

BOQ
for

Name of Work: Replacement of Sewage Pump Feeder Panel near the Auditorium with associated electrical works at IITG Campus.

Sl. No.	Description of Item	Unit	Qty.	Rate in Figure (Rs.)	Rate in Words	Amount (Rs.)
1	Earthing with G.I. earth pipe 4.5 Meter 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.	each	2			
2	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	mtr	40			
3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					
a	Above 35 sq. mm and upto 95 sq. mm	mtr	140			
4	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV					
a	3½ X 50 sq. mm (35mm)	each	2			
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
a	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	2			
6	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.					
a	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	cum	2			

7	Supply, installation, testing, and commissioning of a 415V, 3-phase, 4-wire, 50Hz outdoor pump Feeder Pillar with IP 65 rating and 200A TPN aluminium busbar, fabricated from 2mm CRCA sheet, powder-coated after chemical treatment, free-standing, and including base foundation, etc., as required. The details are as follows: As Incomer 100A, 4P, 25KA, MCCB- 1 Nos Spreader link for 100A, 4P, MCCB (set of 8 pcs)- 1 Nos, Auxiliary contact CO for 125A, 4P, MCCB- 1 No. Digital Multifunction meter (V,A,PF,KW,KWH)- 1 Nos LED Indicator Lamp R,Y,B- 3 Nos CT 150/5A, CI-1, Tape wounded- 3 Nos 6A SP, 10KA, MCB "C" Series- 3 Nos Single phase preventer- 1 Nos As Outgoing 1. 10 KW DOL Starter-2 Nos 63 A, TP, 10 KA, MCB- 2 Nos MNX 25 A, TP Contractor-2 Nos, Add on Block 2 NO 2 NC- 2 Nos, Overload Relay 14-23A- 2 Nos, ON, OFF Trip Indicator Lamp-6 Nos, Start/Stop Push Button- 4 Nos, Auto Manual Selector Switch-2 Nos, Local Remote- 2 Nos,6A, SP, MCB- 2 Nos 2. 5 KW DOL Starter-1 Nos 32 A, TP, 10 KA, MCB- 1 Nos MNX 12 A, TP Contractor-2 Nos, Add on Block 2 NO 2 NC- 1 Nos, Overload Relay 9-15A- 1 Nos, ON, OFF Trip Indicator Lamp- 3 Nos, Start/Stop Push Button- 2 Nos, Auto Manual Selector Switch-1 Nos, Local Remote- 1 Nos,6A, SP, MCB- 1 Nos	No	1			
8	Supply and Installation of 63A TPN MCB, "C" Series	No	1			
9	Supply of 50 sq. mm 3.5 core XLPE insulated armoured, 1.1KV grade, Aluminium power cable (Approved make- Havells, KEI, Polycab, RR Cable, RPG, NICCO, Finolex, CCI, Incab)	mtr	145			
10	Supply and laying of 65mm dia G.I. Pipe as per ISI MARKED, Mediam Class	mtr	9			
TOTAL AMOUNT						
Discount@.....%, if any						
GRAND TOTAL AMOUNT						
(Rupees.....)						

N.B: Quoted rate should be inclusive of all Taxes.

Place:

Seal & Signature of Bidder