.78	-	
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC	arth (excluding roo ed layer by rammi ations. Specificat 1 -1 -1	ck) in sides of ng after wate ion no. KBS 3.00 0.78 3.04	ering with lea 2.9 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04	-	
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3	arth (excluding roo ed layer by rammi ations. Specificat 1 -1 -1 -1	k) in sides (ng after wate ion no. KBS 3.00 0.78 3.04 3.00	ering with lea 2.9 3.00 3.00 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04 18.00	-	
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC	arth (excluding roo ed layer by rammi ations. Specificat 1 -1 -1 -1 -1 -1	k) in sides of ng after water of no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 3.00 0.78	ering with lea 2.9 3.00 3.00 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78	-	
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3	arth (excluding roo ed layer by rammi ations. Specificat 1 -1 -1 -1	k) in sides (ng after wate ion no. KBS 3.00 0.78 3.04 3.00	ering with lea 2.9 3.00 3.00 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 -3.04	-	
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC	arth (excluding roo ed layer by rammi ations. Specificat 1 -1 -1 -1 -1 -1	k) in sides of ng after water of no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 3.00 0.78	ering with lea 2.9 3.00 3.00 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36	m including	6.633.0
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC	arth (excluding roo ed layer by rammi ations. Specificat 1 -1 -1 -1 -1 -1	k) in sides of ng after water of no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 3.00 0.78	ering with lea 2.9 3.00 3.00 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00	-	6,633.0
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC	arth (excluding roo ed layer by rammi rations. Specificat 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ck) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04	ering with lea 2.9 3.00 3.00 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36	m including	6,633.0
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC	arth (excluding roo ed layer by rammi ations. Specificat 1 -1 -1 -1 -1 -1	ck) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04	ering with lea 2.9 3.00 3.00 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00	m including	6,633.0
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less CC less RCC	arth (excluding roo ed layer by rammi sations. Specificat 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	ck) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04	ering with lea 2.9 3.00 3.00 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00	m including	6,633.0
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less PCC less RCC Sector 4 Basic rate Add 10% for Malnad area works	arth (excluding roo ed layer by rammi ations. Specificat 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ck) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04	ering with lea 2.9 3.00 3.00 3.00	2.00	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00	m including	6,633.0
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC less RCC Basic rate Add 10% for Malnad area works Total RCC	arth (excluding roo ed layer by rammi rations. Specificat 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	k) in sides of ng after water ion no. KBS 3.00 0.78 3.00 0.78 3.00 0.78 3.04 3.00 0.78 3.04 1.00 0.78 1.00 0.00 0.78 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ering with lea	2.00 2.00 Say	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00 Cum	m including	6,633.0
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3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC less RCC Basic rate Add 10% for Malnad area works Total RCC	arth (excluding roo ed layer by rammi ations. Specificat 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ck) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 /Cum	ering with lea	2.00 2.00 Say	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00 Cum OPC @340kgs,	m including	6,633.0
3	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2. 10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less PCC less RCC KSRB 4.2.7: Providing and laying in pos and down size graded granite metal course	arth (excluding roo ed layer by rammi ations. Specificat 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	k) in sides of ng after water ion no. KBS 3.00 0.78 3.04 3.04 3.04 0.78 3.04 0.78 3.04 0.78 0.70 cum and 0.00 0.70 cum and 0.00 0.70 0.70 cum and 0.00 0.70 00 00 00 00 000 000 000 000 00000000	ering with lea	2.00 2.00 Say	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00 Cum OPC @340kgs, Cum, with super	m including	6,633.0
	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less PCC less RCC KSRB 4.2.7: Providing and laying in pos and down size graded granite metal cours @ 3 Its confirming to IS9103- 1999 Res	arth (excluding roo ed layer by rammi rations. Specificat 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ck) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.04 3.04 3.04 0.78 3.04 0.78 3.04 0.78 0.78 0.78 0.78 0.78 0.78 0.78 0.78	ering with lea	2.00 2.00 Say hix M25 with ates @ 0.470 id in layers	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00 Cum OPC @340kgs, Cum, with super not exceeding 1	m including	6,633.0
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	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC Basic rate Add 10% for Malnad area works Total RCC KSRB 4.2.7: Providing and laying in pos and down size graded granite metal court @ 3 Its confirming to IS9103- 1999 Rea vibrated for all works in ground floor level	arth (excluding roo ed layer by rammi rations. Specificat 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	k) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 3.04 0.77 0.770 chine mixed aircase, linte llars, posts,	ering with lea	A upto 50m 2.00 2.00 Say nix M25 with ates @ 0.470 id in layers s, retaining w sses, string of	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00 Cum OPC @340kgs, Cum, with super not exceeding 1 ralls, return walls or lacing courses	m including	6,633.C
	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2. 10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC Basic rate Add 10% for Malnad area works Total RCC KSRB 4.2.7: Providing and laying in pos and down size graded granite metal court @ 3 Its confirming to IS9103- 1999 Rea vibrated for all works in ground floor level thickness) including attached pilasters, c coping, bed blocks, anchor blocks, pla	arth (excluding roo ed layer by rammi ations. Specificat 1 1 1 1 1 1 1 201.00 201.00 20.10 201.00 20.10 221.10 ition reinforced co se agrregates @ (affirmed-2008, ma for roof slabs, sta olumns, lintels, pi in window cills, t	k) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 0.78 3.04 0.78 0.70 Cum chine mixed aircase, linte llars, posts, fillets etc., i	ering with lea 2.9 3.00 3.00 4.00 4.00 4.00 5.0	Ad upto 50m 2.00 2.00 Say Nix M25 with ates @ 0.470 id in layers s, retaining w sses, string of t of all mate	and lift upto 1.5	m including	6,633.0
	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC less RCC Basic rate Add 10% for Malnad area works Total RCC KSRB 4.2.7: Providing and laying in pos and down size graded granite metal cour @ 3 Its confirming to IS9103- 1999 Rea vibrated for all works in ground floor level thickness) including attached pilasters, c coping, bed blocks, anchor blocks, pla complete but excluding cost of reinforcem	arth (excluding roo ed layer by rammi ations. Specificat 1 1 1 1 1 1 1 201.00 201.00 20.10 201.00 20.10 221.10 ition reinforced co se agrregates @ (affirmed-2008, ma for roof slabs, sta olumns, lintels, pi in window cills, t	k) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 0.78 3.04 0.78 0.70 Cum chine mixed aircase, linte llars, posts, fillets etc., i	ering with lea 2.9 3.00 3.00 4.00 4.00 4.00 5.0	Ad upto 50m 2.00 2.00 Say Nix M25 with ates @ 0.470 id in layers s, retaining w sses, string of t of all mate	and lift upto 1.5	m including	6,633.0
	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC less RCC dess RCC Sector 3 less PCC less RCC l	arth (excluding roo ed layer by rammi ations. Specificat 1 1 1 1 1 1 1 201.00 201.00 20.10 201.00 20.10 221.10 ition reinforced co se agrregates @ (affirmed-2008, ma for roof slabs, sta olumns, lintels, pi in window cills, t	k) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 0.78 3.04 0.78 0.70 Cum chine mixed aircase, linte llars, posts, fillets etc., i	ering with lea 2.9 3.00 3.00 4.00 4.00 4.00 5.0	Ad upto 50m 2.00 2.00 Say Nix M25 with ates @ 0.470 id in layers s, retaining w sses, string of t of all mate	and lift upto 1.5	m including	6,633.0
	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC less RCC Basic rate Add 10% for Malnad area works Total RCC KSRB 4.2.7: Providing and laying in pos and down size graded granite metal cour: @ 3 Its confirming to IS9103- 1999 Rea vibrated for all works in ground floor level thickness) including attached pilasters, c coping, bed blocks, anchor blocks, pla complete but excluding cost of reinforcerr S.R Item No 4.12 Page No. 14	arth (excluding roo ed layer by rammi ations. Specificat 1 1 1 1 1 1 1 201.00 201.00 20.10 201.00 20.10 221.10 ition reinforced co se agrregates @ (affirmed-2008, ma for roof slabs, sta olumns, lintels, pi in window cills, t	k) in sides of after water of after water of a stress	ete design m d fine aggreg , concrete la sand beams struts, buttre ncluding cos cification No.	Ad upto 50m 2.00 2.00 Say Nix M25 with ates @ 0.470 id in layers s, retaining w sses, string w sses, string w	and lift upto 1.5	m including	6,633.0
	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC less RCC dess RCC Sector 3 less PCC less RCC l	arth (excluding roo ed layer by rammi rations. Specificat 1 1 1 1 1 1 201.00 201.00 201.00 20.10 221.10 201.00 20.10 221.10 ition reinforced cr se agrregates @ I affirmed-2008, ma for roof slabs, sta olumns, lintels, pi in window cills, fi	k) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 0.78 3.04 0.78 0.70 Cum chine mixed aircase, linte llars, posts, fillets etc., i	ering with lea	Ad upto 50m 2.00 2.00 Say Say hix M25 with ates @ 0.470 id in layers s, retaining w sses, string of ss, retaining w sses, string of all mate KBS 4.1, 4.6	and lift upto 1.5	m including	6,633.0
	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC less RCC Mainter and the specific specific specific less RCC less RCC Sector 3 less PCC less RCC Sector 3 less CC Sector 3 less CC Sector 3 less CC Sector 3 less CC Sector 3 less Sector	arth (excluding roo ed layer by rammi rations. Specificat 1 1 1 1 1 1 1 201.00 201.00 20.10 10 10 10 10 10 10 10 10 10 10 10 10 1	ck) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.04 3.04 0.78 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.78 0.70 0.70 0.70 0.70 0.70 0.70	ete design n d fine aggreg , concrete la sand beams struts, buttre ncluding cos cification No.	Ad upto 50m 2.00 2.00 Say Say hix M25 with ates @ 0.470 id in layers s, retaining w sses, string of ss, retaining w sses, string of all mate KBS 4.1, 4.6	and lift upto 1.5	m including	6,633.0
	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC Sector 3 less PCC less RCC Basic rate Add 10% for Malnad area works Total RCC KSRB 4.2.7: Providing and laying in pos and down size graded granite metal cours @ 3 Its confirming to IS9103- 1999 Rea vibrated for all works in ground floor level thickness) including attached pilasters, c coping, bed blocks, anchor blocks, pla complete but excluding cost of reinforcem S.R Item No 4.12 Page No. 14 Sector 2 For foundation Pedastal	arth (excluding roo ed layer by rammi rations. Specificat 1 1 1 1 1 1 1 201.00 201.00 20.10 10 10 10 10 10 10 10 10 10 10 10 10 1	ck) in sides of ng after wate ion no. KBS 3.00 0.78 3.04 3.04 3.04 0.78 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.04 0.78 0.78 0.70 0.70 0.70 0.70 0.70 0.70	ering with lea 2.9 3.00 3.00 4.00 4.00 5.0	Ad upto 50m 2.00 2.00 Say Additional Say Additional Say Say Additional Say Say Additional Say Say Additional Say Say Additional Additional Additiona	and lift upto 1.5	m including	6,633.0
	cms. In depth, compacting each deposite cost of all labour complete as per specific S.R. Item No. 2.10 Page 7 Sector 2 less PCC less RCC Sector 3 less PCC less RCC less RCC Basic rate Add 10% for Malnad area works Total RCC KSRB 4.2.7: Providing and laying in pos and down size graded granite metal cour: @ 3 Its confirming to IS9103- 1999 Rea vibrated for all works in ground floor level thickness) including attached pilasters, c coping, bed blocks, anchor blocks, pla complete but excluding cost of reinforcerr S.R Item No 4.12 Page No. 14 Sector 2 For foundation Pedastal Sector 3	arth (excluding roo ed layer by rammi ations. Specificat 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	k) in sides of ng after water ion no. KBS 3.00 0.78 3.04 3.00 0.78 3.04 3.04 7.70 cment concrost 7.70 cment concrost 7	ering with lea	Ad upto 50m 2.00 2.00 2.00 Say Say Additional and the set of a set of	and lift upto 1.5 18 -0.78 -3.04 18.00 -0.78 -3.04 28.36 30.00 Cum OPC @340kgs, Cum, with super not exceeding 1 alls, return walls or lacing courses prials, labour, H 5 2.03 1.01	m including	6,633.0



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
51.NO.	Description of work Basic rate		L	В	D		nale	Amount
		6431.00				Cum		ł
	Add 10% for Malnad area works	<u>643.10</u>	(0					
-	Total	<u>7074.10</u>	/Cum					
	ТМТ							
-						handina haaliin	a alasias is	
	KSRB 4.9.2 : Providing TMT steel reinforcement					-		
5	position, lapping and / or welding wherever	required, tyi	ing with bind	ding wire ar	nd anchoring	to the adjoinin	ng members	1
5	wherever necessary complete as per design	(laps, hooks	and wastage	e shall not b	e measured	and paid) cost	of materials,	1
	labour, HOM of machinery complete as per spe	ecifications	Specification	No KBS 4	63			1
	TMT Bars Fe 500		opeemeater		0.0			
	S.R. Item No. 4.46.2 Page 18	1						
	Sector 2	1						<u> </u>
	Sector 3	1	6.10	Х	80.00	488.00		
		· ·	0.10	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Kg/Cum	488.00		<u> </u>
					Say	500.00		
					Or	0.50	ě.	38,930.10
					01	Tonne		00,000.10
	Basic rate	70782.00				Tonne		
	Add 10% for Malnad area works	7078.20						
	Total	77860.20	/Toppo					
	Total	17800.20	/ TOTILE					
	Shuttoring							}
	Shuttering	toring obutt	oring otrutti		a ata and	romoval of fo	rm work for	
	KSRB4-4-6.1 : Providing and removing cen	-	-		-			1
6	foundations, footings, base of columns for	mass conc	rete includir	ig cost of	all materials	s, labour comp	lete as per	
	specifications.							
	Specification No. KBS 4.6.2	1			, ,			l
	S.R Item No 4.28 Page No. 16							
	Footing							
	Sector 2							
	Footing F1	4	2.6		0.3	3.12		
	Pedastal	4	0.75		1.8	5.4		
	Sector 3							
	Footing F1	4	2.6		0.3	3.12		
	Pedastal	4	0.75		1.8	5.4		
						17.04		
					Say	<u>17.1</u>	289.30	4,947.03
						Sqm		
	Basic rate	263.00						
	Add 10% for Malnad area works	26.30						
	Total	289.30	/Sqm					
	KSRB15-3.11 : Providing 20mm thick cemen	t plaster in s	ingle coat w	ith cement r	nortar 1:4, t	o stone masonr	y / concrete	
7	surface including rounding off corners wherev	ver required	smooth rend	lerina. Provi	ding and ren	novina scaffoldir	na. includina	1
	cost of materials, labour, curing complete as p			0,	0	0	с, с	1
	-do- cement mortar 1 : 4		0113.		1		1	
	S.R Item No 15.19 Page No. 116							
		1	3.00		0.75	2.25		}
	Sector 2 Sector 3	1	3.00		0.75			
	Sector 3	· ·	3.00		0.75			ł
					Cau	4.50 5.00		1 501 50
					Say			1,501.50
	Popio rata	273.00				Sqm		ł
	Basic rate							ł
	Add 10% for Malnad area works	27.30	/C ====					
	Total	<u>300.30</u>	/Sqm					
	KODD 15 10 1 . Dravidian and finishing actor						المتعم المتعمل	
	KSRB 15-16.1 : Providing and finishing exter	nai walis in	two coats w	iin waterpro	or cement pa	and of approve	a brand and	1
8	shade to give an even shade after thoroughly b	prooming the	surface to r	emove all di	t and loose p	powdered mater	ial, free from	1
		-			-			1
	mortar drops and other foreign matter cost of n	naterials, lab	our, complet	e as per spe	cifications	with primer	1	
	Item no 15.53.2 ,Page no. 120							
	For pedestal							
	Sector 2	1	3.00		0.75	2.25		
	Sector 3	1	3.00		0.75	2.25		
						4.50		
					Say	<u>5.00</u>	112.20	561.00
		ļ				Sqm		
	Basic rate	102.00						
	Add 10% for Malnad area works	10.20						
	Total	<u>112.20</u>	/Sqm					
						`		ļ
9	PVC Pipes as per IS-2509							
	PVC Pipe - 75 mm Dia							
	SI No 370 Item no 46.07 ,Material code :77807	75,Pg 14.(ME		Rates for sta	indard stock	,		ļ
	Sector 2	1	2.00			2.00		
	Sector 3	1	2.00			2.00		
						<u>4.00</u>	80.00	320.00
						m		
	Dismantling, shifting and reinstallation of existi	ing high mas	t pole as per	the specific	ation and ins	structions of Arc	hitect of the	
10	PMC/ Executive Engineer of MSCL							1



								SMART CITY
SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
-	Rate Analysis	1				1.00		14,884.00
				1		Nos.		,
						1103.		
	et l	DEETLICH		I				
		REETLIGH						
	KSRB 2-2 : Earthwork excavation by Manua	I means for	foundation	of buildings,	water sup	bly and sanitary	/ lines and	
	electrical conduits either in pits or in trenches	1.5m and a	above in wid	lth, in soil	not exceedir	ng 1.5 m. in dep	th including	
11	dressing the bottom and sides of pits and tre	nchos stacl	king the eve	avated soil c	lear from er	laps of excavation	on with lead	
			-			-	on with lead	
	upto 50 m. including breaking of clods complete	e as per spe	cifications. s	pecification.	No. KBS 2.1	(a) / 2.3.5		
	For light poles							
	Sector 1	34	1.00	1.00	1.70	57.80		
	Sector 3	26	1.00	1.00	1.70	44.20		
	Sector 4	24	1.00		1.70			
	Sector 5	22	1.00		1.70			
			1.00	1.00	1.70	180.20		
				ł	Sav		0	
-)	ha Quella e e Quello 2007				Say	<u>182.00</u>	Cum	
a)	In Ordinary Soil 90%		100.00			100.00		
	S.R. Item No. 2.3 Page 6		182.00	Х	0.90	<u>163.80</u>	328.90	53,873.8
						Cum		
	Basic rate	299.00						
	Add 10% for Malnad area works	29.90						
	Total	328.90	/Cum					
b)	In Hard soil 10%			1				
-/	S.R. Item No. 2.4 Page 6		182.00	Х	0.10	18.20	492.80	8,968.9
			.02.00			Cum	.02.00	0,000.0
	Pagio rato	110 00				Guill		
	Basic rate	448.00						
	Add 10% for Malnad area works	44.80						
	Total	<u>492.80</u>	/Cum					
						l		
	KSRB 4-1.2 : Providing and laying in position p	lain cement	concrete of	mix 1:3:6 wit	h OPC @ 22	0 kgs, with 40m	m and down	
	size graded granite metal course aggregates @	⊅ 0.892 curr	n and fine ag	gregates @	0.465 cum n	nachine mixed, c	oncrete laid	
12	in layers not exceeding 15 cms. thick, well c		-					
	-	-		including c			TOW Curring	
	complete as per specifications. Specification N	<u>o. KBS 4.1, 4</u>	4.2	r				
	S.R. Item No. 4.2 Page 13							
	Sector 1	34	0.80		0.10	2.18		
	Sector 3	26	0.80	0.80	0.10	1.66		
	Sector 4	24	0.80	0.80	0.10	1.54		
	Sector 5	22	0.80	0.80	0.10	1.41		
						6.78		
					Say	7.00	6175.40	43,227.8
					ouy	Cum	0170110	10,22710
	Decis rate	5014.00				Cum		
	Basic rate	5614.00						
	Add 10% for Malnad area works	<u>561.40</u>		-				-
	Total	<u>6175.40</u>	/Cum					
	KSRB 2.3- Filling available excavated earth (e	excluding roc	k) in sides (of foundation	is upto plinth	n in layers not e	xceeding 20	
13	cms. In depth, compacting each deposited lay	er by rammi	ng after wate	ering with lea	d upto 50m	and lift upto 1.5	m including	
	cost of all labour complete as per specifications	s Specificati	on no KBS	29			Ŭ	
		5. opcomout		1				
	S.R. Item No. 2.10 Page 7	0.4	1.00	1.00	1 70	57.0		
	Sector 1	34			1.70	57.8		
	Less PCC	-1	2.18			-2.176		
	Less RCC	-1	26.66			-26.66		
	Sector 3	26			1.70	44.2		
	Less PCC	-1	1.66			-1.664		
	Less RCC	-1	20.38			-20.38		
	Sector 4	24	1.00		1.70	40.80		
	Less PCC	-1	1.54		1.70	-1.54		
	Less RCC	-1	1.54			-1.54		
					4 70			
	Sector 5	22	1.00		1.70	37.40		-
	Less PCC	-1	1.41			-1.41		
	Less RCC	-1	17.25			-17.25		
						90.31		
					Say	92.00	221.10	20,341.2
	1		1	1	, i	Cum		
	Basic rate	201.00				Guill		
						<u> </u>		
	Add 10% for Malnad area works	20.10						
	Total	<u>221.10</u>	/Cum					
						l		
	RCC							
	KSRB 4.2.7: Providing and laying in position	reinforced ce	ement concr	ete design m	nix M25 with	OPC @340kgs,	with 20mm	
	and down size graded granite metal course ag	rregates @ ().70Cum and	d fine addred	ates @ ∩ 47	Cum, with super	plasticisers	
		-				-		
	@ 3 Its confirming to IS9103- 1999 Reaffirme	90-2008, ma	cnine mixed	, concrete la	id in layers	not exceeding 1	ocms thick,	
14	vibrated for all works in ground floor level for ro	oof slabs. sta	aircase, linte	Is and beams	s, retainina v	alls, return walls	s, walls (anv	
					-			
	thickness) including attached pilasters, column					•		
	coping, bed blocks, anchor blocks, plain with	ndow cills, f	illets etc., i	ncluding cos	t of all mat	erials, labour, H	IOM curing,	
	complete but excluding cost of reinforcement a			•			5,	
	· · · · · · · · · · · · · · · · · · ·	s per specille	outions. ope	incation NO.				
	S.R Item No 4.12 Page No. 14							
	For foundation							
	Sector 1	34			1.6			
	Sector 3	26	0.7	0.7	1.6	20.38		



SI.No.								SMART CITY
51.110.	Description of work	No	L	В	D	Quantity	Rate	Amount
	Sector 4	24	0.7	0.7	1.6	18.82		
	Sector 5	22	0.7	0.7	1.6	17.25		
						83.10		
					Say	85.00	7074.10	6,01,298.5
	Basic rate	6431.00	1 1			Cum		0,01,2001
	Add 10% for Malnad area works	643.10				Oum		
	Total	7074.10						
	Total	7074.10	/Gum					
	T 1 / 7							
	TMT							
	KSRB 4.9.2 : Providing TMT steel reinforce	ement for R.C.C	work including	straighter	iing, cutting, b	ending, hookin	g, placing in	
4.5	position, lapping and / or welding where	ver required, ty	ing with bindir	ig wire ar	nd anchoring	to the adjoinin	g members	
15	wherever necessary complete as per desig	n (laps, hooks	and wastage s	hall not b	e measured a	nd paid) cost (of materials.	
	labour, HOM of machinery complete as per		-			1 /	· · · · · ·	
	TMT Bars Fe 500	specifications.	Opeemeation	10. IXDO 4.	0.0			
			+ +					
	S.R. Item No. 4.46.2 Page 18			V	00.00	0100.10		
	Sector 1	1	26.66	X	80.00	2132.48		
	Sector 3	1	20.38	Х	80.00	1630.72		
	Sector 4	1	18.82	Х	80.00	1505.28		
	Sector 5	1	17.25	Х	80.00	1379.84		
					Kg/Cum			
						6648.32	Kgs	
						6.65	Č.	
	T				Say	7.00	77860.20	5,45,021.4
		1	<u>†</u> − †		~~,	Tonne		5, 10,021.
	Basic rate	70702 00	 			i unite		
		70782.00						
	Add 10% for Malnad area works	7078.20						
	Total	77860.20	/ I onne					
			1					
	Shuttering							
	KSRB4-4-6.1 : Providing and removing	centering, shut	tering, strutting	g, proppin	g etc., and	removal of for	m work for	
16	foundations, footings, base of columns	for mass cond	rete including	cost of	all materials,	labour compl	ete as per	
10	specifications.							
	Specification No. KBS 4.6.2							
	S.R Item No 4.28 Page No. 16							
	Footing F1							
	Sector 1	34	2.8		1.6	152.32		
	Sector 3	26			1.6	116.48		
	Sector 4	24			1.6	107.52		
		22	2.8			98.56		
	Sector 5	22	2.0		1.6			
			↓		-	474.88		
					Say	<u>480</u>	289.30	1,38,864.0
						Sqm		
	Basic rate	263.00						
	Add 10% for Malnad area works	26.30						
	Total	200.20	/Sqm					
	Iotai	209.30	/oqiii					
	Total	209.30	Joqni					
				cement r	nortar 1:4, to	stone masonr	/ concrete	
17	KSRB15-3.11 : Providing 20mm thick cer	nent plaster in s	single coat with					
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh	nent plaster in s erever required	ingle coat with smooth render					
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a	nent plaster in s erever required	ingle coat with smooth render					
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116	nent plaster in s erever required as per specificati	smooth render		ding and rem	oving scaffoldin		
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1	nent plaster in s erever required as per specificati 34	ingle coat with smooth render ons. 2.80		ding and rem	oving scaffoldin 66.64		
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3	nent plaster in s erever required as per specificati 34 26	ingle coat with smooth render ons. 2.80 2.80		ding and rem 0.70 0.70	oving scaffoldin 66.64 50.96		
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4	nent plaster in s erever required as per specificati 34 26 24	ingle coat with smooth render ons. 2.80 2.80 2.80		ding and rem 0.70 0.70 0.70	oving scaffoldin 66.64 50.96 47.04		
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3	nent plaster in s erever required as per specificati 34 26	ingle coat with smooth render ons. 2.80 2.80 2.80		ding and rem 0.70 0.70	oving scaffoldin 66.64 50.96 47.04 43.12		
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4	nent plaster in s erever required as per specificati 34 26 24	ingle coat with smooth render ons. 2.80 2.80 2.80		ding and rem 0.70 0.70 0.70 0.70	oving scaffoldin 66.64 50.96 47.04 43.12 207.76	g, including	
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4	nent plaster in s erever required as per specificati 34 26 24	ingle coat with smooth render ons. 2.80 2.80 2.80		ding and rem 0.70 0.70 0.70	oving scaffoldin 66.64 50.96 47.04 43.12		63,063.
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4	nent plaster in s erever required as per specificati 34 26 24	2.80 2.80 2.80 2.80		ding and rem 0.70 0.70 0.70 0.70	oving scaffoldin 66.64 50.96 47.04 43.12 207.76	g, including	63,063.
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5	nent plaster in s erever required s per specificati 34 26 24 22	2.80 2.80 2.80 2.80		ding and rem 0.70 0.70 0.70 0.70	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 <u>210.00</u>	g, including	63,063.
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate	nent plaster in s erever required is per specificati 34 26 24 22 22 273.00 27.30	2.80 2.80 2.80 2.80		ding and rem 0.70 0.70 0.70 0.70	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 <u>210.00</u>	g, including	63,063.
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works	nent plaster in s erever required s per specificati 34 26 24 24 22 22 273.00	2.80 2.80 2.80 2.80		ding and rem 0.70 0.70 0.70 0.70	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 <u>210.00</u>	g, including	63,063.
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total	nent plaster in s erever required as per specificati 34 26 24 22 273.00 27.30 300.30	2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 0.70 Say	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm	g, including	63,063.
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works	nent plaster in s erever required as per specificati 34 26 24 22 273.00 27.30 300.30	2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 0.70 Say	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm	g, including	63,063.
17	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total	nent plaster in s erever required is per specificati 34 26 24 22 273.00 27.30 300.30 300.30	2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 0.70 Say Say	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 210.00 Sqm	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thorough	nent plaster in s erever required as per specificati 34 26 24 24 273.00 273.00 27.30 300.30 xternal walls in hly brooming the	/Sqm two coats with smooth render 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say Say of cement pa t and loose p	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approved owdered materi	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e	nent plaster in s erever required as per specificati 34 26 24 24 273.00 273.00 27.30 300.30 xternal walls in hly brooming the	/Sqm two coats with smooth render 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say Say of cement pa t and loose p	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approved owdered materi	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thorough	nent plaster in s erever required as per specificati 34 26 24 24 273.00 273.00 27.30 300.30 xternal walls in hly brooming the	/Sqm two coats with smooth render 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say Say of cement pa t and loose p	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approved owdered materi	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thorougl mortar drops and other foreign matter cost	nent plaster in s erever required as per specificati 34 26 24 24 273.00 273.00 27.30 300.30 xternal walls in hly brooming the	/Sqm two coats with smooth render 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say Say of cement pa t and loose p	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approved owdered materi	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120	nent plaster in s erever required is per specificati 34 26 24 24 22 273.00 <u>273.00</u> <u>300.30</u> 300.30 300.30 sternal walls in hly brooming the of materials, lab	ingle coat with smooth render ons. 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.8	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approved owdered materi vith primer	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120 For pedestal Sector 1	nent plaster in s erever required is per specificati 34 26 24 22 273.00 27.300 300.30 300.30 300.30 4 xternal walls in hly brooming the of materials, lab	ingle coat with smooth render ons. 2.80 2.80 2.80 2.80 2.80 (Sqm) two coats with e surface to ren our, complete a 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 210.00 Sqm int of approvector owdered materia with primer 66.64	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thorough mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120 For pedestal Sector 1 Sector 3	nent plaster in s erever required as per specificati 34 26 24 24 22 273.00 273.00 27.30 300.30 300.30 xternal walls in hly brooming the of materials, lab	/Sqm /Sqm /surface to ren our, complete a 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say Say of cement pa t and loose p cifications v 0.70 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 210.00 Sqm int of approvector owdered materia vith primer 66.64 50.96	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2, Page no. 120 For pedestal Sector 1 Sector 3 Sector 3	nent plaster in s erever required as per specificati 34 26 24 24 273.00 273.00 27.30 300.30 xternal walls in hly brooming the of materials, lab 34 26 24	/Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say Say of cement pa t and loose p cifications v 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 210.00 Sqm int of approvec owdered materi vith primer 66.64 50.96 47.04	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thorough mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120 For pedestal Sector 1 Sector 3	nent plaster in s erever required as per specificati 34 26 24 24 22 273.00 273.00 27.30 300.30 300.30 xternal walls in hly brooming the of materials, lab	/Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say Say of cement pa t and loose p cifications v 0.70 0.70	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 210.00 Sqm int of approved owdered materi with primer 66.64 50.96 47.04 43.12	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2, Page no. 120 For pedestal Sector 1 Sector 3 Sector 3	nent plaster in s erever required as per specificati 34 26 24 24 273.00 273.00 27.30 300.30 xternal walls in hly brooming the of materials, lab 34 26 24	/Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70 0.70 0.70 0.70 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approvec owdered materi vith primer <u>66.64</u> 50.96 47.04 43.12 207.76	g, including 300.30	
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2, Page no. 120 For pedestal Sector 1 Sector 3 Sector 3	nent plaster in s erever required as per specificati 34 26 24 24 273.00 273.00 27.30 300.30 xternal walls in hly brooming the of materials, lab 34 26 24	/Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say Say of cement pa t and loose p cifications v 0.70	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 210.00 Sqm int of approved owdered materi with primer 66.64 50.96 47.04 43.12	g, including 300.30	63,063.
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2, Page no. 120 For pedestal Sector 1 Sector 3 Sector 3	nent plaster in s erever required as per specificati 34 26 24 24 273.00 273.00 27.30 300.30 xternal walls in hly brooming the of materials, lab 34 26 24	/Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm //Sqm	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70 0.70 0.70 0.70 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approvec owdered materi vith primer <u>66.64</u> 50.96 47.04 43.12 207.76	g, including 300.30	
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2, Page no. 120 For pedestal Sector 1 Sector 3 Sector 3	nent plaster in s erever required as per specificati 34 26 24 24 273.00 273.00 27.30 300.30 xternal walls in hly brooming the of materials, lab 34 26 24	/Sqm two coats with smooth render ons. 2.80 2.80 2.80 2.80 /Sqm two coats with e surface to ren our, complete a 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70 0.70 0.70 0.70 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approvec owdered materi vith primer <u>66.64</u> 50.96 47.04 43.12 207.76 <u>210.00</u>	g, including 300.30	
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120 For pedestal Sector 1 Sector 3 Sector 4 Sector 5	A series of materials, lab	A subscription of the second s	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70 0.70 0.70 0.70 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approvec owdered materi vith primer <u>66.64</u> 50.96 47.04 43.12 207.76 <u>210.00</u>	g, including 300.30	
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thorough mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120 For pedestal Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works	A specification of the specifi	/Sqm /Sqm /Sqm 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70 0.70 0.70 0.70 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approvec owdered materi vith primer <u>66.64</u> 50.96 47.04 43.12 207.76 <u>210.00</u>	g, including 300.30	
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thorough mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120 For pedestal Sector 1 Sector 3 Sector 4 Sector 5 Basic rate Basic rate	A constraint plaster in server required is per specification of the server required is per specification of the server required of materials, lab constraints,	/Sqm /Sqm /Sqm 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70 0.70 0.70 0.70 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approvec owdered materi vith primer <u>66.64</u> 50.96 47.04 43.12 207.76 <u>210.00</u>	g, including 300.30	
18	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120 For pedestal Sector 1 Sector 3 Sector 4 Sector 5 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total	A specification of the specifi	/Sqm /Sqm /Sqm 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70 0.70 0.70 0.70 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approvec owdered materi vith primer <u>66.64</u> 50.96 47.04 43.12 207.76 <u>210.00</u>	g, including 300.30	
	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thorougl mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120 For pedestal Sector 1 Sector 1 Sector 3 Sector 4 Sector 5 Sector 4 Sector 5 Sector 4 Sector 5 Sector 6 Sector 5 Sector 5 Se	A specification of the specifi	/Sqm /Sqm /Sqm 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	ing, Provi	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70 0.70 0.70 0.70 0.70	oving scaffoldir 66.64 50.96 47.04 43.12 207.76 <u>210.00</u> Sqm int of approvec owdered materi vith primer <u>66.64</u> 50.96 47.04 43.12 207.76 <u>210.00</u>	g, including 300.30	
18	KSRB15-3.11 : Providing 20mm thick cer surface including rounding off corners wh cost of materials, labour, curing complete a S.R. Item No. 15.19 Page 116 Sector 1 Sector 3 Sector 4 Sector 5 Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing e shade to give an even shade after thoroug mortar drops and other foreign matter cost Item no 15.53.2 ,Page no. 120 For pedestal Sector 1 Sector 3 Sector 4 Sector 5 Sector 4 Sector 5 Basic rate Add 10% for Malnad area works Total	An ent plaster in serever required as per specification of the serever required as per serever as per serever as per series a	/Sqm 2.80 2.80 2.80 2.80 2.80 2.80 2.80 2.80	waterpro	ding and rem 0.70 0.70 0.70 0.70 Say of cement pa t and loose p cifications v 0.70	oving scaffoldin 66.64 50.96 47.04 43.12 207.76 210.00 Sqm int of approvec owdered materi vith primer 66.64 50.96 47.04 43.12 207.76 210.00 Sqm Sqm	g, including 300.30	



CLNA	Description of work	No	L	В	D	Quantity	Bata	SMART CITY
SI.No.	Description of work	No		В	U	Quantity	Rate	Amount
	Sector 3	26	2.00			52.00		
	Sector 4	24	2.00			48.00		
	Sector 5	22	2.00			44.00		
			2.00			212.00		
					0			0.045.00
					Say	<u>215.00</u>	41.00	8,815.00
						m		
20	Erection and testing of Cast Iron Pole - 6 m	tall onto the	Foundation	as per spec	cification and	I instructions of	Architect of	
20	PMC/ Executive Engineer, MSCL							
	Rate Analysis							
	Sector 1	34				34		
	Sector 3	26				26		
	Sector 4	24				24		
	Sector 5	22				22		
						<u>106</u>	4,720.00	5,00,320.00
						Nos.		
	POS		HT POLES					
						معاممه معمال	. Bass and	
	KSRB 2-2 : Earthwork excavation by Manua	li means ior	loundation	or buildings,	water supp	biy and sanitar	y lines and	
	electrical conduits either in pits or in trenches	a 15m and a	ahove in wid	th in soil	not avceadir	a 15 m in der	th including	
21				,			in molaaling	
2.	dressing the bottom and sides of pits and tre	nches, stacl	king the exca	avated soil c	lear from ed	ges of excavation	on with lead	
	· · · · · · · · · · · · · · · · · · ·	,	3			J		
	upto 50 m. including breaking of clods complet	e as per spe	cifications. s	pecification.	No. KBS 2.1	(a) / 2.3.5		
	For light poles							
	Sector 2	29	1.00	1.00	1.70	49.30		
	Sector 3	23	1.00	1.00		40.80		
└───		24	1.00	1.00	1.70			
L		ļ				90.10		
					Say	<u>92.00</u>	Cum	
a)	In Ordinary Soil 90%							
, í	S.R. Item No. 2.3 Page 6	1	92.00	Х	0.90	82.80	328.90	27,232.92
		t		1	1	Cum		
	Destaurate	000.00				Oum		
	Basic rate	299.00						
	Add 10% for Malnad area works	<u>29.90</u>						
	Total	328.90	/Cum					
b)	In Hard soil 10%							
- /	S.R. Item No. 2.4 Page 6		92.00	Х	0.10	9.20	492.80	4,533.76
			02.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.10	Cum	102.00	1,000.70
		440.00				Cum		
	Basic rate	448.00						
	Add 10% for Malnad area works	44.80						
	Total	492.80	/Cum					
	KSRB 4-1.2 : Providing and laying in position p	lain cement	concrete of i	mix 1:3:6 wit	h OPC @ 22	0 kas with 40m	m and down	
					-	•		
22	size graded granite metal course aggregates (@ 0.892 cum	n and fine ag	gregates @	0.465 cum n	nachine mixed, c	concrete laid	
~~~	in layers not exceeding 15 cms. thick, well c	ompacted, in	n foundation	including c	ost of all ma	terials, labour,	HOM curing	
	complete as per specifications. Specification N		4 2				Ŭ	
		0. KD3 4.1,	4.2					
	S.R. Item No. 4.2 Page 13							
	Sector 2	29	0.80	0.80		1.86		
	Sector 3	24	0.80	0.80	0.10	1.54		
						3.39		
					Say	3.50	6175.40	21,613.90
					Ouy		0170.10	21,010.00
		501100				Cum		
	Basic rate	5614.00						
	Add 10% for Malnad area works	<u>561.40</u>						
	Total	<u>6175.40</u>	/Cum					
	KSRB 4.2.7: Providing and laying in position	reinforced or	ement concre	ete design m	nix M25 with	OPC @340kns	with 20mm	
1				•		- •		
1	and down size graded granite metal course ag	rregates @ (	0.70Cum and	fine aggreg	ates @ 0.47	Cum, with super	plasticisers	
	© 0 lto confirming to 100100, 1000 Deeffirm		المعادية المعادمة					
	@ 3 Its confirming to IS9103- 1999 Reaffirme	ea-2008, ma	chine mixed,	concrete la	ud in layers	not exceeding i	SCITIS THICK,	
23	vibrated for all works in ground floor level for re	oof slabs sta	aircase lintel	s and beams	s retaining w	alls return walls	s walls (any	
	, i i i i i i i i i i i i i i i i i i i							
	thickness) including attached pilasters, column	ns, lintels, pi	llars, posts, s	struts, buttre	sses, string	or lacing course	s, parapets,	
	anning had blacks analog blacks glain	المعالمة				السنية الملمين		
	coping, bed blocks, anchor blocks, plain wi	nuuw cills, 1	mets etc., If	iciualing cos	a or all mate	enais, iapour, F	ow curing,	
	complete but excluding cost of reinforcement a	s per specifi	cations Spe	cification No	KBS 4 1 4	6		
	S.R Item No 4.12 Page No. 14				,, n		r - 1	
	× *						├	
	For foundation						├	
L	Sector 2	29	0.7	0.7	1.6		<u> </u>	
	Sector 3	24	0.7	0.7	1.6	18.82		
						41.55		
		1	l	l	Say	43.00	7074.10	3,04,186.30
	Basic rate	6421.00			-~ <u>,</u>			3,51,100.00
<b>└───</b>	Basic rate	6431.00				Cum	├	
	Add 10% for Malnad area works	<u>643.10</u>						
	Total	7074.10	/Cum				Τ	
-	KSRB4-4-6.1 : Providing and removing cen	terina shut	terina strutt	ing proppin	n etc. and	removal of for	m work for	
1	foundations, footings, base of columns for			<b>0</b> 1 11	•			
24		11433 6010		ig obst bi	an materials	, abour comp	as per	
	specifications.							
	Specification No. KBS 4.6.2							
	S.R Item No 4.28 Page No. 16	ļ						
1	Footing F1	1	1	1	1			



			-	_				-
SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	Sector 2	29			1.6	129.92		
	Sector 3	24	2.8		1.6	107.52		
						237.44		
					Say	240	289.30	69,432.0
					,	Sqm		
	Pagia rata	263.00				Oqm		
	Basic rate							
	Add 10% for Malnad area works	26.30						
	Total	289.30	/Sqm					
	KSRB15-3.11 : Providing 20mm thick ceme	nt plaster in s	ingle coat wi	th cement n	nortar 1.4 t	o stone masonr	v / concrete	
	, and the second s	•	· ·					
25	surface including rounding off corners when	ever required	smooth rend	ering, Provid	ding and ren	noving scattoldin	ig, including	
	cost of materials, labour, curing complete as	per specificati	ons.					
	S.R. Item No. 15.19 Page 116							
	Sector 2	29	2.80		1.60	129.92		
	Sector 3	24	2.80		1.60	107.52		
						237.44		
					Say	<u>240.00</u>	300.30	72,072.
	Basic rate	273.00				Sqm		
	Add 10% for Malnad area works	27.30						
	Total	300.30	/Sqm					
	KSRB 4.9.2 : Providing TMT steel reinforcem	ent for R.C.C	work includin	g straighten	ing, cutting,	bending, hookin	g, placing in	
	nonition longing and / or wolding whereve	r required to	ing with hing	ling wire on	d anabaring	to the edicinin	a momboro	
26	position, lapping and / or welding whereve	r required, ty	ing with bind	ling wire an	a anchoring	to the adjoinin	ig members	
20	wherever necessary complete as per design	(laps, hooks	and wastage	shall not be	e measured a	and paid) cost (	of materials,	
			-			. ,	- ,	
	labour, HOM of machinery complete as per s	pecilications.	opecification	NO. KBS 4.	0.3			
	TMT Bars Fe 500							
	S.R. Item No. 4.46.2 Page 18							
	Sector 2	1	22.74	Х	80.00	1818.88		
	Sector 3	1	18.82	X	80.00	1505.28		
	Sector 3	1		^				
			Cum		Kg/cum	3324.16		
					Say	3550.00	Kgs	
					Or	3.50	77860.20	2,72,510
						Tonne		, ,
	Basic rate	70700.00				Torific		
		70782.00						
	Add 10% for Malnad area works	7078.20						
	Total	77860.20	/Tonne					
27	KSRB 2.3- Filling available excavated earth cms. In depth, compacting each deposited la cost of all labour complete as per specification	(excluding roo ayer by rammi	ck) in sides c ng after wate	ring with lea			•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7	(excluding roo ayer by rammi ons. Specificati	ck) in sides c ng after wate on no. KBS 2	ring with lea 2.9	d upto 50m	and lift upto 1.5	•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification	(excluding roo ayer by rammi	ck) in sides c ng after wate on no. KBS 2	ring with lea			•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7	(excluding roo ayer by rammi ons. Specificati	ck) in sides c ng after wate on no. KBS 2	ring with lea 2.9	d upto 50m	and lift upto 1.5	•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2	(excluding roc ayer by ramming ons. Specification 29	k) in sides c ng after wate ion no. KBS 2 1.00	ring with lea 2.9	d upto 50m	and lift upto 1.5 49.3	•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC	(excluding roc ayer by rammines. Specification 29 -1 -1 -1	k) in sides c ng after wate ion no. KBS 2 1.00 1.86 22.74	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74	•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 -1 24	ck) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00	ring with lea 2.9	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80	•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 24 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54	•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 -1 24	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82	•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 24 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54	•	
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 24 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82	•	10,612
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 24 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <b>48.00</b>	m including	10,612.
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Less RCC	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16	m including	10,612
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <b>48.00</b>	m including	10,612.
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate Add 10% for Malnad area works	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <b>48.00</b>	m including	10,612
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <b>48.00</b>	m including	10,612.
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate Add 10% for Malnad area works	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82	ring with lea	d upto 50m	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <b>48.00</b>	m including	10,612
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate Add 10% for Malnad area works Total	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 24 -1 -1 24 -1 -1 24 -1 -1 24 -1 -1 -1 24 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum	ring with lea	d upto 50m 1.70 1.70 Say	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <u>48.00</u> Cum	m including	10,612
27	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 24 -1 -1 24 -1 -1 24 -1 -1 24 -1 -1 -1 24 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	ck) in sides c           ng after wate           on no. KBS 2           1.00           1.86           22.74           1.00           1.54           18.82           /Cum           0 coats with v	ring with lea	d upto 50m 1.70 1.70 Say ement paint c	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <b>48.00</b> Cum	m including	10,612.
	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an ever	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 24 -1 -1 24 -1 -1 24 -1 -1 24 -1 -1 -1 24 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum	ring with lea 2.9 1.00 1.00 vaterproof ce brooming th	d upto 50m 1.70 1.70 Say ement paint c	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <u>48.00</u> Cum -1.54 -18.82 -1.54 -18.82 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54	m including	10,612
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	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an ever powdered material, free from mortar drops an	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 24 -1 -1 24 -1 -1 24 -1 -1 24 -1 -1 -1 24 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum	ring with lea 2.9 1.00 1.00 vaterproof ce brooming th	d upto 50m 1.70 1.70 Say ement paint c	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <u>48.00</u> Cum -1.54 -18.82 -1.54 -18.82 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54 -1.54	m including	10,612
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	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an eve powdered material, free from mortar drops an with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum /Cum b coats with v thoroughly n matter cost 2.80 2.80	ring with lea 2.9 1.00 1.00 vaterproof ce brooming th	d upto 50m  1.70  1.70  Say  Say  ement paint c te surface tc , labour, com  0.70 0.70	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 48.00 Cum of plete as per spe 56.84 47.04 103.88 105.00	t and loose	10,612.
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	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Less RCC Less RCC Less RCC Less RCC KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an eve powdered material, free from mortar drops an with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Sector 3 Basic rate	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 -1 24 -1 -1 24 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c         ng after wate         on no. KBS 2         1.00         1.86         22.74         1.00         1.54         18.82         //Cum         ocoats with v         r thoroughly         matter cost         2.80         2.80         2.80	ring with lea 2.9 1.00 1.00 vaterproof ce brooming th	d upto 50m  1.70  1.70  Say  Say  ement paint c te surface tc , labour, com  0.70 0.70	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 48.00 Cum of plete as per spe 56.84 47.04 103.88 105.00	t and loose	
28	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Basic rate Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an ever powdered material, free from mortar drops ar with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Basic rate Add 10% for Malnad area works Total	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c         ng after wate         on no. KBS 2         1.00         1.86         22.74         1.00         1.54         18.82         //Cum         ocoats with v         r thoroughly         matter cost         2.80         2.80         2.80	ring with lea 2.9 1.00 1.00 vaterproof ce brooming th	d upto 50m  1.70  1.70  Say  Say  ement paint c te surface tc , labour, com  0.70 0.70	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 48.00 Cum of plete as per spe 56.84 47.04 103.88 105.00	t and loose	
	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an ever powdered material, free from mortar drops an with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Sector 2 Sector 3 Less RCC C Basic rate Add 10% for Malnad area works Total PVC Pipes as per IS-2509	(excluding roc ayer by rammi nns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c         ng after wate         on no. KBS 2         1.00         1.86         22.74         1.00         1.54         18.82         //Cum         ocoats with v         r thoroughly         matter cost         2.80         2.80         2.80	ring with lea 2.9 1.00 1.00 vaterproof ce brooming th	d upto 50m  1.70  1.70  Say  Say  ement paint c te surface tc , labour, com  0.70 0.70	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 48.00 Cum of plete as per spe 56.84 47.04 103.88 105.00	t and loose	
28	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Less RCC Less RCC Less RCC Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an eve powdered material, free from mortar drops an with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Sector 3 Sector 3 Sector 3 Sector 4 Add 10% for Malnad area works Total PVC Pipes as per IS-2509 PVC Pipe - 32 mm Dia	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum /Cum coats with v thoroughly matter cost 2.80 2.80 2.80	ring with lea	d upto 50m  1.70  1.70  Say  ement paint c te surface tc , labour, com  0.70  0.70  Say	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 48.00 Cum of cremove all dir plete as per spector 56.84 47.04 103.88 105.00 Sqm	t and loose	
28	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Less RCC Less RCC Less RCC Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an eve powdered material, free from mortar drops an with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Sector 3 Sector 3 Sector 3 Sector 4 Add 10% for Malnad area works Total PVC Pipes as per IS-2509 PVC Pipe - 32 mm Dia	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum /Cum coats with v thoroughly matter cost 2.80 2.80 2.80	ring with lea	d upto 50m  1.70  1.70  Say  ement paint c te surface tc , labour, com  0.70  0.70  Say	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 48.00 Cum of cremove all dir plete as per spector 56.84 47.04 103.88 105.00 Sqm	t and loose	
28	cms. In depth, compacting each deposited la cost of all labour complete as per specificatio S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Less RCC Less RCC Less RCC Less RCC Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an eve powdered material, free from mortar drops ar with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Sector 3 Secto	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum /Cum coats with v thoroughly matter cost 2.80 2.80 2.80 2.80	ring with lea	d upto 50m  1.70  1.70  Say  ement paint c te surface tc , labour, com  0.70  0.70  Say	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 48.00 Cum of coremove all dir plete as per spector 56.84 47.04 103.88 105.00 Sqm of materials)	t and loose	
28	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Less RCC Sector 3 Less PCC Less RCC Sector 3 Less PCC Less RCC Sector 3 Less RCC Sector 3 Less RCC Sector 3 Sector 4 KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an eve powdered material, free from mortar drops ar with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Sector 3 Sect	(excluding roc ayer by rammi ins. Specificati 29 -1 -1 -1 24 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum /Cum /Cum coats with v thoroughly matter cost 2.80 2.80 2.80 2.80 5.00 SR ,1 2.00	ring with lea	d upto 50m  1.70  1.70  Say  ement paint c te surface tc , labour, com  0.70  0.70  Say	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <u>48.00</u> Cum of cremove all dir plete as per sper 56.84 47.04 103.88 <u>105.00</u> Sqm 	t and loose	
28	cms. In depth, compacting each deposited la cost of all labour complete as per specificatio S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Less RCC Less RCC Less RCC Less RCC Add 10% for Malnad area works Total KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an eve powdered material, free from mortar drops ar with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Sector 3 Secto	(excluding roc ayer by rammi ns. Specificati 29 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum /Cum /Cum coats with v thoroughly matter cost 2.80 2.80 2.80 2.80 5.00 SR ,1 2.00	ring with lea	d upto 50m  1.70  1.70  Say  ement paint c te surface tc , labour, com  0.70  0.70  Say	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <b>48.00</b> Cum 	t and loose	
28	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Less RCC Sector 3 Less PCC Less RCC Sector 3 Less PCC Less RCC Sector 3 Less RCC Sector 3 Less RCC Sector 3 Sector 4 KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an eve powdered material, free from mortar drops ar with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Sector 3 Sect	(excluding roc ayer by rammi ins. Specificati 29 -1 -1 -1 24 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum /Cum /Cum coats with v thoroughly matter cost 2.80 2.80 2.80 2.80 5.00 SR ,1 2.00	ring with lea	d upto 50m  1.70  1.70  Say  menent paint c surface tc , labour, con  0.70  0.70  0.70  Say  ndard stock	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <b>48.00</b> Cum of cum 	m including	11,781.
28	cms. In depth, compacting each deposited la cost of all labour complete as per specification S.R. Item No. 2.10 Page 7 Sector 2 Less PCC Less RCC Sector 3 Less PCC Less RCC Less RCC Sector 3 Less PCC Less RCC Sector 3 Less PCC Less RCC Sector 3 Less RCC Sector 3 Less RCC Sector 3 Sector 4 KSRB 15-16.1 : Providing and finishing extern approved brand and shade to give an eve powdered material, free from mortar drops ar with primer Item no 15.53.2 ,Page no. 120 For pedestal Sector 2 Sector 3 Sector 3 Sect	(excluding roc ayer by rammi ins. Specificati 29 -1 -1 -1 24 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	k) in sides c ng after wate on no. KBS 2 1.00 1.86 22.74 1.00 1.54 18.82 /Cum /Cum /Cum coats with v thoroughly matter cost 2.80 2.80 2.80 2.80 5.00 SR ,1 2.00	ring with lea	d upto 50m  1.70  1.70  Say  ement paint c te surface tc , labour, com  0.70  0.70  Say	and lift upto 1.5 49.3 -1.856 -22.74 40.80 -1.54 -18.82 45.16 <b>48.00</b> Cum 	t and loose	



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	Applying red lead ready mix priming coat over	er new steel	l or other r	netal surface	e including p	preparing the s	urface after	
30	thoroughly cleaning oil, grease, dirt and other	foreign mat	ter, and scor	ured with wir	re brushes, f	ine steel wool, s	sand papers	
	including cost of materials, labour, complete as	s per specific	ations.					
	SR Item No 15.73, Page No123							
	Sector 1							
	6 m pole	34		4.71		160.14		
	Sector 2							
	4 m pole	29		3.14		91.06		
	Sector 3							
	6 m pole	26		4.71		122.46		
	4 m pole	24		3.14		75.36		
	Sector 4							
	6 m pole	24		4.71		113.04		
	Sector 5							
	6 m pole	22		4.71		103.62		
						665.68	15.10	00.047.00
						<u>670.00</u>	45.10	30,217.00
	Pagia rata	41.00				sqm		
	Basic rate Add 10% for Malnad area works	41.00 4.10						
	Total		/Sqm					
	Total	45.10	/Sqiii					
	KSRB 15-18.2: Providing and applying ename	l motal paint	two costs (c	waludina prij	ming cost) o	vor now staal or	othor motal	
	KSRB 15-16.2. Providing and applying ename	i metai paint	two coats (e	excluding pri	ming coat) of	ver new steer or	other metal	
31	surface brushing to give an even shade after	cleaning oil,	grease, dirt	and other fo	reign matter	including cost	of materials,	
	labour, complete as per specifications.							
	SR Item no 15.74, Page No 123	T					1	
	Painting of Poles	1		-			<u>                                     </u>	
	Sector 1	1					1	
	6 m pole	34	4.71			160.14		
	Sector 2					100.11	1	
	4 m pole	29	3.14			91.06	1	
	Sector 3	20	0.11			01.00		
	6 m pole	26	4.71			122.46	1	
	4 m pole	24	3.14			75.36	1	
	Sector 4		0				1	
	6 m pole	24	4.71			113.04		
	Sector 5					110.01	1	
	6 m pole	22	4.71			103.62	1	
			1.7 1			665.68	1	
					Say	670.00	104.50	70,015.00
						Sqm		.,
	Basic rate	95.00						
	Add 10% for Malnad area works	9.50						
	Total	104.50	/Sqm					
00	Fixing charges for installation of CI Poles Four	ndation bolts	Anchorbolts	and templat	te/Base plate	on site as per t	he drawings	
32	and instructions of Architect of PMC and Incha	rge Executiv	e Engineer, l	MSCL		-	-	
	Rate Analysis							
	Sector 1							
	6 m pole	34				34.00		
	Sector 2							
	4 m pole	29				29.00		
	Sector 3							
	6 m pole	26				26.00		
	4 m pole	24				24.00		
	Sector 4							
	6 m pole	24				24.00		
	Sector 5							
	6 m pole	22				22.00		
						<u>159.00</u>	58.00	9,222.00
33	Erection and testing of Cast Iron Pole - 4 m	tall onto the	Foundation	as per spec	cification and	I instructions of	Architect of	
00	PMC/ Executive Engineer, MSCL							
	Rate analysis							
	Sector 2	29				29.00		
L	Sector 3	24				24.00		
		ļ				<u>53.00</u>	3386.00	1,79,458.00
		L	<u> </u>			Nos.		
		Sub To	otal					32,27,993.00
L								
Non SoR	Items - Approved Rate							
	Supplying, Erection and testing of 6.0mtr height	ght decorativ	e cast iron	oole with CI	embellishme	ents welded. The	e bottom CI	
	portion should have round mounting base of no	ot more than	450mm dia a	and must be	provided with	n service window	v comprising	
	of 4way, 25Amp connector terminal and a MC	B. The top	portion shou	ld not be les	s than 90mr	n dia. Foundatio	on bolts and	
	Templates included. The work shall be carrie							
1	Engineer of MSCL.						,	
	Supplying of following size single ornamental	Cast Iron br	acket & fivin	a on the ev	istina nole fr	r mounting I Fr	) street light	
	fitting including necessary accessories etc. as			-		-	-	
		-	-			a out as per tile		
l	of Architect of the PMC and incharge Executiv	le ⊏ngineer c	י ועוסטב. ( A	sproved Rate	=)			



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	Sector 1	34				34		
	Sector 3	26				26		
	Sector 4	24				24		
	Sector 5	22				22		
						106	44840	47,53,040.00
						Nos.		
	Supplying, Erection and testing of 4.0mtr. he The bottom CI portion should have round m	•						
2	window comprising of 4way, 25Amp connect	or terminal a	nd a MCB.	The top port	tion should	not be less than	90mm dia.	
	Foundation bolts and Templates included. The incharge Executive Engineer of MSCL. (Appr		be carried o	ut as per the	instructions	of Architect of th	e PMC and	
	Sector 2	29				29		
	Sector 3	24				24		
						53	41770	22,13,810.00
						Nos.		
		Sub To	tal					69,66,850.00

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	KSRB 2-2 : Earthwork excavation by Manual me	eans for four	dation of bui	ldinas wate	r supply and	sanitary lines a	nd electrical	
	conduits either in pits or in trenches 1.5m and ab							
1	and sides of pits and trenches, stacking the exca	,		0		0	•	
			•		un with leau		ing breaking	
	of clods complete as per specifications. specifica For Compound wall	UON. NO. KDO	52.1(a)/2.3.	5				
		1	50.00	0.60	1.00	30.00		
					Say	30.00	Cum	
a)	In Ordinary Soil 100%							
	S.R. Item No. 2.3 Page 6		30	Х	1	30.00	328.9	9,867.0
						Cum		
	Basic rate Add 10% for Malnad area works	299.00 29.90						
	Total	<u>23.30</u> <u>328.90</u>	/Cum					
	KSRB 4-1.2 : Providing and laying in position pla	in cement co	oncrete of mix	1:4:8 with C	PC @ 220 k	gs, with 40mm ar	nd down size	
2	graded granite metal course aggregates @ 0.89							
-	not exceeding 15 cms. thick, well compacted, in	foundation	including cos	t of all mate	rials, labour,	HOM curing com	plete as per	
	specifications. Specification No. KBS 4.1, 4.2 S.R. Item No. 4.3 Page 13			1				
	For vertical box section							
		1	50.00	0.50	0.10	2.50		
					Say	3.00	6063.20	18,190.0
	Basic rate	5512.00				Cum		
	Add 10% for Malnad area works	<u>551.20</u>	10					
	Total	<u>6063.20</u>	/Cum					
	KSRB 5.2-3 : Providing and constructing gran	ite / tran / h	asalt size st	one masonry	in foundati	on cement morta	ir 1:6 stone	
3	hammerd dressed in courses not less than 20 d							
	labour, curing complete as per specifications.	0 /				0	· · · · · · · · · · · · · · · · · · ·	
	KBS 5.1.13							
	S.R. Item No. 5.3 Page 25							
	Compound wall		50.00	0.00	0.45	10.50		
	Sector 5	1	50.00	0.60	0.45 Say	13.50 <b>14.00</b>	4471.50	62,601.0
	Basic rate	4065.00			Say	<u>14.00</u> Cum	4471.30	02,001.0
	Add 10% for Malnad area works	406.50				- Cuili		
	Total	<u>4471.50</u>	/Cum					
4	Providing and constructing laterite size stone m	-	ding cost and	d conveyance	e of materials	s curing etc com	plete as per	
	specification FOR SUPER STRUCTURE in C M S.R. Item No. 42.5.3, Page no 384	1:6		1				
	Sector 2							
	Main wall	1	50.00	0.23	1.80	20.70		
	Pillars	17	0.45	0.45	1.80	6.20		
						26.90		
					Say	<u>27.00</u>	5992.80	1,61,806.0
	Basic rate	5448.00				Cum		
	Add 10% for Malnad area works	<u>544.80</u> <u>5992.80</u>	/Cum					
	Total	<u>3992.00</u>	/Cum					
	KSRB15-3.11 : Providing 20mm thick cement pl	aster in singl	e coat with c	ement morta	r 1:4, to ston	e masonry / cond	crete surface	
5	including rounding off corners wherever require							
	materials, labour, curing complete as per specific	ations.						
	S.R. Item No. 15.19 Page 116							
	Compound wall			0.50				
	Sector 2 columns	1 18	26 0.3	2.50 2.50		65.00 13.50		
	Sector 3	10	20	1.80		36.00		
	columns	14	0.3	1.80		7.56		
		1	20	1.80		36.00		
	columns	14	0.3	1.80		7.56		
		1	21	1.80		37.80		
	columns Sector 4	14	0.3	1.80		7.56		
	Sector 4 columns	1 16	26.5 0.3	1.80 1.80		47.70 8.64		
	Sector 5	10	17	1.80		30.60		
	columns	12	0.3	1.80		6.48		
		1	46	1.80		82.80		
	columns	32	0.3	1.80		17.28		
	New wall	1	50	1.80		90.00		
	columns	17	0.3	1.80	1	9.18		
						503.66		



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
0	Basic rate	273.00				Sqm	Huto	Allount
	Add 10% for Malnad area works	27.30		1		- Oqini		
	Total	300.30		l				
			· ·					
	KSRB 4-1.2 : Providing and laying in position re	inforced cem	ent concrete	of design mi	x M20 with C	PC cement @ 3	320 kgs, with	
	20mm and down size graded granite metal cours			-			-	
							-	
6	@ 3 Ltrs confirming to IS9103-1999 Reaffirme	d-2008, mac	chine mixed,	concrete laid	d in layers n	ot exceeding 15	5 cms. thick,	
0	vibrated for beams, columns of all sizes in found	ation, plinth a	and superstru	cture ground	floor level for	r roof slabs, stai	case, lintels,	
	columns including cost of all materials, labour, H	IOM of mach	inerv curina	complete as	ner specifica	ations Specificat	ion No. KBS	
	-		intery, caring	complete de	per opeemee			
	4.1, 4.6		T	<del>.                                    </del>				
	S.R. Item No. 4.11 Page 14		ļ					
	For Coping							
	Sector 2	1	26		0.25	1.50		
	Sector 3	1	20		0.25	1.15		
		1	20	0.23	0.25	1.15		
		1	21	0.23	0.25	1.21		
	Sector 4	1	26.5	0.23	0.25	1.52		
	Sector 5	1	17	0.23	0.25	0.98		
		1	46	0.23	0.25	2.65		
	New wall	1	50		0.25	2.88		
		-		0.20	0.20	13.02		
					Say	14	6642.90	93,001.0
			<u> </u>	<u>├</u> ────	Jay	Cum	5072.30	30,001.00
	Pagia rata	6000.00	<u> </u>			Cum	├	
	Basic rate	6039.00					├	
	Add 10% for Malnad area works	<u>603.90</u>		ļ'				
	Total	<u>6642.90</u>	/Cum				ļ ļ	
	KSRB4-4-6.1 : Providing and removing centering	g, shuttering,	, strutting, pro	opping etc., a	and removal	of form work for	foundations,	
_								
7	footings, base of columns for mass concrete inclu	iding cost of	all materials,	labour compl	ete as per sp	ecifications.		
	Specification No. KBS 4.6.2							
			r	<del></del>			r	
	S.R Item No 4.28 Page No. 16			¹				
	For Coping							
	Sector 2	2	26		0.25	13.00		
	Sector 3	2	20		0.25	10.00		
		2	20		0.25	10.00		
		2	21		0.25	10.50		
	Sector 4	2	26.5		0.25	13.25		
	Sector 5	2	17		0.25	8.50		
		2	46		0.25	23.00		
	New wall	2	50		0.25	25.00		
	ivew waii	2		<u> </u>	0.25	113.25		
					Cau		289.30	00000
				ļ'	Say	<u>115</u>	209.30	33269
				ļ'		Sqm		
	Basic rate	263.00						
	Add 10% for Malnad area works	<u>26.30</u>						
	Total	<u>289.30</u>	/Sqm					
	Providing and fixing 20mm thick gang saw cut La	acquered gra	nite for clade	ling in CM 1:4	4 propotion w	<i>i</i> ith a coat of rou	gh plastering	
				•			• • •	
0	Providing and fixing 20mm thick gang saw cut Li using CM1:4 cut to required shape, pattern with p			•			• • •	
8	using CM1:4 cut to required shape, pattern with p	aper joints,fi	inished with c	ement mortar	r using white	cement and colo	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v	paper joints,fi	inished with c grooves in joi	ement mortar	cost of curin	cement and colo g etd.complete in	r pigments to	
8	using CM1:4 cut to required shape, pattern with p	paper joints,fi	inished with c grooves in joi	ement mortar	cost of curin	cement and colo g etd.complete in	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v	paper joints,fi	inished with c grooves in joi	ement mortar	cost of curin	cement and colo g etd.complete in	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a	paper joints,fi	inished with c grooves in joi	ement mortar	cost of curin	cement and colo g etd.complete in	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111	paper joints,fi	inished with c grooves in joi	ement mortar ints including complete as	cost of curin	cement and colo g etd.complete in	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2	paper joints,fi with sealant,g all items of w	inished with c grooves in joi ork, HOM etc	ement mortar ints including complete as	cost of curin	cement and colo g etd.complete i ation. 65	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns	paper joints,fi with sealant,g all items of w 1 1	inished with c grooves in joi ork, HOM etc 26 0.3	ement mortar ints including ,complete as 2.5 2.5	using white cost of curing per specifica	cement and colo g etd.complete i ation. 65 13.5	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3	aper joints,fi with sealant,g all items of w 1 18 18	inished with c grooves in joi ork, HOM etc 26 0.3 20	ement mortar ints including ,complete as 2.5 2.5 1.8	using white cost of curing per specifica	cement and colo g etd.complete i ation. 65 13.5 36	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns	paper joints,fi with sealant,g all items of w 1 18 1 14	inished with c grooves in joi ork, HOM etc 26 0.3 20 0.3	complete as complete as 2.5 2.5 1.8 1.8	using white cost of curing per specifica	cement and colo g etd.complete in ation. 65 13.5 36 7.56	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing of and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3 columns	paper joints,fi with sealant,s all items of w 1 18 1 14 14 1	inished with c grooves in joi ork, HOM etc 26 0.3 20 0.3 20 0.3 20	ement mortar ints including complete as 2.5 2.5 1.8 1.8 1.8 1.8	using white cost of curing per specifica	cement and colo g etd.complete in ation. 65 13.5 36 7.56 36 36	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3	all items of w 1 18 1 14 14 14 14 14	inished with c grooves in joi ork, HOM etc 26 0.3 20 0.3 20 0.3 20 0.3	c.,complete as c.,complete as 2.5 2.5 1.8 1.8 1.8 1.8	using white cost of curing per specifica	cement and colo g etd.complete in ation. 655 13.55 366 7.56 36 36 7.56	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3 columns	all items of w 1 1 18 1 14 14 14 14 1 14 1	inished with c grooves in joi ork, HOM etc 26 0.3 20 0.3 20 0.3 20 0.3 20 20 20 21	2.5 2.5 2.5 1.8 1.8 1.8 1.8 1.8 1.8	using white cost of curing per specifica	cement and colo g etd.complete in ation. 655 13.5 13.5 366 7.56 366 7.56 37.8	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3 columns columns	2 paper joints, fi with sealant, q all items of w 1 1 18 1 14 1 14 1 14 1 14 1 14	inished with c grooves in joi ork, HOM etc 26 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 21	2.5 2.5 2.5 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	s per specifica	cement and colo g etd.complete in ation. 65 13.5 36 7.56 36 7.56 37.8 7.56	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3 columns	aper joints, fi with sealant, q all items of w 1 1 18 1 14 1 14 1 14 1 14 1 14 1 14 1	inished with c grooves in joi ork, HOM etc 26 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 0 0.5 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 0 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.5 2.5 2.5 2.5 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	s per specifica	cement and colo g etd.complete in ation. 65 13.5 36 7.56 36 7.56 37.8 7.56 47.7	r pigments to	
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3 columns columns	2 paper joints, fi with sealant, q all items of w 1 1 18 1 14 1 14 1 14 1 14 1 14	inished with c grooves in joi ork, HOM etc 26 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 21	2.5 2.5 2.5 2.5 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	s per specifica	cement and colo g etd.complete in ation. 65 13.5 36 7.56 36 7.56 37.8 7.56	r pigments to	
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8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3 columns Columns Sector 4 columns Sector 5 columns New wall	number         number<	inished with c grooves in joi ork, HOM etc 26 0.3 20 0.3 20 0.3 20 0.3 21 0.3 21 0.3 26.5 0.3 21 0.3 26.5 0.3 26.5 0.3 26.5 0.3 20 0.3 26.5 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 0.5 20 0.5 20 0.5 0 0.5 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0 0 0	ement mortar ints including complete as 2.5 2.5 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	s per specifica	cement and colo g etd.complete in ation. 655 13.5 366 7.56 37.8 7.56 37.8 7.56 47.7 8.64 30.6 6.48 82.8 17.28 90.00 9.18 503.66		
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3 columns Columns Sector 4 columns Sector 5 columns New wall	number         number<	inished with c grooves in joi ork, HOM etc 26 0.3 20 0.3 20 0.3 20 0.3 21 0.3 21 0.3 26.5 0.3 21 0.3 26.5 0.3 26.5 0.3 26.5 0.3 20 0.3 26.5 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 20 0.5 0.5 20 0.5 20 0.5 0 0.5 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0 0 0	ement mortar ints including complete as 2.5 2.5 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	s per specifica	cement and colo g etd.complete in ation. 655 13.5 366 7.56 37.8 7.56 37.8 7.56 47.7 8.64 30.6 6.48 82.8 17.28 90.00 9.18	r pigments to	19,29,251.5
8	using CM1:4 cut to required shape, pattern with p match the color of slab making through jointing v and conveyance of all materials,mortar,labor for a S.R. Item No. 14.60 Page 111 For compound wall clading Sector 2 columns Sector 3 columns Columns Sector 4 columns Sector 5 columns New wall	number         number<	nished with c grooves in joi ork, HOM etc 266 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 20 0.3 21 0.3 26.5 0.3 17 0.3 26.5 0.3 0.3 0.3	ement mortar ints including complete as 2.5 2.5 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	s per specifica	cement and colo g etd.complete in ation. 655 13.5 366 7.56 37.8 7.56 37.8 7.56 47.7 8.64 30.6 6.48 82.8 17.28 90.00 9.18 503.66		19,29,251.5

#### PROPOSED "RETROFITTING/REDEVELOPMENT OF CAR STREET AND AREAS OF SRI VENKATRAMANA TEMPLE AS RELIGIOUS ZONE"



	Description of work	No	L	В	D	Quantity	Rate	Amount
	Total	3820.30	Sqm					
_	Providing Mangalore Ridge tiles set in CM	1 1:2 and pointed v	vith CM 1:2 in	cluding cost	of materials,	labour,HOM com	plete as per	
9	specifications.	-		-				
	S R item NO.37.7, Page no. 266							
	For Compound wall							
	Sector 2	1	26			26		
	Sector 3	1	20			20		
		1	20			20		
		1	20					
	O set set 4					21		
	Sector 4	1	26.5			26.5		
	Sector 5	1	17			17		
		1	46			46		
	New wall	1	50			50		
						226.50		
					say	<u>230.00</u>	226.60	52,118.0
						Rmt		
	Basic rate	206.00						
	Add 10% for Malnad area works	<u>20.60</u>						
	Total	<u>226.60</u>	Rmt					
	Providing and finishing external walls in tw	vo coats over one c	oat of 100% a	acrylic silicor	n glazed prime	er with antifungal	paint for top	
10	coat of approved brand and shade to give	ia an alian abada	ofter therewal	alu broomine				
10	coat of approved brand and shade to give	le an even snaue	aller thorougi					
	and and made to be for a first state of the		0		the surface	to remove all di	rt and loose	
	bowdered material, tree from mortar drops	and other foreign			·			
	powdered material, free from mortar drops SB Item No 15,104 Page No127	and other foreign i			·			
	SR Item No 15.104 Page No127	and other foreign			·			
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles		matter cost of	materials, la	bour, complet	te as per specifica		
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2	2	matter cost of	materials, la	bour, complet	te as per specifica 31.20		
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles	2	matter cost of 26 20	materials, la	bour, complet	te as per specifica 31.20 24.00		
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2	2 2 2 2	matter cost of 26 20 20	materials, la 0.6 0.6 0.6	bour, comple	te as per specifica 31.20 24.00 24.00		
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3	2 2 2 2 2 2	26 20 20 21	materials, la 0.6 0.6 0.6 0.6 0.6	bour, comple	te as per specifica 31.20 24.00 24.00 25.20		
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4	2 2 2 2 2 2 2 2	matter cost of 26 20 20 21 26.5	materials, la 0.6 0.6 0.6 0.6 0.6	bour, complet	ie as per specific 31.20 24.00 24.00 25.20 31.80		
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3	2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 21 26.5 17	materials, la 0.6 0.6 0.6 0.6 0.6 0.6	bour, comple	te as per specific 31.20 24.00 25.20 31.80 20.40		
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4 Sector 5	2 2 2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 20 21 26.5 17 46	materials, la 0.6 0.6 0.6 0.6 0.6 0.6 0.6	bour, complet	te as per specific 31.20 24.00 24.00 25.20 31.80 20.40 55.20		
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4	2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 21 26.5 17	materials, la 0.6 0.6 0.6 0.6 0.6 0.6	bour, complet	te as per specific 31.20 24.00 24.00 25.20 31.80 20.40 55.20 60.00		
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4 Sector 5	2 2 2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 20 21 26.5 17 46	materials, la 0.6 0.6 0.6 0.6 0.6 0.6 0.6	bour, complet	te as per specific: 31.20 24.00 25.20 31.80 20.40 55.20 60.00 271.80	ations.	
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4 Sector 5	2 2 2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 20 21 26.5 17 46	materials, la 0.6 0.6 0.6 0.6 0.6 0.6 0.6	bour, complet	te as per specific: 31.20 24.00 25.20 31.80 20.40 55.20 60.00 271.80 <b>275.00</b>		54,450.0
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4 Sector 5 New wall	2 2 2 2 2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 20 21 26.5 17 46 50	materials, la 0.6 0.6 0.6 0.6 0.6 0.6 0.6	bour, complet	te as per specific: 31.20 24.00 25.20 31.80 20.40 55.20 60.00 271.80	ations.	54,450.00
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4 Sector 5 New wall Basic rate	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 21 26.5 17 46 50	materials, la 0.6 0.6 0.6 0.6 0.6 0.6 0.6	bour, complet	te as per specific: 31.20 24.00 25.20 31.80 20.40 55.20 60.00 271.80 <b>275.00</b>	ations.	54,450.0
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4 Sector 5 New wall Basic rate Add 10% for Malnad area works	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 21 26.5 17 46 50	materials, la 0.6 0.6 0.6 0.6 0.6 0.6 0.6	bour, complet	te as per specific: 31.20 24.00 25.20 31.80 20.40 55.20 60.00 271.80 <b>275.00</b>	ations.	54,450.0
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4 Sector 5 New wall Basic rate	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 21 26.5 17 46 50	materials, la 0.6 0.6 0.6 0.6 0.6 0.6 0.6	bour, complet	te as per specific: 31.20 24.00 25.20 31.80 20.40 55.20 60.00 271.80 <b>275.00</b>	ations.	54,450.00
	SR Item No 15.104 Page No127 For Mangalore Ridge tiles Sector 2 Sector 3 Sector 4 Sector 5 New wall Basic rate Add 10% for Malnad area works	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	matter cost of 26 20 20 20 21 26.5 17 46 50 50 	materials, la 0.6 0.6 0.6 0.6 0.6 0.6 0.6	bour, complet	te as per specific: 31.20 24.00 25.20 31.80 20.40 55.20 60.00 271.80 <b>275.00</b>	ations.	54,450.00 25.66.206.00

Assistant Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru



### Name of the Work : Providing and fixing of Sign boards for Heritage Character only(Non- Road side)

SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount		
	Providing and fixing RCC name board of size 1	.35 x 0.6 x	0.04 mtrs f	ixed in rein	forced cer	nent concrete po	les of size			
	0.1 x 0.1 x 2.6 mtrs in cement concrete M 20 proportion using 20 mm and down size graded metal machine mixed									
	with 10 mm dia main steel bars and 8 mm dia stirups. The board shall be provided with 12 mm thick cement plaster									
	in cement mortar 1:3 on both the sides. The poles shall be embedded in the ground for a depth of 0.5 m with									
I	cement concrete M 10 proportion. The board	shall be fi	xed as pe	r the drawi	ng and at	the place indicat	ted by the			
	engineer in charge of the work. The cost incl	udes exca	vation, bar	e cost of a	II material	s, cost of steel,	centering,			
	transporation charges, fixing charges, labou	r, HOM et	c., The w	ork shall	be carried	d out as per the	e detailed			
	specifications , drawings and directions of the e	engineer of	the work.							
	S R item NO.37.60, Page no. 271	15				<u>15</u>	6050.00	90,750.00		
						Each				
	Basic rate	5500.00								
	Add 10% for Malnad area works	550.00								
	Total	<u>6050.00</u>	/Each							
		Sub Tota						90,750.00		

Assistant Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru



	Description of work	No		D	D	Quantity	Dete	Amount
SI.No.	Description of work KSRB 24-36: Removing the tiles in patches	No	L Deling 10 tiles	B	D	Quantity	Rate	Amount
	•		•		•		Ū.	
1	preparing surfaces and laying or setting new	or old tiles c	omplete inclu	uding cost o	f materials (	excluding cost	of tiles) labour,	
	complete as per specifications. Specification n	o. KBS 24 -	glazed tiles		-	-		
	S.R. Item No. 16.31 Page 133							
		2			1.2			
	-	2			1.2	-		
	Steps	3		0.2		0.63		
		2		3		24		
		3	1.05	0.3		0.95		
					0	47.90		44,000,0
					Say	<u>50</u>		44,220.0
	Destaurate	004.00				Sqm		
	Basic rate	804.00 80.40						
	Add 10% for Malnad area works	884.40					ł – – – ł	
	Total	004.40	/Sqiii					
2	KSRRB M200-12.1. Dismantling of existing s masonry, cement concrete, wood work, steel material, disposal of unservicable material and S.R Item No 18.17 Page 139	work, includi	ng T&P ans	scaffolding	wherever ne	cessary, sorting	the dismantled	
	For masonry							
		4	4.5	0.35	1.20	7.56		
		1	1.2	0.9	0.30			
		1	1.2	0.6	0.30	0.22		
		1	1.2	0.3	0.30	0.11		
						8.21		
					Say	<u>9.00</u>	499.40	4,494.6
	Basic rate	454.00				Cum		
	Add 10% for Malnad area works	<u>45.40</u>						
	Total	<u>499.40</u>						
3	Dismantling steel work in single sections inclu and flats			acking within	n 50 metres	lead in : Channe	els, angles, tees	
	CPWD Delhi SR 2018 , Vol. 2 , SR Item no. 1	5.17.2, Page				200.00	17	240.0
		· · ·	200.00					340.00
						kg		
4	KSRB 2-2 : Earthwork excavation by Manual a conduits either in pits or in trenches 1.5m ar	nd above in v	width, in so	il not excee	ding 1.5 m.	in depth includi	ng dressing the	
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100%	nd above in v g the excava ns. specificat	width, in so ted soil clear ion. No. KBS	il not excee from edges 2.1(a) / 2.3.	ding 1.5 m. of excavation 5	in depth includi n with lead upto	ng dressing the 50 m. including	
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification	nd above in v g the excava ns. specificat	width, in so ted soil clear ion. No. KBS 4.252	il not excee from edges 2.1(a) / 2.3. 0.4	ding 1.5 m. of excavation 5 0.6	in depth includi n with lead upto 2.04	ng dressing the 50 m. including	
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100%	nd above in v g the excava ns. specificat 2 2	width, in so ted soil clear ion. No. KBS 4.252 3.228	il not excee from edges 2.1(a) / 2.3. 0.4 0.4	ding 1.5 m. of excavation 5 0.6 0.6	in depth includi n with lead upto 2.04 1.55	ng dressing the 50 m. including	
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100%	nd above in v g the excava ns. specificat 2 2 1	width, in so ted soil clear ion. No. KBS 4.252 3.228 2.35	il not excee from edges 2.1(a) / 2.3. 0.4 0.4 0.3	ding 1.5 m. of excavation 5 0.6 0.6 0.35	in depth includi n with lead upto 2.04 1.55 0.25	ng dressing the 50 m. including	
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100%	nd above in v g the excava ns. specificat 2 2	width, in so ted soil clear ion. No. KBS 4.252 3.228 2.35	il not excee from edges 2.1(a) / 2.3. 0.4 0.4	ding 1.5 m. of excavation 5 0.6 0.6 0.35	in depth includi n with lead upto 2.04 1.55 0.25 0.12	ng dressing the 50 m. including	
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100%	nd above in v g the excava ns. specificat 2 2 1	width, in so ted soil clear ion. No. KBS 4.252 3.228 2.35	il not excee from edges 2.1(a) / 2.3. 0.4 0.4 0.3	ding 1.5 m. of excavation 5 0.6 0.6 0.35 0.35	in depth includi n with lead upto 2.04 1.55 0.25	ng dressing the 50 m. including	1,315.6
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100%	nd above in v g the excava ns. specificat 2 2 1	width, in so ted soil clear ion. No. KBS 4.252 3.228 2.35	il not excee from edges 2.1(a) / 2.3. 0.4 0.4 0.3	ding 1.5 m. of excavation 5 0.6 0.6 0.35	in depth includi n with lead upto 2.04 1.55 0.25 0.12 3.96	ng dressing the 50 m. including	1,315.60
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100%	nd above in v g the excava ns. specificat 2 2 1	vidth, in so ted soil clear ion. No. KBS 4.252 3.228 2.35 0.595	il not excee from edges 2.1(a) / 2.3. 0.4 0.4 0.3	ding 1.5 m. of excavation 5 0.6 0.6 0.35 0.35	in depth includi n with lead upto 2.04 1.55 0.25 0.12 3.96 <b>4.00</b>	ng dressing the 50 m. including	1,315.60
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100% S.R. Item No. 2.3 Page 6	d above in v g the excava ns. specificat 2 2 2 1 2 2	vidth, in so ted soil clear ion. No. KBS 4.252 3.228 2.35 0.595	il not excee from edges 2.1(a) / 2.3. 0.4 0.4 0.3	ding 1.5 m. of excavation 5 0.6 0.6 0.35 0.35	in depth includi n with lead upto 2.04 1.55 0.25 0.12 3.96 <b>4.00</b>	ng dressing the 50 m. including	1,315.64
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100% S.R. Item No. 2.3 Page 6	d above in v g the excava ns. specificat 2 2 1 1 2 2 2 2 2 2 2 1 1 2 2 2 2 2 2	vidth, in so ted soil clear ion. No. KBS 4.252 3.228 2.35 0.595	il not excee from edges 2.1(a) / 2.3. 0.4 0.4 0.3	ding 1.5 m. of excavation 5 0.6 0.6 0.35 0.35	in depth includi n with lead upto 2.04 1.55 0.25 0.12 3.96 <b>4.00</b>	ng dressing the 50 m. including	1,315.64
4	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100% S.R. Item No. 2.3 Page 6 Basic rate Add 10% for Malnad area works	d above in v g the excava ns. specificat 2 2 1 2 2 1 2 2 9 0 299.00 299.00 29.90 328.90 328.90 9 Jain cemen @ 0.892 cur pacted, in fou	vidth, in so ted soil clear ion. No. KBS 4.252 3.228 2.35 0.595 //Cum t concrete oi n and fine ag	il not excee from edges 2.1(a) / 2.3. 0.4 0.4 0.4 0.3 0.3 0.3 6 f mix 1:4:8 w gregates @	ding 1.5 m. of excavation 5 0.6 0.6 0.35 0.35 Say ///////////////////////////////////	in depth includi n with lead upto 2.04 1.55 0.25 0.12 3.96 4.00 Cum 220 kgs, with 4 machine mixed,	ng dressing the 50 m. including 328.90 328.90 0mm and down concrete laid in	1,315.60
	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100% S.R. Item No. 2.3 Page 6 Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates layers not exceeding 15 cms. thick, well comp	d above in v g the excava ns. specificat 2 2 1 2 2 1 2 2 9 0 299.00 299.00 29.90 328.90 328.90 9 Jain cemen @ 0.892 cur pacted, in fou	vidth, in so ted soil clear ion. No. KBS 4.252 3.228 2.35 0.595 //Cum t concrete oi n and fine ag	il not excee from edges 2.1(a) / 2.3. 0.4 0.4 0.4 0.3 0.3 0.3 6 f mix 1:4:8 w gregates @	ding 1.5 m. of excavation 5 0.6 0.6 0.35 0.35 Say ///////////////////////////////////	in depth includi n with lead upto 2.04 1.55 0.25 0.12 3.96 4.00 Cum 220 kgs, with 4 machine mixed,	ng dressing the 50 m. including 328.90 328.90 0mm and down concrete laid in	1,315.6
	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100% S.R. Item No. 2.3 Page 6 Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates layers not exceeding 15 cms. thick, well comp as per specifications. Specification No. KBS 4	d above in v g the excava ns. specificat 2 2 1 2 2 1 2 2 9 0 299.00 299.00 29.90 328.90 9 Jain cemen @ 0.892 cur pacted, in fou	vidth, in so ted soil clear ion. No. KBS 4.252 3.228 2.35 0.595 //Cum /Cum t concrete of n and fine ag ndation inclu	il not excee from edges 2.1(a) / 2.3. 0.4 0.4 0.4 0.3 0.3 0.3 6 f mix 1:4:8 w gregates @	ding 1.5 m. of excavation 5 0.6 0.6 0.35 0.35 Say //ith OPC @ 0.465 cum if all materials	in depth includi n with lead upto 2.04 1.55 0.25 0.12 3.96 4.00 Cum 220 kgs, with 4 machine mixed,	ng dressing the 50 m. including 328.90 0mm and down concrete laid in curing complete	1,315.6
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5	conduits either in pits or in trenches 1.5m ar bottom and sides of pits and trenches, stackin breaking of clods complete as per specification In Ordinary Soil 100% S.R. Item No. 2.3 Page 6 Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates layers not exceeding 15 cms. thick, well comp as per specifications. Specification No. KBS 4 S.R. Item No. 4.3 Page 13 Basic rate Add 10% for Malnad area works Total Basic rate Add 10% for Malnad area works Total Providing and constructing laterite size stone specification FOR basement in C M 1:6	d above in v g the excava ns. specificat 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 9 0 2 2 9 9 0 2 2 9 9 0 2 2 9 9 0 2 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 9 9 0 2 8 9 9 0 2 8 9 0 0 2 9 9 0 0 2 9 9 0 0 2 9 9 0 0 2 8 9 0 0 2 9 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 2 8 9 0 0 0 3 2 8 9 0 0 0 3 2 8 9 0 0 0 3 2 8 9 0 0 0 3 2 8 9 0 0 0 0 8 9 2 8 9 0 0 0 3 2 8 9 0 0 1 1 1 1 1 2 8 9 0 0 1 1 1 1 1 2 8 9 0 0 1 1 1 1 1 1 1 1 1 2 2 2 9 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	vidth, in so ted soil clear ion. No. KBS 4.252 3.228 2.35 0.595 //Cum t concrete of n and fine ag ndation inclu 4.252 3.228 2.35 0.595 2.35 2.35 0.595 2.35 2.35 2.35 0.595 2.35 2.35 2.35 2.35 2.35 2.35 2.35 2.3	il not excee from edges 2.1(a) / 2.3 0.4 0.4 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.4 0.4 0.4 0.4 0.4 0.3 0.3 0.825 0.3 5 0.35 0.35	ding 1.5 m. of excavation 5 0.6 0.6 0.35 0.35 Say ///////////////////////////////////	in depth includi n with lead upto 2.04 1.55 0.25 0.12 3.96 4.00 Cum 220 kgs, with 4 machine mixed, s, labour, HOM 0.34 0.34 0.26 0.07 0.04 0.19 0.90 1.00 Cum 0.39 0.39 0.39 0.39 0.39 0.39 0.39 0.39	ng dressing the 50 m. including 50 m. including 328.90 328.90 0mm and down concrete laid in curing complete 6063.20 6063.20	6,063.20

#### PROPOSED "RETROFITTING/REDEVELOPMENT OF CAR STREET AND AREAS OF SRI VENKATRAMANA TEMPLE AS RELIGIOUS ZONE"



								MART CITY Markey
						6.27		
					Say	<u>6.50</u>	5761.80	37,451.70
						Cum		
	Basic rate	5238.00						
	Add 10% for Malnad area works	523.80						
	Total	5761.80	/Cum					
	KSRB15-5 : Providing rough cement plas	tering 15mm thi	ick in sinale	coat with c	ement morta	to brick maso	nrv for base of	
7	dadoing works with sand of approved qua							
/			ind removing	scanolulity,	including co	St UI Indiendis	, laboul, culling	
	complete as per specifications - cement mo	ortar 1:4						
	SR Item no. 15.30, Page no. 117							
		2	4.252		0.763	6.49		
		2	3.228		0.763	4.93		
		1	2.35		0.825	1.94		
		2	0.825		0.263	0.43		
						13.79		
					Say	14.00	227.70	3,187.80
					Ody	Sqm	227.70	0,107.00
	Paoio roto	007.00				Sqiii		
	Basic rate	207.00						
	Add 10% for Malnad area works	<u>20.70</u>						
	Total	227.70						
	KSRB 2.3- Filling available excavated earth	i (excluding rock	<li>in sides of</li>	foundations	upto plinth in	layers not exc	eeding 20 cms.	
8	In depth, compacting each deposited layer	by ramming afte	er watering w	ith lead upto	50m and lift	upto 1.5 m incli	uding cost of all	
	labour complete as per specifications. Spec		•			•	0	
	S.R. Item No. 2.10 Page 7		0 2.0 0000	ourin ouitab	io ioi plantati			
	S.n. nem No. 2.10 Tage 7	1	3.8	3.228	0.763	9.36		
		1	3.0	3.220			001.10	0.011.00
					Say	<u>10.00</u>	221.10	2,211.00
	Basic rate	201.00				Cum		
	Add 10% for Malnad area works	20.10						
	Total	221.10	/Cum					
			Sub Total					99.284.00
		ç	Sub Total					99,284.00
Non SoR	Items - Approved Rates Providing and fixing of good quality Karka	la granite stone	e with minimu		•			99,284.00
Non SoR	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit	la granite stone with sandblasti Indling, labour, c	e with minimung before ha	ndover. The of additional	cost shall ir masonry / fill	nclude removal ing for foundation	of existing tree on and support	99,284.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate)	la granite stone with sandblasti Indling, labour, c ie as per instruc	with minimung before has construction of ctions of Arc	ndover. The of additional	e cost shall ir masonry / fill e PMC and ir	iclude removal ing for foundation incharge Execut	of existing tree on and support	99,284.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit	la granite stone with sandblasti Indling, labour, c te as per instruc 2.00	with minimung before ha construction of ctions of Arc 4.65	ndover. The of additional	e cost shall ir masonry / fill e PMC and ir 0.86	nclude removal ing for foundation ncharge Execut 8.03	of existing tree on and support	99,284.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate)	la granite stone with sandblasti Indling, labour, c ie as per instruc	with minimung before has construction of ctions of Arc	ndover. The of additional	e cost shall ir masonry / fill e PMC and ir	iclude removal ing for foundation incharge Execut	of existing tree on and support	99,284.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate)	la granite stone with sandblasti Indling, labour, c te as per instruc 2.00	with minimung before ha construction of ctions of Arc 4.65	ndover. The of additional	e cost shall ir masonry / fill e PMC and ir 0.86	nclude removal ing for foundation ncharge Execut 8.03	of existing tree on and support	99,284.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate)	la granite stone with sandblasti Indling, labour, c te as per instruc 2.00	with minimung before ha construction of ctions of Arc 4.65	ndover. The of additional	e cost shall ir masonry / fill e PMC and ir 0.86	nclude removal ing for foundation ncharge Execut 8.03 7.47	of existing tree on and support	<b>99,284.00</b>
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate)	la granite stone with sandblasti Indling, labour, c te as per instruc 2.00	with minimung before ha construction of ctions of Arc 4.65	ndover. The of additional	e cost shall ir masonry / fill e PMC and ir 0.86 0.86	aclude removal ing for foundation incharge Execut 8.03 7.47 15.50 16.00	of existing tree on and support ive Engineer of	
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work	la granite stone with sandblastii Indling, labour, c ie as per instruc 2.00 2.00	with minimung before has construction of Arccitions of Arccitions of Arccitions 4.65	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say	actude removal ing for foundation ncharge Execut 8.03 7.47 15.50 <u>16.00</u> Sqm	of existing tree on and support ive Engineer of	
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate)	la granite stone with sandblastii indling, labour, c ie as per instruc 2.00 2.00 2.00	with minimung before has construction of Arcc 4.65 4.33	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 0.86 Say 1.20	actude removal ing for foundation incharge Execut 8.03 7.47 15.50 <u>16.00</u> Sqm 10.39	of existing tree on and support ive Engineer of	
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work	la granite stone with sandblastii indling, labour, c ie as per instruc 2.00 2.00 2.00 2.00	with minimung before has construction of Arctions of Arctions of Arctions 4.65	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 0.86 Say 1.20 1.20	aclude removal ing for foundation acharge Execut 8.03 7.47 15.50 <u>16.00</u> Sqm 10.39 8.28	of existing tree on and support ive Engineer of	
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work	la granite stone with sandblastii indling, labour, c ie as per instruc 2.00 2.00 2.00	with minimung before has construction of Arcc 4.65 4.33	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 0.86 Say 1.20	actude removal ing for foundation acharge Execut 8.03 7.47 15.50 <b>16.00</b> Sqm 10.39 8.28 3.88	of existing tree on and support ive Engineer of	
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work	la granite stone with sandblastii indling, labour, c ie as per instruc 2.00 2.00 2.00 2.00	with minimung before has construction of Arctions of Arctions of Arctions 4.65	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83	Activation of the second secon	of existing tree on and support ive Engineer of 36612	5,85,792.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work	la granite stone with sandblastii indling, labour, c ie as per instruc 2.00 2.00 2.00 2.00	with minimung before has construction of Arctions of Arctions of Arctions 4.65	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 0.86 Say 1.20 1.20	Activation of the second state of the second s	of existing tree on and support ive Engineer of	5,85,792.00
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	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work	la granite stone with sandblastii indling, labour, c ie as per instruc 2.00 2.00 2.00 2.00	with minimung before has construction of Arctions of Arctions of Arctions 4.65	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83	Activation of the second secon	of existing tree on and support ive Engineer of 36612	5,85,792.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring	la granite stone with sandblastii indling, labour, c ie as per instruc 2.00 2.00 2.00 2.00 2.00	with minimung before has construction of Arco 4.65 4.33 4.33 3.45 2.35 4.65	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 0.86 Say 1.20 1.20 0.83 Say	actude removal ing for foundation incharge Execut 8.03 7.47 15.50 <u>16.00</u> Sqm 10.39 8.28 3.88 22.55 <u>23.00</u> Sqm	of existing tree on and support ive Engineer of 36612	5,85,792.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring	la granite stone with sandblastii indling, labour, c ie as per instruc 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.65 4.33	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say Say 0.86 0.86 0.86	Activate removal ing for foundation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Acti	of existing tree on and support ive Engineer of 36612	5,85,792.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring	la granite stone with sandblastii indling, labour, c te as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 4.65 4.33 4.33	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say Say 0.86 0.86 0.86 1.20	Activation of the interval and the inter	of existing tree on and support ive Engineer of 36612	5,85,792.00
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	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring	la granite stone with sandblastii indling, labour, c te as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 4.33 4.33 3.45	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say Say 0.86 0.86 0.86 1.20	Activate removal ing for foundation incharge Execut 8.03 7.47 15.50 <b>16.00</b> Sqm 10.39 8.28 3.88 22.55 <b>23.00</b> Sqm 8.03 7.47 10.39 8.28 3.88	of existing tree on and support ive Engineer of 36612	5,85,792.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring	la granite stone with sandblastii indling, labour, c te as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of ctions of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 4.33 3.45	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say Say 0.86 0.86 0.86 0.86 1.20 1.20 0.83	Activate removal ing for foundation incharge Execute 8.03 7.47 15.50 <b>16.00</b> Sqm 10.39 8.28 3.88 22.55 <b>23.00</b> Sqm 8.03 7.47 10.39 8.28 3.88 3.88 3.88 3.88 3.88 3.88 3.88	of existing tree on and support ive Engineer of 36612 36600	5,85,792.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring	la granite stone with sandblastii indling, labour, c te as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of ctions of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 4.33 3.45	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say Say 0.86 0.86 0.86 1.20 1.20	Activate removal ing for foundation acharge Execut 8.03 7.47 15.50 <b>16.00</b> Sqm 10.39 8.28 3.88 22.55 <b>23.00</b> Sqm 8.03 7.47 10.39 8.28 3.88 3.88 3.88 3.88 3.88 3.88	of existing tree on and support ive Engineer of 36612	5,85,792.00
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	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring	la granite stone with sandblastii indling, labour, c te as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of ctions of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 4.33 3.45	ndover. The of additional	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say Say 0.86 0.86 0.86 0.86 1.20 1.20 0.83	Activate removal ing for foundation acharge Execut 8.03 7.47 15.50 <b>16.00</b> Sqm 10.39 8.28 3.88 22.55 <b>23.00</b> Sqm 8.03 7.47 10.39 8.28 3.88 3.88 3.88 3.88 3.88 3.88	of existing tree on and support ive Engineer of 36612 36600	5,85,792.00 82,800.00 18,525.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring Sandblasting	la granite stone with sandblastii indling, labour, c te as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of ctions of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 4.33 3.45	Indover. The	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say Say 0.86 0.86 0.86 0.86 1.20 1.20 0.83	Activate removal ing for foundation acharge Execut 8.03 7.47 15.50 <b>16.00</b> Sqm 10.39 8.28 3.88 22.55 <b>23.00</b> Sqm 8.03 7.47 10.39 8.28 3.88 3.88 3.88 3.88 3.88 3.88	of existing tree on and support ive Engineer of 36612 36600 3600 475	5,85,792.00 82,800.00 18,525.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring Sandblasting Sandblasting Aane kallu with steps	la granite stone with sandblastii indling, labour, c te as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of ctions of Arc 4.65 4.33 3.45 2.35 4.65 4.33 4.33 3.45 2.35	Indover. The of additional whitect of the other of the other of the other of the other oth	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say 0.86 0.86 1.20 1.20 0.83 Say Say	Activate removal ing for foundation incharge Execut 8.03 7.47 15.50 16.00 Sqm 10.39 8.28 3.88 22.55 23.00 Sqm 8.03 7.47 10.39 8.28 3.88 3.88 3.805 39.00 Sqm	of existing tree on and support ive Engineer of 36612 36600 3600 475 1,20,000.00	5,85,792.00 82,800.00 18,525.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work 1000000000000000000000000000000000000	la granite stone with sandblastii indling, labour, c te as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of ctions of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 4.33 3.45 2.35 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.	Indover. The of additional children of the off additional children of the off	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say 0.86 0.86 1.20 1.20 0.83 Say Say	Activate removal ing for foundation incharge Execut 8.03 7.47 15.50 16.00 Sqm 10.39 8.28 3.88 22.55 23.00 Sqm 8.03 7.47 10.39 8.28 3.88 3.88 3.805 39.00 Sqm	of existing tree on and support ive Engineer of 36612 36600 3600 475 1,20,000.00	5,85,792.00 82,800.00 18,525.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work flooring Sandblasting Sandblasting Aane kallu with steps	la granite stone with sandblastii indling, labour, c ie as per instruc- 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	with minimum ng before has construction of ctions of Arco 4.65 4.33 3.45 2.35 4.65 4.33 3.45 2.35 7 4.65 4.33 3.45 2.35 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Indover. The of additional thitect of the set Set tree planter h proved Rate)	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say 0.86 0.86 1.20 1.20 0.83 Say Say	Activate removal ing for foundation incharge Execut 8.03 7.47 15.50 <b>16.00</b> Sqm 10.39 8.28 3.88 22.55 <b>23.00</b> Sqm 8.03 7.47 10.39 8.28 3.88 3.805 <b>39.00</b> Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation Sqm activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation activation	of existing tree on and support ive Engineer of 36612 36600 3600 475 1,20,000.00	5,85,792.00 82,800.00 18,525.00
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	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work 1000000000000000000000000000000000000	la granite stone with sandblastii indling, labour, c ie as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 3.45 2.35 2.35 4.65 4.33 3.45 2.35 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.	Indover. The of additional chitect of the shitect o	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say 0.86 0.86 1.20 1.20 0.83 Say Say	Activate removal ing for foundation incharge Execut 8.03 7.47 15.50 <b>16.00</b> Sqm 10.39 8.28 3.88 22.55 <b>23.00</b> Sqm 8.03 7.47 10.39 8.28 3.88 38.05 <b>39.00</b> Sqm Activation Sqm Activation	of existing tree on and support ive Engineer of 36612 36600 3600 475 1,20,000.00	5,85,792.00 82,800.00 18,525.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work 1000000000000000000000000000000000000	la granite stone with sandblasti indling, labour, c ie as per instruc 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of Arco etions of Arco eti	Indover. The of additional chitect of the shitect o	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say 0.86 0.86 1.20 1.20 0.83 Say Say	Activate removal ing for foundation herein a securit 15.50 16.00 Sqm 10.39 8.28 3.88 22.55 23.00 Sqm 8.03 7.47 10.39 8.28 3.88 38.05 39.00 Sqm activation a security of the security of th	of existing tree on and support ive Engineer of 36612 36600 3600 475 1,20,000.00	5,85,792.00 82,800.00 18,525.00
	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work 1000000000000000000000000000000000000	la granite stone with sandblastii indling, labour, c ie as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 3.45 2.35 2.35 4.65 4.33 3.45 2.35 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.	Indover. The of additional chitect of the shitect o	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say 0.86 0.86 1.20 1.20 0.83 Say Say	Activate removal ing for foundation incharge Execut 8.03 7.47 15.50 <b>16.00</b> Sqm 10.39 8.28 3.88 22.55 <b>23.00</b> Sqm 8.03 7.47 10.39 8.28 3.88 38.05 <b>39.00</b> Sqm Activation Sqm Activation	of existing tree on and support ive Engineer of 36612 36600 3600 475 1,20,000.00 per instructions	5,85,792.00 82,800.00 18,525.00 1,20,000.00
1	Providing and fixing of good quality Karka drawing using cement mortar and finished planter box, delivery of materials to site, ha for carved granite stone as required at sit MSCL. (Approved Rate) 3 line dressed karkala stone work 1000000000000000000000000000000000000	la granite stone with sandblastii indling, labour, c ie as per instruct 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.0	e with minimung before has construction of Arco 4.65 4.33 4.33 3.45 2.35 4.65 4.33 3.45 2.35 2.35 4.65 4.33 3.45 2.35 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.	Indover. The of additional chitect of the shitect o	cost shall ir masonry / fill PMC and ir 0.86 0.86 Say 1.20 1.20 0.83 Say 0.86 0.86 1.20 1.20 0.83 Say Say	Activate removal ing for foundation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Activation Acti	of existing tree on and support ive Engineer of 36612 36600 3600 475 1,20,000.00 per instructions	

Assistant Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru



### Name of the Work : RCC foundation for Cast Iron Railings and MS Bollards

	Description of work	No	L	В	D	Quantity	Rate	Amount
	KSRB 2-2 : Earthwork excavation by Manu	al means for	RAILINGS foundation	of buildings	water sup	olv and sanitary	lines and	
				-				
1	electrical conduits either in pits or in trenche						-	
	dressing the bottom and sides of pits and tr	enches, stacl	king the exca	avated soil c	lear from ec	lges of excavatio	n with lead	
	upto 50 m. including breaking of clods comple	ete as per spe	cifications. s	pecification.	No. KBS 2.1	(a) / 2.3.5		
	In Ordinary Soil 90%							
	S.R. Item No. 2.3 Page 6							
	Sector 1	85	0.3	0.3	0.5			
	Sector 3	30	0.3	0.3	0.5			
	Sector 4	82	0.3	0.3				
	Sector 5	82	0.3	0.3	0.5	12.56		
					Say	13.00	328.90	4,276.0
	Basic rate	299.00			Ody	Cum	020.00	4,270.0
	Add 10% for Malnad area works	29.90				Odin		
	Total	328.90	/Cum					
	KSRB 4.2.8: Providing and laying in position	reinforced ce	ement concre	ete design m	nix M20 with	OPC @320kgs,	with 20mm	
	and down size graded granite metal course a	grregates @ (	).69Cum and	l fine aggreg	ates @ 0.46	Cum, with super	plasticisers	
	@ 3 Its confirming to IS9103- 1999 Reaffirm					-	-	
	- •					•		
2	vibrated for all works in ground floor level for	roof slabs, sta	aircase, lintel	s and beams	s, retaining v	valls, return walls	, walls (any	
	thickness) including attached pilasters, colun	nns, lintels, pi	lars, posts, s	struts, buttre	sses, string	or lacing courses	s, parapets,	
	coping, bed blocks, anchor blocks, plain v	indow cills, f	illets etc., ir	cluding cos	t of all mat	erials, labour, H	OM curing,	
	complete but excluding cost of reinforcement	as per specifi	cations. Spe	cification No.	KBS 4.1. 4.	6		
	S.R Item No 4.13 Page No. 14							
		1						
	Sector 1	85	0.3	0.3	0.5	3.825		
	Sector 3	30	0.3	0.3	0.5	1.35		
	Sector 4	82	0.3	0.3	0.5	3.69		
	Sector 5	82	0.3	0.3	0.5	3.69		
						12.56		
					Say	<u>13.00</u>	6899.20	89,689.6
	Basic rate	6272.00				Cum		
	Add 10% for Malnad area works	627.20						
	Total	6899.20	/Cum					
		<u>6899.20</u>						
	Total	<u>6899.20</u>	S BOLLAF					
	Total KSRB 2-2 : Earthwork excavation by Manu	6899.20 M al means for	S BOLLAR foundation	of buildings,				
	Total	6899.20 M al means for	S BOLLAR foundation	of buildings,				
3	Total KSRB 2-2 : Earthwork excavation by Manu	6899.20 M al means for es 1.5m and a	S BOLLAR foundation above in wid	of buildings, th, in soil	not exceedir	ng 1.5 m. in dep	th including	
3	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr	6899.20 M al means for es 1.5m and a enches, stack	S BOLLAF foundation above in wid king the exca	of buildings, th, in soil avated soil c	not exceedir lear from ec	ng 1.5 m. in dep Iges of excavatio	th including	
3	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple	6899.20 M al means for es 1.5m and a enches, stack	S BOLLAF foundation above in wid king the exca	of buildings, th, in soil avated soil c	not exceedir lear from ec	ng 1.5 m. in dep Iges of excavatio	th including	
3	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3	6899.20 M al means for es 1.5m and a enches, stack ete as per spe	S BOLLAR foundation above in wid king the exca cifications. s	of buildings, th, in soil avated soil c pecification.	not exceedir lear from ec No. KBS 2.1	ng 1.5 m. in dep Iges of excavatio (a) / 2.3.5	th including	
3	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard	6899.20 M al means for es 1.5m and a enches, stack te as per spe 20	S BOLLAR foundation above in wid king the exca cifications. s 0.45	of buildings, th, in soil avated soil c pecification. 0.45	not exceedir lear from ec No. KBS 2.1	ng 1.5 m. in dep Iges of excavatio (a) / 2.3.5	th including	
3	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3	6899.20 M al means for es 1.5m and a enches, stack ete as per spe	S BOLLAR foundation above in wid king the exca cifications. s 0.45	of buildings, th, in soil avated soil c pecification. 0.45	not exceedir lear from ec No. KBS 2.1	lges of excavatio (a) / 2.3.5 1.62 1.30	th including	
	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard	6899.20 M al means for es 1.5m and a enches, stack te as per spe 20	S BOLLAR foundation above in wid king the exca cifications. s 0.45	of buildings, th, in soil avated soil c pecification. 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4	lges of excavatic (a) / 2.3.5 1.62 1.30 2.92	th including	
3 a)	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard	6899.20 M al means for es 1.5m and a enches, stack te as per spe 20	S BOLLAR foundation above in wid king the exca cifications. s 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45	not exceedir lear from ec No. KBS 2.1	lges of excavatio (a) / 2.3.5 1.62 1.30	th including	1,052.4
	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90%	6899.20 M al means for es 1.5m and a enches, stack te as per spe 20	S BOLLAF foundation above in wid king the exca cifications. s 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4	lges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 <b>3.20</b>	th including n with lead	1,052.4
	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90%	6899.20 M al means for es 1.5m and a enches, stack te as per spe 20	S BOLLAF foundation above in wid king the exca cifications. s 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4	lges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20	th including n with lead	1,052.4
	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90%	6899.20 M al means for es 1.5m and a enches, stack te as per spe 20	S BOLLAF foundation above in wid king the exca cifications. s 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4	lges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 <b>3.20</b>	th including n with lead	1,052.4
	Total KSRB 2-2 : Earthwork excavation by Manu- electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90% S.R. Item No. 2.3 Page 6	6899.20 Mal means for es 1.5m and a enches, stacl tte as per spe 20 16	S BOLLAF foundation above in wid king the exca cifications. s 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4	lges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 <b>3.20</b>	th including n with lead	1,052.4
	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90% S.R. Item No. 2.3 Page 6 Basic rate	6899.20 Mal means for es 1.5m and a enches, stacl ete as per spe 20 16 16 299.00	S BOLLAF foundation above in wid king the excc cifications. s 0.45 0.45 0.45 3.20	of buildings, th, in soil avated soil c pecification. 0.45 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4	lges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 <b>3.20</b>	th including n with lead	1,052.4
	Total KSRB 2-2 : Earthwork excavation by Manu- electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90% S.R. Item No. 2.3 Page 6 Basic rate Add 10% for Malnad area works Total	6899.20 Mal means for ss 1.5m and a enches, stack te as per spe 20 16 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 20 20 20 20 20 20 20 20 20	S BOLLAF foundation above in wid king the exca cifications. s 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1	lges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum	th including n with lead 328.9	1,052.4
	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90% S.R. Item No. 2.3 Page 6 Basic rate Add 10% for Malnad area works	6899.20 Mal means for ss 1.5m and a enches, stack te as per spe 20 16 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 20 20 20 20 20 20 20 20 20	S BOLLAF foundation above in wid king the exca cifications. s 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1	lges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum	th including n with lead 328.9	1,052.4
a)	Total KSRB 2-2 : Earthwork excavation by Manu- electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90% S.R. Item No. 2.3 Page 6 Basic rate Add 10% for Malnad area works Total	6899.20 6899.20 Mal means for as 1.5m and a enches, stacl te as per spe 20 16 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 200 200 200 200 200 200 200	S BOLLAF foundation above in wid cifications. s 0.45 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X	not exceedir lear from ec No. KBS 2.1 0.4 0.4 0.4 Say 1 h OPC @ 22	Ing 1.5 m. in dep lges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum Cum 0 kgs, with 40mm	th including n with lead 328.9 328.9 n and down	1,052.4
	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90% S.R. Item No. 2.3 Page 6 Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position	6899.20 Mal means for ss 1.5m and a enches, stack te as per species 200 16 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 200 200 200 200 200 200 200	S BOLLAF foundation above in wid cifications. s 0.45 0.45 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X X	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 n OPC @ 22 0.465 cum r	Ing 1.5 m. in dep lges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c	th including n with lead 328.9 n and down oncrete laid	1,052.4
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complesector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well	6899.20           M           al means for           as 1.5m and a           enches, stack           te as per spe           20           16           20           16           299.00           299.00           299.00           299.00           299.00           299.00           200           0.892 curr           compacted, in	S BOLLAF foundation above in wid cifications. s 0.45 0.45 0.45 3.20 /Cum concrete of n and fine ag	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X X	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 n OPC @ 22 0.465 cum r	Ing 1.5 m. in dep lges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c	th including n with lead 328.9 n and down oncrete laid	1,052.4
a)	Total KSRB 2-2 : Earthwork excavation by Manu electrical conduits either in pits or in trenche dressing the bottom and sides of pits and tr upto 50 m. including breaking of clods comple Sector 3 Fixed MS Bollard Removable MS Bollard In Ordinary Soil 90% S.R. Item No. 2.3 Page 6 Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification	6899.20           M           al means for           as 1.5m and a           enches, stack           te as per spe           20           16           20           16           299.00           299.00           299.00           299.00           299.00           299.00           200           0.892 curr           compacted, in	S BOLLAF foundation above in wid cifications. s 0.45 0.45 0.45 3.20 /Cum concrete of n and fine ag	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X X	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 n OPC @ 22 0.465 cum r	Ing 1.5 m. in dep lges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c	th including n with lead 328.9 n and down oncrete laid	1,052.4
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complesector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well	6899.20           M           al means for           as 1.5m and a           enches, stack           te as per spe           20           16           20           16           299.00           299.00           299.00           299.00           299.00           299.00           200           0.892 curr           compacted, in	S BOLLAF foundation above in wid cifications. s 0.45 0.45 0.45 3.20 /Cum concrete of n and fine ag	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X X	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 n OPC @ 22 0.465 cum r	Ing 1.5 m. in dep lges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c	th including n with lead 328.9 n and down oncrete laid	1,052.4
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complesector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification S.R. Item No. 4.2 Page 13	6899.20           M           al means for           as 1.5m and a           enches, stack           te as per spe           20           16           20           16           299.00           299.00           299.00           299.00           299.00           299.00           200           0.892 curr           compacted, in	S BOLLAF foundation above in wid cifications. s 0.45 0.45 0.45 3.20 /Cum concrete of n and fine ag	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X X	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 h OPC @ 22 0.465 cum n ost of all ma	Ing 1.5 m. in dep Iges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum Cum Cum Com Cum Cum Com Cum Cum Cum Cum Cum Cum Cum Cu	th including n with lead 328.9 n and down oncrete laid	1,052.4
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complet Sector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification S.R. Item No. 4.2 Page 13         For vertical box section - Sector 3	6899.20 Mal means for s 1.5m and a enches, stack te as per spe 20 16 299.00 299.00 299.00 299.00 299.00 299.00 0.892 curr compacted, in No. KBS 4.1,	S BOLLAF foundation above in wid king the exca cifications. s 0.45 0.45 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 0.45 X x mix 1:3:6 with gregates @ including c	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 5ay 1 0.4 65 cum n ost of all ma	I 1.5 m. in dep Iges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c aterials, labour, H 0.41	th including n with lead 328.9 n and down oncrete laid	1,052.4
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complesector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification S.R. Item No. 4.2 Page 13         For vertical box section - Sector 3         Fixed MS Bollard	6899.20 Mal means for es 1.5m and a enches, stacl tte as per spe 20 16 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 20 80 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0	S BOLLAF foundation above in wid xing the exca cifications. s 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X x mix 1:3:6 witl gregates @ including c 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 5ay 1 0.4 65 cum n ost of all ma	I 1.5 m. in dep Iges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c aterials, labour, H 0.41	th including n with lead 328.9 n and down oncrete laid	1,052.4
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complesector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification S.R. Item No. 4.2 Page 13         For vertical box section - Sector 3         Fixed MS Bollard	6899.20 Mal means for es 1.5m and a enches, stacl tte as per spe 20 16 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 20 80 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0	S BOLLAF foundation above in wid xing the exca cifications. s 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X x mix 1:3:6 witl gregates @ including c 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 5ay 1 0.4 65 cum n ost of all ma	1.5 m. in dep lges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c aterials, labour, H 0.41 0.32	th including n with lead 328.9 n and down oncrete laid	1,052.4
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complesector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification S.R. Item No. 4.2 Page 13         For vertical box section - Sector 3         Fixed MS Bollard	6899.20 Mal means for es 1.5m and a enches, stacl tte as per spe 20 16 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 299.00 20 80 0 20 0 0 0 0 0 0 0 0 0 0 0 0 0	S BOLLAF foundation above in wid xing the exca cifications. s 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X x mix 1:3:6 witl gregates @ including c 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 5ay 1 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	Ing 1.5 m. in dep Iges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c aterials, labour, H 0.41 0.32 0.73	th including n with lead 328.9 n and down oncrete laid HOM curing	
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods completes for a solution of the solutis of the solution of the solutis of the solution of the	6899.20           M           al means for           as 1.5m and a           enches, stack           te as per spe           20           16           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           20.892 curr           compacted, in           No. KBS 4.1,           20           16	S BOLLAF foundation above in wid cifications. s 0.45 0.45 0.45 3.20 /Cum concrete of in a and fine ag n foundation 4.2 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X x mix 1:3:6 witl gregates @ including c 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 5ay 1 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4	1.5 m. in dep lges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mr nachine mixed, c aterials, labour, H 0.41 0.32 0.73 1.00	th including n with lead 328.9 n and down oncrete laid HOM curing	
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a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complesector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification S.R. Item No. 4.2 Page 13         For vertical box section - Sector 3         Fixed MS Bollard         Removable MS Bollard	6899.20           M           al means for           es 1.5m and a           enches, stacl           20           16           20           20           20           20           20           20           20           20           20           20           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           20           0           5614.00           5614.00 <t< td=""><td>S BOLLAF foundation above in wid king the exc: cifications. s 0.45 0.45 3.20 /Cum /Cum</td><td>of buildings, th, in soil avated soil c pecification. 0.45 0.45 X mix 1:3:6 with gregates @ including c 0.45 0.45</td><td>not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 5ay 1 0.465 cum n ost of all ma 0.1 0.1 0.1</td><td>Ing 1.5 m. in dep Iges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c aterials, labour, H 0.41 0.32 0.73 1.00 Cum</td><td>th including n with lead 328.9 328.9 m and down oncrete laid HOM curing 6175.40</td><td></td></t<>	S BOLLAF foundation above in wid king the exc: cifications. s 0.45 0.45 3.20 /Cum /Cum	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X mix 1:3:6 with gregates @ including c 0.45 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 5ay 1 0.465 cum n ost of all ma 0.1 0.1 0.1	Ing 1.5 m. in dep Iges of excavatio (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c aterials, labour, H 0.41 0.32 0.73 1.00 Cum	th including n with lead 328.9 328.9 m and down oncrete laid HOM curing 6175.40	
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a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complesector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification S.R. Item No. 4.2 Page 13         For vertical box section - Sector 3         Fixed MS Bollard         Removable MS Bollard	6899.20           M           al means for           es 1.5m and a           enches, stack           20           16           20           20           20           20           20           20           20           20           20           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           20           0           5614.00           5614.00           5614.00	S BOLLAF foundation above in wid king the exc: cifications. s 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X x mix 1:3:6 witi gregates @ including c 0.45 0.45 0.45	not exceedir lear from ec No. KBS 2.1 0.4 Say 1 Say 1 n OPC @ 22 0.465 cum n ost of all ma 0.1 0.1 0.1 0.1 0.1	Ing 1.5 m. in dep Iges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c aterials, labour, H 0.41 0.32 0.73 1.00 Cum th OPC cement	th including n with lead 328.9 328.9 n and down oncrete laid HOM curing 6175.40 6175.40	
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods completes for a solution of the solutis of the solution of the solutis of the solution of the	6899.20           M           al means for           es 1.5m and a           enches, stack           te as per spe           20           16           20           20           20           20           20           20           20           20           20           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           20           0.892           20           5614.00      5	S BOLLAF foundation above in wid king the exc: cifications. s 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X X mix 1:3:6 witi gregates @ including c 0.45 0.45 0.45 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 5ay 1 0.4 65 cum m ost of all ma 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Ing 1.5 m. in dep Iges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c aterials, labour, H 0.41 0.32 0.73 1.00 Cum 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	th including in with lead a 328.9 328.9 a 328.9 a 328.9 a 328.9 a a 6 7 6 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 8 7 8	
a)	Total         KSRB 2-2 : Earthwork excavation by Manuelectrical conduits either in pits or in trenchedressing the bottom and sides of pits and trupto 50 m. including breaking of clods complesector 3         Fixed MS Bollard         Removable MS Bollard         In Ordinary Soil 90%         S.R. Item No. 2.3 Page 6         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification S.R. Item No. 4.2 Page 13         For vertical box section - Sector 3         Fixed MS Bollard         Removable MS Bollard         Removable MS Bollard         KSRB 4-1.2 : Providing and laying in position size graded granite metal course aggregates in layers not exceeding 15 cms. thick, well complete as per specifications. Specification S.R. Item No. 4.2 Page 13         For vertical box section - Sector 3         Fixed MS Bollard         Basic rate         Add 10% for Malnad area works         Total         KSRB 4-1.2 : Providing and laying in position with 20mm and down size graded granite r	6899.20           M           al means for           es 1.5m and a           enches, stack           te as per spe           20           16           20           20           20           20           20           20           20           20           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           299.00           20           0.0           5614.00           5614.00	S BOLLAF foundation above in wid king the exc: cifications. s 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.45	of buildings, th, in soil avated soil c pecification. 0.45 0.45 X X mix 1:3:6 witi gregates @ including c 0.45 0.45 0.45 0.45	not exceedir lear from ec No. KBS 2.1 0.4 0.4 Say 1 5ay 1 0.4 65 cum m ost of all ma 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Ing 1.5 m. in dep Iges of excavation (a) / 2.3.5 1.62 1.30 2.92 3.20 Cum 0 kgs, with 40mm nachine mixed, c aterials, labour, H 0.41 0.32 0.73 1.00 Cum 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.41 0.32 0.73 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	th including in with lead a 328.9 328.9 a 328.9 a 328.9 a 328.9 a a 6 7 6 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 8 7 8	



SI.No.								SMART CITY
	Description of work	No	L	В	D	Quantity	Rate	Amount
	S.R. Item No. 4.11 Page 14							
Α	FOR FOOTINGS							
	For Pedestals- Sector 3							
	Fixed MS Bollard	20	0.3	0.3	0.45	0.81		
	Removable MS Bollard	16	0.3	0.3	0.45	0.65		
						1.46		
					Say	2	6642.90	13,286.0
					ouy	Cum	0012.00	10,200.0
	Decis vete	0000.00				Guili		
	Basic rate	6039.00						
	Add 10% for Malnad area works	<u>603.90</u>						
	Total	<u>6642.90</u>	/Cum					
	KSRB 4.9.2 : Providing TMT steel reinforceme	nt for R.C.C	work includir	ng straighter	ing, cutting,	bending, hookin	g, placing in	
	position, lapping and / or welding wherever	required, tvi	ina with bind	dina wire ar	nd anchoring	to the adioinir	na members	
6			-	-	-	-	-	
	wherever necessary complete as per design		-			and paid) cost	or materials,	
	labour, HOM of machinery complete as per sp	ecifications.	Specification	No. KBS 4.	6.3			
	TMT Bars Fe 500							
	S.R. Item No. 4.46.2 Page17							
	Footings							
	Fixed and Removable MS Bollard		2.00	Х	80.00	160.00		
						160.00	Kas	
		1			Say	200.00		
					Or	<u>200.00</u> 0.20	-	15,572.0
							11000.20	15,572.0
						Tonne		
	Basic rate	70782.00						
	Add 10% for Malnad area works	7078.20						
	Total	<u>77860.20</u>	/Tonne					
	KSRB 4-6.1 : Providing and removing ce	nterina, shu	tterina. strut	tina, proppi	ng etc., and	removal of fo	rm work for	
7					•			
7	foundations, footings, bases of columns for	mass cone	crete includi	ng cost of	all material	s, labour comp	lete as per	
	specifications. Specification No. KBS 4.6.2							
	S.R. Item No. 4.28 Page 16							
	For Foundations							
	Fixed MS Bollard	20	1.2		0.5	12.00		
	Removable MS Bollard	16			0.5			
		10			0.0	21.60		
					Cau		000.00	7 000 (
		-			Say	<u>25</u>	289.30	7,233.0
						Sqm		
	Basic rate	263.00				Sqm		
	Basic rate Add 10% for Malnad area works	263.00 26.30				Sqm		
						Sqm		
	Add 10% for Malnad area works	<u>26.30</u> 289.30				Sqm		1,37,285.
	Add 10% for Malnad area works	<u>26.30</u> 289.30	/Sqm			Sqm		1,37,285.0
on SoR	Add 10% for Malnad area works Total	<u>26.30</u> 289.30	/Sqm			Sqm		1,37,285.0
on SoR	Add 10% for Malnad area works Total Items - Approved Rates	<u>26.30</u> <u>289.30</u> Si	/Sqm ub Total		and 200mm		e with steel	1,37,285.
on SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar	26.30 289.30 St rds of 750 n	/Sqm u <b>b Total</b> nm height al			n dia, 10 Gaug		1,37,285.
on SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar pedestal & steel cap as per designs given by t	26.30 289.30 Solution rds of 750 n he Architect	/Sqm ub Total nm height al including cut	ting, welding	, riveting, po	n dia, 10 Gaug Ilishing. The fou	ndation shall	1,37,285.
on SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar pedestal & steel cap as per designs given by t be with base plate of 275x275x6mm thk and	26.30 289.30 Survey States of 750 n he Architect embedding	/Sqm ub Total mm height al including cut pipe in foun	ting, welding dation of 1:2	, riveting, po 2:4 concrete	n dia, 10 Gaug Ilishing. The fou as shown in dr	ndation shall awing . The	1,37,285.
on SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bolla pedestal & steel cap as per designs given by t be with base plate of 275x275x6mm thk and assembly shall be treated with Rusticised solu	26.30 289.30 rds of 750 n he Architect embedding tion of appro	/Sqm <b>ub Total</b> m height al including cut pipe in foun ved company	ting, welding dation of 1:2 y & applied v	, riveting, pc 2:4 concrete with two coat	n dia, 10 Gaug lishing. The fou as shown in dr s of epoxy paint	ndation shall awing . The ing over one	1,37,285.
on SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar pedestal & steel cap as per designs given by t be with base plate of 275x275x6mm thk and assembly shall be treated with Rusticised solu coat of epoxy primer to resist rusting of mal	26.30 289.30 Sundary State Cartes and the Architect embedding tion of appro- terial (the tree	/Sqm ub Total m height al including cut pipe in foun ved company eatment shal	ting, welding dation of 1:2 y & applied y I be given a	g, riveting, po 2:4 concrete with two coat as per Manu	n dia, 10 Gaug lishing. The fou as shown in dr s of epoxy paint facture's specif	ndation shall awing . The ing over one ications and	1,37,285.
on SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar pedestal & steel cap as per designs given by t be with base plate of 275x275x6mm thk and assembly shall be treated with Rusticised solu coat of epoxy primer to resist rusting of mai certificate to that effect shall be submitted a	26.30 289.30 rds of 750 n he Architect embedding tion of appro terial (the tre long with Gi	/Sqm ub Total including cut pipe in foun ved company aatment shai uarantee Ce	ting, welding dation of 1:2 y & applied y I be given a rtificate). Th	g, riveting, po 2:4 concrete with two coat as per Manu e work shal	n dia, 10 Gaug lishing. The fou as shown in dr s of epoxy paint facture's specif	ndation shall awing . The ing over one ications and	1,37,285.
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n SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar pedestal & steel cap as per designs given by t be with base plate of 275x275x6mm thk and assembly shall be treated with Rusticised solu coat of epoxy primer to resist rusting of mai certificate to that effect shall be submitted a	26.30 289.30 rds of 750 n he Architect embedding tion of appro erial (the tre long with Gi tive Engineer	/Sqm ub Total including cut pipe in foun ved company aatment shai uarantee Ce	ting, welding dation of 1:2 y & applied y I be given a rtificate). Th	g, riveting, po 2:4 concrete with two coat as per Manu e work shal	n dia, 10 Gaug lishing. The fou as shown in dr s of epoxy paint facture's specif l be carried out	ndation shall awing . The ing over one ications and as per the	
n SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar pedestal & steel cap as per designs given by t be with base plate of 275x275x6mm thk and assembly shall be treated with Rusticised solu coat of epoxy primer to resist rusting of mai certificate to that effect shall be submitted a instructions of Architect of the PMC and Exec	26.30 289.30 rds of 750 n he Architect embedding tion of appro terial (the tre long with Gi	/Sqm ub Total including cut pipe in foun ved company aatment shai uarantee Ce	ting, welding dation of 1:2 y & applied y I be given a rtificate). Th	g, riveting, po 2:4 concrete with two coat as per Manu e work shal	n dia, 10 Gaug lishing. The four as shown in dr s of epoxy paint facture's specif l be carried out	ndation shall awing . The ing over one ications and	
n SoR 1	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar pedestal & steel cap as per designs given by t be with base plate of 275x275x6mm thk and assembly shall be treated with Rusticised solu coat of epoxy primer to resist rusting of mai certificate to that effect shall be submitted a instructions of Architect of the PMC and Exec	26.30 289.30 rds of 750 n he Architect embedding tion of appro erial (the tre long with Gi tive Engineer	/Sqm ub Total including cut pipe in foun ved company aatment shai uarantee Ce	ting, welding dation of 1:2 y & applied y I be given a rtificate). Th	g, riveting, po 2:4 concrete with two coat as per Manu e work shal	n dia, 10 Gaug lishing. The fou as shown in dr s of epoxy paint facture's specif l be carried out	ndation shall awing . The ing over one ications and as per the	
n SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar pedestal & steel cap as per designs given by t be with base plate of 275x275x6mm thk and assembly shall be treated with Rusticised solu coat of epoxy primer to resist rusting of mal certificate to that effect shall be submitted a instructions of Architect of the PMC and Exec Fixed Bollards	26.30 289.30 Standard Standard	/Sqm ub Total tincluding cut pipe in foun ved company eatment shal uarantee Ce or MSCL (A	ting, welding dation of 1:2 y & applied v I be given a rtificate). Th pproved Bat	j, riveting, pc 2:4 concrete with two coat as per Manu e work shal e)	n dia, 10 Gaug lishing. The four as shown in dr s of epoxy paint facture's specif I be carried out <u>20</u> Nos.	ndation shall awing . The ing over one ications and as per the 4350	
n SoR	Add 10% for Malnad area works Total Items - Approved Rates Fabricating and providing M.S.Circular Bollar pedestal & steel cap as per designs given by t be with base plate of 275x275x6mm thk and assembly shall be treated with Rusticised solu coat of epoxy primer to resist rusting of mal certificate to that effect shall be submitted a instructions of Architect of the PMC and Exec Fixed Bollards Fabricating and providing M.S.Circular Bolla	26.30 289.30 rds of 750 n he Architect embedding tion of appro- terial (the tre- long with Gu tive Engineer 20.00 rds of 750 n	/Sqm ub Total including cut pipe in foun ved company eatment shal uarantee Ce or MSCL (A m height a	ting, welding dation of 1:2 y & applied v I be given a rtificate). Th pproved Bat	J, riveting, pc 2:4 concrete with two coat as per Manu e work shal e)	n dia, 10 Gaug lishing. The four as shown in dr s of epoxy paint facture's specif I be carried out <u>20</u> Nos. n dia, 10 Gaug	ndation shall awing . The ing over one ications and as per the 4350 e with steel	
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2	Add 10% for Malnad area works         Total         Fabricating and providing M.S.Circular Bollar         pedestal & steel cap as per designs given by t         be with base plate of 275x275x6mm thk and         assembly shall be treated with Rusticised solu         coat of epoxy primer to resist rusting of mai         certificate to that effect shall be submitted a         instructions of Architect of the PMC and Exec         Fixed Bollards         Fabricating and providing M.S.Circular Bolla         pedestal , 275x275x6mm thk base plate(provis         by the Architect including cutting, welding, rive         20mm Diax6 nos holdfasts embedded in 1:2:4         for fixing bollards .The assembly shall be treat         epoxy painting over one coat of epoxy prin         certificate to that effect shall be submitted at         instructions of Architect of the PMC and Execc         Fabricating and providing of Cast Iron grills wit         as per design.         The ornamental grills made of Cast Iron of diameter and 0.0127 m diameter circular sectit         The vertical and horizontal frame supports sl         ground of 304 grade and have brushed steel         welded to vertical hollow pipe of 50 mm dia 16         The work includes providing two coats of er         elements and shall include cost of all materi         specif	26.30 289.30 rds of 750 n he Architect embedding tion of appro terial (the treat long with Gr utive Enginee 20.00 rds of 750 n sion for fixing polishin 4 concrete as ted with Rus her (the treat long with Gr tive Enginee 16.00 h Stainless s weight upto ons as per de bould be ma finish. The guage at inte amel paintin als, fabricatic	/Sqm Jb Total Jb Total	ting, welding dation of 1:2 y & applied v I be given a rtificate). Th porroved Rate bove ground ndation base dation shall v rawing , and on of approv be given a rtificate). Th porved Rate specified siz nall be fram ainless steel ember of 500 eked in the d ded colour ov ainting, tran	I, riveting, pc 2:4 concrete with two coat as per Manu e work shall a) d and 200mr plate) & ste with base plat l provided wi red company s per Manu e work shall a) c) c) c) c) c) c) c) c) c) c	n dia, 10 Gaug lishing. The fou as shown in dr s of epoxy paint i be carried out be carried out <u>200</u> Nos. n dia, 10 Gaug rel cap as per d the of 275x275x6 th 4 Nos. 16 mr & applied with facture's specifi l be carried out <u>16.00</u> Nos. sh/brushed steel ess steel frame ns for height 0. guage hollow p of primer to th accessories cha	ndation shall awing . The ing over one ications and as per the 4350 e with steel esigns given mm thk with n dia J Bolts two coats of cations and as per the 7575 finish)frame of 0.025 m 95 m above ipe shall be the Cast Iron triges as per	87,000.
2	Add 10% for Malnad area works         Total         Fabricating and providing M.S.Circular Bollar         pedestal & steel cap as per designs given by t         be with base plate of 275x275x6mm thk and         assembly shall be treated with Rusticised solu         coat of epoxy primer to resist rusting of maidertificate to that effect shall be submitted a         instructions of Architect of the PMC and Exect         Fixed Bollards         Fabricating and providing M.S.Circular Bolla         pedestal , 275x275x6mm thk base plate(provision by the Architect including cutting, welding, rive         20mm Diax6 nos holdfasts embedded in 1:2:4         for fixing bollards .The assembly shall be treat         epoxy painting over one coat of epoxy print         certificate to that effect shall be submitted a         instructions of Architect of the PMC and Exect         Fabricating and providing of Cast Iron grills wit         as per design.         The ornamental grills made of Cast Iron of         diameter and 0.0127 m diameter circular section         The vertical and horizontal frame supports si         ground of 304 grade and have brushed steed         welded to vertical hollow pipe of 50 mm dia 16         The work includes providing two coats of er         elements and shall include cost of all material	26.30 289.30 rds of 750 n he Architect embedding tion of appro terial (the treat long with Gr utive Enginee 20.00 rds of 750 n sion for fixing polishin 4 concrete as ted with Rus her (the treat long with Gr tive Enginee 16.00 h Stainless s weight upto ons as per de bould be ma finish. The guage at inte amel paintin als, fabricatic	/Sqm Jb Total Jb Total	ting, welding dation of 1:2 y & applied v I be given a rtificate). Th porroved Rate bove ground ndation base dation shall v rawing , and on of approv be given a rtificate). Th porved Rate specified siz nall be fram ainless steel ember of 500 eked in the d ded colour ov ainting, tran	I, riveting, pc 2:4 concrete with two coat as per Manu e work shall a) d and 200mr plate) & ste with base plat l provided wi red company s per Manu e work shall a) c) c) c) c) c) c) c) c) c) c	n dia, 10 Gaug lishing. The four as shown in dr s of epoxy paint facture's specif l be carried out <u>20</u> Nos. n dia, 10 Gaug el cap as per d tte of 275x275x6 th 4 Nos. 16 mr & applied with facture's specifi l be carried out <u>16.00</u> Nos. sh/brushed steel ess steel frame ns for height 0. guage hollow p of primer to th accessories cha Architect of th	ndation shall awing . The ing over one ications and a sper the 4350 e with steel esigns given mm thk with n dia J Bolts two coats of cations and a sper the 7575 finish)frame of 0.025 m 95 m above ipe shall be re Cast Iron rges as per e PMC and	87,000.
2	Add 10% for Malnad area works         Total         Fabricating and providing M.S.Circular Bollar         pedestal & steel cap as per designs given by t         be with base plate of 275x275x6mm thk and         assembly shall be treated with Rusticised solu         coat of epoxy primer to resist rusting of mai         certificate to that effect shall be submitted a         instructions of Architect of the PMC and Exec         Fixed Bollards         Fabricating and providing M.S.Circular Bolla         pedestal , 275x275x6mm thk base plate(provis         by the Architect including cutting, welding, rive         20mm Diax6 nos holdfasts embedded in 1:2:4         for fixing bollards .The assembly shall be treat         epoxy painting over one coat of epoxy prin         certificate to that effect shall be submitted at         instructions of Architect of the PMC and Execc         Fabricating and providing of Cast Iron grills wit         as per design.         The ornamental grills made of Cast Iron of diameter and 0.0127 m diameter circular sectit         The vertical and horizontal frame supports sl         ground of 304 grade and have brushed steel         welded to vertical hollow pipe of 50 mm dia 16         The work includes providing two coats of er         elements and shall include cost of all materi         specif	26.30 289.30 rds of 750 n he Architect embedding tion of appro terial (the treat long with Gr utive Enginee 20.00 rds of 750 n sion for fixing polishin 4 concrete as ted with Rus her (the treat long with Gr tive Enginee 16.00 h Stainless s weight upto ons as per de bould be ma finish. The guage at inte amel paintin als, fabricatic	/Sqm Jb Total Jb Total	ting, welding dation of 1:2 y & applied v I be given a rtificate). Th porroved Rate bove ground ndation base dation shall v rawing , and on of approv be given a rtificate). Th porved Rate specified siz nall be fram ainless steel ember of 500 eked in the d ded colour ov ainting, tran	I, riveting, pc 2:4 concrete with two coat as per Manu e work shall a) d and 200mr plate) & ste with base plat l provided wi red company s per Manu e work shall a) c) c) c) c) c) c) c) c) c) c	n dia, 10 Gaug lishing. The fou as shown in dr s of epoxy paint i be carried out be carried out <u>200</u> Nos. n dia, 10 Gaug rel cap as per d the of 275x275x6 th 4 Nos. 16 mr & applied with facture's specifi l be carried out <u>16.00</u> Nos. sh/brushed steel ess steel frame ns for height 0. guage hollow p of primer to th accessories cha	ndation shall awing . The ing over one ications and as per the 4350 e with steel esigns given mm thk with n dia J Bolts two coats of cations and as per the 7575 finish)frame of 0.025 m 95 m above ipe shall be the Cast Iron triges as per	87,000.



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	Providing and Fixing Precast bollard - 0.75	m high and	0.2 m dia	.cast using	M-30 Grad	e Concrete with	n OPC with	
4	reinforcement as detailed in this specification a	ind with acry	lic painting fi	nish, Includii	ng transporta	tion, loading un	loading and	
	fixing at site as per instructions by Architect of	PMC and EE	engineer in	charge MSC	CL (Approve	d Rate)		
						145.00	2700.00	3,91,500.00
						Nos.		
	Providing Precast Concrete bench - 1.50 m x	0.50 m x 0	<b>).45 m-</b> with	out backrest	and without	armrest using l	M-30 Grade	
-	Concrete with OPC and with reinforcement as	in detailed s	pecification.	Acrylic base	ed paint is us	sed for finishing	top surface.	
5	Including transportation, loading unloading a	nd fixing at s	ite as per ir	nstructions b	y Architect	of PMC and EE	engineer in	
	charge MSCL (Approved Rate)						•	
						75.00	10620.00	7,96,500.00
						Nos.		
		Su	ub Total					57,67,075.00

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	KSRRB M200-12.1. Dismantling of existing							
1	of masonry, cement concrete, wood work dismantled material, disposal of unservica		•		•			
	specifications.		i stacking the	Servicable	material with	an mis com	piele as per	
	S.R Item No 18.17 Page 139							
	For masonry	1	25			25.00		
					Say	25.00	499.40	12,485.00
	Basic rate	454.00				Cum		
	Add 10% for Malnad area works	<u>45.40</u>						
	Total	<u>499.40</u>	/Cum					
	Dismantling tiled roofing with battens, boa	arding ato compl	loto including	stacking of	conviceable	matorial and	disposal of	
2	unserviceable material within 50 metres le		iele including	Stacking of	Seiviceable	materiai anu	i uisposai oi	
	CPWD SR Item no. 15.31, Page no. 260							
		1	50.00		Say	50.00	150.00	7,500.00
						Sqm		
3	Dismantling steel work in single sections	s including disme	embering and	d stacking w	vithin 50 me	tres lead in	: Channels,	
0	angles, tees and flats				r	1		
	CPWD Delhi SR 2018 , Vol. 2 , SR Item no	o. 15.17.2, Page i				000.00	4 -	0.11
		1	200.00			200.00	1.7	340
						kg	├	
	Providing and fixing 20mm thick gang say	w cut Lacquered	granite for c	ladding in C	M 1.4 propo	tion with a c	oat of rough	
	0 0 0 0		0	0			Ŭ	
	plastering using CM1:4 cut to required sh	ape, pattern with	i paper joints	,finished wit	h cement me	ortar using w	hite cement	
4	and color pigments to match the color of	f slab making th	rough jointing	g with seala	nt,grooves ir	n joints inclu	ding cost of	
	curing etd.complete including cost and con	nveyance of all n	naterials,mor	tar,labor for	all items of v	vork, HOM e	tc.,complete	
	as per specification.	-						
	S.R. Item No. 14.60 Page 111						1	
	for compund wall	1	10		2	20		
	for steps	1	-		1.2	6		
		1	5		0.6			
	floor	1	20		1	20		
	floor	1	20		0.6	12		
						61		
		0.170.00			Say	<u>65</u>	3820.30	2,48,319.50
	Basic rate Add 10% for Malnad area works	3473.00 347.30				Sqm		
	Total	3820.30						
		3020.30	Sym					
	KSRB15-3.11 : Providing 20mm thick cerr	nent plaster in si	nale coat with	n cement mo	ortar 1:4. to s	stone mason	rv / concrete	
-	-		-				-	
5	surface including rounding off corners w	wherever require	ed smooth re	endering, :	Providing an	id removing	scattolding,	
	including cost of materials, labour, curing o	complete as per s	specifications	i.				
	S.R. Item No. 15.19 Page 116							
	for main wall	1	20.00		1.00			
	steps	1	5.00		1.00			
		1	5.00		1.20			
					Sou	31.00		10 511 00
	Basic rate	273.00			Say	<u>35.00</u> Sqm	300.30	10,511.00
	Add 10% for Malnad area works	273.00				Sqiii		
	Total	300.30						
	, ota	000.00	, 04					
	Providing and constructing laterite size sto	ne masonry inclu	uding cost an	d conveyanc	e of material	s curing etc	complete as	
6	per specification FOR SUPER STRUCTU	BE in C M 1.6	-	-		-		
	S.R. Item No. 42.5.3, Page no 384							
	Sector 2							
	Main wall	1	20.00	0.23	1.00	4.60		
	steps	1	5.00	1.20				
		1		0.90				
		1		0.60				
		1		0.30				
	masonry pillars	4	0.35	0.35	1.50			
	1					9.84		
								74 0 4 4 6 5
	Popio roto	E 4 40.00			Say	<u>12.00</u>	5992.80	71,914.00
	Basic rate	5448.00			Say	<u>12.00</u> Cum	5992.80	71,914.00
	Basic rate Add 10% for Malnad area works Total	5448.00 544.80 5992.80			Say		5992.80	71,914.00



								SMART CITY Paters
SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	KSRB 4-1.2 : Providing and laying in position	plain cemen	t concrete of	mix 1:4:8 w	ith OPC @ 1	220 kgs, with	40mm and	
_	down size graded granite metal course aggr	egates @ 0.	892 cum an	d fine aggreg	gates @ 0.4	65 cum mac	hine mixed,	
7	concrete laid in layers not exceeding 15 cms.	thick, well co	mpacted, in	foundation i	ncludina cos	st of all mater	ials. labour.	
	HOM curing complete as per specifications. Sp				J J		,,	
	S.R. Item No. 4.3 Page 13		10. IXDO 4.1,	1.2				
	for main wall	1	20	0.6	0.1	1.2		
	for steps	1			0.1	0.6		
	for Floor	1	20		0.1	1.2		
		· ·	20	0.0	0.1	3		
					Sav	4.00	6063.20	24,253.00
	Basic rate	5512.00			Cuy	Cum	0000.20	2 1,200100
	Add 10% for Malnad area works	551.20				0		
	Total	6063.20						
	1.000	0000.20						
	KSRB 5.2-3 : Providing and constructing gra	anite / trap /	basalt size	stone masor	ry in found	ation cement	mortar 1:6,	
8	stone hammerd dressed in courses not less th	an 20 cms h	iah hond sta	nes at 2m a	nart in each	course inclu	dina cost of	
0			ign, bond sit	nes al 2111. a	partineach	course inclu	ung cost of	
	materials, labour, curing complete as per spec	ifications.	1	1				
	KBS 5.1.13							
	S.R. Item No. 5.3 Page 25							
	for main wall	1			0.60	-		
	for steps	1	5.00	1.20	0.30			
					-	9.00		
			-		Say	10.00	4471.50	44,715.00
	Basic rate	4065.00				Cum		
	Add 10% for Malnad area works	406.50						
	Total	<u>4471.50</u>	/Cum					
	KCDD 0.0. Filling available even stad earth (a	voluding rook	) in aidea of	foundations	unto plinth in		vacading 00	
	KSRB 2.3- Filling available excavated earth (e	ixcluding fock	) In sides of	loundations	upto piintn ir	r layers not e	xceeding 20	
9	cms. In depth, compacting each deposited I	ayer by ram	ming after v	atering with	lead upto \$	50m and lift	upto 1.5 m	
	including east of all labour complete as not an	a life ationa	Presification					
	including cost of all labour complete as per sp	ecifications.	Specification	NO. KBS 2.9		1		
	S.R. Item No. 2.10 Page 7							
	for Dlinth	1.00	00	0.0	1.00	12.00		
	for Plinth	1.00	20	0.0		12.00	221.10	2 216 50
					Say	<u>15.00</u> Cum	221.10	3,316.50
	Basic rate	201.00				Cum		
	Add 10% for Malnad area works	201.00						
	Total	221.10						
	lota	221.10	Jouin					
	Fabrication supplying and erecting M.S tubula	ar trusses of	all spans as	s per approv	ed drawing :	and design n	refabricated	
	steel applications using quality material are d		-		-			
						-		
	to structural welding code. Quality shall be o	•		• • •		•		
10	trusses is anchored in RCC column by using			-			-	
	shoe plate. The work includes cutting, straighte		•				-	
	applying one coat of red oxide primer coat to			-		-		
	charges of machineries for cutting, welding, gr	inding and e	rection equi	pments, with	all lead an	d lift, transpo	ortation etc,.	
	complete as per the specification							
	S.R. Item No. 7.29, Page no. 43							
		1	15	2.50		37.5		-
					30.00	<u>1125</u>	122.10	1,37,362.50
					Kg/Sqm	Kgs		
	-		ļ					
	Basic rate	111.00						
	Add 10% for Malnad area works	<u>11.10</u>						
	Total	<u>122.10</u>	/Kgs					
	Providing and installing of approved make pre	e-painted Gal	valume iron	accessories,	like, plain,	ridges, plain	gutter, plain	
	flashing, corner trim, etc. The total coated thic	kness (TCT)	of the sheet	shall be 0.47	mm +/- 0.02	2 tolerance m	m Zinc- Alu	
11	alloy coating AZ 150 gsm as per ASTM 1397/	755-550 mpa	steel grade	5-7 microns	usina self a	drilling/self ta	pina screws	
	of 25 mm length (width upto 500-600 mm only) SR. Item no 38.31, Page no. 301			y purillis, l	unors, undill	illiois anu truss		
	on. item no 50.51, Faye no. 501	1	15	1.2		18		
			10	1.2	sav	20	726	14,520.00
	Basic rate	660			say		120	14,520.00
	Basic rate					Sqm		1
	Add 10% for Malnad area works	<u>66.00</u> 726.00						
	Total	<u>726.00</u>	/Sqm					1
	KCDD 9.6 · Drouiding and finites as well as f			oin dour'	on of or an	od make	brond!!	
10	KSRB 8.6 : Providing and fixing on wall surface	• •						
12	necessary specials like shoes, bends and offs	sets fixed wit	n iron clamp	s, wall plugs	, screws, inc	cluding cost o	ot materials,	
	labour, curing complete as per specifications.							
	KSRB 8.6-5- 4.0 Kg/ sq.cm H.D.P.E. rain dowr	n water pipes	110 mm out	er dia				



SI.No.	Departmention of work	No		В	D	Quantity	Poto	Amount
51.INO.	Description of work SR Item no. 8.19, Page no 49	NO	<b></b>	D		Quantity	Rate	Amount
		6	5			30		
-			Ű		Say	30	564.30	16,929.00
-	Basic rate	513			ouy	m	001.00	10,020.00
	Add 10% for Malnad area works	51.30						
-	Total	564.30	•					
-		001.00						
			1 1					
	Structural Steel Coatings		11			11		
	Cleaning the existing steel surface by mechan	ical means si	uch as sand bl	lasting so a	s to remove	e all the existin	g loose rust	
	etc.Using cotton waste swab apply rust conve							
13	alkaline, inorganic single component, rust cor							
15	free/loose rust particles by simple dusting wit							
	solvent free, substituted long chain nylon retion					-		
	protective two component, APR based, UV re-	sistant antico	rrosive coating	g. Apply the	coats by b	rush or spray a	at 4-6 hours	
	interval between each coat. S.R Item No 38.73 Page 321		<u> </u>					
	for Roof							
		1	15	2.50		37.50		
	for gutter	1		1.20		18.00		
		1	13	1.20		55.50		
-			1 1		say	60	363	21,780.00
-	Basic rate	330.00			Say	sqm	000	21,700.00
	Add 10% for Malnad area works	33.00						
	Total	363.00						
		000.00	, eq					
	KSRB 15-18.2: Providing and applying enam	el metal pair	nt two coats (e	excludina p	riming coat	t) over new ste	eel or other	
14	metal surface brushing to give an even shad	•	•	• ·	•	,		
17	• •		ng on, grease	, unt anu u	liner toreigi		ung cost of	
	materials, labour, complete as per specification SR Item no 15.74, Page No 123	ons.	1 1		1	1		
	for Roof	1	15	2		30		
		1		1.2		18		
	for gutter	1	15	1.2		48.00		
					Say	40.00 50.00	104.50	5,225.00
					Jay	Sqm	104.30	5,225.00
	Basic rate	95.00				John		
	Add 10% for Malnad area works	9.50						
-	Total	104.50						
		101100	, eq					
	Laying charges of Mangalore Single groove til	e/ ceiling tile/	skylight tile ov	er the exist	ting roof tru	ss including co	ost of labour	
15	as per specifications.	-			-	-		
	Rate analysis	1	1					
	Roof Tile area							
	Mangalore tile	1	15	2		30		
	Ceiling tile	1		2		30		
		-				60		
					Say	62.00	296.00	18,352.00
					,	Sqm		,
	Providing and finishing external walls in two	coats over o	one coat of 10	0% acrylic	silicon gla	zed primer wit	h antifungal	
	paint for top coat of approved brand and shad	le to give an e	even shade aft	er thorough	ly brooming	g the surface to	o remove all	
16	dirt and loose powdered material, free from n	-		-	-	-		
	per specifications.			5		,, -		
	SR Item No 15.104 Page No127		Г					
	For Single groove tile							
-		2	15	2		60.00		
					Ì	60.00	198.00	11,880.00
		1	1 1			Sqm		•
	Basic rate	180.00						
	Add 10% for Malnad area works	18.00						
	Total	198.00	/Sqm					
	Providing and finishing external walls in two	coats over c	one coat of 10	0% acrylic	silicon gla	zed primer wit	h antifungal	
17	paint for top coat of approved brand and shad	le to give an e	even shade aft	er thorough	ly brooming	g the surface to	o remove all	
17	dirt and loose powdered material, free from n	nortar drops a	and other forei	ign matter o	cost of mate	erials, labour, o	complete as	
	per specifications.							
	SR Item No 15.104 Page No127							
	Ceiling Tile							
		2	15	2		60.00		
					Say	<u>60.00</u>	198.00	11,880.00
						Sqm		
	Basic rate	180.00			ļ			
ļ	Add 10% for Malnad area works	<u>18.00</u>						
	Total	<u>198.00</u>	/Sqm					

PROPOSED "RETROFITTING/REDEVELOPMENT OF CAR STREET AND AREAS OF SRI VENKATRAMANA TEMPLE AS RELIGIOUS ZONE"



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
••••••	Applying red lead ready mix priming coat over							
18	thoroughly cleaning oil, grease, dirt and other f	oroian matta	r and coour	od with wiro	bruchoc fino		and papers	
10		0			brusries, inte	Sleer WOOI, S	sanu papers	
	including cost of materials, labour, complete as	per specific	ations.	I	1			
	SR Item No 15.73, Page No123							
	For CI Support Poles	6	1 57			0.40		
		6	1.57		Sav	9.42 10.00	45.10	451.00
					Say	Sqm	43.10	431.00
	Basic rate	41.00				oqiii		
	Add 10% for Malnad area works	4.10						
	Total		/Sqm					
	KSRB 15-18.2: Providing and applying ename	el metal pain	it two coats	(excluding p	riming coat)	over new ste	eel or other	
19	metal surface brushing to give an even shade	after cleani	ng oil, greas	e, dirt and c	other foreign	matter, inclu	ding cost of	
	materials, labour, complete as per specificatior	ne						
	SR Item no 15.74, Page No 123				1			
	Painting of CI Support Poles							
		6	1.57			9.42		
					Say	<u>10.00</u>	104.50	1,045.00
						Sqm		
	Basic rate	95.00						
	Add 10% for Malnad area works	<u>9.50</u>						
	Total	<u>104.50</u>	/Sqm					
					L.,			
20	Fixing old /new eve board with necessary scre	ews and app	proved painting	ng two coats	s. including c	ost of mater	ials, labour,	
	HOM complete as per specifications.	1		1	1			
	S.R Item No 37.14 Page 267							
	Eaves board	1	15			15.00		
		1	15			15.00	28.60	429.00
						m	20.00	423.00
	Basic rate	26.00						
	Add 10% for Malnad area works	2.60						
	Total	28.60						
	Applying red lead ready mix priming coat over	new steel of	or other me	tal surface ir	ncluding prep	paring the s	urface after	
21	thoroughly cleaning oil, grease, dirt and other f	oreign matte	r and scoure	ed with wire	hrushes fine	steel wool	and papers	
21		-			brushes, inte		sand papers	
	including cost of materials, labour, complete as SR Item No 15.73, Page No123	s per specific	ations.					
	Eave board							
	Eave board	2	15	0.2		6.00		
		2	15	0.2	Say	8.00	45.10	360.80
					Ody	Sqm	40.10	000.00
	Basic rate	41.00						
	Add 10% for Malnad area works	4.10						
	Total	45.10	/Sqm					
22	Fixing charges for installation of CI Poles fou	undation bolt	s abd base	plate/ templ	ate on site a	as per the dr	awings and	
22	instructions of Architect of PMC and Incharge E	Executive Eng	gineer, MSCL	_				
	Rate Analysis							
	At road side	6				6.00		
						6.00	58.00	348.00
						Nos.	00.00	0.000
	KSRB 4-1.2 : Providing and laying in position	olain cement	t concrete of	mix 1:3:6 w	/ith OPC @ 2	220 kas. with	40mm and	
	down size graded granite metal course aggre				-	•		
23		•			-			
	concrete laid in layers not exceeding 15 cms. t	hick, well co	mpacted, in	foundation i	including cos	t of all mater	ials, labour,	
	HOM curing complete as per specifications. Sp	ecification N	lo. KBS 4.1, 4	4.2				
	S.R. Item No. 4.2 Page 13	-						
	for CI poles	6	0.45	0.45		0.12	0175.10	1 005 00
	Decie voto	EC14.00			Say	<u>0.20</u>	6175.40	1,235.00
	Basic rate	5614.00 561.40				Cum		
	Add 10% for Malnad area works	<u>6175.40</u>				-		
	Total	0173.40	/Guill					
	KSRB 4-1.2 : Providing and laying in position	reinforced c	ement concr	ete of desig	n mix M20 w	ith OPC cen	nent @ 320	
							-	
	kgs, with 20mm and down size graded granite							
24	with super plasticiser @ 3 Ltrs confirming to I						-	
	exceeding 15 cms. thick, vibrated for beams,			-	-			
	level for roof slabs, staircase, lintels, columns	including cos	st of all mate	rials, labour	, HOM of ma	chinery, curir	ng complete	
	as per specifications. Specification No. KBS 4.	1, 4.6	1	-	r			
	S.R. Item No. 4.11 Page 14	1	l i	1	1			



SI.No.	Description of work	No		В	D	Quantity	Rate	Amount
51.140.	for CI poles	6	0.30	0.30	_	0.81	nate	Amount
			0.00	0.00	Say	1.00	6642.90	6,643.00
					ouy	Cum	0012.00	0,010.00
	Basic rate	6039.00				Odini		
	Add 10% for Malnad area works	603.90			1			
					ł		-	
	Total	<u>6642.90</u>	/Cum					
	KCDD 4.0.0 · Droviding TMT steel reinforceme		uark includin	a atraiabtani	na outting b	anding heal	ting planing	
	KSRB 4.9.2 : Providing TMT steel reinforceme	nt for R.C.C	work includin	g straighteni	ng, cutting, c	enaing, noor	king, placing	
	in position, lapping and / or welding wherever	required, tyi	ng with bindi	ng wire and	anchoring to	the adjoinir	ng members	
25	wherever necessary complete as per design	) (lane hor	ke and was	tago shall n	not he meas	ured and na	uid) cost of	
	, , , , ,			•		•		
	materials, labour, HOM of machinery complete	as per spec	ifications. Sp	pecification N	lo. KBS 4.6.3	3		
	TMT Bars Fe 500							
	S.R. Item No. 4.46.2 Page 18							
			1.00	Х	80.00	80.00		
					Say	<u>100.00</u>	Kgs	
					Or	<u>0.10</u>	77860.20	7,786.00
						Tonne		
	Basic rate	70782.00						
	Add 10% for Malnad area works	7078.20						
	Total	77860.20						
	KSRB 4-6.1 : Providing and removing cent	tering shutte	erina struttir	a proppina	etc and re	moval of for	rm work for	
26	foundations, footings, bases of columns for	mass concr	ete including	g cost of all	l materials,	labour comp	olete as per	
	specifications. Specification No. KBS 4.6.2							
	S.R. Item No. 4.28 Page 16							
	For Foundations							
		6	1.2		1.5	10.80		
					Say	12.00	289.30	3,471.60
						Sqm		•,•
-	Basic rate	263.00			1			
	Add 10% for Malnad area works	26.30						
	Total	289.30						
	i otai	209.30	/Sqiii		ł		-	
	KSRB 2-2 : Earthwork excavation by Manual	maana far f	undation of	huildingo u	Leter eventu	and conitor	u lines and	
27	electrical conduits either in pits or in trenches dressing the bottom and sides of pits and tren upto 50 m. including breaking of clods complet	nches, stacki	ng the excav	ated soil clea	ar from edge	s of excavati	-	
	For Compound wall			0.00	0.00	7.00		
	for Main wall	1	20.00	0.60		7.20		
	for steps		5.00	1.20	0.30	1.80		
	for CI poles	6	0.45	0.45	0.50	0.61		
						9.61		
			-		Say	<u>10.00</u>		
a)	In Ordinary Soil 100%							
	S.R. Item No. 2.3 Page 6		10.00	х	1	10.00	328.9	3,289.00
						Cum		
	Basic rate	299.00						
	Add 10% for Malnad area works	29.90						
	Total	328.90	/Cum					
	Providing and finishing external wall in two coa	ats over one	coat of 100%	acrylic silic	on glazed pri	mer with ant	ifungal paint	
	for top coat of approved brand and shade to gi	ive and even	shade after t	horoughly b	rooming the	surface to re	move all the	
28	dirt and loose powered material,free from mo			• •	0			
┝───	specification. S.R. Item No. 15.104 Page 127		1		1			
	5	1	15.00		7.00	105.00		
-	External wall :front	1	15.00		7.00	105.00	100.00	01 700 00
					Say	<u>110.00</u>	198.00	21,780.00
		100.00	-		-	Sqm		
-	Basic rate	180.00						
	Add 10% for Malnad area works	<u>18.00</u>						
	Total	<u>198.00</u>	/Sqm					
29	KSRB 15-18.2: Providing and applying ename metal surface brushing to give an even shade				• ,			
	materials. labour. complete as per specificatio		ing on, greas	o, ont and u			ang cost of	
	SR Item no 15.74, Page No 123	0.00	0.00		1 50	2.70		
	window	2.00			1.50			
	collapsible gate	1.75	2		2.15	7.53 10.23		
<u> </u>					Sov		104 50	1 140 50
<u> </u>					Say	<u>11.00</u>	104.50	1,149.50
	Rasio rato		05.00			Sqm		
L	Basic rate	1	95.00		1	1		



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	Add 10% for Malnad area works		9.50					
	Total		<u>104.50</u>	/Sqm				
30	Dismantling stone slab flooring laid in cem	nent mortar	including st	acking of se	erviceable m	aterial and	disposal of	
	unserviceable material within 50 metres lead.	OF Daga na	000		1			
	CPWD Delhi SR 2018, Vol. 2, SR Item no. 15 Demolition / Removing of Granite slabs	.25, Page no	. 200					
	Demonition / Hernowing of Granite stabs	1	5	2		10	190.3	1903
						sqm	10010	
						1		
	KSRB 4-1.5 : Providing and laying in position p	lain cement o	concrete of N	lix M20 with	OPC@ 300k	gs, with 20m	m and down	
	size graded granite metal coarse aggregates	@0.69cum	and fine ag	gregtes @	0.43cum, ma	achine mixe	d, concrete	
31	laid in layers not exceeding 15 ems. thick	k. well com	pacted. in f	oundation. c	linth and cil	ls. includina	cost of all	
	materials, labour, HOM curing complete as per							
	S.R. Item No. 4.5 Page 13	specification			, 4.1, 4.2			
	concrete band over Roof tile	5	2	0.05	0.075	0.0375		
					say	1	6251.30	6251.3
						cum		
	Basic rate	5683						
	Add 10% for Malnad area works	568.30						
	Total	<u>6251.30</u>	/Sqm					
-		I						
	KSRB15-3.11 : Providing 20mm thick cement	plaster in sir	ngle coat with	n cement mo	ortar 1:4, to s	stone masoni	ry / concrete	
32	surface including rounding off corners wher	ever require	ed smooth r	endering, :	Providing an	d removing	scaffolding,	
	including cost of materials, labour, curing com	olete as per s	specifications	3.				
	S.R. Item No. 15.19 Page 116							
	for concrete band	5	2.00		0.20	2.00		
					Say	2.50	300.30	751.00
	Basic rate	273.00				Sqm		
	Add 10% for Malnad area works	<u>27.30</u>						
	Total	<u>300.30</u>	/Sqm					
	KODD4.4.0.1 · Dravidian and sometime				-	an avail of fai	and the second second	
	KSRB4-4-6.1 : Providing and removing center foundations, footings, base of columns for r							
33	specifications.		ste meruanig		materiais,	abour comp	lete as per	
	Specification No. KBS 4.6.2							
	S.R Item No 4.28 Page No. 16							
	for Roof Band	10.00	2	0.075		1.5		
					Say	2	289.30	578.60
		000.00				Sqm		
	Basic rate Add 10% for Malnad area works	263.00 26.30						
	Total	289.30						
-		203.30	/oqiii					
	Erection and testing of Cast Iron Pole - 2.7 m t	tall onto the	Foundation a	s per specifi	cation and ir	structions of	Architect of	
34	PMC/ Executive Engineer, MSCL							
	for CI poles	6	1			6	2788.00	16,728.00
						Nos.		
		Sub Tota	al					7,35,483.00
Non SoR	Items - Approved Rates							
	Supplying, Erection and testing of 2.7m (mining)	mum)height	decorative c	ast iron pole	with CI em	bellishment o	duly welded.	
1	The bottom CI portion should have round mou	nting base of	f not more th	an 250mm d	ia. The top p	ortion should	not be less	
	than 90mm dia. Foundation bolts and Templ	lates include	ed. The wor	k shall be c	arried out as	s per the ins	structions of	
	Architect of the PMC and incharge Executive E	ngineer of M	SCL. (Approv	ved Rate)				
	Č Č			,				
	Building frontage	6				6.00		
						<u>6.00</u>	29700.00	1,78,200.00
						Nos.		
	Quality of March 1911 - O' - 1	10" 0"	L				detter (*	
2	Supplying of Mangalore tiles- Single groove including fixing charges curing complete pe							
2	(Approved Rate)	a matruction	IS OF AIGHILE				arge WOUL.	
	Building Frontage	1	15	2		30		
<u> </u>					Say	30	362.00	10,860.00
	1	1	1	1	Ĺ	Sqm		.,
	Rate per Sqm	362.00	/Sqm			· ·		
	Supplying of Mangalore tiles - Ceiling tiles of	size 12.75" >	x 9.25 " point	ed with 1:4 c	ement morta	r over the e	xisting rafter	
3	including fixing charges curing complete as	per instructi	ons of Archi	tect of PMC	and EE en	gineer in ch	arge MSCL	
	(Approved Rate)							
	Building Frontage	1	15	2		30		



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
					Say	30	377.00	11,310.00
						Sqm		
	Rate per Sqm	<u>377.00</u>	/Sqm					
4	Supplying of Wood Polymer Composite Hybrid mm height as eaves board as per the approved The scope of work shall include the supply of n complete as per the specification and require Executive Engineer of MSCL. (Approved Rate)	l design usin naterial, cutti ments as pe	g CNC cuttin ng the board	g machine. in CNC mac	chine , neces	sary labour, a	ccessories	
	Building Frontage	1	15	0.0		0.00		
	Dunung Frontage		15	0.2		3.00		
	Building Frontage		13	0.2		3.00 <u>3</u>	4925.00	14,775.00
			13	0.2			4925.00	14,775.00

Assistant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru



SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
<u></u>	KSRRB M300-14: Excavation for road work in	-	soil by mech					
1	trimming bottom and side slopes in accordance	e with requir	ements of lin	as aradas a	und cross ser	tion and transpo	ortation with	
							intation with	
	a lead of 1.00KM and complete as per specific	cations. Morth	Specificatio	n No.301				
	S.R. Item No. 19.14 Page 143		50.00			50.4		
	Temple side	1	59.00	3.00	0.30	53.1		
	nandini mlk prlr	1	18.00	5.10	0.30	27.5		
	For Kerb stone	1	110.00	0.40	0.30	13.2		
					Sau	93.84	45.10	4,420.0
	Denia reta	41.00			Say	<u>98.00</u>	45.10	4,420.0
	Basic rate					Cum		
	Add 10% for Malnad area works	4.10						
	Total	<u>45.10</u>		- <i>f f</i>			un a a dia a . 00	
•	KSRB 2.3 : Filling available excavated earth (	•	,				•	
2	cms. in depth, compacting each deposited		ming after w	atering with	lead upto s	50 m. and lift u	upto 1.5 m.	
	including cost of all labour complete as per sp	ecifications.						
	SR Item no. 2.10, Page no. 7							
	Temple side	1	59.00	3.00	0.20	35.40		
	nandini mlk prlr	1	18.00	5.10	0.20	18.36		
	For Kerb stone	1	110.00	0.30	0.30	9.90		
						63.66		
						<u>66.00</u>	221.10	14,592.6
		ļ				cum		
	Basic rate	201.00						
	Add 10% for Malnad area works	<u>20.10</u>						
	Total	221.10						
	KSRB 14.6-2 : Providing and laying heavy du	ty cobble sto	nes 75mm th	ick interlock	a pavers, usir	ng cement and c	ourse sand	
			complete as	per specific	ations.			
	Specification No.KBS		complete as	per specific	ations.			
	S.R. Item No. 14.7 Page 103		· · · · · · · · · · · · · · · · · · ·		ations.	177.00		
	S.R. Item No. 14.7 Page 103 Temple side	1	59.00	3.00	ations.	177.00		
	S.R. Item No. 14.7 Page 103		· · · · · · · · · · · · · · · · · · ·		ations.	91.80		
	S.R. Item No. 14.7 Page 103 Temple side	1	59.00	3.00		91.80 268.80	1225 40	3 30 858 0
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour	1	59.00	3.00	ations.	91.80 268.80 <u>270.00</u>	1225.40	3,30,858.0
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate	1 1 1114.00	59.00	3.00		91.80 268.80	1225.40	3,30,858.C
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works	1 1 1114.00 <u>111.40</u>	59.00 18.00	3.00		91.80 268.80 <u>270.00</u>	1225.40	3,30,858.0
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total	11114.00 11114.00 1225.40	59.00 18.00 /Sqm	3.00 5.10	Say	91.80 268.80 <u>270.00</u> Sqm		3,30,858.0
4	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works	1 1114.00 <u>111.40</u> <u>1225.40</u> e 50mm to 7	59.00 18.00 /Sqm '5mm thick a	3.00 5.10	Say emix carpet/	91.80 268.80 <u>270.00</u> Sqm surface dressing	by manual	3,30,858.0
4	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta	1 1114.00 <u>111.40</u> <u>1225.40</u> e 50mm to 7	59.00 18.00 /Sqm '5mm thick a	3.00 5.10	Say emix carpet/	91.80 268.80 <u>270.00</u> Sqm surface dressing	by manual	3,30,858.0
4	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3	1 1114.00 <u>111.40</u> <u>1225.40</u> e 50mm to 7	59.00 18.00 /Sqm '5mm thick a	3.00 5.10	Say emix carpet/	91.80 268.80 <u>270.00</u> Sqm surface dressing	by manual	3,30,858.0
4	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146	1 1114.00 111.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.4	59.00 18.00 /Sqm '5mm thick a debris mate	3.00 5.10 long with pr erials includ	Say emix carpet/	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour char	by manual	3,30,858.0
4	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side	1114.00 1114.00 111.40 1225.40 1225.40 te 50mm to 7 cking of the	59.00 18.00 /Sqm '5mm thick a debris mate 59.00	3.00 5.10 long with pr prials incluc 3.00	Say emix carpet/	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour chars 177.00	by manual	3,30,858.0
4	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146	1 1114.00 111.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.40 125.4	59.00 18.00 /Sqm '5mm thick a debris mate 59.00	3.00 5.10 long with pr erials includ	Say emix carpet/	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour char 177.00 91.80	by manual	3,30,858.0
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	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as	1 1114.00 1114.00 1114.00 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225	59.00 18.00 /Sqm '5mm thick a debris mate 59.00 18.00 18.00 /Sqm t concrete of 0.892 cum mpacted, in	3.00 5.10 Iong with pr erials includ 3.00 5.10 f mix M10 wi and fine ag foundation a	Say emix carpet/s ting cost of Say th OPC cem gragates @ and plinth, ind	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour char 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac	by manual ges as per 99.00 with 40mm hine mixed,	
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	59.00 18.00 /Sqm '5mm thick a debris mate 59.00 18.00 18.00 0.892 cum mpacted, in ations. Speci	3.00 5.10 long with pr erials includ 3.00 5.10 mix M10 wi and fine ag foundation a fication No. I	Say emix carpet/s ting cost of Say say sth OPC cem gragates @ and plinth, inc (BS 4.1, 4.2	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour chars 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a	by manual ges as per 99.00 with 40mm hine mixed,	
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For kerb stone -temple side	1 1114.00 1114.00 111.40 1225.40 ie 50mm to 7 cking of the 1 1 90.00 90.00 90.00 90.00 90.00 90.00 1 chick, well cc s per specific: 1	59.00 18.00 18.00 5mm thick a debris mate 59.00 18.00 18.00 0.892 cum mpacted, in ations. Speci 75.00	3.00 5.10 Iong with pr erials incluc 3.00 5.10 mix M10 wi and fine ag foundation a fication No. I 0.40	Say emix carpet// ding cost of Say ith OPC cem gragates @ and plinth, ind {BS 4.1, 4.2 0.10	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour chars 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a 3.00	by manual ges as per 99.00 with 40mm hine mixed,	
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	59.00 18.00 /Sqm '5mm thick a debris mate 59.00 18.00 18.00 0.892 cum mpacted, in ations. Speci	3.00 5.10 long with pr erials includ 3.00 5.10 mix M10 wi and fine ag foundation a fication No. I	Say emix carpet/s ting cost of Say say sth OPC cem gragates @ and plinth, inc (BS 4.1, 4.2	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour char 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a <u>3.00</u> 1.40	by manual ges as per 99.00 with 40mm hine mixed,	
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For kerb stone -temple side	1 1114.00 1114.00 111.40 1225.40 ie 50mm to 7 cking of the 1 1 90.00 90.00 90.00 90.00 90.00 90.00 1 chick, well cc s per specific: 1	59.00 18.00 18.00 5mm thick a debris mate 59.00 18.00 18.00 0.892 cum mpacted, in ations. Speci 75.00	3.00 5.10 Iong with pr erials incluc 3.00 5.10 mix M10 wi and fine ag foundation a fication No. I 0.40	Say emix carpet/ ling cost of Say th OPC cem gragates @ and plinth, inc (BS 4.1, 4.2 0.10 0.10	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour chars 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a <u>3.00</u> 1.40 4.40	by manual ges as per 99.00 with 40mm hine mixed, Il materials,	26,730.0
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For kerb stone -temple side For Kerb stone -Nandini Mlk prlr and road	1 1114.00 1114.00 111.40 1225.40 te 50mm to 7 cking of the 1 1 90.00 90.00 99.00 99.00 plain cemen aggregates @ thick, well cc s per specific: 1 1 1	59.00 18.00 /Sqm '5mm thick a debris mate 59.00 18.00 18.00 (Sqm t concrete of 0 0.892 cum mpacted, in ations. Speci 75.00 35.00	3.00 5.10 Iong with pr erials incluc 3.00 5.10 mix M10 wi and fine ag foundation a fication No. I 0.40	Say emix carpet// ding cost of Say ith OPC cem gragates @ and plinth, ind {BS 4.1, 4.2 0.10	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour char 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a <u>3.00</u> 1.40 4.40 4.50	by manual ges as per 99.00 with 40mm hine mixed,	26,730.0
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. Iabour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For kerb stone -temple side For Kerb stone -temple side For Kerb stone -Nandini Mlk prlr and road Basic rate	1 1114.00 1114.00 1114.00 1225.40 te 50mm to 7 cking of the 1 1 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00 90.00	59.00 18.00 /Sqm '5mm thick a debris mate 59.00 18.00 18.00 (Sqm t concrete of 0 0.892 cum mpacted, in ations. Speci 75.00 35.00	3.00 5.10 Iong with pr erials incluc 3.00 5.10 mix M10 wi and fine ag foundation a fication No. I 0.40	Say emix carpet/ ling cost of Say th OPC cem gragates @ and plinth, inc (BS 4.1, 4.2 0.10 0.10	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour chars 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a <u>3.00</u> 1.40 4.40	by manual ges as per 99.00 with 40mm hine mixed, Il materials,	
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For kerb stone -temple side For Kerb stone -temple side For Kerb stone -Nandini Mlk prlr and road Basic rate Add 10% for Malnad area works	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	59.00 18.00 18.00 /Sqm 5mm thick a debris mate 59.00 18.00 18.00 0.892 cum ompacted, in ations. Speci 75.00 35.00	3.00 5.10 Iong with pr erials incluc 3.00 5.10 mix M10 wi and fine ag foundation a fication No. I 0.40	Say emix carpet/ ling cost of Say th OPC cem gragates @ and plinth, inc (BS 4.1, 4.2 0.10 0.10	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour char 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a <u>3.00</u> 1.40 4.40 4.50	by manual ges as per 99.00 with 40mm hine mixed, Il materials,	26,730.0
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For kerb stone -temple side For Kerb stone -temple side For Kerb stone -temple side For Kerb stone -Nandini Mlk prlr and road Basic rate Add 10% for Malnad area works Total	1 1114.00 1114.00 1114.00 1225.40 te 50mm to 7 cking of the 1 1 90.00 99.00 99.00 99.00 plain cemen aggregates @ thick, well cc s per specifica 1 1 5614.00 <u>5614.00</u> <u>5614.00</u>	59.00 18.00 18.00 /Sqm '5mm thick a debris mate 59.00 18.00 18.00 0.892 cum ompacted, in ations. Speci 75.00 35.00 (35.00) (Cum	3.00 5.10 long with pr erials includ 3.00 5.10 mix M10 wi and fine ag foundation a fication No. I 0.40 0.40	Say emix carpet/s ting cost of Say say cth OPC cem gragates @ and plinth, inc (BS 4.1, 4.2 0.10 0.10 0.10	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour chars 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a 3.00 1.40 4.40 Cum	by manual ges as per 99.00 with 40mm hine mixed, Il materials, 6175.40	26,730.0
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For kerb stone -temple side For Kerb stone -temple side For Kerb stone -Nandini Mlk prlr and road Basic rate Add 10% for Malnad area works Total Providing and fixing Pre cast solid cement course	1 1114.00 111140 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1225.40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	59.00 18.00 18.00 /Sqm 5mm thick a debris mate 59.00 18.00 18.00 0.892 cum ompacted, in ations. Speci 75.00 35.00 (Cum tones made	3.00 5.10 Iong with pr erials incluc 3.00 5.10 mix M10 wi and fine ag foundation a fication No. I 0.40 0.40	Say emix carpet// ding cost of Say ith OPC cem gragates @ and plinth, ind (ABS 4.1, 4.2 0.10 0.10 0.10	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour chars 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a 3.00 1.40 4.40 <u>4.50</u> Cum b and bottom wice	by manual ges as per 99.00 with 40mm hine mixed, Il materials, 6175.40	26,730.0
	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. Iabour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For Kerb stone -temple side For Kerb stone -temple side For Kerb stone -temple side For Kerb stone -temple side For Kerb stone -temple side Providing and fixing Pre cast solid cement con 165 mm respectively, 400 mm high and 450	1 1114.00 1114.00 111.40 1225.40 e 50mm to 7 cking of the 1 1 90.00 90.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 1 1 1 1 1 1 1 1 1 1 1 1 1	59.00 18.00 18.00 /Sqm 5mm thick a debris mate 59.00 18.00 18.00 18.00 0.892 cum ompacted, in ations. Specio 75.00 35.00 35.00	3.00 5.10 5.10 Iong with pr prials incluce 3.00 5.10 5.10 5.10 5.10 5.10 0.40 0.40 0.40 0.40 0.40	Say emix carpet/ ding cost of Say th OPC cem gragates @ and plinth, inc (BS 4.1, 4.2) 0.10 0.10 0.10 0.10	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour char 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a 3.00 1.40 4.40 <u>4.50</u> Cum b and bottom wid d finishing cuttin	by manual ges as per 99.00 with 40mm hine mixed, Il materials, 6175.40 ch175.40	26,730.0
5	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. labour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For kerb stone -temple side For Kerb stone -temple side For Kerb stone -Nandini Mlk prlr and road Basic rate Add 10% for Malnad area works Total Providing and fixing Pre cast solid cement con 165 mm respectively, 400 mm high and 450 formwork, curing, including cost of all mate	1 1114.00 1114.00 111.40 1225.40 e 50mm to 7 cking of the 1 1 90.00 90.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 1 1 1 1 1 1 1 1 1 1 1 1 1	59.00 18.00 18.00 /Sqm 5mm thick a debris mate 59.00 18.00 18.00 18.00 0.892 cum ompacted, in ations. Specio 75.00 35.00 35.00	3.00 5.10 5.10 Iong with pr prials incluce 3.00 5.10 5.10 5.10 5.10 5.10 0.40 0.40 0.40 0.40 0.40	Say emix carpet/ ding cost of Say th OPC cem gragates @ and plinth, inc (BS 4.1, 4.2) 0.10 0.10 0.10 0.10 1:2:4 with top lastering and	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour char 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a 3.00 1.40 4.40 <u>4.50</u> Cum b and bottom wid d finishing cuttin	by manual ges as per 99.00 with 40mm hine mixed, Il materials, 6175.40 ch175.40	26,730.0
5	S.R. Item No. 14.7 Page 103 Temple side nandini milk parlour Basic rate Add 10% for Malnad area works Total KSRRB M300-49:Scarifying bituminous cours means without disturbing the base and sta specifications.MORTH/Chapter 3 S.R Item No 19.55 Page 146 Temple side nandini mp Basic rate Add 10% for Malnad area works Total KSRB 4-1.2 : Providing and laying in position and down size graded granite metal course a concrete laid in layers not exceeding 15 cms. Iabour, HOM of machinery, curing complete as S.R. Item No. 4.2 Page 13 For Kerb stone -temple side For Kerb stone -temple side For Kerb stone -temple side For Kerb stone -temple side For Kerb stone -temple side Providing and fixing Pre cast solid cement con 165 mm respectively, 400 mm high and 450	1 1114.00 1114.00 111.40 1225.40 e 50mm to 7 cking of the 1 1 90.00 90.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 99.00 1 1 1 1 1 1 1 1 1 1 1 1 1	59.00 18.00 18.00 /Sqm 5mm thick a debris mate 59.00 18.00 18.00 18.00 0.892 cum ompacted, in ations. Specio 75.00 35.00 (Cum tones made tones made wit	3.00 5.10 5.10 Iong with pr prials incluce 3.00 5.10 5.10 5.10 5.10 5.10 0.40 0.40 0.40 0.40 0.40	Say emix carpet/ ding cost of Say th OPC cem gragates @ and plinth, inc (BS 4.1, 4.2) 0.10 0.10 0.10 0.10 1:2:4 with top lastering and	91.80 268.80 <u>270.00</u> Sqm surface dressing all labour char 177.00 91.80 268.80 <u>270.00</u> Sqm ent @ 220 kgs, 0.465 cum mac cluding cost of a 3.00 1.40 4.40 <u>4.50</u> Cum b and bottom wid d finishing cuttin	by manual ges as per 99.00 with 40mm hine mixed, Il materials, 6175.40 ch175.40	26,730.0

# PROPOSED "RETROFITTING/REDEVELOPMENT OF CAR STREET AND AREAS OF SRI VENKATRAMANA TEMPLE AS RELIGIOUS ZONE"



								SMART CITY 0
SI.No.	Description of work	No	L	В	D	Quantity	Rate	Amount
	Kerb stone -Nandini Mlk prlr	80				80		
						255.00		
					Say	<u>260.00</u>	463.10	1,20,406.00
	Basic rate	421.00				/Nos		
	Add 10% for Malnad area works	<u>42.10</u>						
	Total	<u>463.10</u>	/Nos					
					<b>CIII</b> : 11			
	KSRRB M800-6, Painting two coats on new co	oncrete surfac	e:Painting tw	o coats atte	r filling the su	urface with synth	netic enamel	
7								
	paint and all shades on new plastered concre	te surfaces co	omplete as p	er specificati	on: MORTH	specification No.	.803	
	S.R. Item No.24.7. Page 181							
	Kerb wall	1	260.00	0.45		117		
	<b>B</b> 1 .				Say	<u>120.00</u>	90.20	10,824.00
	Basic rate	82.00				/Sqm		
	Add 10% for Malnad area works	8.20						
	Total	<u>90.20</u>						
	Construction of Granular sub base grading -	V as sub bas	se and draina	age layer by	providing co	barse graded cru	ushed stone	
	aggregates of granite/trap/basalt material, n	nixing in a m	echanical mi	x plant at C	MC,carriage	of mixed mate	rial to work	
8	site,spreading in uniform layers with mortar g	ader or prepa	ured surface :	and compact	ing with vibra	atory power rolle	r to achieve	
					•	atory power rolle		
	the 98% proctor density, complete as per the	specification	clause 401 o	f MORTH V	Revision.			
	S.R. Item no. 20.4, Page no. 153							
	Temple side	1	59.00	3.00	0.25	44.25		
	nandini mp	1	18.00	5.10	0.25	22.95		
						67.20		
					Say	<u>70</u>	2382.60	1,66,782.00
						Cum		
	Basic rate	2166.00						
	Add 10% for Malnad area works	216.60						
		<u>216.60</u> 2382.60	/Cum	ent concrete	designer til	es 25 mm thick	for flooring	
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white	216.60 2382.60 ecast , pre proving, treads ecement, incl	/Cum olished ceme of steps and uding cost of	landing, laid materials, n	on a bed of	12 mm thick ce	ment mortar	
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using whit to half/full round wherever required, labour, cu	216.60 2382.60 ecast , pre proving, treads ecement, incl	/Cum olished ceme of steps and uding cost of	landing, laid materials, n	on a bed of	12 mm thick ce	ment mortar	
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, cu SR Item no. 14.62, Page no. 112	216.60 2382.60 ecast , pre pro oring, treads e cement, incl uring complete	/Cum olished ceme of steps and uding cost of as per spec	landing, laid materials, n ification.	on a bed of	12 mm thick cei	ment mortar ng the edge	2 17 008 00
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using whit to half/full round wherever required, labour, cu	216.60 2382.60 ecast , pre proving, treads ecement, incl	/Cum olished ceme of steps and uding cost of as per spec	landing, laid materials, n	on a bed of	12 mm thick ce ing cutting, gridi <u>160</u>	ment mortar	2,17,008.00
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, cu SR Item no. 14.62, Page no. 112 For Driveway	216.60 2382.60 ecast , pre proring, treads e cement, incl uring complete 1.00	/Cum olished ceme of steps and uding cost of as per spec 40	landing, laid materials, n ification.	on a bed of	12 mm thick cei	ment mortar ng the edge	2,17,008.00
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pri conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ci SR Item no. 14.62, Page no. 112 For Driveway Basic rate	216.60 2382.60 ecast , pre p oring, treads e cement, incl uring complete 1.00 1233.00	/Cum olished ceme of steps and uding cost of a as per spec 40	landing, laid materials, n ification.	on a bed of	12 mm thick ce ing cutting, gridi <u>160</u>	ment mortar ng the edge	2,17,008.00
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, co SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works	216.60 2382.60 2000 2000 2000 2000 2000 2000 2000 20	/Cum olished ceme of steps and uding cost of as per spec 40	landing, laid materials, n ification.	on a bed of	12 mm thick ce ing cutting, gridi <u>160</u>	ment mortar ng the edge	2,17,008.00
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ct SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total	216.60 2382.60 ecast , pre p oring, treads of e cement, incl irring complete 1.00 1233.00 1233.00 12356.30	/Cum olished ceme of steps and uding cost of as per spec 40 /Sqm	landing, laid materials, n ification. 4	on a bed of nortar, includ	12 mm thick ce ing cutting, gridi <u>160</u> Sqm	ment mortar ng the edge 1356.30	2,17,008.00
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ct SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position	216.60 2382.60 2382.60 20 cast , pre p oring, treads of e cement, incl intring complete 1.00 1233.00 1233.00 1233.00 1236.30 n plain cemen	/Cum olished ceme of steps and uding cost of a sper spec 40 /Sqm t concrete of	landing, laid materials, n ification. 4 Mix M20 wi	on a bed of nortar, includ	12 mm thick ce ing cutting, gridi 160 Sqm 0kgs, with 20mr	ment mortar ng the edge 1356.30 m and down	2,17,008.00
9	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ct SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates	216.60 2382.60 2382.60 2000 (2000) 2000 (2	/Cum olished ceme of steps and uding cost of a s per spec 40 /Sqm t concrete of and fine agg	landing, laid materials, n ification. 4 Mix M20 wi regtes @ 0	on a bed of nortar, includ	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid	2,17,008.00
	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ct SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, wo	216.60           2382.60           acast , pre poring, treads of a coment, incluring complete           1.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1235.01           1256.30           n plain compacted           @0.69cum           ell compacted	/Cum olished ceme of steps and uding cost of a s per spec 40 /Sqm t concrete of and fine agg I, in foundat	landing, laid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a	on a bed of nortar, includ	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid	2,17,008.00
	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ct SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, we labour, HOM curing complete as per specifica	216.60           2382.60           acast , pre poring, treads of a coment, incluring complete           1.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1235.01           1256.30           n plain compacted           @0.69cum           ell compacted	/Cum olished ceme of steps and uding cost of a s per spec 40 /Sqm t concrete of and fine agg I, in foundat	landing, laid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a	on a bed of nortar, includ	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid	2,17,008.00
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	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, co SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, we labour, HOM curing complete as per specifica S.R. Item No. 4.5 Page 13	216.60           2382.60           ecast , pre poring, treads of ecoment, incluring complete           1           1           1           1233.00           1233.00           1233.00           1233.00           1356.30           1           0           0           1           0           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1	/Cum olished ceme of steps and uding cost of a sper spec 40 /Sqm t concrete of and fine agg I, in foundal cation No. KE	landing, laid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a 3S 4.1, 4.2	on a bed of nortar, includ	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid	
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	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, co SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, we labour, HOM curing complete as per specifica S.R. Item No. 4.5 Page 13 For Driveway	216.60           2382.60           2382.60           eccast , pre p           oring, treads d           e cement, incl           1100           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           12356.30           nplain cemen           @0.69cum           ell compacted           1.00           5683.00           5683.00	/Cum olished ceme of steps and uding cost of a sper spec 40 /Sqm t concrete of and fine agg I, in foundat cation No. Kt 40	landing, laid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a 3S 4.1, 4.2	on a bed of nortar, includ th OPC@ 30 .43cum, mac nd cills, incl 0.15	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid Il materials,	
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	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ct SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, we labour, HOM curing complete as per specifica S.R. Item No. 4.5 Page 13 For Driveway Basic rate Add 10% for Malnad area works Total	216.60           2382.60           2382.60           acast , pre p           oring, treads de coment, incl           irring complete           1100           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1235.02           1200           0.69cum           ell compacted           1.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00 <td>/Cum olished ceme of steps and uding cost of a sper spec 40 /Sqm t concrete of and fine agg I, in foundat cation No. KE 40 /Sqm /Sqm your size gra and well cor</td> <td>Ianding, Iaid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a 3S 4.1, 4.2 4 nite coarse a npacted inclu</td> <td>on a bed of nortar, includ th OPC@ 30 .43cum, mac .43cum, mac .15 Say aggregates a uding vibratim</td> <td>12 mm thick ceing cutting, gridi</td> <td>ment mortar ng the edge 1356.30 1356.30 m and down porcrete laid Il materials, 6251.30 tes of ready for all super</td> <td></td>	/Cum olished ceme of steps and uding cost of a sper spec 40 /Sqm t concrete of and fine agg I, in foundat cation No. KE 40 /Sqm /Sqm your size gra and well cor	Ianding, Iaid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a 3S 4.1, 4.2 4 nite coarse a npacted inclu	on a bed of nortar, includ th OPC@ 30 .43cum, mac .43cum, mac .15 Say aggregates a uding vibratim	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 1356.30 m and down porcrete laid Il materials, 6251.30 tes of ready for all super	
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10	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, co SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, we labour, HOM curing complete as per specifica S.R. Item No. 4.5 Page 13 For Driveway Basic rate Add 10% for Malnad area works Total For Driveway Basic rate Add 10% for Malnad area works Total Providing and laying cement concrete using mixed concrete for RCC works laid in 15 cm. structure works with all lead and lift etc., com concrete M-30 S.R. Item No. 4.49.3 Page 19	216.60           2382.60           eccast , pre p           oring, treads de           e cement, incl           iring complete           1100           1233.00           1233.00           1233.00           12356.30           plain cemen           @0.69cum           ell compacted           1.00           5683.00           5683.00           6251.30           20 mm and de           s thick layers           olete ( exclusi	/Cum olished ceme of steps and uding cost of a sper spec 40 /Sqm t concrete of and fine agg l, in foundat cation No. KE 40 /Sqm yown size gra and well cor ve of cost of	Ianding, Iaid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a 3S 4.1, 4.2 4 nite coarse a npacted inclusteel and fat	on a bed of nortar, includ th OPC@ 30 .43cum, mac .nd cills, incl 0.15 Say 	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid II materials, 6251.30 tes of ready for all super ixed cement	1,56,282.50
10	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, co SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, we labour, HOM curing complete as per specifica S.R. Item No. 4.5 Page 13 For Driveway Basic rate Add 10% for Malnad area works Total For Driveway Basic rate Add 10% for Malnad area works Total Providing and laying cement concrete using mixed concrete for RCC works laid in 15 cm. structure works with all lead and lift etc., com concrete M-30 S.R. Item No. 4.49.3 Page 19	216.60           2382.60           eccast , pre p           oring, treads de           e cement, incl           iring complete           1100           1233.00           1233.00           1233.00           12356.30           plain cemen           @0.69cum           ell compacted           1.00           5683.00           5683.00           6251.30           20 mm and de           s thick layers           olete ( exclusi	/Cum olished ceme of steps and uding cost of a sper spec 40 /Sqm t concrete of and fine agg l, in foundat cation No. KE 40 /Sqm ywn size gra and well cor ve of cost of	Ianding, Iaid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a 3S 4.1, 4.2 4 nite coarse a npacted inclusteel and fat	on a bed of nortar, includ th OPC@ 30 .43cum, mac .nd cills, incl 0.15 Say 	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid II materials, 6251.30 tes of ready for all super ixed cement	1,56,282.50
10	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ct SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, we labour, HOM curing complete as per specifica S.R. Item No. 4.5 Page 13 For Driveway Basic rate Add 10% for Malnad area works Total For Driveway Basic rate Add 10% for Malnad area works Total Providing and laying cement concrete using mixed concrete for RCC works laid in 15 cm structure works with all lead and lift etc., com concrete M-30 S.R. Item No. 4.49.3 Page 19 <u>FOR Beams</u> Basic rate	216.60           2382.60           2382.60           acast , pre p           oring, treads ,           a cement, incl           1100           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1235.30           0           1233.00           1235.30           0           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5568.00           3.00           3.00	/Cum olished ceme of steps and uding cost of a sper spec 40 /Sqm t concrete of and fine agg l, in foundat cation No. KE 40 /Sqm year of cost of 52	Ianding, Iaid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a 3S 4.1, 4.2 4 nite coarse a npacted inclusteel and fat	on a bed of nortar, includ th OPC@ 30 .43cum, mac .nd cills, incl 0.15 Say 	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid II materials, 6251.30 tes of ready for all super ixed cement	1,56,282.50
10	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ct SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, we labour, HOM curing complete as per specifica S.R. Item No. 4.5 Page 13 For Driveway Basic rate Add 10% for Malnad area works Total Read 10% for Malnad area works Total Providing and laying cement concrete using mixed concrete for RCC works laid in 15 cm structure works with all lead and lift etc., com concrete M-30 S.R. Item No. 4.49.3 Page 19 FOR Beams Basic rate Add 10% for Malnad area works	216.60           2382.60           ccast , pre p           oring, treads           e cement, incl           iring complete           1233.00           1233.00           1233.00           1233.00           1233.00           12356.30           n plain cemen           @0.69cum           ell compacted           5683.00           5683.00           5683.00           5598.00           5598.00           5598.00	/Cum olished ceme of steps and uding cost of a sper spec 40 /Sqm t concrete of and fine agg l, in foundat cation No. KE 40 /Sqm /Sqm t concrete of and fine agg l, in foundat cation No. KE 40 /Sqm /Sqm /Sqm /Sqm	Ianding, Iaid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a 3S 4.1, 4.2 4 nite coarse a npacted inclusteel and fat	on a bed of nortar, includ th OPC@ 30 .43cum, mac .nd cills, incl 0.15 Say 	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid II materials, 6251.30 tes of ready for all super ixed cement	1,56,282.50
10	Add 10% for Malnad area works Total Providing and laying/fixing cement base, pro- conforming to IS 1237 heavy duty tiles for flo 1:3 mis finished with flush pointing using white to half/full round wherever required, labour, ct SR Item no. 14.62, Page no. 112 For Driveway Basic rate Add 10% for Malnad area works Total KSRB 4-1.5 : Providing and laying in position size graded granite metal coarse aggregates in layers not exceeding 15 ems. thick, we labour, HOM curing complete as per specifica S.R. Item No. 4.5 Page 13 For Driveway Basic rate Add 10% for Malnad area works Total For Driveway Basic rate Add 10% for Malnad area works Total Providing and laying cement concrete using mixed concrete for RCC works laid in 15 cm structure works with all lead and lift etc., com concrete M-30 S.R. Item No. 4.49.3 Page 19 <u>FOR Beams</u> Basic rate	216.60           2382.60           2382.60           acast , pre p           oring, treads ,           a cement, incl           1100           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1233.00           1235.30           0           1233.00           1235.30           0           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5683.00           5568.00           3.00           3.00	/Cum olished ceme of steps and uding cost of a as per spec 40 /Sqm t concrete of and fine agg l, in foundat cation No. KE 40 /Sqm /Sqm t concrete of and fine agg l, in foundat cation No. KE	Ianding, Iaid materials, n ification. 4 Mix M20 wi regtes @ 0 ion, plinth a 3S 4.1, 4.2 4 nite coarse a npacted inclusteel and fat	on a bed of nortar, includ th OPC@ 30 .43cum, mac .nd cills, incl 0.15 Say 	12 mm thick ceing cutting, gridi	ment mortar ng the edge 1356.30 m and down oncrete laid II materials, 6251.30 tes of ready for all super ixed cement	2,17,008.00

Assistant Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru Assistant Executive Engineer MSCL Mangaluru



						Per Foundation	
		Rate Analysis	or Fixi	ng of Base P	Plate and Anch	or Bolts	
Sl.no	Ref. to	Description	Units	Quantity	Rate RS	Cost Rs	Remarks
1		Details for Cost of anchor bolts and base plate Materials: Bolts 0.7m x4nos x 3.85kg/mt =10.78 kg Baseplate 0.26m x0.26mx 6mm @47kg/sqm=3.17kg					ELC SR
		Labour					
2	107	Black smith- 2 class	Day	0.05	421.20		
		Add 10% for Malnad Area works			42.12		PWD SR
		Total			463.32	23.17	
3	9999.0	Carriage and labor for Fixing	LS	4.55	1.00	4.55	Delhi Sr2017
					Total	27.72	
4		Sundries	LS		<b>T</b> -4	20.00	
5		Sub total Add Contractors profit @10% of			Total	<u>47.72</u> 4.77	
6		Add Overhead charges @ 10%				4.77	
					Total	57.26	
		Total cost Per 1	no of Fo	undation=58/-		58.00	

Assistant Engineer MSCL Mangaluru

Assitant Executive Engineer MSCL Mangaluru

**Executive Engineer** MSCL Mangaluru



						Per 10 SQM	
		Rate Analys	sis for l	Mangalore T	ile Fixing		
Sl.no	Ref. to	Description	Units	Quantity	Rate RS	Cost Rs	Remarks
1	SL NO15	Tile layer or Carpentor class 1 (with tools)	day	2.00	421.20		PWD SR
		Add 10 % for Malnad area works			42.12		
		Total			463.32	926.64	
2	SL NO5	Mazdoor Heavy	Day	2.00	411.20		PWD SR
		Add 10 % for Malnad area works			41.12		
		Total			452.32	904.64	
3	SLNO12	Mason class 1( with tools)	Day	1.00	436.20		PWD SR
		Add 10 % for Malnad area works			43.62		
		Total			479.82	479.82	
4		Sundries	L.S			150.00	
					Total	2,461.10	
5		Add Contractors profit @10% of a.				246.11	
		Add overhead charges @ 10%				246.11	
					Total	2,953.32	
T						295.33	
		Total Cost =	D 200			296.00	

Assitant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru



						Per Pole	
		Rate Analysis for Shiftin	g of Ex	isting High	Mast pole		
SI.no	Ref. to	Description	Units	Quantity	Rate RS	Cost Rs	Remarks
1	SR Item no. 4.2.7	Fabricating, supplying and erection ofMtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec forMtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottommm, topmm with 3mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per	Each	1.00	15,064.00	15,064.00	ELC SR
2	Item no. 165	9 meters - Top 70mm and bottom 155mm dia Galvanised Octagonal Pole - 9 meters - Top 70mm and bottom 155mm dia	Each	1.00	6,025.60	6,025.60	ELC SR
		Deduct 10% of overhead charges Deduct 10% of contractors profit				602.56 602.56	
3		Erection ofMtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec forMtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottommm, topmm with 3mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended. 9 meters - Top 70mm and bottom 155mm dia				7,833.28	Erection charges only
4		Dismantling and reinstallation charges	Each	0.90	7,833.28 Total	7,049.95 14,883.23	
		Total cost Per 1no of High mas	nole –	Rc 14884 /-	Say	14,884.00	
			pole =	NS. 14004 /-			

Assitant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru



						Per Pole	
		Rate Analysis for Erection	and Te	esting of Cas	st Iron Poles		
		6 m tall	Cast Iror	n Pole			
Sl.no	Ref. to	Description	Units	Quantity	Rate RS	Cost Rs	Remarks
		Fabricating, supplying and erection ofMtrs					
		long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for					
		shaft, IS 2062 for base plate with door opening					
		arrangements, including suitable boards,					
		Bakelite sheet and MCBs as per IS specifications					
		suitable to withstand the wind speed of 47					
		m/sec forMtrs pole					
1	CD Items as	in single section and single joint welded as per	E h	1.00	0.076.00	0.076.00	
1	SR Item no. 4.2.4	IS 9595/IS 10178AWS having dimensions	Each	1.00	9,076.00	9,076.00	ELC SR
	1.2.1	bottommm, topmm with 3mm thick,					
		suitable base plate and 4Nos of long					
		J bolts along with template and the pole shall					
		be hot dip galvanized in single dipping with not					
		less than 65micron as per ASTM-A123 and 153					
		etc., (excluding foundation) as per					
		drawing appended. 6meters - Top 70mm and bottom 130mm dia					
_		Galvanised Octagonal Pole - 6meters - Top					
2	Item no. 162	70mm and bottom 130mm dia	Each	1.00	3,630.40	3,630.40	ELC SR
		Deduct 10% of overhead charges				363.04	
		Deduct 10% of contractors profit Erection ofMtrs long hot dip Galvanized				363.04	
		Octagonal pole with BSEN 10025 grade S 355					
		JO steel plate for shaft, IS 2062 for base plate					
		with door opening arrangements, including					
		suitable boards, Bakelite sheet and MCBs as per					
		IS specifications suitable to withstand the wind					
		speed of 47 m/sec forMtrs pole					
		in single section and single joint welded as per					
3		IS 9595/IS 10178AWS having dimensions				4,719.52	Erection
		bottommm, topmm with 3mm thick,					charges only
		suitable base plate and 4Nos of long					
		J bolts along with template and the pole shall					
		be hot dip galvanized in single dipping with not					
		less than 65micron as per ASTM-A123 and 153					
		etc., (excluding foundation) as per					
		drawing appended.					
		9 meters - Top 70mm and bottom 155mm dia					
					Total	4,719.52	
					Say	4,719.52	
		Total cost Per 1no of 6 m p	ole = Rs	. 4720/-	,	.,0.00	

Assitant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru

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						Per Pole					
Rate Analysis for Erection and Testing of Cast Iron Poles											
1	<b>.</b>	4 m tall			Dute DC	0.10	<u> </u>				
l.no	Ref. to	Description Fabricating, supplying and erection ofMtrs	Units	Quantity	Rate RS	Cost Rs	Remarks				
		long hot dip Galvanized Octagonal pole with									
		BSEN 10025 grade S 355 JO steel plate for									
		shaft, IS 2062 for base plate with door opening									
		arrangements, including suitable boards,									
		Bakelite sheet and MCBs as per IS specifications		1.00	6,510.00 6,510.00	6,510.00	ELC SR				
		suitable to withstand the wind speed of 47									
		m/sec forMtrs pole									
		in single section and single joint welded as per	E. J.								
1	SR Item no. 4.2.2	IS 9595/IS 10178AWS having dimensions	Each								
	4.2.2	bottommm, topmm with 3mm thick,									
		suitable base plate and 4Nos of long									
		J bolts along with template and the pole shall									
		be hot dip galvanized in single dipping with not									
		less than 65micron as per ASTM-A123 and 153									
		etc., (excluding foundation) as per									
		drawing appended.									
		4 meters - Top 70mm and bottom 130mm dia Galvanised Octagonal Pole - 4 meters - Top									
2	Item no. 160	70mm and bottom 130mm dia	Each	1.00	2,604.00	2,604.00	ELC SR				
		Deduct 10% of overhead charges				260.40					
		Deduct 10% of contractors profit				260.40					
		Erection ofMtrs long hot dip Galvanized									
		Octagonal pole with BSEN 10025 grade S 355									
		JO steel plate for shaft, IS 2062 for base plate									
		with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per									
		IS specifications suitable to withstand the wind									
		speed of 47 m/sec forMtrs pole				3,385.20	Erection charges only				
		in single section and single joint welded as per									
3		IS 9595/IS 10178AWS having dimensions									
5		bottommm, topmm with 3mm thick,									
		suitable base plate and 4Nos of long									
		J bolts along with template and the pole shall									
		be hot dip galvanized in single dipping with not									
		less than 65micron as per ASTM-A123 and 153									
		etc., (excluding foundation) as per									
		drawing appended.									
		4 meters - Top 70mm and bottom 130mm dia									
					Total	3,385.20					
		Total cost Per 1no of 4 m tal		Da 2206/	Say	3,386.00					

Assistant Engineer MSCL Mangaluru Assitant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru



1       SR Item no. 4.2.1       Fabricating, supplying and erection ofNtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec forMtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottommm, topmm with 3mm thick, suitable base plate and 4Nos of Iong J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.       1.00       5,360.00       5,360.00       El         2       Item no. 159       Galvanized Galvanized Octagonal Pole - 3 meters - Top Zomm and bottom 130mm dia       Each       1.00       2,144.00       El         2       Item no. 159       Galvanized Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shart, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec forMtrs pole in single section and single joint welded as per IS 9595/JS 10178AWS having dimensions bottommm, topmm with 3mm thick, suitable base plate and 4Nos of long J bots along with template and the pole shall be hot dip galvanized J ameters - Top Zomm and bottom 130mm dia       Ence Less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.       Total       2,787.20							Per Pole					
Ino         Ref. to         Description         Units         Quantity         Rate RS         Cost Rs         Re           Image: Ref. to         Fabricating, supplying and erection ofMtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS septifications suitable to withstand the wind speed of 47 m/sec forMtrs pole in single esciton and single joint welded as per IS 9595/IS 10178AWS having dimensions bottommm, topmm with 3mm thick, suitable base plate and 4Nos of long J botts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.         Each         1.00         2,144.00         Elf           2         Item no. 159         Galvanized Octagonal POle - 3 meters - Top 20mm and bottom 130mm dia         Each         1.00         2,144.00         Elf           2         Item no. 159         Galvanized In single dipping with not less than 0 Educt 10% of contractors profit         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40         214.40	Rate Analysis for Erection and Testing of Cast Iron Poles											
1       SR Item no. 4.2.1       Fabricating, supplying and erection ofMtrs long hot dig Galvanized Octagonal pole with BSEN 10025 grade S 355 10 steel plate for shaft, 15 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec forMtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottomnm, topmm with 3mm thick, suitable base plate and 4Nos of Iong J botts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.       Each       1.00       5,360.00       5,360.00       EI         2       Item no. 19       Galvanised Octagonal Pole - 3 meters - Top Zomm and bottom 130mm dia       Each       1.00       2,144.00       2,144.00       EI         2       Item no. 19       Galvanised Octagonal Pole - 3 meters - Top Zomm and bottom 130mm dia       Each       1.00       2,144.00       2,144.00       EI         4       Deduct 10% of overhead charges       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       214.40       21			2.7 m tall	Cast Iro								
1       Image: Signature of the calculation of th	l.no	Ref. to		Units	Quantity	Rate RS	Cost Rs	Remarks				
2       Item no. 159       Galvanised Octagonal Pole - 3 meters - Top 70mm and bottom 130mm dia       Each       1.00       2,144.00       2,144.00       Ell         0       Deduct 10% of overhead charges       214.40       214.40       214.40       214.40         0       Deduct 10% of contractors profit       214.40       214.40       214.40       214.40         1       Erection ofMtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355       JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec forMtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottommm, topmm with 3mm thick, suitable base plate and 4Nos of long       2,787.20       2,787.20         J       botts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.       3 meters - Top 70mm and bottom 130mm dia       Total       2,787.20	1		long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec forMtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottommm, topmm with 3mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.	Each	1.00	5,360.00	5,360.00	ELC SR				
20mm and bottom 130mm dia       211.4       214.40         Deduct 10% of contractors profit       214.40         Erection ofMtrs long hot dip Galvanized       214.40         Octagonal pole with BSEN 10025 grade S 355       214.40         JO steel plate for shaft, IS 2062 for base plate       214.40         with door opening arrangements, including       suitable boards, Bakelite sheet and MCBs as per         IS specifications suitable to withstand the wind       speed of 47 m/sec forMtrs pole         in single section and single joint welded as per       IS 9595/IS 10178AWS having dimensions         bottommm, topmm with 3mm thick,       suitable base plate and 4Nos of long         J botts along with template and the pole shall       be hot dip galvanized in single dipping with not         less than 65micron as per ASTM-A123 and 153       etc., (excluding foundation) as per         drawing appended.       3 meters - Top 70mm and bottom 130mm dia	2	Item no 159	Galvanised Octagonal Pole - 3 meters - Top	Fach	1.00	2 144 00	2 144 00	ELC SR				
Deduct 10% of contractors profit       214.40         Erection ofMtrs long hot dip Galvanized       Octagonal pole with BSEN 10025 grade S 355         JO steel plate for shaft, IS 2062 for base plate       with door opening arrangements, including         suitable boards, Bakelite sheet and MCBs as per       IS specifications suitable to withstand the wind         speed of 47 m/sec forMtrs pole       in single section and single joint welded as per         IS 9595/IS 10178AWS having dimensions       2,787.20         bottommm, topmm with 3mm thick,       suitable base plate and 4Nos of long         J bolts along with template and the pole shall       be hot dip galvanized in single dipping with not         less than 65micron as per ASTM-A123 and 153       etc., (excluding foundation) as per         drawing appended.       3 meters - Top 70mm and bottom 130mm dia	2	10.155		Euch	1.00	2,111.00	,	LEC SIX				
Erection ofMtrs long hot dip Galvanized         Octagonal pole with BSEN 10025 grade S 355         JO steel plate for shaft, IS 2062 for base plate         with door opening arrangements, including         suitable boards, Bakelite sheet and MCBs as per         IS specifications suitable to withstand the wind         speed of 47 m/sec forMtrs pole         in single section and single joint welded as per         IS 9595/IS 10178AWS having dimensions         bottommm, topmm with 3mm thick,         suitable base plate and 4Nos of long         J bolts along with template and the pole shall         be hot dip galvanized in single dipping with not         less than 65micron as per ASTM-A123 and 153         etc, (excluding foundation) as per         drawing appended.         3 meters - Top 70mm and bottom 130mm dia												
			Erection ofMtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec forMtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottommm, topmm with 3mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.					Erection charges onl				
						Total	2 787 20					
5dV 2.788.00						Say	2,788.00					

otal cost Per 1no of 2.7 m tall pole = Rs.2/88

Assistant Engineer MSCL Mangaluru Assitant Executive Engineer MSCL Mangaluru

Executive Engineer MSCL Mangaluru



# PROPOSED "RETROFITTING/REDEVELOPMENT OF

# **CAR STREET AND AREAS OF**

# SRI VENKATRAMANA TEMPLE AS RELIGIOUS ZONE"

# **COMPREHENSIVE LIST OF SPECIFICATIONS**

# **OF NON SoR ITEMS**

**AEC -PAILANDS ASSOCIATES** 



pailands associates architects & interior designers #1, temple square, carstreet mangalore, ph- 2495631, 2496539 pailands @ gmail, com

# LIST OF NON SoR ITEMS

- PROVISION FOR PRECAST CC ITEMS
- 1. SPECIFICATION OF PRECAST C.C. BOLLARDS
- 2. SPECIFICATION OF PRECAST C.C. BENCHES WITHOUT ARMREST AND WITHOUT BACKREST
- PROVISION FOR SUPPLY OF CAST IRON DECORATIVE POLES
- 1. SPECIFICATION OF CAST IRON STREETLIGHT POLES WITH ONE ARM BRACKET 6 m
- 2. SPECIFICATION OF CAST IRON BRACKETS FOR DECORATIVE STREET LIGHT POLES
- 3. SPECIFICATION FOR CAST IRON DECORATIVE POST TOP LIGHT POLES 4 m
- 4. SPECIFICATION FOR CAST IRON DECORATIVE PILLARS FOR ROOF STRUCTURE
- PROVISION FOR GRANITE CLADDING FOR KATTE FINISH
- PROVISION FOR SUPPLY OF MANGALORE ROOF TILES
- 1. MANGALORE SINGLE GROOVE ROOFING TILE 16" X 9"
- 2. CLAY CEILING TILES 12.75" X 9.25 "
- 3. MANGALORE TILE WITH GLASS SKYLIGHT TILES 16" X 9"
- PROVISION FOR SUPPLY OF MS BOLLARDS
- 1. SPECIFICATION FOR M.S. BOLLARDS FIXED BOLLARDS
- 2. SPECIFICATION FOR M.S. BOLLARDS REMOVABLE BOLLARDS
- PROVISION FOR SUPPLY OF CAST IRON + STAINLESS STEEL RAILING SPECIFICATIONS FOR CAST IRON ORNAMENTAL GRILL WITH STAINLESS STEEL FRAME RAILING
- PROVISION FOR SUPPLY OF EAVES BOARD

# **PROVISION FOR PRECAST CC ITEMS**

### **1. SPECIFICATION OF PRECAST C.C. BOLLARDS -**

Nos.

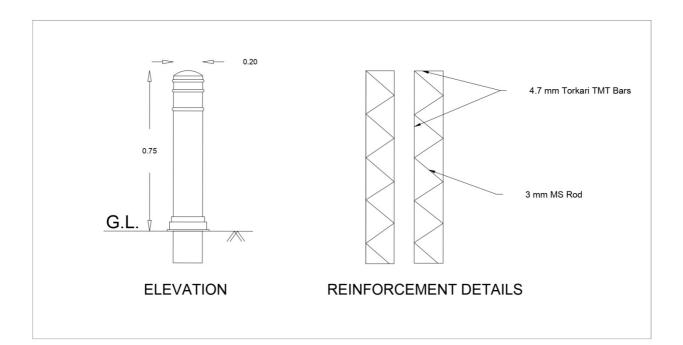
Providing and fixing Precast Bollard of 750mm height and 200 mm dia cast in M-30 Grade Concrete with Ordinary Portland Cement using vibro-compaction technique for a compressive strength of concrete for 30MPa at 28 days. Reinforcements include fabrication of micro trusses using 4.7 mm Torkari TMT Bars and 3 mm MS Rods and they are welded to achieve the required shape.

The half portions of Bollards to be manufactured separately using M-30 grade concrete and reinforced with fabricated micro trusses and then joined together using high performance mortar and surface finished with cement grout which makes uniformly smooth textured surface without any bug holes and smooth mold seams.

Paint finish: Putty finish with acrylic paint as per directions.

The bollards shall be installed in an excavated pit of size  $0.3 \text{ m} \times 0.3 \text{ m} \times 0.3 \text{ m}$  in the ground and bottom 0.3 m of the bollard is fixed inside the ground level and remaining gap to be filled with PCC of 1:2:4 at the locations and levels as per the drawing indicated .

The cost shall include excavation, bare cost of all materials, cost of reinforcements, transportation charges, fixing charges, labour, HOM etc., The work shall be carried out as per the detailed specifications, drawings and directions of the Architect of the PMC and incharge Executive Engineer of MSCL.

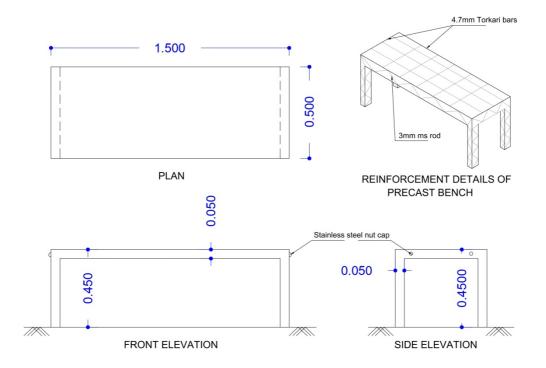


#### 2. SPECIFICATION OF PRECAST C.C. BENCHES - WITHOUT ARMREST AND WITHOUT BACKREST-Nos.

Providing and fixing of Precast Benches of size **1500 mm x 500 mm x 450 mm** which is cast using M-30 grade concrete with Ordinary Portland Cement by using vibro-compaction technique for a compressive strength of concrete for 30MPa at 28 days. Reinforcements include fabrication of micro trusses using 4.7 mm Torkari TMT Bars and 3 mm MS Rods and they are welded to achieve the required shape. Wire mesh should be provided a seating planks to improve the strength. 12 mm dia x 130 mm long galvanised countersunk bolts with stainless steel nut cap shall be used to connect the seating plank with leg of the bench.

Two number of legs using M-30 grade concrete of height 450mm with 50mm thickness. Each leg is reinforced with fabricated micro truss. Each leg consists of two holes at appropriate location to connect seating planks with leg. Seating plank of size 1400mm x430mm shall be cast using M-30 grade concrete. Each concrete plank is reinforced with fabricated micro truss and wire mesh. Each plank will have 4 no. of 12 mm dia 130mm length galvanized countersunk bolts to fix with leg.

The bench shall be finished with cement grout of uniformly smooth texture without any bug holes and smooth mold seams. It shall be painted using Acrylic based paint as per the instructions .The seating planks shall be bolted with leg with help of 12 mm dia x 130 mm length galvanised steel countersunk bolts and stainless steel nut cap and placed at the location and level per the drawing indicated. The cost shall include bare cost of all materials, cost of reinforcements, transportation charges, fixing charges, labour, HOM etc., The work shall be carried out as per the detailed specifications , drawings and directions of the Architect of the PMC and incharge Executive Engineer of MSCL.



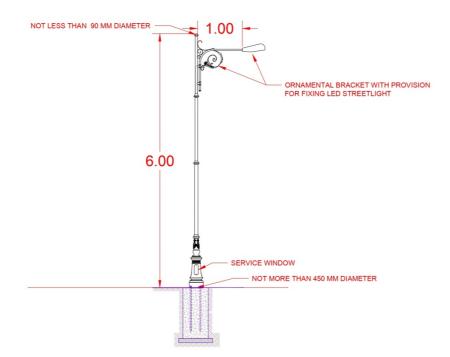
# **PROVISION FOR SUPPLY OF CAST IRON DECORATIVE POLES**

### 1.SPECIFICATION OF CAST IRON STREETLIGHT POLES WITH ONE ARM BRACKET - 6 m Nos.

Supplying, Erection and testing of 6.0mtr height decorative cast iron pole with CI embellishments welded. The bottom CI portion should have round mounting base of not more than 450mm dia and must be provided with service window comprising of 4way, 25Amp connector terminal and a MCB. The top portion should not be less than 90mm dia. Foundation bolts and Templates included. The work shall be carried out as per the instructions of Architect of the PMC and incharge Executive Engineer of MSCL.

### 2.SPECIFICATION OF CAST IRON BRACKETS FOR DECORATIVE STREET LIGHT POLES Nos.

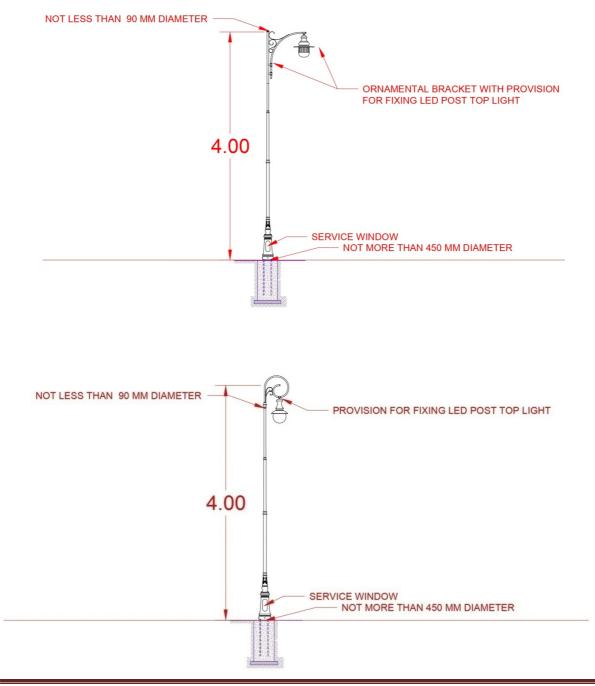
Supplying of following size single ornamental Cast Iron bracket & fixing on the existing pole for mounting LED street light fitting including necessary accessories etc. as required - 1 m in length. The work shall be carried out as per the instructions of Architect of the PMC and incharge Executive Engineer of MSCL.

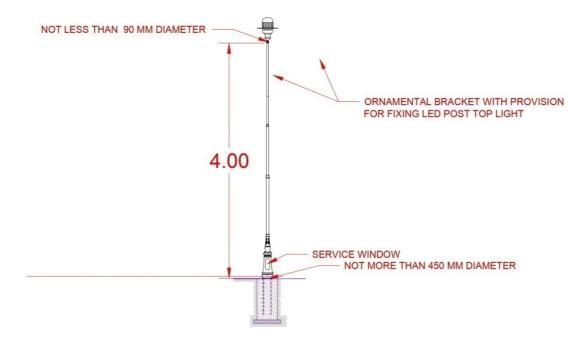


#### 3.SPECIFICATION FOR CAST IRON DECORATIVE POST TOP LIGHT POLES - 4 m

Nos.

Supplying, Erection and testing of 4.0mtr. height decorative cast iron pole for post top light with CI embellishments welded. The bottom CI portion should have round mounting base of not more than 400mm dia and must be provided with service window comprising of 4way, 25Amp connector terminal and a MCB. The top portion should not be less than 90mm dia. Foundation bolts and Templates included. The work shall be carried out as per the instructions of Architect of the PMC and incharge Executive Engineer of MSCL.

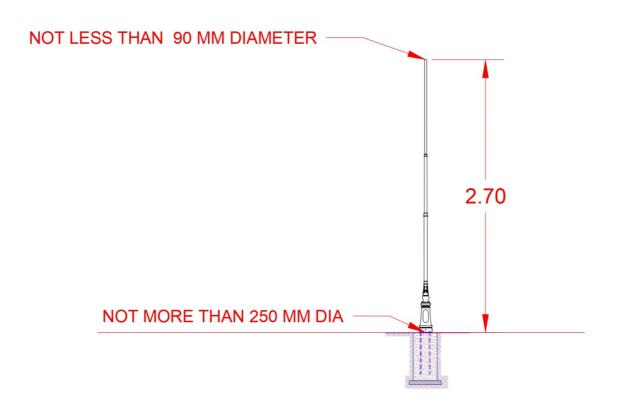




### 4.SPECIFICATION FOR CAST IRON DECORATIVE PILLARS FOR ROOF STRUCTURE Nos.

Supplying, Erection and testing of 2.7m (minimum)height decorative cast iron pole with CI embellishment duly welded. The bottom CI portion should have round mounting base of not more than 250mm dia.

The top portion should not be less than 90mm dia. Foundation bolts and Templates included. The work shall be carried out as per the instructions of Architect of the PMC and incharge Executive Engineer of MSCL.

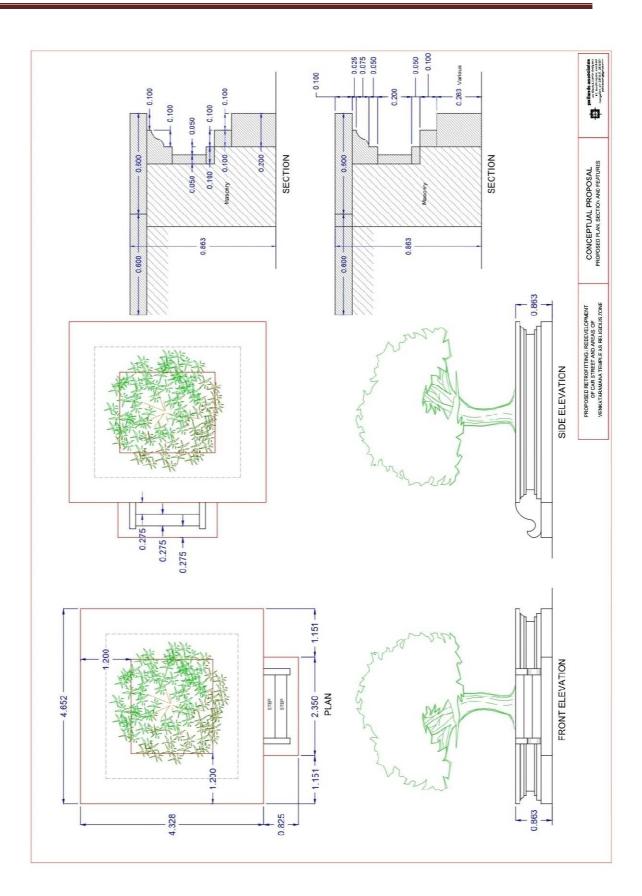


## PROVISION FOR GRANITE CLADDING FOR KATTE FINISH (In Sft)

Providing and fixing of good quality Karkala granite stone with minimum 3 line dressing of thickness and sizes as shown in drawing using cement mortar and finished with sandblasting before handover. The cost shall include removal of existing tree planter box, delivery of materials to site, handling, labour, construction of additional masonry / filling for foundation and support for carved granite stone as required at site as per instructions of Architect of the PMC and incharge Executive Engineer of MSCL.

Sandblasting and cleaning of existing granite stone masonry of temple tree planter box , steps and carvings as per instructions of Architect of the PMC and Incharge Executive Engineer of MSCL.

(Drawing attached in next page)



## PROVISION FOR SUPPLY OF MANGALORE ROOF TILES - (In Nos.)

Supply of class AA Mangalore roof tile (IS 654-1972 or as amended from time to time double channelled flat tiles of the Mangalore pattern of approved make). All tiles must be thoroughly well burnt throughout of regular shape and uniform size sharp, even and free from winds, cracks, laminations, bends and flaws. The roofing tiles shall also be free from impurities like particles of stone, lime or other foreign materials visible to naked eye either on the surface or on the fractured face of the tile obtained. They must be approved colour (deep red) and ring clearly when struck. Tiles shall be of uniform colour and shall not absorb more than 16% of their dry weight when soaked in water for full 24 hours.

1. Mangalore Single Groove Roofing tile - 16" x 9"



2. Clay Ceiling Tiles - 12.75" x 9.25 "



3. Mangalore tile with glass - Skylight Tiles - 16" x 9"



## **PROVISION FOR SUPPLY OF MS BOLLARDS**

#### **1.SPECIFICATION FOR M.S. BOLLARDS - FIXED BOLLARDS**

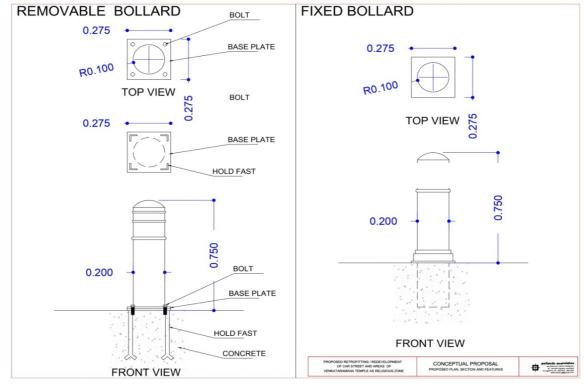
Nos.

Nos.

Fabricating and providing M.S.Circular Bollards of 750 mm height above ground and 200mm dia, 10 Gauge with steel pedestal & steel cap as per designs given by the Architect including cutting, welding, riveting, polishing. The foundation shall be with base plate of 275x275x6mm thk and embedding pipe in foundation of 1:2:4 concrete as shown in drawing . The assembly shall be treated with Rusticised solution of approved company & applied with two coats of epoxy painting over one coat of epoxy primer to resist rusting of material (the treatment shall be given as per Manufacture's specifications and certificate to that effect shall be submitted along with Guarantee Certificate). The work shall be carried out as per the instructions of Architect of the PMC and Executive Engineer, MSCL.

#### 2.SPECIFICATION FOR M.S. BOLLARDS - REMOVABLE BOLLARDS

Fabricating and providing M.S.Circular Bollards of 750 mm height above ground and 200mm dia, 10 Gauge with steel pedestal , 275x275x6mm thk base plate(provision for fixing bolts to foundation base plate) & steel cap as per designs given by the Architect including cutting, welding, riveting, polishing. The foundation shall with base plate of 275x275x6mm thk with 20mm Diax6 nos holdfasts embedded in 1:2:4 concrete as shown in drawing , and provided with 4 Nos. 16 mm dia J Bolts for fixing bollards .The assembly shall be treated with Rusticised solution of approved company & applied with two coats of epoxy painting over one coat of epoxy primer (the treatment shall be given as per Manufacture's specifications and certificate to that effect shall be submitted along with Guarantee Certificate). The work shall be carried out as per the instructions of Architect of the PMC and Executive Engineer, MSCL.



PAILANDS ASSOCIATES

## PROVISION FOR SUPPLY OF CAST IRON + STAINLESS STEEL RAILING

## SPECIFICATIONS FOR CAST IRON ORNAMENTAL GRILL WITH STAINLESS STEEL FRAME RAILING -Nos./Rmt

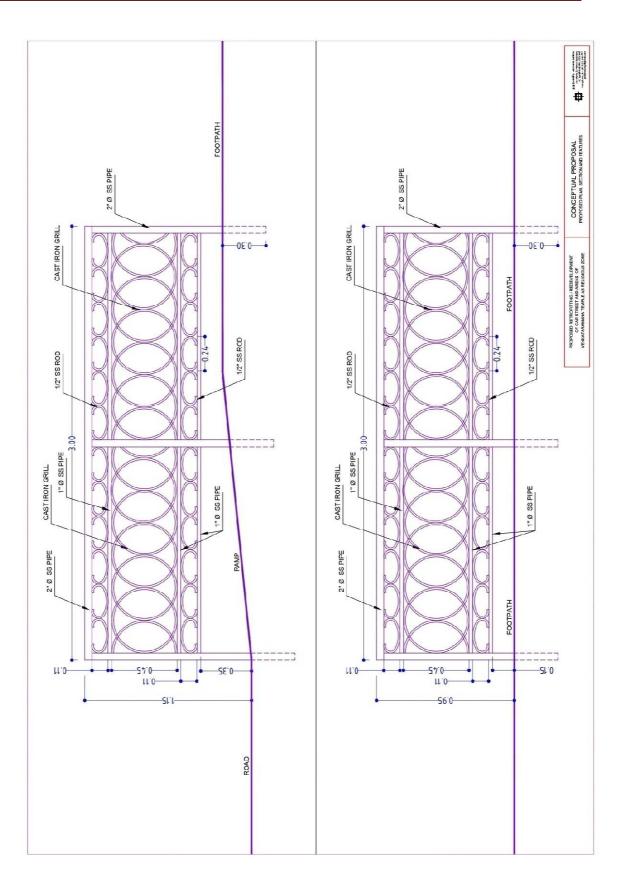
Fabricating and providing of Cast Iron grills with Stainless steel pipes of specified size (matt finish/brushed steel finish)frame as per design.

The ornamental grills made of Cast Iron of weight upto 45kg/sqm shall be framed by Stainless steel frame of 0.025 m diameter and 0.0127 m diameter circular sections as per design.

The vertical and horizontal frame supports should be made up of Stainless steel pipe sections for height 0.95 m above ground of 304 grade and have brushed steel finish. The horizontal member of 50 mm dia 16 guage hollow pipe shall be welded to vertical hollow pipe of 50 mm dia 16 guage at intervals as marked in the drawing.

The work includes providing two coats of enamel painting of approved colour over one coat of primer to the Cast Iron elements and shall include cost of all materials, fabrication, labour, painting, transportation, accessories charges as per specification and drawings given. The work shall be carried out as per the instructions of Architect of the PMC and Executive Engineer, MSCL.

(drawing attached in next page)



## **PROVISION FOR SUPPLY OF EAVES BOARD**

(in Sqm)

Supplying of Wood Polymer Composite Hybrid board of minimum density 650 kg/cum having 18mm thickness and 200 mm height as eaves board as per the approved design using CNC cutting machine.

The scope of work shall include the supply of material, cutting the board in CNC machine , necessary labour, accessories complete as per the specification and requirements as per the instructions of the Architect of the PMC and incharge Executive Engineer of MSCL.





ಮಂಗಳೂರು ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಲಿಮಿಟಿಡ್

ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಕಟ್ಟಡ, 2ನೇ ಮಹಡಿ, ಎಮ್.ಜಿ. ರಸ್ತೆ, ಲಾಲ್ಬಾಗ್, ಮಂಗಳೂರು - 575 003, ದ.ಕ.

## Ref: MSCL/TECH/EE3/AEE3/AE9/CR01/2020-21/EOI2

# ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಲಿಮಿಟೆಡ್ ಮಂಗಳೂರು, ಪ್ರಧಾನ ವ್ಯವಸ್ಥಾಪಕರು(ತಾಂತ್ರಿಕ) ಇವರ ನಡವಳಿ

ದಿನಾಂಕ: 06.08.2020

## ಉಪಸ್ಥಿತರು : ಶ್ರೀ ಅರುಣ್ ಪ್ರಭಾ, ಪ್ರಧಾನ ವ್ಯವಸ್ಥಾಪಕರು (ತಾಂತ್ರಿಕ)

ವಿಷಯ : ಮಂಗಳೂರು ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಲಿಮಿಟೆಡ್ ನ ಯೋಜನೆಯಡಿ ಕಾಮಗಾರಿಗಳಿಗೆ ವಿವಿಧ ವಿಶೇಷ ಸಾಮಾಗ್ರಿಗಳಿಗೆ ಅಂದಾಜು ಪಟ್ಟಿ ತಯಾರಿಸುವ ಸಲುವಾಗಿ ದರಗಳನ್ನು ಆಹ್ವಾನಿಸಿದ್ದು, ತಯಾರಕರು/ ಸಾಮಾಗ್ರಿ ಪೂರೈಕೆದಾರರು/ ಗುತ್ತಿಗೆದಾರರಿಂದ ಆಸಕ್ತಿ ವ್ಯಕ್ತಪಡಿಸುವಿಕೆ ಅಂಗೀಕರಿಸುವ ಬಗ್ಗೆ.

#### ****

ಈ ಮೇಲಿನ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಮಂಗಳೂರು ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಲಿಮಿಟೆಡ್ನ ಯೋಜನೆಯಡಿ ವಿವಿಧ ಕಾಮಗಾರಿಗಳಿಗೆ ಅಂದಾಜು ಪಟ್ಟಿ ತಯಾರಿಸುವ ಸಲುವಾಗಿ ವಿಶೇಷ ಸಾಮಾಗ್ರಿಗಳಿಗೆ ಲೋಕೊಪಯೋಗಿ ಇಲಾಖೆ ದರಪಟ್ಟಿಯಲ್ಲಿ ದರ ಇಲ್ಲದ ಕಾರಣ ಮಾರುಕಟ್ಟೆ ದರಗಳಿಗೆ ತುಲನೆ ಮಾಡುವ ಸಲುವಾಗಿ ದರಸೂಚಿಯನ್ನು (Expression of Interest)ನ್ನು ಪ್ರಕಟಣೆ ಸಂಖ್ಯೆ: MSCL/TECH/EE-3/AEE-3/AE-9/CR-01/2020-21/EOI2 ದಿನಾಂಕ: 13.08.2020 ರಂತೆ ಆಹ್ವಾನಿಸಲಾಗಿದ್ದು, ಸದ್ರಿ ಪ್ರಕಟಣೆಯು ದಿನಾಂಕ: 19.08.2020 ರಂದು ವಾರ್ತಾ ಭಾರತಿ ದಿನಪತ್ರಿಕೆಯಲ್ಲಿ ಪ್ರಕಟಣೆಗೊಂಡಿರುತ್ತದೆ.

ಸದ್ರಿ ವಿಶೇಷ ಸಾಮಾಗ್ರಿಗಳಿಗೆ ಸಂಬಂಧಿಸಿದ ಈ ಕೆಳಗೆ ಸೂಚಿಸಿರುವ ವಿಶಿಷ್ಟ ವಿವರಣೆಗಳಿಗೆ ಅದರ ಮುಂದೆ ಸೂಚಿಸಿರುವ ದರಗಳು ಮಾರುಕಟ್ಟೆ ಧಾರಣೆ ದರಗಳಲ್ಲಿ ಅತೀ ಕಡಿಮೆ ದರಗಳಾಗಿದ್ದು, ದರಸೂಚಿ ಕರೆಯೋಲೆ ಮೂಲಕ ಬಂದ ದರಗಳನ್ನು ಪರಿಶೀಲಿಸಿ ಅಂಗೀಕರಿಸಲಾಗಿದೆ.

SI. No	Description of work	Qty	Unit	Approved Lowest Rate
1	Providing and fixing Precast Bollard of 750mm height and 200 mm dia cast in M-30 Grade Concrete with Ordinary Portland Cement using vibro-compaction technique for a compressive strength of concrete for	1	No	2700.00
	30MPa at 28 days. Reinforcements include fabrication of micro trusses using 4.7 mm Torkari TMT Bars and 3			
	mm MS Rods and they are welded to achieve the required shape. As per the detailed specification and			- Clark Second
	drawings attached and with acrylic painting finish, Including transportation, loading unloading and fixing at site as per Executive Engineer in charge directions.			
2	Providing and fixing of Precast Benches of size 1500 mm x 500 mm x 450 mm which is cast using M-30 grade concrete with Ordinary Portland Cement by using vibro-compaction technique for a compressive strength of concrete for 30MPa at 28 days. Reinforcements include fabrication of micro trusses using 4.7 mm Torkari TMT Bars and 3 mm MS Rods	1	No	10620.00

	and they are welded to achieve the required shape.As per the detailed specification and drawings attached, Including transportation, loading unloading and fixing at site as per Executive Engineer in charge directions.		NLO	
3	Providing and fixing of RCC rings, M25 grade of clear internal diameter of minimum 1 m and height of 0.3m and width of 0.1m with provision for minimum 2 no. of circular openings to connect 200 mm dia PVC pipes for water entry and over flow. Circular openings of 50mm dia for connecting 1.0m apart PVC pipe should placed around the ring for percolation . The ring shall be reinforced using 10mm dia tor at 150mm spacing in vertical direction for main rod and 8mm dia tor in horizontal direction as a distribution rod. The cost shall include bare cost of all materials, cost of reinforcements, transportation charges, fixing charges, labour, HOM etc., As per the detailed drawing and specification attached. The work shall be carried out as per the instructions of Executive Engineer incharge of MSCL.		Set	1600.00
4	Supplying, Erection and testing of 6.0mtr height decorative cast iron pole with CI embellishments welded. The bottom CI portion should have round mounting base of not more than 450mm dia and must be provided with service window comprising of 4way, 25Amp connector terminal and a MCB. The top portion should not be less than 90mm dia. Foundation bolts and Templates included . As per the detailed drawings and specifications attached. The work shall be carried out as per the instructions of Executive Engineer in charge of MSCL.	1	No	44840.00
5	Supplying and fixing of following size single ornamental Cast Iron bracket & fixing on the existing pole for mounting LED street light fitting including necessary accessories etc. as required - 1 m in length. As per the detailed drawing and specification attached. The work shall be carried out as per the instructions of Executive Engineer incharge of MSCL.		No	
6	Supplying, Erection and testing of 4.0mtr. height decorative cast iron pole for post top light with CI embellishments welded. The bottom CI portion should have round mounting base of not more than 400mm dia and must be provided with service window comprising of 4way, 25Amp connector terminal and a MCB. The top portion should not be less than 90mm dia. Foundation bolts and Templates included. As per the detailed drawing and specification attached. The	の時代の	No	41770.00

					7
T	the detailed drawing and specification attached. The				
-	work shall be carried out as per the instructions of	BE DE	a canalar		
1	Executive Engineer in charge of MSCL.	10011		T the Street of	-
-	Supplying, Erection and testing of 2.7m (minimum) 1	L	No	29700.00	
	height decorative cast iron pole with CI embellishment	d di	performance and		
	duly welded. The bottom CI portion should have	2.37	(in) grinnle		
	round mounting base of not more than 250mm dia.		fide nellipton		
	The top portion should not be less than 90mm dia.	gak!	Sidens may		
1.71	The top portion should not be less than some the	5-9-F	the stream street		
	Foundation bolts and Templates included. As per the		an rear the		
	detailed drawing and specification attached. The work		line in a	Area - A selections	
	shall be carried out as per the instructions of			to never and post	
	Executive Engineer in charge of MSCL	1000	Sqm		
3	Draviding and fixing of good quality Karkala granice		John	. Cereba ase	
	stope with minimum 3 line dressing of thickness and			La telle som	
	cizos as shown in drawing using cement mortar and			and the state of the state of the	
	finished with sandhlasting before handover. As per		No. Contraction	Constitution and	
	the detailed drawing and specification attached. The			Set Constitution	
	east shall include removal of existing tree planter box,				
	dolivery of materials to site, handling, labour,				
	construction of additional masonry / Tilling IOI				
	foundation and support for carved granite stone as			A Charles State	
	required at site as per instructions of Executive				
	Engineer incharge of MSCL Sandplasting and cleaning	1			
	at aviating granite stone masonry of temple tree				
	planter box, steps and carvings as per instructions of			a second black	
	Executive Engineer incharge of MSCL.			0.000	
	3 line dressed karkala stone work		Sqm	36612.00	
	Elephant Stone and Steps		Complete		-
1	Flooring	1	Sqm	3600.00	
	Sand Blasting		Sqm	475.00	
0	Supply and fixing of class AA Mangalore roof tile (IS		and the	1 Martin 19	
9	654-1972 or as amended from time to time double		Section.	an south that	
	channelled flat tiles of the Mangalore pattern of			Later Sterner and	
	approved make). All tiles must be thoroughly well			the second second	
	burnt throughout of regular shape and uniform size				
	sharp, even and free from winds, cracks, laminations,		Surray Ve	m a contra site	
- Shi	bends and flaws. The roofing tiles shall also be free		Part and		
-	from impurities like particles of stone, lime or other	r		C. Service Prover	
	foreign materials visible to naked eye either on the	2	Sector Sector	and server with the	
1.21	foreign materials visible to haked eye either of	2		Salar Carrier	
	surface or on the fractured face of the tile obtained	2			
	They must be approved colour (deep red) and ring	r			
-	clearly when struck. Tiles shall be of uniform colour clearly when struck.		Part Part		
	and shall not absorb more than 16% of their dry	Y	64 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	State of the second	
	woight when soaked in water for full 24 hours.	1	Sqm	362.00	
	A. Mangalore Single Groove Roofing tile - 16" x 9"			377.00	
	B. Clay Ceiling Tiles - 12.75" x 9.25 "	1	Sqm	511.00	

	C Mangalara tile with glass - Skylight Tiles - 16" x 9"	1	Sqm	1356.00
	C. Mangalore tile with glass - Skylight Tiles - 16" x 9" M.S. BOLLARDS - FIXED BOLLARDS :Fabricating , Supplying and fixing of M.S.Circular Bollards of 750 mm height above ground and 200mm dia, 10 Gauge with steel pedestal & steel cap as per designs given by the "Architect including cutting, welding, riveting, polishing. The foundation shall be with base plate of 275x275x6mm thk and embedding pipe in foundation of 1:2:4 concrete as shown in drawing . The assembly shall be treated with Rusticised solution of approved company & applied with two coats of epoxy painting over one coat of epoxy primer to resist rusting of material (the treatment shall be given as per Manufacture's specifications and certificate to that	1	Sqm No	4350.00
	effect shall be submitted along with Guarantee Certificate). As per the detailed drawing and specification attached. The work shall be carried out as	and the second		
11	per the instructions of Executive Engineer, MSCL. M.S. BOLLARDS - REMOVABLE BOLLARDS : Fabricating , Supplying , fixing of M.S.Circular Bollards of 750 mm height above ground and 200mm dia, 10 Gauge with steel pedestal ,275x275x6mm thk base plate(provision for fixing bolts to foundation base plate) & steel cap as per designs given by the Architect including cutting welding, riveting, polishing. The foundation shall with base plate of 275x275x6mm thk with 20mm Diax6 non- holdfasts embedded in 1:2:4 concrete as shown in drawing , and provided with 4 Nos. 16 mm dia J Bolt for fixing bollards .The assembly shall be treated with Rusticised solution of approved company & applie with two coats of epoxy painting over one coat of epoxy primer (the treatment shall be given as per Manufacture's specifications and certificate to that effect shall be submitted along with Guarantee Certificate). As per the detailed drawing an specification attached.The work shall be carried out a	i 1 i i s n s n s h d d of er at ee ad	No	7575.00
12	per the instructions of Executive Engineer, MSCL. Fabricating, Supplying and fixing of Cast Iron gri with Stainless steel pipes of specified size (ma finish/brushed steel finish)frame as per design.Th ornamental grills made of Cast Iron of weight up 45kg/sqm shall be framed by Stainless steel frame 0.025 m diameter and 0.0127 m diameter circul sections as per design.The vertical and horizom frame supports should be made up of Stainless stee pipe sections for height 0.95 m above ground of 3 grade and have brushed steel finish. The horizon	to of lar tal eel 04	Rmt	11975.00

		1115		
	member of 50 mm dia 16 guage hollow pipe shall be welded to vertical hollow pipe of 50 mm dia 16 guage at intervals as marked in the drawing. The work includes providing two coats of enamel painting of approved colour over one coat of primer to the Cast Iron elements and shall include cost of all materials, fabrication, labour, painting, transportation , accessories charges as per specification and drawings given including fixing at site . The work shall be carried out as per the instructions of Executive Engineer, MSCL.			
13	Providing and fixing FRP Chamber covers of the following sizes			
	A) FRP Water Gully Covers with Frame 300x620mm clear width – 25T	1	No	4355.00
	B) FRP Recessed Covers 600 x 600 mm clear width - 2.5 T	1	No	7150.00
	C) FRP Recessed Covers 600 x 600 mm clear width - 25 T	1	No	14950.00
	D). FRP Square Chamber Cover 450 X 450 mm clear width - 2.5T	1	No	2145.00
	E) FRP Square Chamber Cover 450 X 450 mm clear width - 25T	1	No	4550.00
	F) FRP Rectangular Chamber Cover 600 x 900 mm clear width - 2.5T	1	No	5005.00
	G) FRP Rectangular Chamber Cover 600 x 900 mm clear width - 25T	1	No	10270.00
	H). FRP 900 Dia. Circular Cover - 25T	1	No	10725.00
14	Supplying of Wood Polymer Composite Hybrid board of minimum density 650 kg/cum having 18mm thickness and 200 mm height as eaves board as per the approved design using CNC cutting machine. The scope of work shall include the supply of material, cutting the board in CNC machine, necessary labour, accessories complete as per the specification and requirements as per the instructions of the Executive Engineer of incharge MSCL.	1	Sqm	4925.00

ಪ್ರಧಾನ ಪ್ಯವಸ್ಥಾಪಕರು, ತಾಂತ್ರಿಕ ಮಂಗಳೂರು ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಲಿಮಿಟೆಡ್.

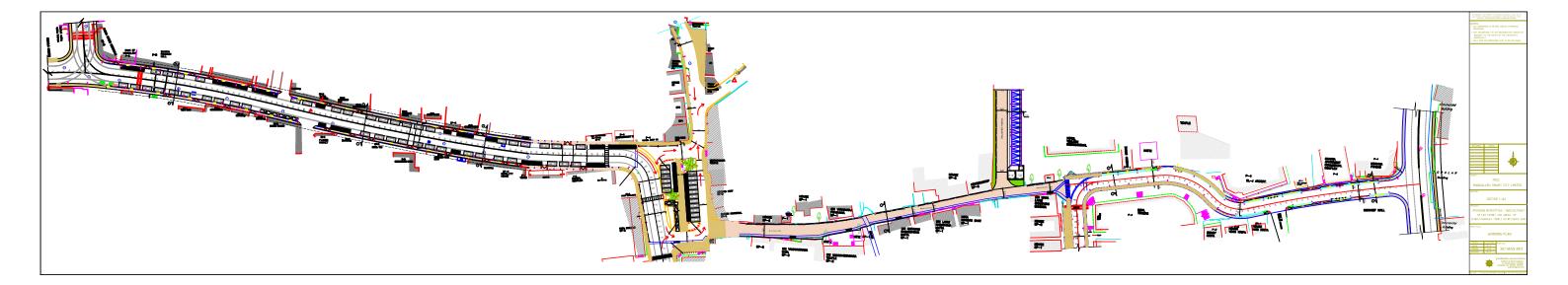
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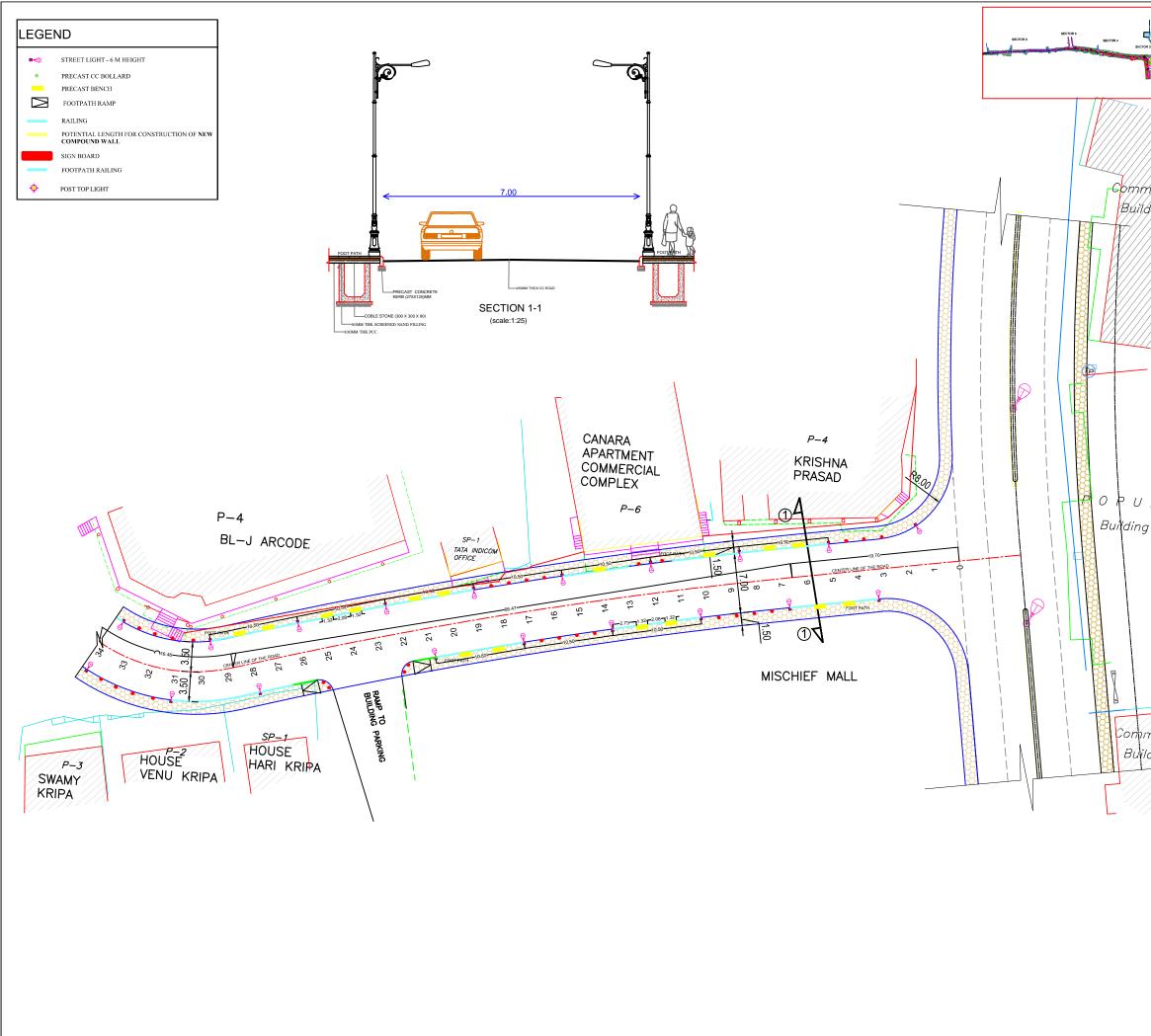
1) Expression of Interest ನಂತೆ, ಐಟಂವಾರು ಬಂದ ದರಗಳು ಮಂಗಳೂರು ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಲಿಮಿಟೆಡ್ ನ ಪ್ರಸ್ತಾವಿತ ಕಾಮಗಾರಿಗಳಿಗೆ ಮಾತ್ರ ಅನ್ವಯವಾಗುತ್ತದೆ. 2) ಸದ್ರಿ ಕಾಮಗಾರಿಗೆ ಈ ಮೇಲಿನ ಅನುಮೋದಿತ ವಿಶಿಷ್ಟ ವಿವರಣೆ ಮತ್ತು ದರಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ತಯಾರಿಸಿ ಸಕ್ಷಮ ಪ್ರಾಧಿಕಾರದಿಂದ ತಾಂತ್ರಿಕ ಹಾಗೂ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆಯನ್ನು ಪಡೆಯತಕ್ಕದ್ದು.

ಪ್ರತಿಯನ್ನು :

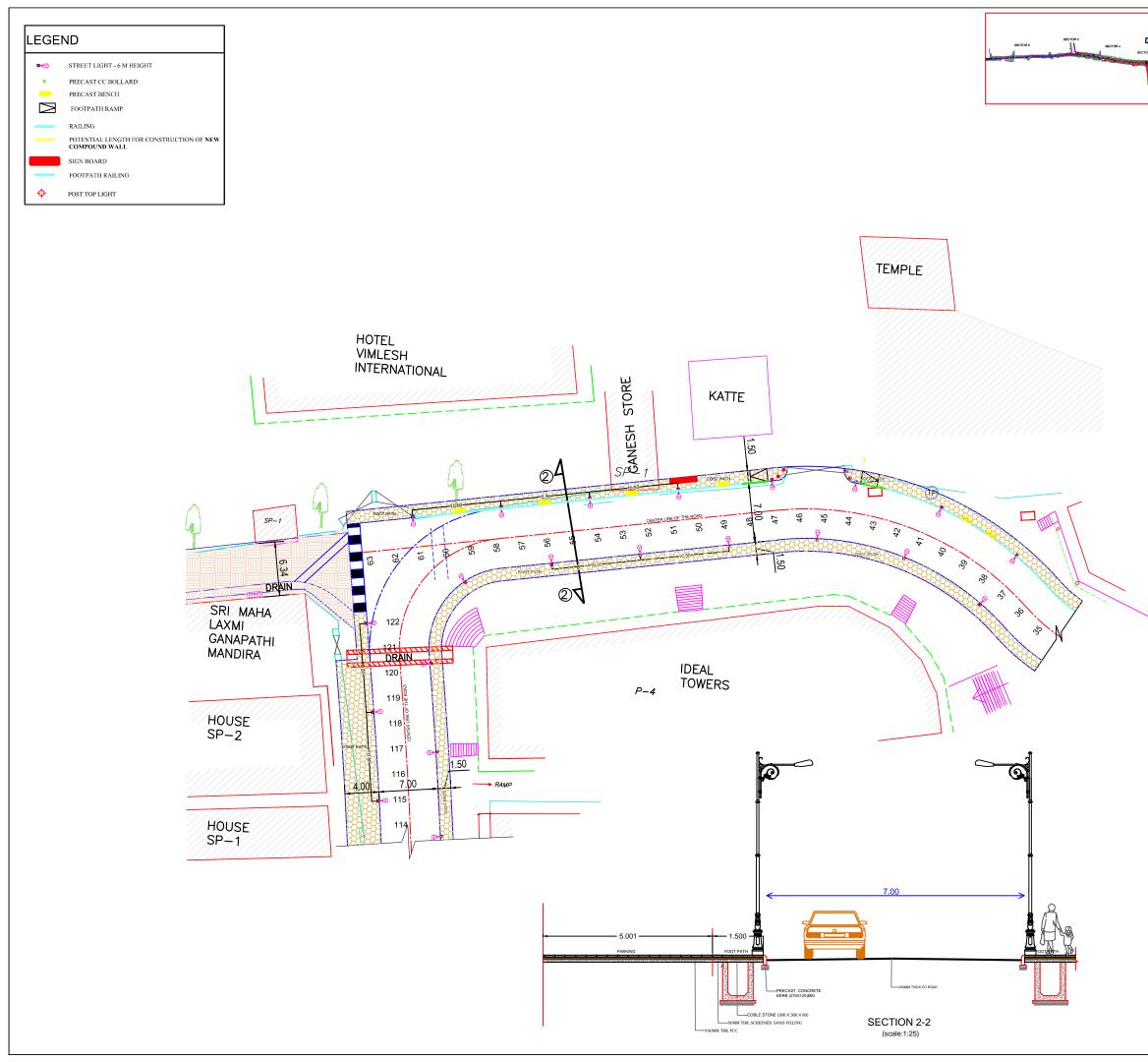
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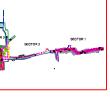
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಮಂಗಳೂರು ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಲಿಮಿಟೆಡ್, ಮಂಗಳೂರು.
 ) ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಮಂಗಳೂರು ಸ್ಮಾರ್ಟ್ ಸಿಟಿ ಲಿಮಿಟೆಡ್, ಮಂಗಳೂರು.





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architects & interior designers		SCALE DRAWN	N.T.S V.K.S M.V.P	





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MSCL

### MANGALURU SMART CITY LIMITED

SECTOR 1 (B)

PROPOSED RETROFITTING / REDEVELOPMENT OF CAR STREET AND AREAS OF

VENKATARAMANA TEMPLE AS RELIGIOUS ZONE

WORKING PLAN

SC-1(b):002

pailands associates architects & interior designers #1, temple square, carstreet mangalore. ph- 2495651, 2496539 pailands@gmail.com

17-08-2020 DWG. NO

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M.V.P

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PROJECT

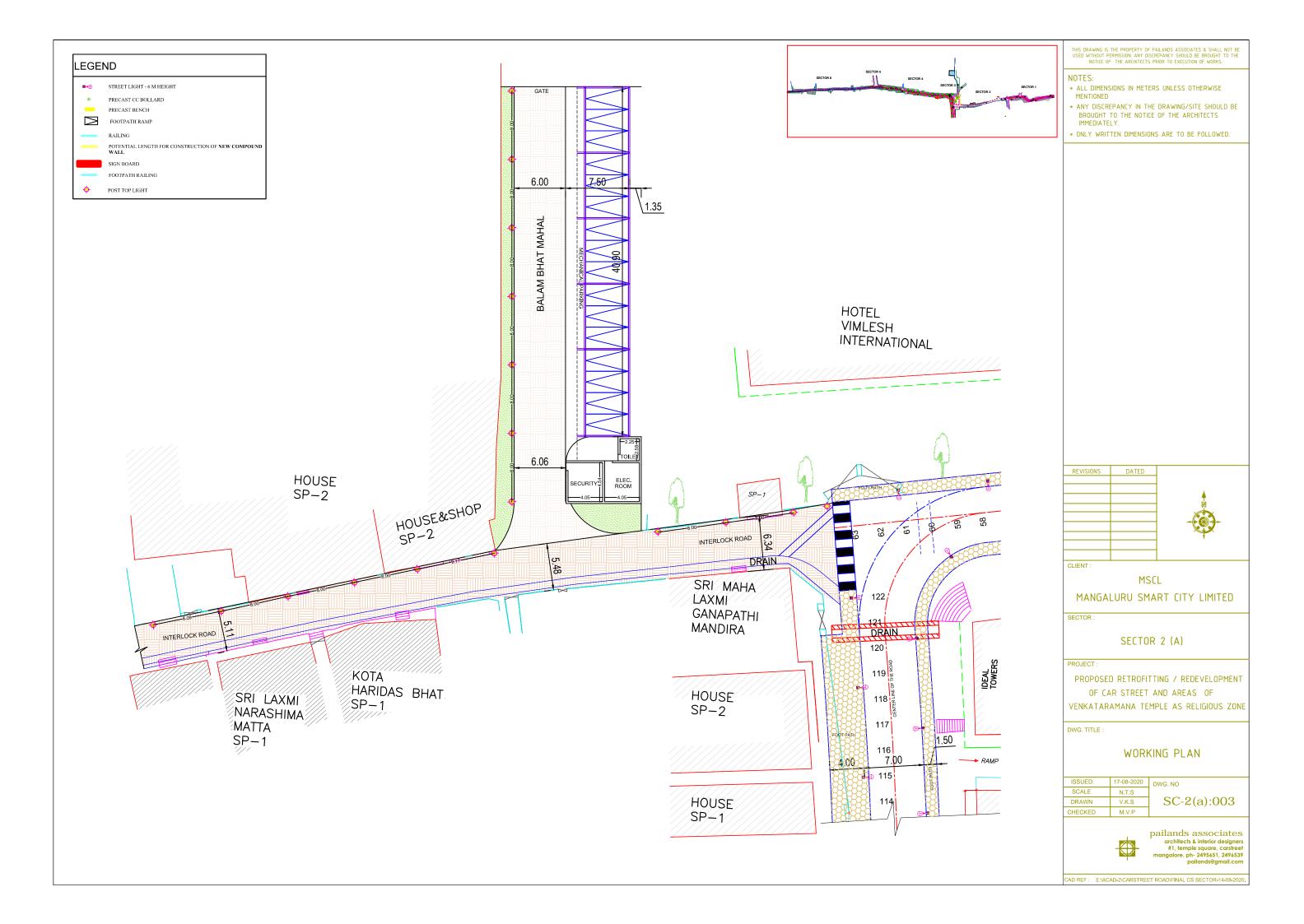
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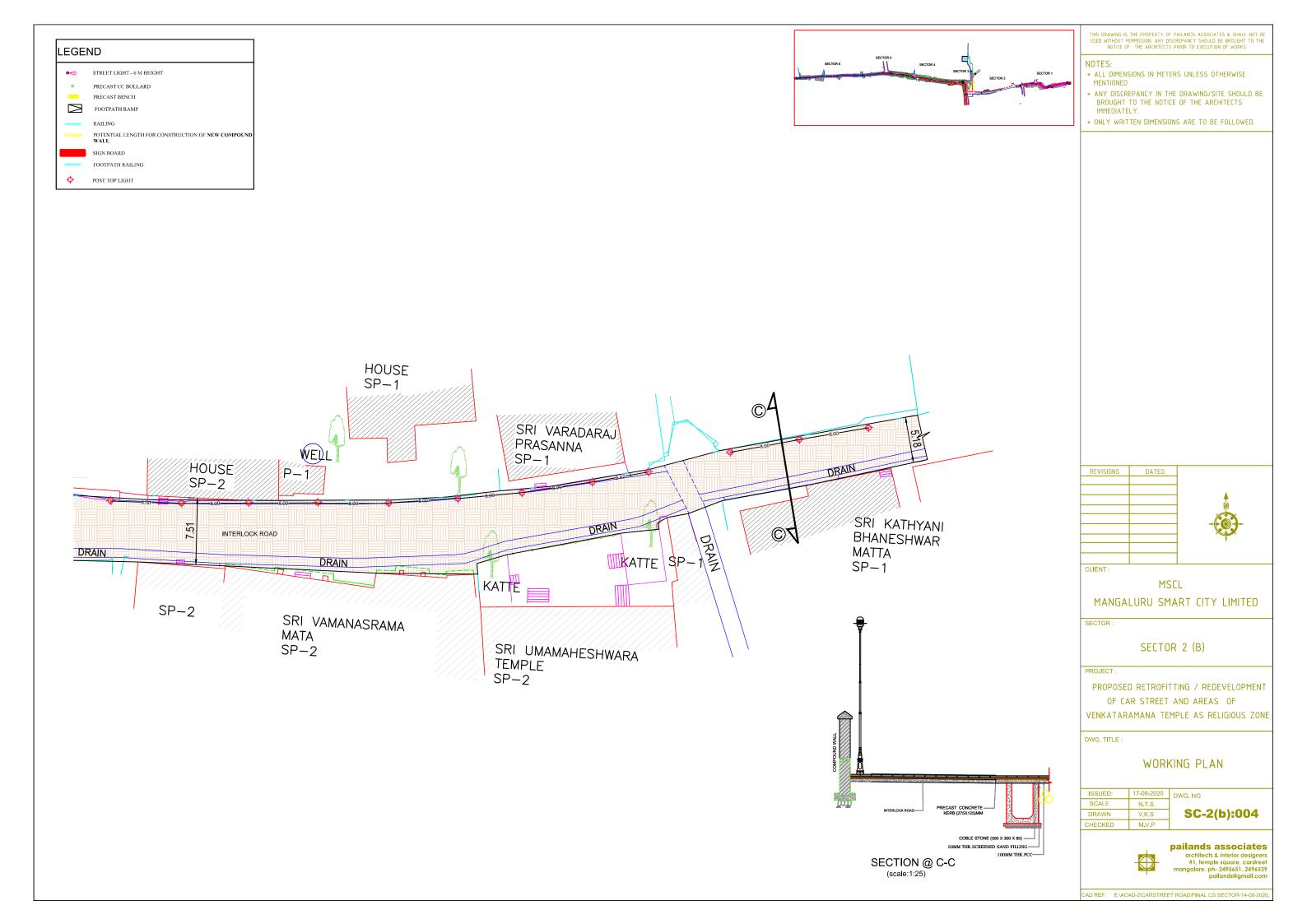
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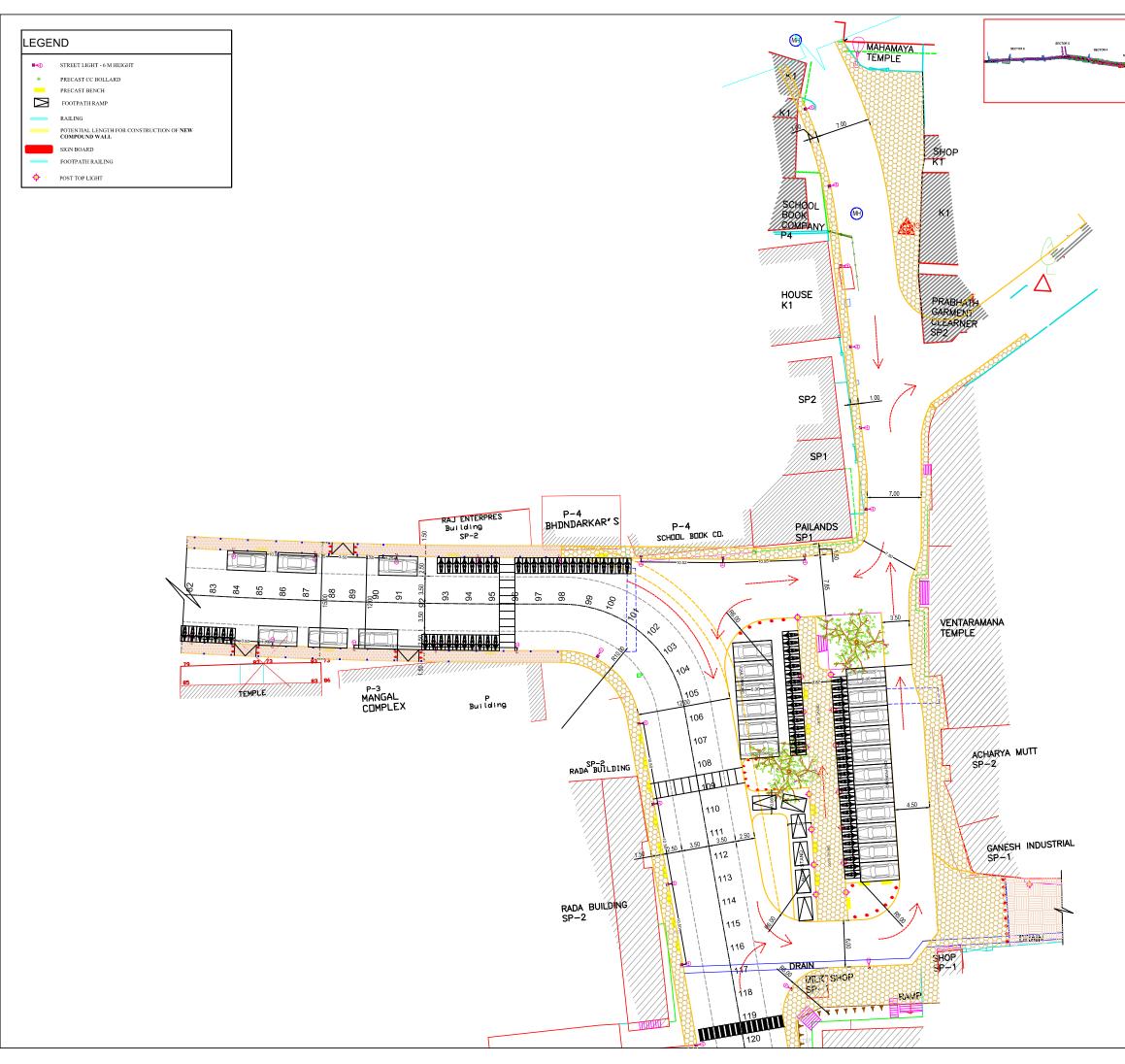
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#### MANGALURU SMART CITY LIMITED

PROPOSED RETROFITTING / REDEVELOPMENT

WORKING PLAN

DWG. NO

SC-3(a):005

pailands associates

architects & interior designers #1, temple square, carstreet mangalore. ph- 2495651, 2496539

pailands@amail.cor

OF CAR STREET AND AREAS OF VENKATARAMANA TEMPLE AS RELIGIOUS ZONE

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V.K.S

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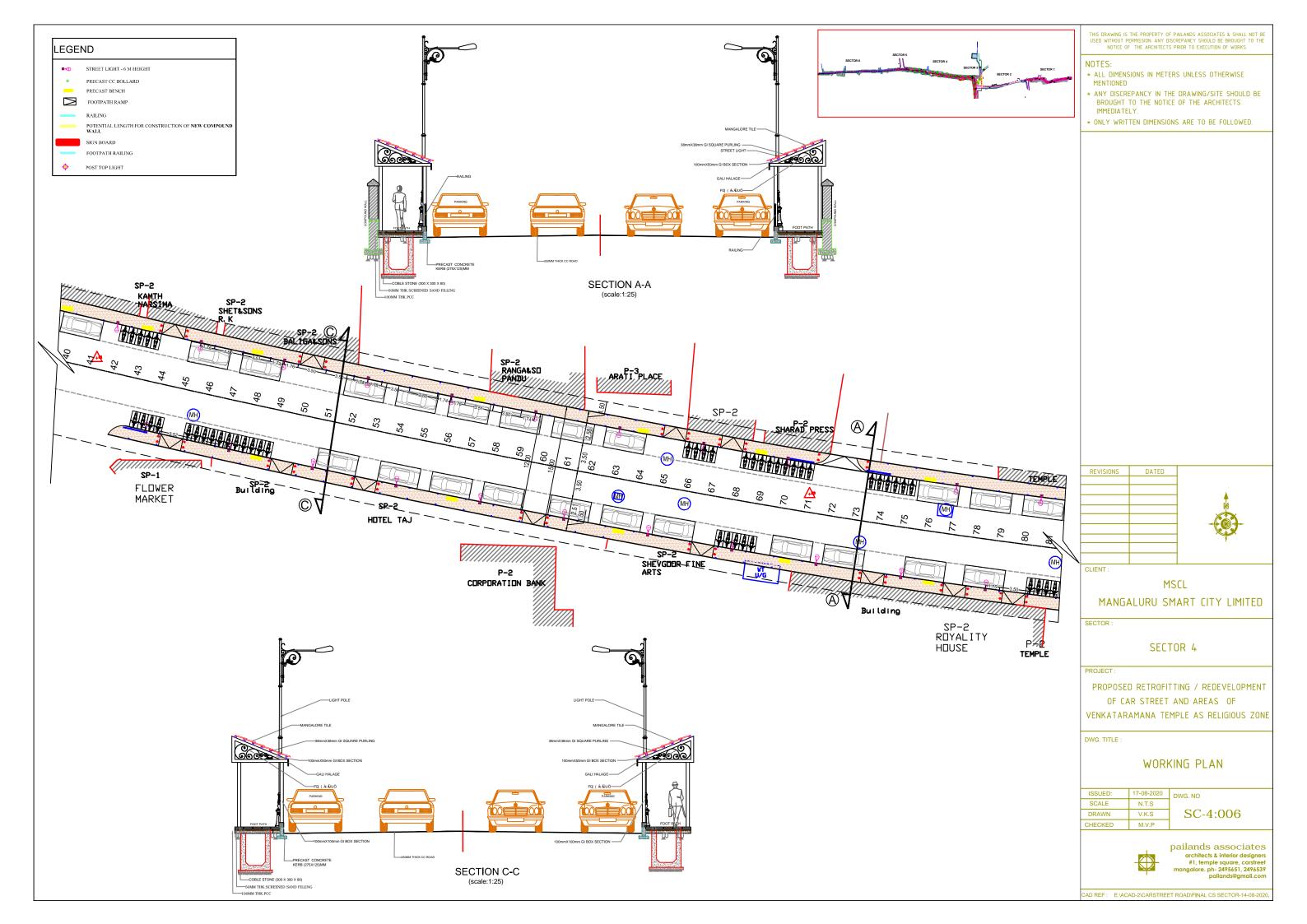
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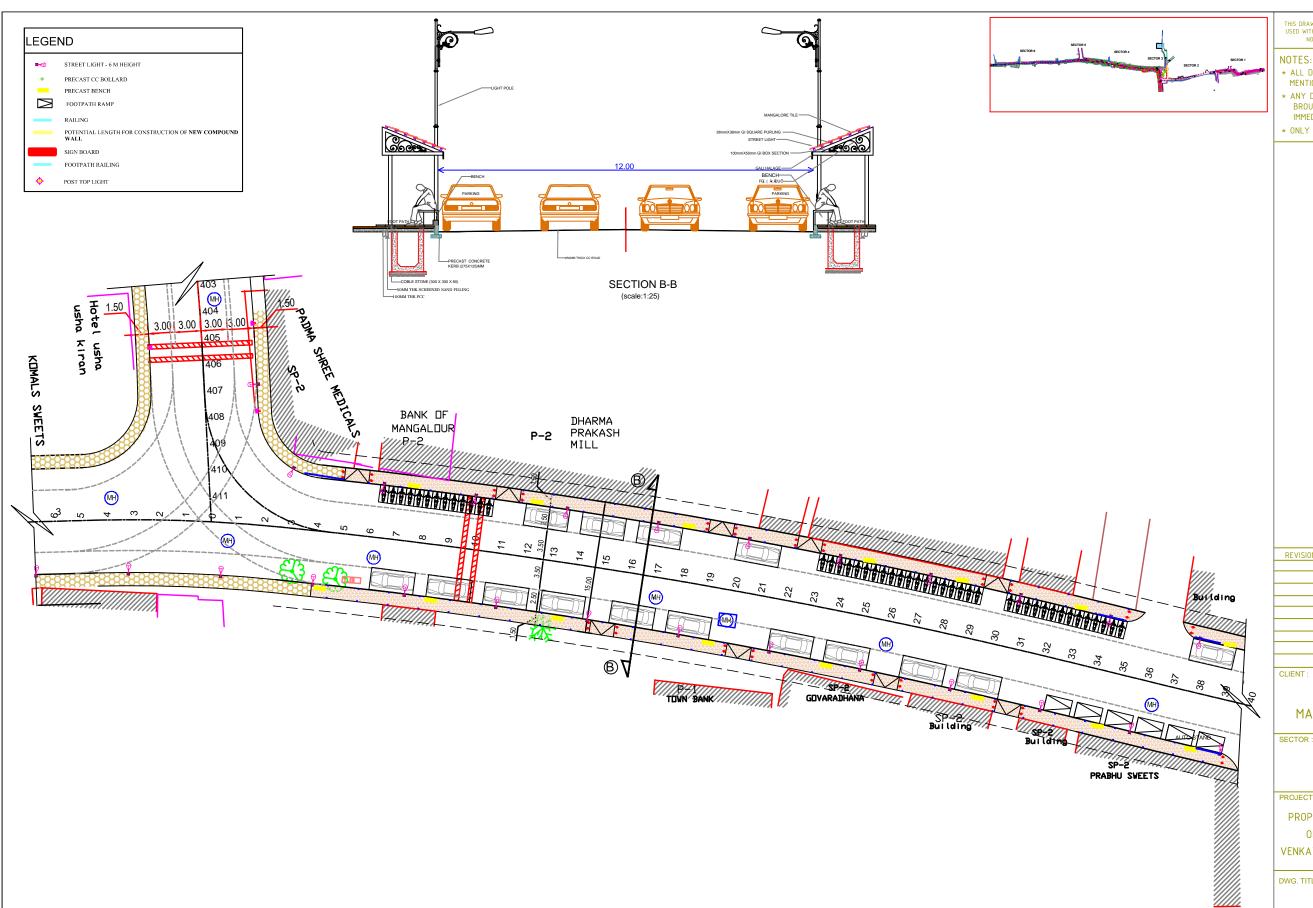
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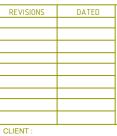




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#### MSCL

MANGALURU SMART CITY LIMITED

#### SECTOR 5

ISSUED:

PROJECT OF CAR STREET AND AREAS OF

PROPOSED RETROFITTING / REDEVELOPMENT

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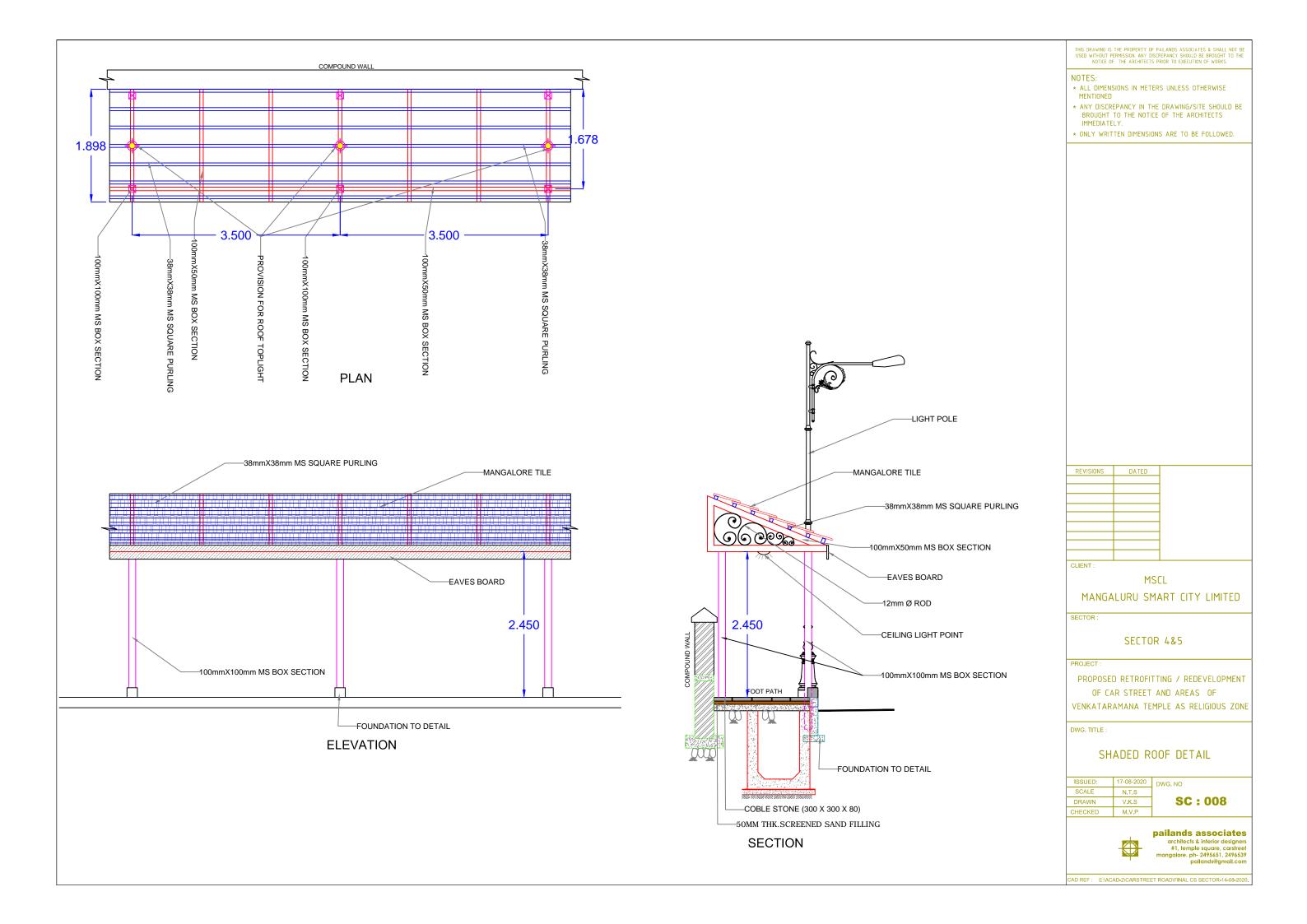
VENKATARAMANA TEMPLE AS RELIGIOUS ZONE

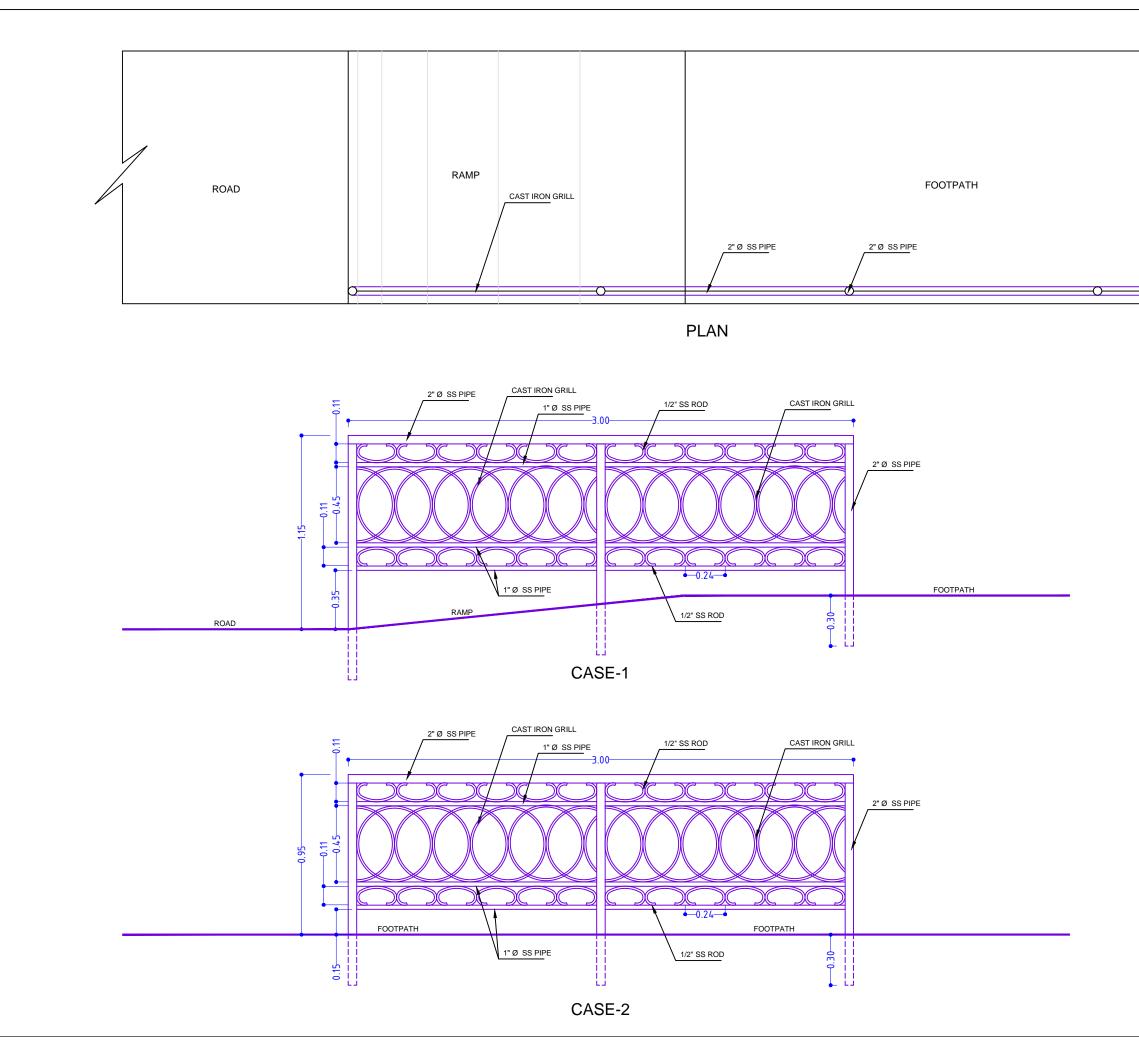
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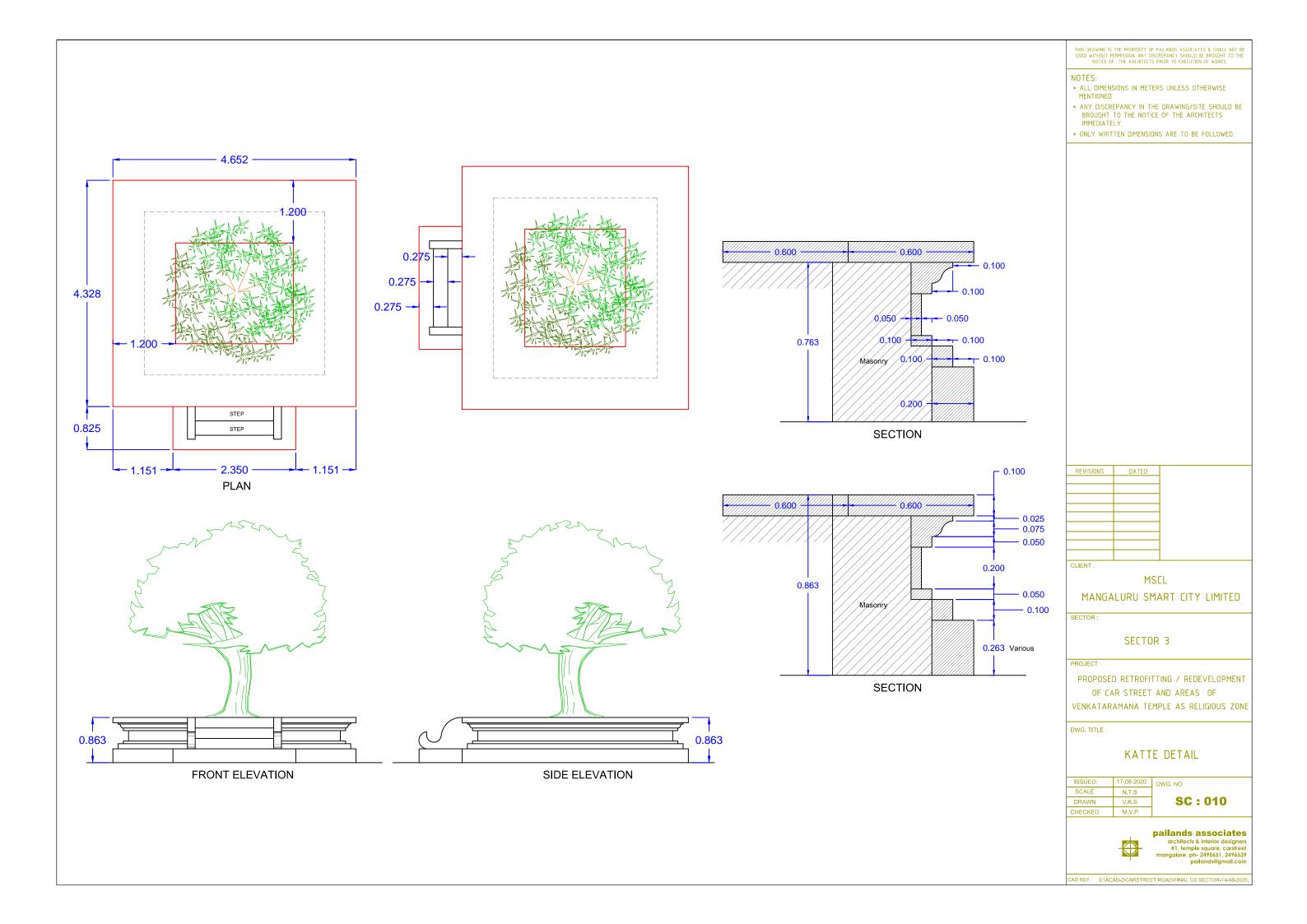
pailands associates architects & interior designers #1, temple square, carstreet mangalore. ph- 2495651, 2496539 pailands@amail.con

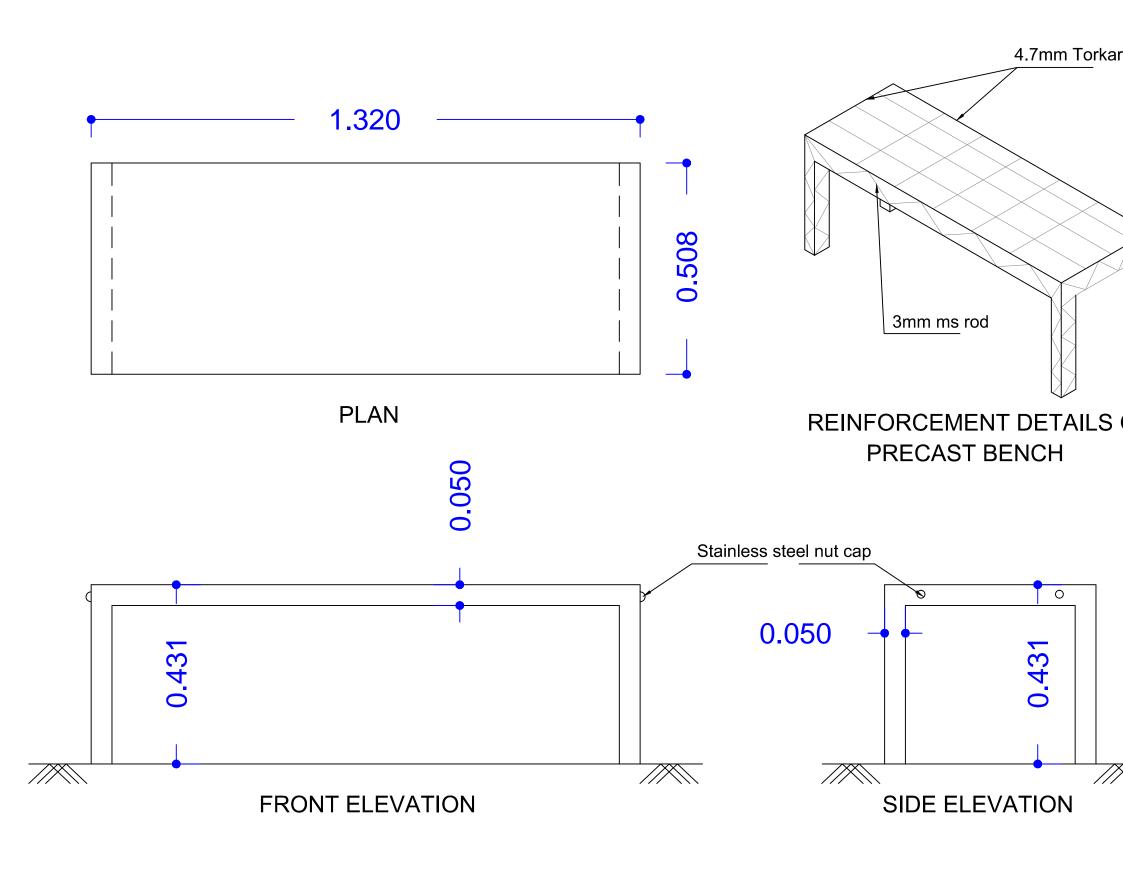
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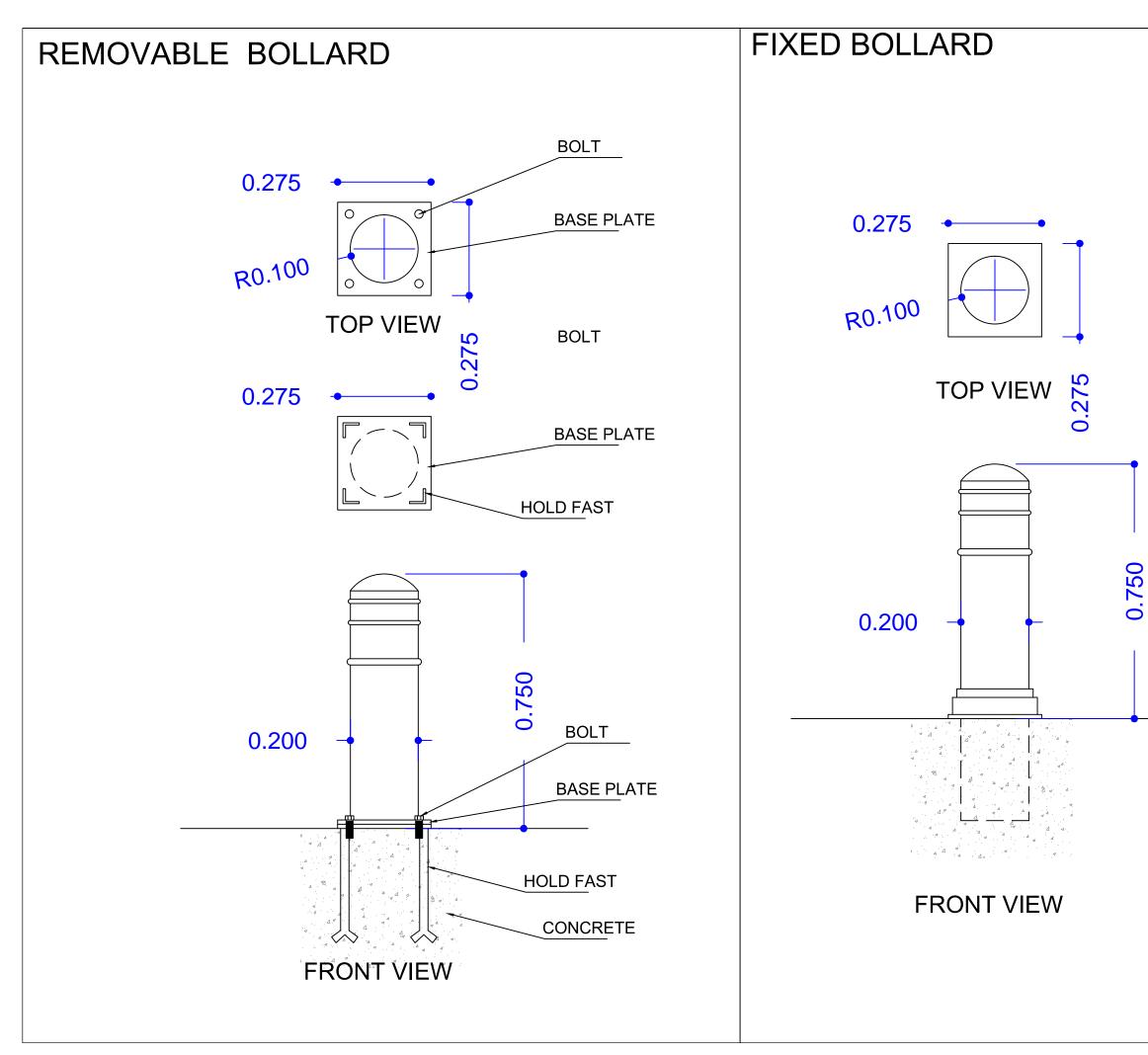


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SECTOR :
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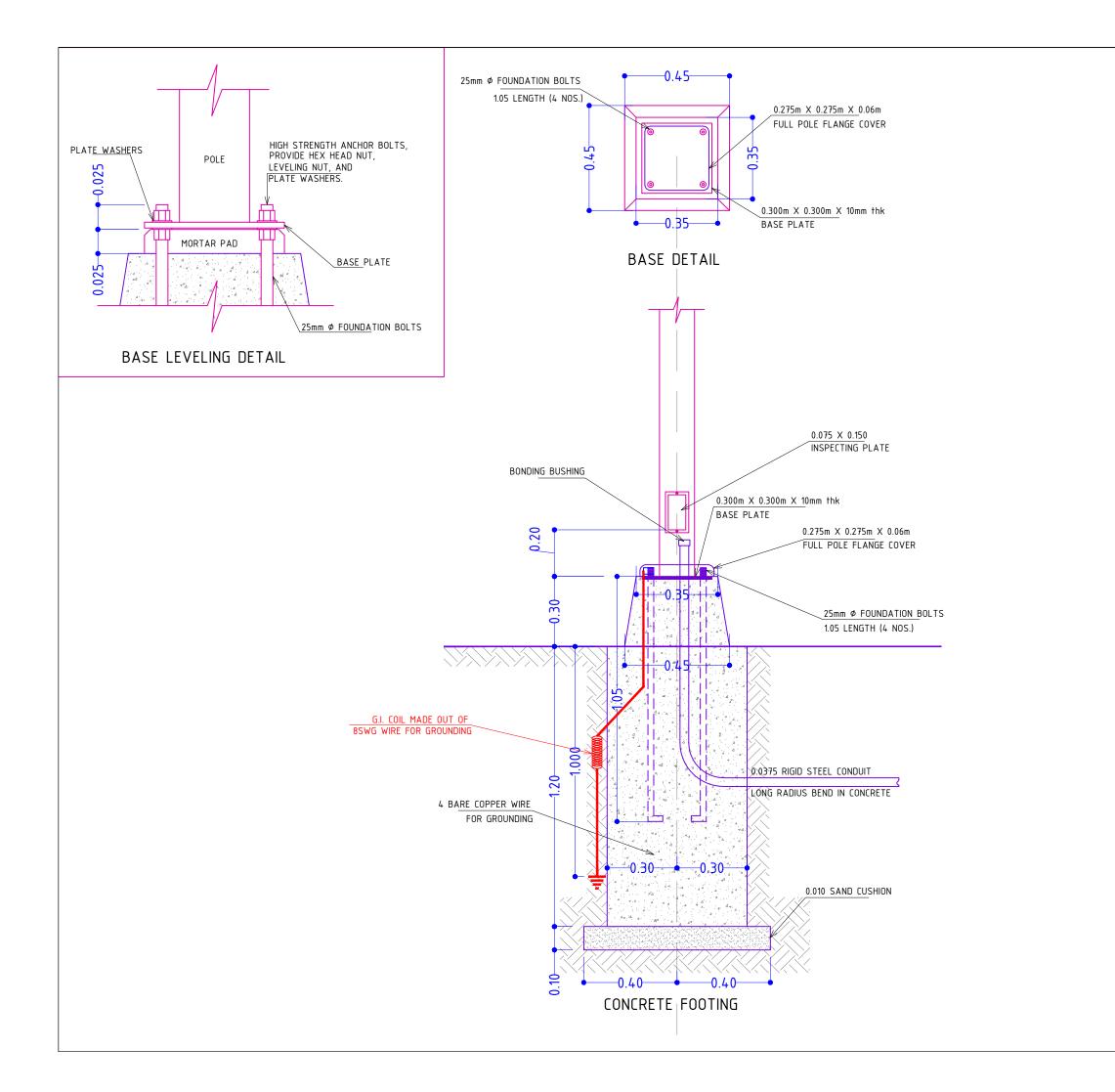




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