

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 88/Elect./2019****SCHEDULE OF QUANTITY****Name of Work: Renovation & modification work at OLD RA Hostel in 20 Rooms Phase-II.****Name of the Contractor**

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 Sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a	Group C	350.00	Point		
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	22.00	Points		
3	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as reqd.				
a)	3 x 1.5 Sq.mm..	1450.00	Mtr.		
b)	3 x 4 Sq.mm..	800.00	Mtr.		
c)	3 x 6 Sq.mm..	200.00	Mtr.		
4	Supplying and drawing telephone cable of 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	500.00	Mtr.		
5	Supply, fixing, following modular type switch / socket on existing modular plate & switch box including connectins but excluding modular plate etc. as reqd.				
a)	5/6 Amp switch	175.00	Nos.		

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b)	15/16 Amp. switch	130.00	Nos.		
c)	3 Pin 5/6 Amp. socket outlet	225.00	Nos.		
d)	6 Pin 15/16 Amp. socket outlet.	130.00	Nos.		
e)	Telephone socket outlet	22.00	Nos.		
f)	Bell Push	25.00	Nos.		
g)	Blanking plate	70.00	Nos.		
h)	Fan regulator socket type rotary step	45.00	Nos.		
6	Supply, Installation, testing & commissioning of AC ceiling fan of following sweep 220 volts without regulator I/c wiring the down rods of standard length up to 30 cm with 1.5 sq.mm. PVC insulated copper conductor single core cable etc as reqd.				
a)	1200 mm	47.00	Nos		
7	Supply, Installation of heavy duty exhaust fan, 900 rpm 220 volt AC, 50 Hz of following sweep in the existing opening I/c connection, testing, commissioning etc as reqd.				
a)	300 mm	40.00	Nos.		
8	S/F, Exhaust fan shutter of following sizes on rag bolts as reqd.				
a)	300 mm.	40.00	Nos		
9	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc as required.	30.00	Nos.		
10	S & F following size/modules, GI box along with modular base and cover plate for modular switches in recess etc.as required.				
a)	1/2 module	30.00	Nos.		
b)	3 module	50.00	Nos.		
c)	6 module	30.00	Nos.		

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d)	8 module	1.00	Nos.		
e)	12 module	1.00	Nos.		
11	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	12-way , Double door	22.00	Nos.		
12	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.				
a)	Single Pole	264.00	Nos.		
13	Supplying, fixing, conneting, testing & commissioning 10-60A , Single phase 230V ,50 Hz , digital LCD type electronic KWH electronic meter.	20.00	Nos.		
14	S & F 40 amp to 63 amp rating 240 volts 'C' curve 10 kA MCB of following pole in the existing MCB DB complete with connection, testing & commissioning etc as reqd. (legrand)				
a)	Double Pole	22.00	Nos.		
b)	Four pole	6.00	Nos.		
15	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a)	4 way (4 + 12), Double door	4.00	Nos.		
16	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and with lamp as required complete.				

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a)	LED tube light fitting box type (1 X 20 Watt. LED) ceiling suspended surface mounting luminaires Philips make	50.00	Nos.		
b)	LED tube light fitting box type (2 X 20 Watt. LED) ceiling suspended surface mounting luminaires Philips make	10.00	Nos.		
c)	15 W surface mounted	75.00	Nos.		
d)	LED bulkhead fixture 9/10 Watt	65.00	Nos.		
e)	LED mirror light fixture 5/7 Watt	25.00	Nos.		
f)	24/25W LED street light	6.00	Nos.		
g)	40 watt LED post top lantern	4.00	Nos.		
17	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	100.00	Mtr.		
18	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	100.00	Mtr.		
19	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a)	End cap	20.00	Nos.		
b)	Internal angle.	5.00	Nos.		
c)	External angle	7.00	Nos.		
d)	Flat Junction	4.00	Nos.		
e)	Changeable flat angle	4.00	Nos.		
f)	Separation partitions	50.00	Mtr.		
g)	cover joint	30.00	Nos.		
h)	Base joint	20.00	Nos.		
20	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd..	50.00	Mtr.		

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21	Supply and fixing of following items for plastic trunking accessories suitable for size 32 mm x 20 mm				
a)	End cap	10.00	Nos.		
b)	Internal angle/ External angle	20.00	Nos.		
c)	Flat Junction	6.00	Nos.		
d)	Changeable flat angle	6.00	Nos.		
22	Fixing of RJ-45 modular box with cover plate or I/o box for internet on surface/ recessed cutting the wall making good the same as required. (box and cover plate will be supplied by dept.)	20.00	Nos.		
23	Laying UTP cable enhanced cat 5/cat 6 cable in existing steel conduit pipe/GI pipe/ raceway / RCC pipe as reqd. the cost shall also include numbering of networking wire from room to rack as reqd. (wire will be supplied by dept)	750.00	Mtr.		
24	Supply,testing and commissioning of following sizes of telepone Krone type D.P box in 16 SWG thick MS seet Epoxy quoted/painted with ruber sealing IP 55 to prevent entry of insects with lock and and key provision.	1.00	Nos.		
25	Supplying and fixing call bell/ buzzer suitable for D.C./A.C. single phase, 230 volts, complete as required.	20.00	Nos.		
26	S & F of following size of steel conduit along with the accessories in surface/recess I/c painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit. as reqd.				
a)	20 mm	200.00	Mtr.		
b)	25 mm	50.00	Mtr.		
27	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	150.00	Nos.		
28	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)	2x6 sq.mm.	20.00	Nos.		

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29	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc as required.				
a	125 Amp, 25 KA	4.00	Nos.		
30	S&F connecting and commissioning independent mounting of MCCB enclosure of the same make as the MCCB on surface/recess I/c cutting the wall and making good the same in case of recessed as reqd.	4.00	Nos.		
31	Supplying & Laying of one no. PVC insulated & PVC sheathed aluminium conductor steel armoured cable of size 2 x 6 sqmm 1.1kV grade .				
a)	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	100.00	Mtr.		
b)	In pipe	20.00	Mtr.		
c)	In open duct	30.00	Mtr.		
	Total Rs.				