
 INDIAN INSTITUTE OF TECHNOLOGY KANPUR 					
Tender Notice No. 06 /IWD/ED/33					
SCHEDULE OF QUANTITY					
Name of work: Replacement of defective electrical items at IIT K outreach centre NOIDA.					
Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Providing and fixing following rating and breaking capacity 415V 50Hz MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc as required.				
a	400 Amp, 36 KA Four Pole	1.00	Nos.		
b	630 Amp, 36 KA Tripple Pole	1.00	Nos.		
2	S & F transmitted rotary handle withdrawable complete with drive kit suitable for 400/630 Amp MCCB etc. as reqd.	2.00	Nos.		
3	Supplying & fixing 25 KVAR, 415 Volt, 3 phase, 50 Hz cylindrical type Capacitor in existing APFC Panel etc as reqd.	2.00	Nos.		
4	Supplying and making end termination with brass compression gland with aluminium lugs for following size of PVC insulated & PVC sheathed/XLPE aluminium cable of 1.1kV grade as reqd.				
a	3-1/2x 300 sqmm	8.00	Nos.		
b	3-1/2x 400 sqmm	4.00	Nos.		
5	Excavation for cable trenches in soft soil, depth upto 1.2 m including dressing of sides lift upto 1.5 m, including getting out the excavated soil, refilling with sand and or good soil after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	0.50	Cum.		
6	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.	1.00	Cum.		
7	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	5.00	Sqm.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
8	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc. as required.				
a	150 mm dia	80.00	Mtr.		
9	Structure steel work riveted, bolted or welded in built up sections, truses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	20.00	Kg.		
10	Supplying and drawing 150 sqmm FRLS PVC insulated copper conductor, single core cable on surface/open duct etc as reqd.	8.00	Mtr.		
11	Supplying & fixing copper lug for cable suitable for following sizes of conductor.				
a	150 sqmm	16.00	Nos.		
12	S/F, connecting, testing and commissioning 12 watt Pearl square LED downlighter recess mounted luminaires with PMMA diffuser etc.as reqd.(CAT No.LSCSM-12W-CDL/NW/WW make Crompton or equivalent approved make)	5.00	Nos.		
13	Supplying and fixing, 48 Watt LED street light luminaries with pressure die cast aluminium housing IP65 complete with all accessories complete (Cat No. ENDURACITYLINERNEXGENSL48WLED757SASYBOPC Havells or approved equivalent makes	1.00	Nos.		
14	Supply, fixing, connecting, commissioning & testing of 40 watt LED Post top lantern light complete with all accessories including rag bolts with washer Cat No. LPTO-40-CDL Crompton make or its equivalent make etc as reqd.	1.00	Nos.		
15	Supply & laying of 2 core 1.5 sqmm PVC insulated and PVC sheathed solid copper conductor unarmoured cable of 1.1kV grade on surface etc as reqd.	150.00	Mtr.		
16	Supplying, Installation, testing & commissioning, 4-zone microprocessor based automatic fire alarm control panel with power supply & battery charger having battery box etc as required.	1.00	Nos.		
17	Supplying, installation, testing & commissioning, of ionozatinn smoke detectors with standard base including base plate & mounting accessories as reqd.	10.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
18	Supplying, installation, testing & commissioning, of dust & vermin proof manual call box with push button, breakable glass cover,hammer made out from CRC sheet & steel chain including other accessories as required.	1.00	Nos.		
19	Supplying, installation, testing & commissioning, of hooter 24 V D.C.type high intensity suitable for recessed / surface mounting complete with enclosure as reqd.	1.00	Nos.		
20	Supplying, erection, testing & commissioning, of remote response indicator, complete with lamp test facility etc as required	1.00	Nos.		
21	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	3.00	Nos.		
22	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, b	2.00	Nos.		
23	Supply & Laying of 32 mm (6Kg / cm ²) HDPE pipe ISI mark of 2mm thick I/c cartage loading & unloading etc. as reqd.				
a	In ground i/c excavation sand cushioning protective covering, refilling of eath as reqd.	25.00	Mtr.		
b	Fixing on surface with MS clamp	5.00	Mtr.		
c	In existing open duct.	5.00	Mtr.		
	Total Rs.				