KERALA AGRICULTURAL UNIVERSITY

Directorate of Physical Plant **No:17**

TENDER SCHEDULE

Name of work:- Electrification for vertical extension of PG Hostel at CoA, Vellayani.

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
1		Wiring points in surface / semi concealed conduit system (8Points) using 20 mm rigid PVC conduit medium guage with specials and 1mm2 PVC insulated FR SC copper wire. The conduit on the wall shall be clambed using saddles, suitable size modular type flush mounting metal switch boxes duly concealed, modular type of front plated, clip in modular type 6A, SP piano type swich etc. as per IS Specifications and making good the surface as per directions of departmental officers.				
a	42 Pt	Light / light duty exhaust fan points up to and including 6A, 3 plate ceiling rose.	829	/Point	(Rs Eight hundred and twenty nine only)	34818
b	27 Pt	Light point excluding ceiling rose	812	/Point	(Rs Eight hundred and twelve only)	21924
c	19 Pt	Fan points with suitable regulator box and plate	918	/Point	(Rs Nine hundred and eighteen only)	17442
2	1 Nos	Providing 6A, 3 pin multi socket clip in modular type and 6A SP piano type switch modular type attached to the switch board.	381	/Each	(Rs Three hundred and eighty one only)	381
3		Wiring PVC insulated SC copper wire in surface conduit system using suitable rigid PVC conduit with specials, saddles, screws etc as per IS specification.				
a	150 m	1.50 mm^2 - 2 run	98.50	/m	(Rs Ninety eight and Ps. Fifty only)	14775
b	120 m	1.50 mm^2 - 4 run	130	/m	(Rs One hundred and thirty only)	15600

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
c	20 m	2.50 mm^2 - 2 run	117	/m	(Rs One hundred and seventeen only)	2340
4	16 m	Providing PVC pipe as protective cover to power cable in position-63 mm size.	135	/m	(Rs One hundred and thirty five only)	2160
5		Supplying and drawing bare copper earth conductor along with wiring / cable / through pipes etc as required.				
a	450 m	No.14 SWG (2.03 mm)	28	/m	(Rs Twenty eight only)	12600
b	50 m	No.12 SWG (2.64 mm)	40.50	/m	(Rs Forty and Ps fifty only)	2025
6	175 Nos.	Providing copper earth socket to the copper earth wire and fixing using brass bolt and nut with washer including crimping.	17.50	/Each	(Rs Seventeen and Ps fifty only)	3063
7		Supplying and drawing PVC insulated SC copper wire through the existing conduit and giving necessary connection etc. as required.				
a	1 m	1.00 mm^2 - single run	20.50	/m	(Rs Twenty and Ps. Fifty only)	21
b	50 m	1.50 mm^2 - single run	26	/m	(Rs Twenty six only)	1300
c	10 m	2.50 mm^2 - single run	35	/m	(Rs Thirty five only)	350
8	27 Nos.	Supplying and fixing bakelite / PVC batten holder using suitable MS Box with hylam sheet cover including connection	265	/Each	(Rs Two hundred and sixty five only)	7155
9		Providing lamps to the fixtures.				
	27 Nos.	CFL 18 W.	224	/Each	(Rs Two hundred and twenty four only)	6048

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
10	40 Nos.	Supply and fixing surface mounted 240V, 18W, 1600 lumens, slim, 4ft, LED, Battern fitting complete with cool white light including connection using FR Multi-core PVC insulated and PVC sheathed copper conductor round flexible wire having 0.75 sq.mm as per direction of dept.officers	900	/Each	(Rs Nine hundred only)	36000
11		Supply and fixing 6/16 A, 3 pin, combined modular type shuttered plug sockets on suitable modular type flush mounting metal switch boxes,modular type front plate etc including connection.				
	1 Nos	20 Amps modular type DP switch	706	/Each	(Rs Seven hundred and six only)	706
12		Supply and fixing 6A, multi plug socket modular type with 6A SP modular type switch using suitable modular type flush mounting boxes,modular front palte etc. including connection.				
	39 Nos	4 Way	1370	/Each	(Rs One thousand three hundred and seventy only)	53430
13		Supplying and fixing RCCB in position including connection.				
	1 Nos.	40 A Four pole	2498	/Each	(Rs Two thousand four hunred and ninety eight only)	2498
14		Supplying and fixing sheet steel phosphatised and painted double cover, dust and vermin proof MCB DB, with busbar, neutral link, earth bus and din rail etc. on wall and making the wall in good finishing.				
a	5 Nos.	Single phase -12 Way.	2005	/Each	(Rs Two thousand and five only)	10025

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
b	1 No	Three phase - 6 Way (8+18)	3273	/Each	(Rs Three thousand two hundred and seventy three only)	3273
15		Supplying and fixing Mini Break isolator in distribution board enclosure including connection.				
a	1 Nos.	32/40 Amps - Double Pole.	481	/Each	(Rs Four hundred and eighty one only)	481
b	1 Nos.	40 Amps - Four Pole.	856	/Each	(Rs Eight hundred and fifty six only)	856
16		Supplying and fixing MCB's in position including connection.				
	28 Nos.	6 to 32 Amps - Single pole 10 KA.	215	/Each	(Rs Two hundred and fifteen only)	6020
17	30 m	Providing additional length of fan rod with 16 / 0.2 mm PVC insulated and sheathed 3 core flexible copper wire including painting as required.	187	/m	(Rs One Hundred and eighty seven only)	5610
18	19 Nos.	Supply of AC ceiling fan 1200 mm sweep capacitor type with double ball bearing complete with down rod shackle canopies	1645	/Each	(Rs One thousand six hundred and forty five only)	31255
19	19 Nos.	Installation, testing and commissioning of A.C. ceiling fan using standard accessories complete, wiring the down rod and giving connection using 3 core 16/0.20 mm PVC insulated and sheathed 3 core flexible copper wire.	302	/Each	(Rs Three hundred and two only)	5738
20	19 Nos	Supply and fixing 100W step type fan regulator modular type socket type to the existing switch board	433	/Each	(Rs Four hundred and thirty three only)	8227
21		Supply and fixing light duty Ex. Fan in plastic body with self opening louvers on 230 V, single phase - Including connection.				

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
	1 Nos.	150 mm sweep	1518	/Each	(Rs One thousand five hundred and eighteen only)	1518
22		Supply,installation and commissioning of exhaust fan ring mounted axial frame of approved quality in the existing opening including making the opening suit, fixing necessary bolt and nut making good the damages etc. including connection using required length of 16/0.20 mm PVC insulated and sheathed three core flexible copper wire.				
	1 Nos	Light duty, metal frame 300/305 mm size.	2109	/Each	(Rs Two thousand one hundred and nine only)	2109
23	2 No	Charges for cutting holes suitable for fixing exhaust fans including plastering making good the surface etc as required for light duty exhaust fan.	264	/Each	(Rs Two hundred and sixty four only)	528
24		Supplying and drawing 1.1 KV grade PVC insulated and sheathed armoured aluminium power cable as per directions of the Deptl. Officers.				
		Clamping on wall / ceiling / truss etc. using conduit saddles / metal clamps etc.				
	45 m	4 X 10sq.mm size.	211	/m	(Rs Two hundred and eleven only)	9495
25		Connecting the ends of the heavy duty armoured aluminium power cable to the respective terminals using cable gland and end sockets.				
	2 Nos.	4 X 10sq.mm size.	267	/Each	(Rs Two hundred and sixty seven only)	534

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
26		Supply and fixing TPN Switch Disconnector Fuse Unit with fuses, open execution type attached to the existing control panel / additional facilities using suitable metal frame work.				
	1 Nos	63 Amps TPN	3733	/Each	(Rs Three thousand seven hundred and thirty three only)	3733
		Market Rate			**Tender PAC**	**324038**
		Item No: 10 - 40Nos. X 828.00	**33120**		**Market Rate**	**33120**
					Tender PAC less cost of Market rate	**290918**
	(Rupees Two lakhs ninety thousand nine hundred and eighteen only)					

Contractor **Director of Physical Plant**