

KERALA AGRICULTURAL UNIVERSITY

Directorate of Physical Plant

No:18

TENDER SCHEDULE

Name of work:- Providing electrification to the Dining hall and Kitchen for Visitors Scientist Home, KAU Main Campus, Vellanikkara

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	25 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)	20725
b	40 Pt	Light point excluding ceiling rose	812	/Point	(Rs Eight hundred and twelve only)	32480
c	12 Pt	Fan points with suitable regulator box and plate	918	/Point	(Rs Nine hundred and eighteen only)	11016
d	1 Pt	Wiring call bell / stair case point / two way light point	1037	/Point	(Rs One thousand and thirty seven only)	1037
2	4 pt	Wiring plug points in the above system along with the wiring of light points using 6 Amps, 3 pin multi plug socket clip in modular type and 6 Amps, SP piano type modular switch - In combined position.	520	/Point	(Rs Five hundred and twenty only)	2080
3	12 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)	4572

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
4		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	200 m	1.50 mm ² - 2 run	98.50 /m		(Rs Ninety eight and Ps. Fifty only)	19700
b	80 m	1.50 mm ² - 4 run	130 /m		(Rs One hundred and thirty only)	10400
c	100 m	2.50 mm ² - 2 run	117 /m		(Rs One hundred and seventeen only)	11700
d	50 m	2.50 mm ² - 4 run	167 /m		(Rs One hundred and sixty seven only)	8350
e	50 m	4.00 mm ² - 2 run	141 /m		(Rs One hundred and forty one only)	7050
f	20 m	4.00 mm ² - 4 run	216 /m		(Rs Two hundred and sixteen only)	4320
g	80 m	6.00 mm ² - 2 run	183 /m		(Rs One hundred and eighty three only)	14640
h	20 m	6.00 mm ² - 4 run	310 /m		(Rs Three hundred and ten only)	6200
i	10 m	10.00 mm ² - 4 run	501 /m		(Rs Five hundred and one only)	5010
5		Supplying and drawing PVC insulated SC copper wire through the existing conduit and giving necessary connection etc. as required.				
a	200 m	1.50 mm ² - single run	26 /m		(Rs Twenty six only)	5200
b	80 m	2.50 mm ² - single run	35 /m		(Rs Thirty five only)	2800
c	60 m	4.00 mm ² - single run	47.50 /m		(Rs Forty seven and Ps. Fifty only)	2850
d	40 m	6.00 mm ² - single run	72 /m		(Rs Seventy two only)	2880
e	10 m	10.00 mm ² - single run	114 /m		(Rs One hundred and fourteen only)	1140

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
6		Supply and providing rigid PVC conduits with specials for wiring / protection / service connection pipe in surface conduit system using conduit saddles, screws etc. as per directions of depl. Officers.				
a	10 m	20 mm size.	61 /m	(Rs Sixty one only)		610
b	5 m	25 mm size.	77.50 /m	(Rs Seventy seven and Ps. fifty only)		388
c	5 m	32 mm size.	106 /m	(Rs One hundred and six only)		530
7		Supplying and drawing bare copper earth conductor along with wiring / cable / through pipes etc as required.				
a	300 m	No.14 SWG (2.03 mm)	28 /m	(Rs Twenty eight only)		8400
b	50 m	No.12 SWG (2.64 mm)	40.50 /m	(Rs Forty and Ps fifty only)		2025
b	50 m	No.10 SWG (3.25 mm)	59 /m	(Rs Fifty nine only)		2950
8	150 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)		2625
9	15 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)		3975
10	2 Nos	Supply and fixing PVC / bakelite pendent holder using 16/0.20 mm PVC insulated and sheathed flexible copper wire.	112 /Each	(Rs One hundred and twelve only)		224
11		Providing lamps to the fixtures.				
a	5 Nos.	CFL 18 W.	224 /Each	(Rs Two hundred and twenty four only)		1120
b	15 Nos	Providing LED Lamp 6/9 W to the fixtures.	204 /Each	(Rs Two hundred and four only)		3060

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
12	1 Nos.	Supply and fixing Call bell Ding Dong type with suitable MS box with hylam sheet cover including connection.				
			367	/Each	(Rs Three hundred and sixty seven only)	367
13	23 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)	20700
14	2 Nos	Supply and fixing surfaced mounted LED lamp fitting, slim round / square panel a body made from Die-cast Alu. and CRCA covering, powder coated in white colour, high efficiency PMMA diffuser liminaries, 18w, 230V, 840 lumens, surge upto 2kV LED lamp complete, including connection using FR multicore PVC insulated and PVC sheathed copper conductor round flexible wire having 0.75sq.mm as per directions of deptl. officers.				
					(Rs One thousand nine hundred and forty eight	
			1948	/Each only)		3896
15	15 Nos.	Supply and fixing recessed LED lamp fitting, slim round/square panel with a body made powder coated in white colour, high efficiency PMMA diffuser luminaries, 18W, 230V, surge upto 2kV LED lamp complete, including connection using multicore PVC insulated copper conductor as per directions of deptl. officers.				
					(Rs One thousand four hundred and fifty four	
			1454	/Each only)		21810

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
16		Supply and fixing 34/38W or nearest, 230V, LED flat panel for surface/recess mounting type, soft light and glare free symmetrical illumination, CRCA powder coated in white colour, frosted PMMA diffuser, including connection using required length of 16/0.20mm PVC insulated and sheathed flexible copper wire				
a	4 Nos	Size 600x600x70 mm (2'x2')			(Rs Six thousand seven hundred and seventy three only)	
			6773	/Each		27092
b	3 Nos	Size 1200x300x70 mm (4'x1')			(Rs Seven thousand three hundred and forty eight only)	
			7348	/Each		22044
17		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.				
a	4 Nos	16 Amps modular type switch.	654	/Each	(Rs Six hundred and fifty four only)	2616
b	4 Nos	20 Amps modular type DP switch	706	/Each	(Rs Seven hundred and six only)	2824
18		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.				
a	2 Nos	2 Way	823	/Each	(Rs Eight hundred and twenty three only)	1646
b	2 No.	3 Way			(Rs One thousand one hundred and forty six only)	
			1146	/Each		2292

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
19		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	1 Nos.	Single phase - 8 Way.			(Rs One thousand five hundred and eleven only)	1511
b	2 Nos.	Single phase -12 Way.	1511	/Each	(Rs Two thousand and five only)	4010
c	1 Nos.	TPN Vertical DB - 6 Way.	2005	/Each	(Rs. Seven thousand one hundred and four only)	7104
20		Supplying and fixing sheet steel phosphatised and painted enclosure for mounting independent MCB / isolators.				
	3 Nos.	2 Pole Enclosure.	379	/Each	(Rs Three hundred and seventy nine only)	1137
21		Supplying and fixing RCCB in position including connection.				
a	3 Nos.	32/40A Double pole	2095	/Each	(Rs Two thousand and ninety five only)	6285
b	1 Nos.	63 A Four pole			(Rs Two thousand eight hundred and forty six only)	2846
22		Supplying and fixing Mini Break isolator in distribution board enclosure including connection.				
a	6 Nos.	32/40 Amps - Double Pole.	481	/Each	(Rs Four hundred and eighty one only)	2886
b	1 Nos.	63 Amps - Four Pole.	929	/Each	(Rs Nine hundred and twenty nine only)	929
23		Supplying and fixing MCB's in position including connection.				
a	30 Nos.	6 to 32 Amps - Single pole 10 KA.	215	/Each	(Rs Two hundred and fifteen only)	6450
b	1 Nos	63 Amps - Three Pole.			(Rs One thousand three hundred and thirty two only)	1332

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
c	5 Nos.	Blanking plate.	19.50	/Each	(Rs Nineteen and Ps fifty only)	98
24	12 Nos.	Providing MS rod type fan clamp suitable for RCC slab neatly painted including chipping the RCC slab and making good surface.	130	/Each	(Rs One Hundred and thirty only)	1560
25	25 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)	4675
26	11 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)	18095
27	11 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)	3322
28	11 Nos	Supply and fixing 100W step type fan electronic regulator modular type socket type to the existing switch board including connection	433	/Each	(Rs Four hundred and thirty three only)	4763
29		Supply and fixing light duty Ex. Fan in plastic body with self opening louvers on 230 V, single phase - Including connection.				
	3 Nos.	250 mm sweep	1705	/Each	(Rs One thousand seven hundred and five only)	5115

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
30		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.				
	2 Nos	Light duty, metal frame 300/305 mm size.				
			2109	/Each	(Rs Two thousand one hundred and nine only)	4218
31	1 No	Supply, installation and commissioning of ring mounted axial frame heavy duty exhaust fan for working on 230V, 305 mm, 900rpm including connection.				
			3018	/Each	(Rs Three thousand and eighteen only)	3018
32	5 Nos	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)	1320
33	4 Nos	Supply and fixing side entry type LED street light luminaries suitable for 25w, 160-270v, IP65, Class I, Surge up to 5KV LED lamps complete with PDC Al. housing with toughened glass with gaskets and fixing position using 25/32mm GI bracket with fixing arrangements including connection using FR Multi-core PVC insulated and PVC sheathed copper conductor round flexible wire having .75sq.mm as per direction of Dept. Officers.				
			2985	/Each	(Rs Two thousand nine hundred and eighty five only)	11940
34		Supplying and drawing 1.1 KV grade PVC insulated and sheathed armoured aluminium power cable as per directions of the Deptl. Officers.				

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
35	50 m	Clamping on wall / ceiling / truss etc. using conduit saddles / metal clamps etc. 4 X 16sq.mm size.	246 /m		(Rs Two hundred and forty six only)	12300
	2 Nos.	Connecting the ends of the heavy duty armoured aluminium power cable to the respective terminals using cable gland and end sockets. 4 X 16sq.mm size.	308 /Each		(Rs Three hundred and eight only)	616
36	1 Nos	Supply and providing plate earthing using 600X600X6.3 mm CI/GI earth plate with required length of 20 mm GI watering pipe with funnel including fixing arrangements, filling charcoal and salt around earth plate, providing man hole with CI cover etc. including civil works complete as per directions of the Deptl. officers.	4783 /Each		(Rs Four thousand seven hundred and eighty three only)	4783
Market Rate			Tender PAC			415657
11 b	15	Nos	173.00	2595	Market Rate	99101
13	23	Nos	828.00	19044	Tender PAC less cost of Market Rate	316556
14	2	Nos	1771.00	3542		
15	15	Nos	1294.00	19410		
16 a	4	Nos	6095.00	24380		
16 b	3	Nos	6670.00	20010		
33	4	Nos	2530.00	10120		
		Total		99101		

(Rupees Three lakhs sixteen thousand five hundred and fifty six only)

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Contractor

Director of Physical plant