

INDIAN INSTITUTE OF TECHNOLOGY KANPUR



Tender Notice No. 19/Elect/2020

SCHEDULE OF QUANTITY

Name of Work: Developing of existing pond near library in IIT Kanpur (SH: Electrical work).

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 3-1/2x150 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.	115.00	Mtr.		
b)	In pipe	20.00	Mtr.		
c)	In open duct	15.00	Mtr.		
2	Supply and laying of HDPE pipe ISI mark of 25 mm (8Kg / cm ²) size inner dia, 2mm thick I/c cartage loading & unloading etc. as reqd.				
a)	In open duct	1000.00	Mtr.		
b)	On surface with MS clamp	500.00	Mtr.		
3	Supply and drawing PVC insulated 3 core round cable of following size for connection of equipments / exhaust fan & other work as reqd.				
a)	2.5 sq. mm	500.00	Mtr.		
b)	4.0 sq. mm	1000.00	Mtr.		
4	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)	3-1/2x 150 sq.mm.	2.00	Nos.		
5	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	25.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
6	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)	125 A,36KA,FPMCCB	1.00	Nos.		
7	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a)	Single pole	50.00	Nos.		
8	Supplying,installation,testing and commissioning of Astronomical time switch of following configuration to be mounted in feeder pillars / Lighting DBs for automatic switching On & OFF of street lights at sun set & sun rise or twilight(Auto ON, Auto OFF, Auto modes) with manual override facility with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site complete as required.				
a)	1 output per phase and suitable for single phase supply	1.00	Nos.		
9	Fabricating, supplying & fixing of box of required size made out of 2mm thick CRCA sheet duly powder coated & openable from top - bottom or front as required & fixing the same complete as required.	50.00	Kg		
10	Supplying, fixing, connecting, testing & commissioning Dual Source meter 4040 series input volt. 50-520VAC, Aux supply 80-300 VAC/DC, CT/PT site programmable, parameters- V,A,F,PF,kW,kVA,Run hours,KWh (EB and DG) in existing feeder pillar/ LT panel as required complete.	1.00	Nos.		
11	Supplying and fixing, connecting,of RYB LED Indicator 22.5 mm dia in existing feeder pillar/ LT panel as required complete.	1.00	Set.		
12	Supplying,fixing,testing commissioning of Following LED light fittings, energy saving, environmental friendly,long life,exclusive innovative die cast SS/aluminium IP 65 to 68 with high power LEDs as light source. complete as required make philips/ Decon or its equivalent approved make.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a)	9W LED Under Water light single color (Ca. No.-L15ADC-9) Decon make or its equivalent make.	25.00	Nos.		
b)	9W LED Under Water light multy color RGB (Ca. No.-L15ADC-9) Decon make or its equivalent make.	25.00	Nos.		
c)	Step light LED (Ca. No.-BWG150 LED50 WW PSU 220-240V IP67 7043) Philips make or its equivalent make.	100.00	Nos.		
d)	City Cube Bollard D (Ca. No.-BCP400 LED09 D CW PSU GR S1) Philips make or its equivalent make.	30.00	Nos.		
e)	70W LED Flood light (Ca. No.-BVP120 LED 70 CW) philips make or its equivalent make.	8.00	Nos.		
13	Supplying,fixing,testing commissioning of Following 120 W LED Transformer for for 13 Led under water lights complete as required make Decon or its equivalent make.				
a)	120W Led Transformer for single color lights Decon make or its equivalent make.	3.00	Nos.		
b)	120W Led Transformer for multy color lights RGB Decon make or its equivalent make.	3.00	Nos.		
	TOTAL Rs.				