

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 124/Elect./2019****SCHEDULE OF QUANTITY****Name of Work: Providing internet points alongwith boundary wall for providing CCTV camera in campus as requested by the security section.**

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying and drawing following sizes of FR-LSH PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	3 x 1.5 Sqmm.	200.00	Mtr.		
2	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.				
a	180 mm X 100 mm X 60 mm deep	20.00	Nos.		
3	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
a	5/6 A switch	30.00	Each		
b	3 pin 5/6 A socket outlet	30.00	Each		
4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required				
a	6 Module (200 mmX75 mm)	20.00	Each		
5	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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	20.00	Nos.		
b	Double pole Each 463	20.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
6	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	20.00	Nos.		
7	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	2000.00	Mtr.		
8	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable/ Network cable of 1.1 kV grade of following size on wall surface as required.				
a	Upto 35 sq. mm (clamped with 1mm thick saddle)	500.00	Mtr		
9	Supplying and making indoor end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1kV grade as reqd.				
a	2x6 sqmm(19mm)	30.00	Set		
10	Erection of metallic pole of following length in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.				
a	Above 6.5 Meter and upto 8.0 meter	5.00	Nos.		
11	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer	20.00	Nos.		
12	Providing brick work (in width 225 mm or more) with F.P.S. bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) at all levels.	25.00	cum		

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13	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	150.00	sqm		
14	Providing, laying and fixing following dia G.I. pipe (medium class)				
a	50mm dia	200.00	Mtr.		
15	Civil work for making pillar/ network rack	7.00	Nos.		
16	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	32mm dia	200.00	Mtr.		
17	Supplying & Laying of one no. XLPE cable aluminium conductor steel armoured cable of size 2x6sqmm, grade 1.1kV in following manners.				
a	In Ground I/c excavation, sand cushioning protective covering, refilling of earth as reqd.	2200.00	Mtr.		
b	In existing Pipe	100.00	Mtr.		
c	In existing open duct	200.00	Mtr.		
d	On surface	100.00	Mtr.		
18	Supply & fixing of 65 mm dia.'B' class GI pole 4.5 mtr. Long for post top lantern i/c base plate 300 x 300 x 3mm GI reducer & nipple for mounting the fitting with painting etc. grouting in cement concrete 1: 3: 6 (1 cement : 3 coarse sand : 6 grade stone aggregate 40mm nominal size 0.4mm dia x 0.5 mm high to accomade the looping) complete as reqd.	20.00	Nos.		
19	Laying of optical cable enhanced cat 5/cat 6/telephone/ networking /power cable in existing steel conduit pipe/GI /HDPE pipe including numbering of networking wire from room to rack as reqd.	18000.00	Mtr		

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20	Supplying,fixing,testing commissioning of garden light 40W LED postop lantern Luminures. New generation, post-top, energy saving, environmental friendly, long life aesthetically designed with symmetrical light distribution, spun aluminium landscape luminaire with high power LEDs as light source Cat no. LPTO-40-CDL /M, make:Crompton Greaves or its equivalent, on the existing pole complete as required.	20.00	Nos.		
21	S/F testing commissioning of street light Luminures. Endura cityliner neo type 48WLED757SASYBOPC , die-cast aluminium IP66 type make: Havells or its equivalent, on the existing street light pole complete as required.	20.00	Nos.		
22	Supply & laying of HDPE pipe ISI mark of size 32mm outer dia, 8Kg / cm ² I/c cartage loading & unloading etc. as reqd.				
a	In Ground I/c excavation, sand cushioning protective covering & refilling the trench with dressing of earth etc. as reqd.of earth as reqd.	10000.00	Mtr		
b	Fixing on surface with MS clamp	7500.00	Mtr.		
c	In existing pipe	400.00	Mtr.		
d	In existing open duct.	100.00	Mtr.		
23	Fixing of internet box of following sizes (nomial) on surface or in recess with suitable size of phenolic laminated sheet cover in the front size etc. as reqd.				
a	75 mm x 75 mm	80.00	Nos.		
24	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a	25 mm x 16 mm	50.00	Mtr.		
25	Fixing, of network rac including cartage from store to site on four nos 12x 100mm rag bolts.	20.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
26	Structure steel work riveted, bolted or welded in built up sections, truses and framed work including cutting, hoisting, fixing in position and applying a primering coat of approved steel primer all complete.	100.00	Kg		
	Total Rs.				