

# MUNICIPAL CORPORATION OF BHILAI


## NIT


वार्ड-51, तेल्हा नाला बस्ती के समीप दुसरे भाग में पचरी निर्माण एवं प्रकाश व्यवस्था कार्य।


As Per PWD Electrical SOR 01.06.2020 & Building SOR 01.01.2015

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	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-68 height 13.00 metre	2	Each
2	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: 13 metre to 14 metre	2	Each
3	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	Each
4	Supply & Making end termination with brass compression gland & aluminum lugs for following size armored aluminum conductor power cable of 1.1 KV grade as required 3 x 25 sq.mm	14	Each
5	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.	14	Each
6	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	65.00	Meter
7	Painting new steel & other metallic surface with red oxide zinc chromate primer paint complete with supply of material labour etc including preparation of surface.	16.33	Sqm
8	Painting wood steel & other metallic surface with aluminum paint complete with material & labour including preparation of surface	16.53	Sqm
9	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.	0.51	Cum
10	Providing timber steel formwork for cement concrete work at all levels including removing of the same.	1.70	Sqm
11	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	Set
12	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	52.00	Metre
13	Providing and fixing porcelain re-wireable 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 amp	8	Each
14	Supplying of following 230/250 volts LED Flood 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, Seperate housing for driver etc complete as per specification and P.A. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt. 400 watt	6	Each
15	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	190.00	Meter

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
16	<u>As Per PWD Building SOR 01.01.2015</u> Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. Electric resistance or induction butt welded tubes Grade-250	31.92	Kg
17	Excavation for all types and size of foundation, trenches and drains or for any other purpose ----- lift and lead upto 50m including dressing and leveling of pits.	27.00	Cum
18	Providing and laying mechanically mixed cement concrete with crushed stone aggregate excluding cost of centering and shuttering 1:4:8	13.50	Cum
19	Providing and fixing form work including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	27.00	Sqm
20	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).	27.00	Cum
21	Chequered precast cement concrete tiles 22mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tile including cleaning of joint etc complete on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) : Dark shade using ordinary cement	117.00	Sqm
22	Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications.( For Village roads) P.C.C. M-25	19.80	Cum

  
Executive Engineer  
Municipal Corporation  
Bhilai

  
Assistant Engineer  
Municipal Corporation  
Bhilai

  
Sub Engineer  
Municipal Corporation  
Bhilai