

# MUNICIPAL CORPORATION OF BHILAI

## NIT

कार्य का नाम :- जोन 03 क्षेत्रांतर्गत पावर हाउस चौक ओवरब्रिज के नीचे वैंडर्स मार्केट निर्माण कार्य।

PWD Building SOR 1.1.2015 & Electrical SOR 1.6.2020

S.N	PARTICULERS OF ITEMS	Quantity	UOM
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.	4.26	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.	76.4	Cum
3	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. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	91.68	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	18.64	Cum
5	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	805.50	
6	Supply Of Swaged steel tubular Pole as per IS 2713 with base plate of size 300 x 3000 x 6 mm welded at bottom specified height including painting with one coat of red oxide zinc chromate primer. Designation 410 SP-26 height 9.00 metre	2.00	Each
7	Erection of STEEL TUBULAR or "H" BEAM/ ISMB pole in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation and cement concrete collar of size 0.4 metre dia and 0.50 metre height from ground level including excavation and refilling etc. as per specification of length: 7 metre to 10 metre	2.00	Each
8	Supply & fixing water tight terminal box made of 1.6 mm thick M S Sheet with detachable gland plate in bottom ----. 4 way connector & 1 No. SPMCB inside the box for cable connection fixed to pole with 2 Nos. Clamp made from 40 x 3 mm MS flat with 2 Nos. nut bolts dully painted with 2 coat red oxide paint & 2 coat aluminum paint complete as required 30 x 20 x 15 cms	2.00	Each
9	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)	8.00	Each

10	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	8.00	Each
11	Supply & Fixing GI Pipe Along With wall or pole/support with 2 nos. MS clamp for protection of underground cable in approved manner including bolts & nuts or metal dash fasteners complete as required 40 mm dia	50.00	Meter
12	Painting new steel & other metallic surface with red oxide zinc chromate primer paint complete with supply of material labour etc including preparation of surface.	12.60	Sqm
13	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as required. Double Over Hang 1.50 metre Long	4.00	Each
14	Painting wood steel & other metallic surface with aluminum paint complete with material & labour including preparation of surface	12.60	Sqm
15	Providing & Laying Cast In situ Cement Concrete 1:3:6 graded stone aggregate 40 mm nominal size foundation including mixing with mechanical mixer compacting with vibrator finishing & currying etc complete but excluding formwork.	0.50	Cum
16	Providing timber steel formwork for cement concrete work at all levels including removing of the same.	1.70	Sqm
17	Earthing with G.I. earth pipe 4.5 m long 40 mm dia including accessories & providing masonry enclosure with cover plate having locking arrangement watering pipe etc (But without charcoal & salt ) as required.	2.00	Set
18	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)	36.00	Sqm
19	Providing & Fixing porcelain rewirable fuse carrire---- ----- as required 32 amp	8.00	Each
20	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio $\geq$ 120 lumens /watt.45 watt	14	Each
21	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. 2 x 16 sq. mm	50.00	Meter



कार्यपालन अभियन्ता  
नगर पालिक निगम, भिलाई



सहायक अभियन्ता  
नगर पालिक निगम, भिलाई



उप अभियन्ता  
नगर पालिक निगम, भिलाई