

# MUNICIPAL CORPORATION OF BHILAI

NIT


वार्ड-39, चन्द्रशेखर आजाद नगर स्थित खेल मैदान मंच में स्टील रेलिंग गेट एवं प्रकाश व्यवस्था का कार्य।

(As Per PWD Building SOR 01.01.2015, Electrical SOR 01.06.2020 & NON SOR ITEM)


| S.N. | PARTICULARS 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-26 height 9.00 metre  | 10       | Each  |
| 2    | Erection of steel tubular pole or rail pole in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size ) foundation including excavation & refilling etc as required of 7 metre to 10 metre  | 10       | 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   | 10       | 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   | 20       | 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.  | 40       | 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   | 280.00   | 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  | 63.00    | 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 required.<br>Double Over Hang 1.50 metre Long | 20       | Each  |
| 9    | Painting wood steel & other metallic surface with aluminum paint complete with material & labour including preparation of surface   | 63.00    | Sqm   |
| 10   | 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   | 2.54     | Cum   |
| 11   | Providing timber steel formwork for cement concrete work at all levels including removing of the same   | 8.48     | Cum   |
| 12   | 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   | 10       | Set   |
| 13   | Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing capping as required. 3 x 2.50 sq.mm  | 200.00   | Mtr.  |
| 14   | Providing and fixing porcelain re-wireble 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   | 20       | Each  |
| 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 5 KV surge protection on pole bracket complete as required and furnishing 2 Yrs Guarantee certificate from manufacturer. 40-45 watt   | 10       | Each  |



| S.N. | PARTICULERS OF ITEMS  | Quantity | U. M  |
|------|---|----------|-------|
| 16   | 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.<br>200 watt   | 10       | Each  |
| 17   | 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.<br>2 x 16 sq. mm   | 240.00   | Meter |
| 18   | 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 soil   | 13.50    | Cum   |
| 19   | 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.<br>1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).  | 1.36     | Cum   |
| 20   | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Columns, beams & walls- circular or any other geometrical shape other than square and rectangular in all sizes  | 15.36    | sqm   |
| 21   | 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.<br>1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).   | 2.94     | Cum   |
| 22   | 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: Thermo-Mechanically treated bars FE 415  | 293.60   | Kg    |
| 23   | 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.<br>In stringers, treads, landings etc. of stair cases including use of chequered plate wherever required, all complete.  | 215.54   | Kg    |
| 24   | 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.   | 9.22     | Cum   |
| 25   | Providing and making 12mm thick cement plaster of mix:<br>In Cement Mortar 1:4 (1 cement : 4 fine sand)   | 11.04    | sqm   |
| 26   | Finishing walls with water proofing cement paint of required shade to give an even shade.<br>On new work (Two or more coats applied @ 3.84 kg/10 sqm)   | 11.04    | sqm   |
| 27   | Painting on new work (two or more coats) to give an even shade with:<br>Satin synthetic enamel paint  | 10.20    | sqm   |
| 28   | 15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m).<br>Granite stone black | 16.80    | Sqm   |
| 29   | Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.<br>SS Grade 304   | 250.00   | Kg    |
| 30   | <b>NON SOR ITEM</b><br>Providing & fixing Name Plate of related ward with stainless Steel material.   | 8.40     | Sqm   |

  
Executive Engineer  
Municipal Corporation  
Bhilai

  
Assistant Engineer  
Municipal Corporation  
Bhilai

  
Sub Engineer  
Municipal Corporation  
Bhilai