

CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY
(Council of scientific and industrial research)

NAME OF WORK :Underground service connection to utility centre near Gate No. 1 at CSIR-NEIST, Jorhat

| SI No | Particulars of the item | Qty | Unit | Rate in figures in | Rate in words | Amount in Rs. |
|-------|---|-----|------|--------------------|---------------|---------------|
| 1 | Supplying and laying of 4 x 120 sq.mm size PVC insulated and sheathed 11 kV grade aluminium stranded armoured underground cable laid in ground/partially in air including excavation of cable trench up to 75cm depth refilling, protecting brick covering , sand cushion etc complete handling surplus soil in proper place and proper size of cable lug, cable arrow mark as specified and directed by department. (Havells/Finolex/Polycab Make) | 140 | Mtr | | | |
| 2 | Supplying and laying of 2 x 25 sq.mm size PVC insulated and sheathed 11 kV grade aluminium stranded armoured underground cable laid in ground/partially in air including excavation of cable trench up to 75cm depth refilling, protecting brick covering , sand cushion etc complete handling surplus soil in proper place and proper size of cable lug, cable arrow mark as specified and directed by department. (Havells/Finolex/Polycab Make) | 50 | Mtr | | | |

NB: Rate must be written both figures and words

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|---|---|---|------|--|--|--|
| 3 | <p>Supplying including installation, commissioning of vermin and dust proof totally enclosed phosphatised powder painted cubical indoor type floor /wall mounting compartmental panel board of size 0.85M x 1.20M x 0.40M made of 16 SWG (1.66mm) thick C.R. sheet and 35 mm x 35mm x 5mm size angle having 4 nos. legs at the bottom. The panel board is to be erected in 1:3:6 PCC foundation including brick soiling/grouting etc complete neatly wiring done by copper wires of proper sizes with provision for one no, 250 A 4 pole MCCB as incomer and provision for 3 nos 4P MCCB and one no. DP MCCB as outgoing as specified and directed by deptt conforming to IP-43 protection comprising of the following items.</p> | 1 | Each | | | |
| | (a) 25mm x 5mm 4 strip copper busbar : 1 set | | | | | |
| | (b) Digital 3 phase voltmeter. Accuracy class 0.5 : 1 No | | | | | |
| | (c) Digital 3 phase ammeter. Accuracy class 0.5: 1 No. | | | | | |
| | (d) Pilot lamp (LED) , RYB : 3 nos. | | | | | |
| | (e) Voltmeter and ammeter selector switch : 2 Nos. | | | | | |
| | (f) 2A slide fuse : 3 nos. | | | | | |
| | (g) Panel mounted CT operated 3 phase 4 wires electronic energy meter : 1 No | | | | | |
| 4 | <p>Supplying with fitting and fixing panel mounting open execution 36KA 415V 50 Hz 4P MCCB with adjustable setting of the following capacity complete with making necessary connection as approved, specified and directed by deptt. Legrand/Siemens/L&T Make</p> | | | | | |
| | (a) 160A 36KA 4P MCCB | 1 | Each | | | |
| | (b) 250A 36KA 4P MCCB | 1 | Each | | | |
| | (c) 100A 25KA 4P MCCB | 1 | Each | | | |
| | (d) 63A 25KA 4P MCCB | 1 | Each | | | |

NB: Rate must be written both figures and words

| | | | | | | |
|----------------------------|--|----|------|--|------------|--|
| 5 | Supplying with installation & commissioning of readymade maintenance free CPRI approved chemical earthing system with 50 mm dia 3.00 metres length corrosion free single pipe technology copper CHEMRODW ELECTRODE complete with RESLOW grounding mineral 25K and advance earth pit cover including excavation of earth pit and construction of brick earth chamber including plastering both inner and outer surface of brick wall as specified and directed by deptt | 1 | Each | | | |
| 6 | Supplying and laying of 25 x 5 mm size copper strips drawn on surface from earth electrode to switchgears, machineries etc complete with supply of brass nuts & bolts, screws etc including 32mm dia covering GI pipe, reveting, soldering & making necessary connection as approved and directed by deptt. | 10 | Mtr | | | |
| 7 | Supplying and laying of 65 mm (2.5 inch) dia heavy duty GI pipe complete with socket (Jindal/Hindustan/Tata Make) by drilling horizontally through pucca road/drain with the help of GI pipe at a depth of 90cm or more from Ground level and pass through UG cables without damage the existing road surface complete as required and specified by deptt. (without cable) | 12 | Mtr | | | |
| 8 | Making good by damage done as directed by department | LS | | | | |
| Total Bidding value | | | | | Rs. | |

Rupees:.....
.....only