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MUNICIPAL CORPORATION BHILAI
NIT

कार्य का नाम :- सेक्टर 02 बॉलीबॉल स्टेडियम में संधारण कार्य।

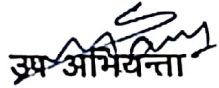
Based on PWD/SOR 1-01-2015 (Building works) Electrical SOR 1.6.2020

| Item No. | Particulars of item | Qty. | Rate |
|----------|--|--------|------|
| 1 | 2 | 7 | 8 |
| 1 | Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete. Aperture 50x50mm | 150.00 | sqm |
| 2 | 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. | 170.00 | Kg |
| 3 | Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete | 9.00 | sqm |
| 3 | Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm) | 60.00 | sqm |
| 4 | Providing and fixing of aluminium tile false ceiling comprising of Tile of size 600 x 600mm x 0.7mm. The Tile ends will be raised with pips and stops to ensure positive engagement into the spring to enable for demounting of individual panels. The Tile sides will be sufficiently high to ensure a minimum deflection across the length of Tile. All Tiles will be bevel edged. The Tile shall be powder coated. The Tile shall be clipped into clip-in profile made of 0.5mm thick G.I sheet. The clip-in profile shall be supported from slab by means hold on clamp with clip and 4mm dia G.I. rod fixed to ceiling rigidly. Wall trim box of size 15x30x15mm made from 0.4mm thick aluminium alloy sheet to be provided all along the wall to hold panels (only surface area of false ceiling is to be measured and no deductions for lights, diffusers, columns etc shall be made With Plain tiles | 12.00 | sqm |
| 5 | Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with allittings and fixtures complete including cutting and making good the walls and floors wherever required : White pedestal type | 2.00 | Each |

| Item No. | Particulars of item | Qty. | Rate |
|----------|---|-------|------|
| 1 | 2 | 7 | 8 |
| 6 | Supplying, installation, testing and commissioning of following LED fitting (luminaries) Panel Light in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio \geq 100 lumens /watt. 12 Watt | 8.00 | M |
| 7 | 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-47 height 10.00 metre | 1.00 | Each |
| 8 | 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 | 1.00 | Each |
| 9 | Supplying and fixing of double over hang (Arm) 1000 MM (long)x50 mm dia decorative GI street light pole bracket made out of GI "A" Class pipe welded to 300 MM Long GI Pole canopy of suitable dia at angle of 102.50 Degree including having GI triangular stiffner and making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy including FRP Dome on existing pole etc. as per enclosed drawing and as per direction of engineer-in-charge.For Tubler Pole | 2.00 | Each |
| 10 | 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. 30 x 20 x 15 cms | 1.00 | Each |
| 11 | 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.2 X 16 sq. mm (19 mm) | 2.00 | Each |
| 12 | Supplying, fixing and cramping suitable size and all type aluminium ferule/ lugs to following size 1.1 KV grade power cable core / lead, pressed with high pressure cramping tool including connection to switch gear/ MCCB etc as per specification. .25 sq. mm | 6.00 | Each |
| 13 | 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 | 10.80 | Sqm |
| 14 | Painting wood steel and other metallic surface with Aluminium Paint complete with material and labour including preparation of surface. | 10.80 | Sqm |
| 15 | Providing timber / steel form work for cement concrete work at all levels including removing of the same. | 2.83 | Sqm |
| 16 | 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) | 1.00 | Set |

| Item No. | Particulars of item | Qty. | Rate |
|----------|--|-------|-------|
| 1 | 2 | 7 | 8 |
| 17 | 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 | 3.00 | Each |
| 18 | Supplying following DP MCB, 240 volts 6 amps to 32 amps 'C' curve | 3.00 | Each |
| 19 | 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. Tubler Pole 350 watt | 8.00 | Each |
| 20 | 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 | 20.00 | Meter |

सहायक अभियन्ता
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