

# MUNICIPAL CORPORATION BHILAI (C.G.)

## NIT

कार्य का नाम :- जोन-01 नेहरू नगर अंतर्गत कोसानगर के गोठान में प्रकाश व्यवस्था हेतु द्यूबलर पोल लगाने का कार्य।


(As Per PWD Electric Sor 01.06.2020)

| S.No. | Description and details of work                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Qty.   | Unit  |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|
| 1     | 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.<br>Designation 410 SP-26 height 9.00 metre                                                                                                                                                                                                 | 40.00  | Nos   |
| 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                                                                                                                                                  | 40.00  | Nos   |
| 3     | 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. 30x20x15 cms.                                                  | 40.00  | Nos   |
| 4     | 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)                                                                                                                                                                                                                                                                                        | 80.00  | Nos   |
| 5     | Supplying & making & cramping suitable size & all type aluminum ferule/luge for following size 1.1 KV grade power cable core/ lead pressed with high pressure cramping tool including connection to swith gear/ MCCb etc                                                                                                                                                                                                                                                                            | 80.00  | Nos   |
| 6     | 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                                                                                                                                                                                                                                                              | 800.00 | Metre |
| 7     | 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.                                                                                                                                                                                                                                                                                                                              | 220.00 | Sqm   |
| 8     | 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 per specification. Double Over Hang 1.50 metre Long | 80.00  | Nos   |
| 9     | Painting wood steel and other metallic surface with Aluminium Paint complete with material and labour including preparation of surface.                                                                                                                                                                                                                                                                                                                                                             | 220.00 | Sqm   |
| 10    | 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.                                                                                                                                                                                                                                                   | 10.17  | Cum   |
| 11    | 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)                                                                                                                                                                                                                                        | 40.00  | Set   |

| S.No. | Description and details of work                                                                                                                                                                                                                                                                                                                                                                                                             | Qty.    | Unit  |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| 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 2.5 sq. mm                                                                                                                                                                                                            | 936.00  | Sqm   |
| 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 amps                                                                                                                                                                                                                  | 40.00   | Nos   |
| 14    | 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 | 80.00   | Nos   |
| 15    | 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 | 27.00   | Nos   |
| 16    | 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                                        | 1000.00 | Metre |

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

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

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