

# MUNICIPAL CORPORATION, BHILAI NIT

कार्य का नाम :- वार्ड 55 सेक्टर 02 में पेपर स्टाल लगाने का कार्य।

(As per P.W.D building S.O.R W.E.F01.01.2015 and electrical s.o.r 1.6.2020)

S.No.	Details Of Item	Qty.	Unit
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated shuts up to 1.5 m m lift and lead upto 50m(at least 5m away from the the excavated area) including dressing and leveling of pits. In all types of soils.	16.756	Cum
2	Providing & laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation plinth and at ground level excluding cost of form work 1:4:8 (1 cement: 4 concrete sand: 8 graded stone aggregate 40mm nominal size)	2.948	cum.
3	Providing and fixing form work including centring, 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.	37.4	Sqm.
4	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ).	8.00	Sqm.
5	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work. 1:1½:3 (1 cement: 1½ coarse sand: 3 graded stone aggregate 20mm nominal size).	9.17	cum
6	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:	917	kg.
7	Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. parallel flange channel MCP 100	230	kg.
8	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer.	0.36 kg.	kg.
9	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. K	1848	k g.
10	Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	42.4	Kg.
11	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.	17.77	cum
12	15mm thick Marble stone slab flooring over 18mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including grinding rubbing and polishing etc. complete. (Area of slab should be 0.50 sqm and above) Wonder marble.	88.84	Sqm.
13	Providing & Fixing in Position G.I. Chain link fencing 50mm x 50mm x 8 gauge to concrete, stone, angle iron posts (straight of diagonal including securing and screwing with G.I. tying wire, G.I. staples, G.I. U-nails or steel pins etc. Complete with nut bolt tightening.	60	Sqm.

S.No.	Details Of Item	Qty.	Unit
14	Providing and fixing 4.5mm thick hard board sheet ceiling of approved quality with necessary nails etc., complete (Frame work to be paid separately).Design boards.	90.44	Sqm
15	Supply of swaged steel tubular pole as per IS 2713 with base plate of size 300x300x6mm welded at bottom, necessary hole for cable entry and earthing stud welded at specified height including painting with one coat of red oxide zinc chromate primer;Designation 410 SP-8 height 7.50 metre	2	Each
16	Supply and fixing of 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 150x150x5 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 requiredSingle Over Hang 0.75 metre Long	2	Each
17	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 required of length: 5.0 metre to 6.5 metre	2	Each
18	Painting of following height steel tubular poles with two coat of approved colour and shade synthetic enamel paint including cleaning the surface as required:Above 6 metre and upto 10 metre	2	Each
19	Supplying and fixing TP&N MCB, 440 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 amps	2	Each
20	Supplying and laying HDPE pipe of 4kg/sqcm in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as required. 63 mm outer dia	30	metre
21	Supplying and hanging following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade on GI bearer wire (binded at every metre) including cost of bearer wire complete as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 4 x 10 sq. mm. on 8 SWG GI bearer wire	30	metre
22	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 required.4 x 10 sq. mm. on 8 SWG GI bearer wire	2	set
23	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.90 watt	3	Each

कार्यपालन अभियन्ता  
नगर पालिक निगम, मिलाई

सहायक अभियन्ता  
नगर पालिक निगम, मिलाई

उप अभियन्ता  
नगर पालिक निगम, मिलाई