

OFFICE OF THE MUNICIPAL CORPORATION, DURG (C.G.)

N.I.T

Estimate For :- Electrification & Cable laying At Rajendra Park, M.C. Durg (C.G.)

| S.No. | DESCRIPTION. | NO. | |
|-------|--|------|--|
| (1) | supplying and laying following sizes one number PVC insulated XLPE PVC sheathed steel armoured, aluminium conductor power cable of 1.1KV grade in existing RCC/HUME/STONEWARE/METAL HDPE pipe as required. 106/17.3.23 4x16 Sqmm | MTR | |
| (2) | supplying and laying ISI marked double wall HDPE pipe (IS 14930 Part II) having corrugation on the outer wall and plain surface on inner wall in ground below road path etc at a depth not than 40 cm and up to 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 94/16.1.1 :- 63 mm outer dia. | MTR | |
| (3) | supply of swaged steel Tubular pole as per IS 2713 with base plate of size (300x300x6)mm 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-2 height 7.00 mtr | Each | |
| (4) | Erection of GI octagonal/Tubular pole on existing cement concrete foundation having grouted bolts and nuts aligning in true vertical position as required. 142/21.11.5 7 mtr high | Each | |

Material for

| SNO | DESCRIPTION | NO. |
|--------------|---|------|
| ⑤ | Erection of STEEL Tubular or H beam/ISMB pole in Cement concrete 1:3:6 foundation and cement concrete collar of size 0.4 mtr dia and 0.50 mtr height from ground level including excavation and refilling etc as required of Length. 141/21/10-4 7 mtr to 10 mtr | Each |
| 205 32-12 | ⑥ Designing and Providing suitable RCC foundation in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded Stone aggregate) 40 mm including mixing with mechanical mixer, compacting with vibrator finishing and curing etc. Complete but excluding formwork 50 x (45 x 45 x 50) cm | cum |
| 204 32-9 | ⑦ Plastering 15 mm Thick on brick work / C.C. surface with cement mortar 1:4 (1 cement : 4 fine sand) at all levels 50 x (45 x 50) x 4 = | sqm |
| 204 32-7 | ⑧ Providing Timber/steel form work for cement concrete work at all levels including removing of the same 50 x (45 x 50) x 4 = | sqm |
| | ⑨ Providing maintenance free earthing with following size GI pipe including making bore pit of minimum 150 mm dia providing and laying approved make earthing Electrode of pipe-in-pipe techno. as per IS-3043-1987 made of corrosion free GI pipes having outer pipe of 80 mm dia and inner pipe of 50 mm dia & filling with specified qty highly conductive compound around pipe & above that with soft soil in bore pit complete & providing masonry enclosures with cover plate having locking arrangement and centering pipe etc. as required. with 2 mtr Long GI pipes and 25 kg back filling compound | set |

mate for :-

| SNO. | DESCRIPTION | NO. |
|------|--|------|
| ⑩ | Providing & fixing 25 mm x 5 mm GI strip on surface or in recess for connections etc as required (88/14-17) | MTR |
| ⑪ | Supplying & fixing watertight terminal box made of 1.6 mm thick M.S. sheet with detachable gland plate in bottom hinged front open cable cover rubber gasket having 1 Nos 4 way Connector and 1 No. SP MCB inside the box for cable connection fixed to pole with 2 Nos clamp made from 40 x 3 mm M.S. plate with 2 No. Nut bolt duly Painted & 2 coat alu. Paint complete as req. 142/21-16.1 (20 x 15 x 15) CMS | Each |
| ⑫ | Supply & fixing following street light pole bracket on existing pole made out of 50 mm dia M.S. 'B' class pipe welded to 300 mm Long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffener of size (150 x 50 x 5) mm thick making arrangement for tightening the bracket with pole by providing suitable size heavy duty Nut & bolts in canopy painting with one coat of approved steel primer etc. as required | Each |
| | 141/21-9-6. Double over hang 1.50 mtr Long | Each |
| | 141/21-9-3 Single over hang 1.50 mtr Long | Each |
| ⑬ | Supplying fixing and cramping suitable size and all Type alu. ferrule/legs to foll. size 1.1KV grade Power cable core/Lead pressed with high Pressure cramping tool including connection to switch gear/MCB etc as required. | Each |
| | 116/17-28.3 16 sq mm | |
| ⑭ | Supply & fixing TPN MCB 440 Volts 'D' curve suitable for inductive Lighting load in the existing MCB DB complete with connections testing and commissioning etc. as required. | Each |
| | 72/11-16.5 63 Amp | |
| ⑮ | Supp. & fixing foll. rating 415 Volts Fan pole Isolator in the existing MCB DB complete with connections testing & Comm. etc as req. | Each |
| | 73/11-19.2 63 Amp | |

