

## MUNICIPAL CORPORATION BHILAI (C.G.)


NIT


**Name of work :-** वार्ड कं. 59 सेक्टर 05 सड़क 08 से लेकर सड़क 21 तक स्मार्ट सड़क निर्माण कार्य।

As per Building sor 01-01-2015/Road sor 01-01-2015 &amp; Elec SOR 2020

S.N o.	Description and details of work	Qty.	unit
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils.	91.5	cum
2	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	61	cum
3	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks	610.00	SQM
4	Manufacturing, supply & fixing of precast kerb stone of size 400mmx259mmx200mm thick made of M-20 concrete rectangular in shape with one corner chamfered by 100 mm x 100 mm as approved design i/c cost of all material, labour and curing etc. complete.	1850.00	nos
5	Retro- reflectorized Traffic signs (Providing and fixing of retroreflectorized cautionary, mandatory and informatory sign as per IRC:67-2012 made of Micro prismatic grade type reflective sheeting vide clause 801.3, fixed over aluminum sheeting, 1.5 mm thick supported on a mild steel frame of size 40 x 40 x 5 mm and mild steel angle iron post 75 mm x75 mm x 6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45cm x 60cm, 60 cm below ground level as per approved drawing) 60 cm equilateral triangle	40.00	m
6	Painting Lines, Dashes, Arrows etc on Roads in Two Coats on New Work (Painting lines, dashes, arrows etc on roads in two coats on new work with ready mixed road marking paint conforming to IS:164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control ) Up to 10 cm in width	3	m
7	The Median Marker shall be made of tough, high impact resistant, injection-molded, thermoplastic body with an isosceles trapezoidal structure of length, width and height not less than 15cm, 10cm and 10cm respectively and thickness not less than 1.8mm. The logo of the manufacturer shall be embossed on either side of the body. The Median Marker shall have fluorescent yellow color retro-reflective sheeting, with fully reflective micro prismatic cube corners as its retro-reflective elements and meets IRC 67-2010 type XI specifications, of size not less than 3.5"x 3.5" on both sides of the body. The edges of this retro-reflective sheeting shall be protected in such a way that they are not exposed. Median Marker shall be fixed by a combination of epoxy adhesive and grouting.	70	

8	Supplying, installation, testing and commissioning of following LED Rope light complete as per specification and IP65, P.F. should be greater than 0.75 9 Watt per Metre White / Warm White	120	m
9	Tree Guard with MS Angle Iron and Steel Wire (Providing and fixing tree guard 0.60 meter square, 2.00 meter high fabricated with MS angle iron 30 x 30 x 3 mm, MS iron 25 x 3 mm at 100mm centre to centre and steel wire 3 mm dia. welded and fabricated as per design in two halves bolted together, fixed in ground with P.C.C M-10 of dimensions 150x150x200mm.)	15	nos
10	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	150	sqm
11	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)	9	cum
12	Providing and planting of plumeria (Champa) 2"0" to 3"0" heighted plants with 1"0" x 1"0" x 1"6" depth pit formation and soil preparation work's, (Mixing organic manure and plant's protection insecticide). Up to 4 month maintenance.	20	nos
13	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:4 (1 cement : 4 fine sand)	9	sqm
14	Planting Permanent Hedges including Digging of Trenches (Planting permanent hedges including digging of trenches, 60 cm wide and 45 cm deep, refilling the excavated earth mixed with farmyard manure, supplied at the rate of 4.65 cum per 100 meters and supplying and planting hedge plants at 30 cm apart.)	104	m
15	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	9	cum
16	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	27	sqm

  
**Asstt. Engineer**  
**Municipal Corporation**  
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**Sub Engineer**  
**Municipal Corporation**  
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