

KERALA AGRICULTURAL UNIVERSITY
Directorate of Physical Plant
TENDER SCHEDULE

No:04

Name of work:- KCAET, Tavanur - Rewiring to old Men's Hostel block.

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
1	135 pts	Dismantling the existing insulation failed and damaged old wiring including all fittings and accessories and making good the surface of wall and stacking the materials in position as directed by depl. Officers.		40 /Point	(Rs Forty only)	5400
2		Wiring points in surface conduit system using 20 mm rigid PVC conduit with specials, 1 mm ² FR PVC insulated SC copper wire, suitable MS Box with 16 gauge sheet painted, 3 mm hylam sheet front cover up to and including 6 Amps, SP piano type switch, saddles, screws etc. as per IS specification.				
a	140 pt	Light / light duty exhaust fan point up to and including 6 A, 3 plate ceiling rose.	703 /Point		(Rs Seven hundred and three only)	98420
b	110 pt	Light points excluding ceiling rose	667 /Point		(Rs Six hundred and sixty seven only)	73370
c	40 pt	Fan points with suitable regulator box and hylam sheet cover.	738 /Point		(Rs Seven hundred and thirty eight only)	29520
d	1 pt	Call bell/two way light point	879 /Point		(Rs Eight hundred and seventy nine only)	879
3	10 pt	Wiring plug points in the above system along with the wiring of light points using 6 Amps, 3 pin multi plug socket and 6 Amps, SP piano type switch - in combined position.	287 /Point		(Rs Two hundred and eighty seven only)	2870
4	110 Nos	Providing 6A, 3 pin multi socket and 6A SP piano type switch attached to the switch board.	198 /Each		(Rs One hundred and ninety eight only)	21780
5		Wiring PVC insulated SC copper wire in surface conduit system using suitable rigid PVC conduit with specials, saddles, screws etc as per IS specification.				

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
a	300 m	1.50 mm ² - 2 run	98.50	/m	(Rs Ninety eight and Ps. Fifty only)	29550
b	150 m	1.50 mm ² - 4 run	130	/m	(Rs One hundred and thirty only)	19500
c	125 m	2.50 mm ² - 2 run	117	/m	(Rs One hundred and seventeen only)	14625
d	90 m	2.50 mm ² - 4 run	167	/m	(Rs One hundred and sixty seven only)	15030
e	60 m	4.00 mm ² - 2 run	141	/m	(Rs One hundred and forty one only)	8460
f	40 m	4.00 mm ² - 4 run	216	/m	(Rs Two hundred and sixteen only)	8640
g	75 m	6.00 mm ² - 2 run	183	/m	(Rs One hundred and eighty three only)	13725
h	30 m	6.00 mm ² - 4 run	310	/m	(Rs Three hundred and ten only)	9300
i	50 m	10.00 mm ² - 4 run	501	/m	(Rs Five hundred and one only)	25050
6		Supplying and drawing PVC insulated SC copper wire through the existing conduit and giving necessary connection etc. as required.				
a	40 m	1.00 mm ² - single run	20.50	/m	(Rs Twenty and Ps. Fifty only)	820
b	250 m	1.50 mm ² - single run	26	/m	(Rs Twenty six only)	6500
c	150 m	2.50 mm ² - single run	35	/m	(Rs Thirty five only)	5250
d	75 m	4.00 mm ² - single run	47.50	/m	(Rs Forty seven and Ps. Fifty only)	3563
e	30 m	6.00 mm ² - single run	72	/m	(Rs Seventy two only)	2160
f	10 m	10.00 mm ² - single run	114	/m	(Rs One hundred and fourteen only)	1140
7		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	30 m	20 mm size.	61	/m	(Rs Sixty one only)	1830
b	15 m	25 mm size.	77.50	/m	(Rs Seventy seven and Ps. fifty only)	1163

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
c	5 m	32 mm size.	106 /m		(Rs One hundred and six only)	530
8		Supplying and drawing bare copper earth conductor along with wiring / cable / through pipes etc as required.				
a	600 m	No.14 SWG (2.03 mm)	28 /m		(Rs Twenty eight only)	16800
b	150 m	No.12 SWG (2.64 mm)	40.50 /m		(Rs Forty and Ps fifty only)	6075
c	100 m	No.10 SWG (3.25 mm)	59 /m		(Rs Fifty nine only)	5900
d	50 m	No.08 SWG (4.06 mm)	85 /m		(Rs Eighty five only)	4250
9	300 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)	5250
10	100 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)	26500
11	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
12		Providing lamps to the fixtures.				
a	10 Nos.	GLS lamp 40/60 W.	21.50 /Each		(Rs Twenty one and Ps fifty only)	215
b	100 Nos.	CFL 18 W.	224 /Each		(Rs Two hundred and twenty four only)	22400
13		Supplying and fixing lamp shade to the fittings.				
	10 Nos.	Polished aluminum 200 mm.	69 /Each		(Rs Sixty nine only)	690
14	1 No.	Supply and fixing Call bell Buzzer type with suitable MS box with hylam sheet cover including connection.	294 /Each		(Rs Two hundred and ninety four only)	294
15	10 Nos	Supply and fitting mounting box type fluorescent: lamp fittings 1200 mm made out of CRCA sheet powder coated / stove enameled with electronic choke,lamp holder etc. duly wired up using flat iron bracket / fixing arrangements including connections using 16/ 0.20 mm PVC insulated and sheathed flexible copper wire including lamp. Suitable for 1x36/40 W T8 FTL	1065 /Each		(Rs One thousand and sixty five only)	10650

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
16	10 Nos	Supply and fixing fluorescent fitting with lamp holder, electronic ballast etc. duly wired up and use on 230V AC supply-suitable for 1x28W T5 including lamp	1285 /Each	(Rs One thousand two hundred and eighty five only)		12850
17	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
18		Supply and providing Master control switch using suitable size modular type flush mounting metal switch boxes, modular type front plates etc. including connection.				
	22 Nos	16 A Modular type switch	352 /Each	(Rs Three hundred and fifty two only)		7744
19		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	8 Nos	16 Amps modular type switch.	654 /Each	(Rs Six hundred and fifty four only)		5232
b	8 Nos	20 Amps modular type DP switch	706 /Each	(Rs Seven hundred and six only)		5648
20		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 Nos	3 Way	1146 /Each	(Rs One thousand one hundred and forty six only)		2292
c	4 Nos	4 Way	1370 /Each	(Rs One thousand three hundred and seventy only)		5480

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
21		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	2 Nos.	Single phase - 6 Way.	1356 /Each	(Rs. One thousand three hundred and fifty six only)		2712
b	2 Nos.	Single phase - 8 Way.	1511 /Each	(Rs One thousand five hundred and eleven only)		3022
c	2 Nos.	Single phase -12 Way.	2005 /Each	(Rs Two thousand and five only)		4010
d	1 No.	Three phase - 4 Way (8+12)	2749 /Each	(Rs Two thousand seven hundred and forty nine only)		2749
e	1 No.	Three phase - 6 Way (8+18)	3273 /Each	(Rs Three thousand two hundred and seventy three only)		3273
f	1 No.	Three phase - 8 Way (8+24)	3898 /Each	(Rs Three thousand eight hundred and ninety eight only)		3898
g	1 No.	TPN Vertical DB - 8 Way.	7819 /Each	(Rs Seven thousand eight hundred and nineteen only)		7819
22		Supplying and fixing sheet steel phosphatised and painted enclosure for mounting independent MCB / isolators.				
	2 Nos.	2 Pole Enclosure.	379 /Each	(Rs Three hundred and seventy nine only)		758
23		Supplying and fixing Mini Break isolator in distribution board enclosure including connection.				
a	2 Nos.	25 Amps - Double Pole.	457 /Each	(Rs Four hundred and fifty seven only)		914
b	10 Nos.	32/40 Amps - Double Pole.	481 /Each	(Rs Four hundred and eighty one only)		4810
c	2 Nos.	40 Amps - Four Pole.	856 /Each	(Rs Eight hundred and fifty six only)		1712
d	2 Nos.	63 Amps - Four Pole.	929 /Each	(Rs Nine hundred and twenty nine only)		1858
24		Supplying and fixing MCB's in position including connection.				

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
a	90 Nos.	6 to 32 Amps - Single pole 10 KA.	215	/Each	(Rs Two hundred and fifteen only)	19350
b	1 No.	32 Amps Double Pole	586	/Each	(Rs Five hundred and eighty six only)	586
c	2 Nos.	40 Amps - Three Pole.			(Rs One thousand one hundred and thirty	
			1133	/Each	three only)	2266
d	2 Nos	63 Amps - Three Pole.			(Rs One thousand three hundred and thirty	
			1332	/Each	two only)	2664
e	15 Nos.	Blanking plate.	19.50	/Each	(Rs Nineteen and Ps fifty only)	293
25	1 No.	Supply and fixing MCCB to the distribution/enclosure in position including connection - 63/100A 4 pole - 25 KA			Seven thousand four hundred and sixty one	
			7461	/Each	only)	7461
26	10 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)	1300
27	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
28	10 Nos.	Supply of AC ceiling fan 1200 mm sweep capacitor type with double ball bearing complete with down rod shackle canopies			(Rs One thousand six hundred and forty five	
			1645	/Each	only)	16450
29	10 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)	3020
30	35 Nos	Supply and fixing 100W step type electronic fan regulator modular type socket type to the existing switch board including connection				
			433	/Each	(Rs Four hundred and thirty three only)	15155
31		Supply and fixing light duty Ex. Fan in plastic body with self opening louvers on 230 V, single phase - Including connection.				
a	1 No.	150 mm sweep			(Rs One thousand five hundred and eighteen	
			1518	/Each	only)	1518

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
b	1 No.	250 mm sweep			(Rs One thousand seven hundred and five only)	1705
32		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 No.	Light duty, metal frame 300/305 mm size.	2109	/Each	(Rs Two thousand one hundred and nine only)	2109
33	1 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)	264
34	2 Nos	Supply and providing independent ordinary pipe earthing using 50 mm dia GI pipe 1.85 m long suitable GI bolt, nut and washer, filling with charcoal and salt around the pipe including earth work excavation and masonry works required.			(Rs One thousand nine hundred and eighty nine only)	3978
35		Providing GI pipe as protective cover to the earth lead.				
a	10 m	15 mm or nearest size.	106	/m	(Rs One hundred and six only)	1060
b	5 m	25 mm or nearest size.	163	/m	(Rs One hundred and sixty three only)	815
36	2 No	Supply and fixing side entry type LED street light luminaries suitable for 40w,120-270v, 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.			(Rs Four thousand nine hundred and thirty six only)	9872
			4936	/Each		

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
37	1 Set	Providing 63 Amp HRC type porcelain cut out (3 Nos) with neutral link to the metal board already provided including connection using required PVC insulated copper wire.	1228	/Each	(Rs One thousand two hundred and twenty eight only)	1228
38		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.				
a	100 m	4 X 10sq.mm size.	211	/m	(Rs Two hundred and eleven only)	21100
b	70 m	4 X 16sq.mm size.	246	/m	(Rs Two hundred and forty six only)	17220
39		Connecting the ends of the heavy duty armoured aluminium power cable to the respective terminals using cable gland and end sockets.				
a	6 Nos.	4 X 10sq.mm size.	267	/Each	(Rs Two hundred and sixty seven only)	1602
b	2 Nos.	4 X 16sq.mm size.	308	/Each	(Rs Three hundred and eight only)	616
		Market Rate			Tender PAC	749057
		Item No:15 - 10x747.50	7475		Market Rate	49221
		Item No:17 - 40x828.00	33120		Tender PAC less cost of Market rate	699836
		Item No:36 - 2x4313.00	8626			
			49221			
(Rupees Six lakhs ninety nine thousand eight hundred and thirty six only)						

Contractor

Director of Physical Plant