

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 110/IWD/ED/536****SCHEDULE OF QUANTITY**

Name of work: Providing three phase power supply for newly proposed four mobile towers installed near Nursery, Outreach building in front of Park-67, Pronight ground (behind stage) in the campus.

| Name of the Contractor | | | | | |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|----------------------------------|---------------|
| S. No | Description of Items | Qty | Unit | Rate in Figures in Rupees | Amount |
| 1 | Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required. | 60.00 | Mtr. | | |
| 2 | Supplying and making indoor end termination with brass compression gland, aluminum lugs for following size of PVC insulated & PVC sheathed/XLPE aluminum cable of 1.1kV grade as reqd. | | | | |
| a | 3½ X 50 sq. mm (35mm) | 10.00 | Nos. | | |
| 3 | Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required | | | | |
| a) | 80 mm dia | 30.00 | Mtr. | | |
| 4 | Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required | | | | |
| a | 100 A,30KA, FPMCCB | 8.00 | each | | |
| 5 | 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/ coke and salt as required. | 8.00 | Set | | |
| 6 | Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required. | 4.00 | Nos. | | |

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|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---------------------------|--------|
| 7 | Supplying, fixing, connecting, testing & commissioning of LCD display Kwh meter, direct operated,10-60A, three phase 415 volt, 50 hz, kWH electronic meter 3ph 4W Kwh Dir base mtg 240v 10-60A (HPL make cat no. TLPB1529131000OCM0) i/c sealing the same (sealing material will be supplied by the dept.) etc. as reqd. | 4.00 | Nos. | | |
| 8 | S/F, copper cable lug suitable for following size of conductor. | | | | |
| a) | 16 sq.mm | 50.00 | Each | | |
| 9 | Fabrication, supplying & fixing of box of required size made out of 2mm thick CRCA sheet duly powder coated outdoor type, IP65 protection, lockeble & openable from top-bottom or front required & arrangement floor mounting type as required complete. | 100.00 | Kg | | |
| 10 | Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 3-1/2x50 sq.mm. 1.1kV grade in following manners. | | | | |
| a) | Direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd. | 450.00 | Mtr. | | |
| b) | In pipe | 30.00 | Mtr. | | |
| c) | In open duct | 20.00 | Mtr. | | |
| d) | On surface with MS clamp | 20.00 | Mtr. | | |
| 11 | Supplying and drawing of following sizes of FR-LSH PVC insulated copper conductor, 4 core cable in the existing surface/ recessed steel/ PVC conduit as required. | | | | |
| a) | 16 sqmm | 25.00 | Mtr. | | |
| 12 | S & F rotary drive kit complete with handle for 100A MCCB etc. as reqd. | 2.00 | Nos. | | |
| 13 | S & F connecting and commissioning independent mounting of MCCB enclosure suitable for MCCB's upto 250AF in surface/ recess i/c the wall and making good the same in case of recessed as red. | 4.00 | Nos. | | |

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|-------|--------------------------------------------------------------------------|-------|------|---------------------------|--------|
| 14 | Supply and laying of HDPE pipe 63mm inner dia ISI mark 2 mm thick direct | | | | |
| a | In existing open duct | 30.00 | Mtr. | | |
| | Total Rs. | | | | |