

MUNICIPAL CORPORATION OF BHILAI

NIT

कार्य का नाम :- जोन 03 क्षेत्रांतर्गत राजराजेश्वरी मंदिर के समीप वेडिंग जोन निर्माण कार्य।


As Per PWD Building SOR 01.01.2015, Electrical SOr 1.8.2020

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	Demolishing cement concrete including disposal of material within 50 metre lead.1:3:6 or richer mix	20.00	Cum
2	Providing and laying design mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work.M-20 Grade	60.00	Cum
3	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 soil	201.60	Cum
4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	67.20	Cum
5	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	7.80	Cum
6	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.	67.20	Cum
7	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	672.00	Sqm
8	Carriage by mechanical transport upto 5 km lead:Earth	221.60	Cum
9	Supply of hot dip galvanized CONICAL POLEAs per BSEN ISO 1461 standard with minimum coating thickness of 75 micron. The galvanizing shall be done in single dipping. The pole shaft shall be made from 3 mm sheet steel conforming to BSEN10025 having yield strength of 355N/ Sq mm and silicon content less than 0.04%. The welding of pole shaft shall be done by Submerged Arc Welding (SAW) process. All Conical pole shafts shall be provided with the rigid flange plate manufacture from MSFE410 conforming to IS: 2062 of suitable thickness with provision for fixing 4 Nos 'J' type foundation bolts. The welding shall be done as per qualified MMAW process approved by Third Party Inspectionagency. The Conical Poles shall be designed to with stand the maximum wind speed as per IS875 part III.The top loading i.e. area and the weight of fixtures are to be considered to calculate maximum deflection of the pole and the same shall meet the requirement of BSEN 40-2- 1 &3.The Conical Poles shall have door of approximate 500 mm length at the elevation of 500 mm from the Base plate. The door shall be vandal resistance and shall be weather proof to ensure safety of inside connectionsSupply of 3 M Height Conical Pole diameter 75 mm at top 107 at bottom. Baseplate Size 200 x 200 x 12 mm foundation bolt 450 mm long Mx16 EN 8 grade	6.00	Each

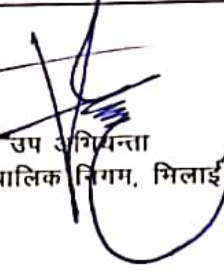
Applying fitting with gate column should be

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
10	Supplying and fixing of double over hang (Arm) 1000 MM (long)x50 mm dia decorative GI street light pole bracket made out of GI "A" Class pipe welded to 300 MM Long GI Pole canopy of suitable dia at angle of 102.50 Degree including having GI triangular stiffener and making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy including FRP Dome on existing pole etc. as per enclosed drawing and as per direction of engineer-in-charge.	6.00	Each
11	Supplying and fixing water tight terminal box made of 1.6mm thick M.S. sheet with detachable gland plate in bottom, hinged front open able cover, rubber gasket, having 1 Nos 4way connector and 1 No SPMCB inside the box for cable connection, fixed to pole with 2 Nos clamp made from 40x3mm M.S. flat with 2 No nut bolt dully painted with 2 coat of red oxide paint and 2 coat aluminium paint complete as per specification. 30 x 20 x 15 cms	6.00	Each
12	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification. 3 X 25 sq. mm (25 mm	24.00	Each
13	Supply & fixing & cramping suitable size & all type aluminum ferule/lugs for following size 1.1 KV grade power cable core/lead pressed with high pressure cramping tool including connection to switch gear/MCCB etc as required 25 sq.mm. Item - 17.28.4	24.00	Each
14	Supplying and fixing G.I. pipe along with wall or pole/ support with 2 Nos MS clamps for protection of under ground cable in approved manner including bolts and nuts or metal dash fasteners complete as per specification. 40 mm dia	240.00	Meter
15	Painting new steel and other metallic surface with red oxide zinc chromide primer paint complete with supply of material labour etc. including preparation of surface	22.80	Sqm
16	Painting wood steel and other metallic surface with Aluminium Paint complete with material and labour including preparation of surface.	22.80	Sqm
17	Providing and laying Cast-in-situ cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm including mixing with mechanical mixer, compacting with vibrator, finishing and currying etc. complete but excluding form work.	1.50	Cum
18	Providing timber / steel form work for cement concrete work at all levels including removing of the same.	16.98	Sqm
19	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	6.00	Set
20	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, multi strand wire in the existing surface/ concealed, FRLS PVC conduit / PVC casing capping as per specification and IS: 694 (2010) . 3 x 2.50 sq.mm	24.00	Sqm
21	Providing and fixing porcelain re-wireble fuse carrier and base unit on wooden board including drilling holes on the board, screws, connections etc. as per specification. (Thimbeling shall be paid separately). 32 amps	6.00	Each

N.	PARTICULERS OF ITEMS	Quantity	UOM
22	Supplying, installation, testing and commissioning of following 230/250 volts LED Post Top Lantern fitting with perplex cover/decorative diffuser, electronic ballast and all other accessories on existing gate column/ pole bracket, including connection, earthing etc complete as per specification and P.F. should be greater than 0.9 . LED chip efficacy ratio \geq 100 lumens /watt. 45 watt	12.00	Each
23	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 2 x 16 sq. mm	228.00	Meter


 कार्यपालन अभियन्ता
 नगर पालिक निगम, गिलाई


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