

KERALA AGRICULTURAL UNIVERSITY

Directorate of Physical Plant

No: 20

TENDER SCHEDULE

Name of work:- Electrification of BABU JAGAJIVAN RAM CHHATRAWAS YOJANA - Ladies Hostel for SC / ST Students at CoA, Vellayani.

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
1		Wiring points in surface / semi concealed conduit system (6Points) using 20 mm rigid PVC conduit medium guage with specials and 1mm ² PVC insulated FR SC copper wire. The conduit on the wall shall be clamped using saddles, suitable size modular type flush mounting metal switch boxes duly concealed, modular type of front plates, clip in modular type 6A, SP piano type switch etc. as per IS Specifications and making good the surface as per directions of departmental officers.				
a	169 Pt	Light / light duty exhaust fan points up to and including 6A, 3 plate ceiling rose.	1051 /Point		(Rs One thousand and fifty one only)	177619
b	77 Pt	Light point excluding ceiling rose	1034 /Point		(Rs One thousand and thirty four only)	79618
c	66 Pt	Fan points with suitable regulator box and plate			(Rs One thousand one hundred and forty eight only)	75768
2	5 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)	2600
3	34 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)	12954

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	650 m	1.50 mm ² - 2 run	98.50 /m		(Rs Ninety eight and Ps. Fifty only)	64025
b	100 m	1.50 mm ² - 4 run	130 /m		(Rs One hundred and thirty only)	13000
c	100 m	2.50 mm ² - 2 run	117 /m		(Rs One hundred and seventeen only)	11700
d	2 m	2.50 mm ² - 4 run	167 /m		(Rs One hundred and sixty seven only)	334
e	2 m	4.00 mm ² - 2 run	141 /m		(Rs One hundred and forty one only)	282
f	40 m	4.00 mm ² - 4 run	216 /m		(Rs Two hundred and sixteen only)	8640
g	2 m	6.00 mm ² - 2 run	183 /m		(Rs One hundred and eighty three only)	366
h	10 m	6.00 mm ² - 4 run	310 /m		(Rs Three hundred and ten only)	3100
5		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	100 m	20 mm size.	61 /m		(Rs Sixty one only)	6100
b	1 m	25 mm size.	77.50 /m		(Rs Seventy seven and Ps. fifty only)	78
c	1 m	32 mm size.	106 /m		(Rs One hundred and six only)	106
6		Supplying and drawing bare copper earth conductor along with wiring / cable / through pipes etc as required.				
a	850 m	No.14 SWG (2.03 mm)	28 /m		(Rs Twenty eight only)	23800
b	110 m	No.10 SWG (3.25 mm)	59 /m		(Rs Fifty nine only)	6490
c	25 m	No.08 SWG (4.06 mm)	85 /m		(Rs Eighty five only)	2125
7	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

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
8		Supplying and drawing PVC insulated SC copper wire through the existing conduit and giving necessary connection etc. as required.				
a	50 m	1.50 mm ² - single run	26 /m		(Rs Twenty six only)	1300
b	80 m	1.50 mm ² - 2 run	45 /m		(Rs Forty five only)	3600
c	60 m	2.50 mm ² - single run	35 /m		(Rs Thirty five only)	2100
d	20 m	4.00 mm ² - single run	47.50 /m		(Rs Forty seven and Ps. Fifty only)	950
e	2 m	6.00 mm ² - single run	72 /m		(Rs Seventy two only)	144
f	30 m	10.00 mm ² - single run	114 /m		(Rs One hundred and fourteen only)	3420
9	90 m	Supplying and drawing Cat 6 UTP Cable through the existing conduit/trunking and giving necessary connection etc. as required.	46 /m		(Rs Forty six only)	4140
10	3 Nos.	Providing CAT 6 computer jack (RJ 45) modular type using metal box and front cover including connection etc.	597 /Each		(Rs Five hundred and ninety seven only)	1791
11	10 m	Supplying and drawing PVC insulated and PVC sheathed copper conductored Telephone pair cables for indoor (2pairs) application (un-armoured) confirming to ITD specifications - 0.50mm dia.	26 /m		(Rs Twenty six only)	260
12	1 Nos.	Providing telephone jack modular type using metal box and front cover including connection etc.	315 /Each		(Rs Three hundred and fifteen only)	315
13	77 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)	20405
14	1 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)	112
15		Providing lamps to the fixtures.				

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
	77 Nos.	CFL 18 W.	224	/Each	(Rs Two hundred and twenty four only)	17248
16	28 Nos	Supply and fixing surfaced mounted LED slim round a body made from Die-cast Alu. and CRCA covering, powder coated in white colour, high efficiency PMMA diffuser luminaries, 12w, 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 depl. officers.	1040	/Each	(Rs One thousand and forty only)	29120
17	11 Nos	Supply and fixing surfaced mounted LED lamp fitting, slim round / square panel with a body made from Die-cast Alu. and CRCA covering, powder coated in white colour, high efficiency PMMA diffuser luminaries, 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 depl. officers.	1948	/Each	(Rs One thousand nine hundred and forty eight only)	21428
18	6 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)	17910

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
19	97 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)	87300
20		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.				
21	6 Nos	16 Amps modular type switch.	654	/Each	(Rs Six hundred and fifty four only)	3924
		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.				
22	70 Nos	2 Way Supplying and fixing RCCB in position including connection.	823	/Each	(Rs Eight hundred and twenty three only)	57610
a	1 Nos.	32/40A Double pole	2095	/Each	(Rs Two thousand and ninety five only)	2095
b	3 Nos.	40 A Four pole	2498	/Each	(Rs Two thousand four hunred and ninety eight only)	7494
23		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.	1511	/Each	(Rs One thousand five hundred and eleven only)	1511

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
b	3 Nos.	Single phase -12 Way.	2005	/Each	(Rs Two thousand and five only)	6015
c	1 No	Three phase - 6 Way (8+18)	3273	/Each	(Rs Three thousand two hundred and seventy three only)	3273
d	2 No	Three phase - 8 Way (8+24)	3898	/Each	(Rs Three thousand eight hundred and ninety eight only)	7796
e	3 Nos.	TPN Vertical DB - 6 Way.	7104	/Each	(Rs. Seven thousand one hundred and four only)	21312
24		Supplying and fixing Mini Break isolator in distribution board enclosure including connection.				
a	5 Nos.	32/40 Amps - Double Pole.	481	/Each	(Rs Four hundred and eighty one only)	2405
b	4 Nos.	40 Amps - Four Pole.	856	/Each	(Rs Eight hundred and fifty six only)	3424
c	1 Nos.	63 Amps - Four Pole.	929	/Each	(Rs Nine hundred and twenty nine only)	929
25		Supplying and fixing MCB's in position including connection.				
a	92 Nos.	6 to 32 Amps - Single pole 10 KA.	215	/Each	(Rs Two hundred and fifteen only)	19780
b	6 Nos.	40 Amps - Three Pole.	1133	/Each	(Rs One thousand one hundred and thirty three only)	6798
c	3 Nos.	Blanking plate.	19.50	/Each	(Rs Nineteen and Ps fifty only)	59
26		Supplying and fixing sheet steel phosphatised and painted enclosure for mounting independent MCB / isolators.				
a	1 Nos.	2 Pole Enclosure.	379	/Each	(Rs Three hundred and seventy nine only)	379
b	1 Nos.	4 Pole Enclosure.	408	/Each	(Rs Four hundred and eight only)	408
27	66 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)	8580

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
28	66 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)	108570
29	66 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)	28578
30	66 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)	19932
31	27 Nos.	Supply and fixing light duty ex. Fan in plastic body with self opening louvers on 230 V, single phase - 150 mm sweep Including connection.	1518	/Each	(Rs One thousand five hundred and eighteen only)	40986
32	27 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)	7128
33	1 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.	1989	/Each	(Rs One thousand nine hundred and eighty nine only)	1989
34	110 m	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. 4 X 16sq.mm size.	246	/m	(Rs Two hundred and forty six only)	27060

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
35		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 16sq.mm size.	308	/Each	(Rs Three hundred and eight only)	616
36		Supply and fixing TPN Switch Disconnecter 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			(Rs Three thousand seven hundred and thirty three /Each three only)	3733
Market Rate					Tender PAC	1097882
Item No: 16 - 28Nos x 852.50			23870		Market rate	138847
Item No: 17 - 11Nos x 1771.00			19481		Tender PAC less cost of Market rate	959035
Item No: 18 - 6Nos x 2530.00			15180			
Item No: 19 - 97Nos x 828.00			80316			
			138847			
(Rupees Nine lakhs fifty nine thousand and thirty five only)						

Contractor

Director of Physical Plant