

# MUNICIPAL CORPORATION BHILAI (C.G.)

## NIT


कार्य का नाम :- वार्ड-04 नेहरू नगर भेलवा तालाब के विद्युतीकरण का संधारण कार्य।


(As Per Electric Sor 01.06.2020 & Non Sor)

S.No.	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.	20.00	Cum
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: 7 metre to 10 metre	5.00	Each
3	Painting of following height steel tubular poles with two coat of approved colour and shade synthetic enamel paint including cleaning the surface as per specification: Above 8 metre and upto 10 metre	5.00	Each
4	Providing and laying nominal mix reinforced 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).	20.00	Cum
5	Supplying and fixing of 32mm dia x 2 metre long G.I pipe (light) bracket for mounting street light fittings of all types on poles including bending the pipe to the required shape, 2 Nos 40x3mm flat iron clamps with bolts and nuts including wiring with 1.5 sq. mm W.P /PVC wire etc. as per specification.	5.00	Each
6	Supplying and making OUTDOOR cable end jointing with heat shrinkable cable jointing kit including lugs and other jointing materials, for following size of 3 core, XLPE aluminum conductor cable of 11 KV grade as per specification: 50 sq. mm	5.00	Each
7	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)	5.00	Set
8	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). 3.5 x 95 sq. mm.	50.00	Metre
9	4 x 16 sq. mm.	200.00	Metre
10	Supplying and laying following sizes one number FRLS PVC insulated, PVC sheathed, steel armoured, copper conductor control /power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as per specification and IS: 694 (2010). 2 x 1.5 sq. mm	100.00	Metre
11	Providing and fixing metal clad, TP&N 415/500 volts, By Pass Switch Unit with sheet steel enclosure including drilling holes on the board, connections, earthing the body, testing and commissioning etc. as per specification. 200 amps	2.00	Each

S.No.	Description and details of work	Qty.	Unit
12	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 $\geq$ 120 lumens /watt. 200 watt	10.00	Each
	<b>NON SOR ITEM</b>		
1	Providing and fixing of tubler pole with transportation, labour charges and loading and unloading of the pole from the vehicle	5.00	Each

**Executive Engineer**  
Municipal Corporation  
Bhilai (C.G)

  
**Asstt. Engineer**  
Municipal Corporation  
Bhilai (C.G)

  
**Sub. Engineer**  
Municipal Corporatio  
Bhilai (C.G)