

KERALA AGRICULTURAL UNIVERSITY
DIRECTORATE OF PHYSICAL PLANT
TENDER SCHEDULE

Name of work-Electrical Alterations required for Solar Power system at Karshaka Bhavan , Vellanikkara.						No.12
Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
1	13 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)	520
2		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	140 m	1.50 mm ² - 2 run	98.50 /m		(Rs Ninety eight and Ps. Fifty only)	13790
b	20 m	6.00 mm ² - 2 run	183 /m		(Rs One hundred and eighty three only)	3660
3		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.				
	2 m	20 mm size.		61 /m	(Rs Sixty one only)	122
4		Supplying and drawing bare copper earth conductor along with wiring / cable / through pipes etc as required.				
a	160 m	No.14 SWG (2.03 mm)	28 /m		(Rs Twenty eight only)	4480
b	60 m	No.12 SWG (2.64 mm)	40.50 /m		(Rs Forty and Ps fifty only)	2430
5	20 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)	350
6		Supplying and drawing PVC insulated SC copper wire through the existing conduit and giving necessary connection etc. as required.				
a	10 m	1.50 mm ² - single run	26 /m		(Rs Twenty six only)	260
b	10 m	6.00 mm ² - single run	72 /m		(Rs Seventy two only)	720

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
7	13 Nos.	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.	4936	/Each	(Rs Four thousand nine hundred and thirty six only)	64168
8	1 Nos.	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.	1511	/Each	(Rs One thousand five hundred and eleven only)	1511
9	1 Nos.	Supplying and fixing Mini Break isolator in distribution board enclosure including connection.	481	/Each	(Rs Four hundred and eighty one only)	481

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
10		Supplying and fixing MCB's in position including connection.				
	4 Nos.	6 to 32 Amps - Single pole 10 KA.	215	/Each	(Rs Two hundred and fifteen only)	860
11	2 Nos.	Supply and fixing 40 A Double pole 2way with centre off, change over switch suitable for mounting on MCB DB including connection as per directions of deptl.officers.			(Rs One thousand nine hundred and ninety two only)	3984
12		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
13		Supplying, drawing and laying PVC insulated and PVC sheathe armoured heavy duty aluminium power cable 1.1 KV grade through cable trenches/pipes/Clamping on wall/ceiling/truss etc. using conduit saddles / metal clamps-				
	60 m	2x10 mm2 size.	155	/m	(Rs One hundred and fifty five only)	9300
14		Connecting the ends of the heavy duty armoured aluminium power cable to the respective terminals using cable gland and end sockets -				
	2 Nos	2x10 mm2 size.	222	/Each	(Rs Two hundred and twenty two only)	444
15		Providing celing rose to the existing wiring in position				
	12 Nos	ThreePlate	31.50	/Each	(Rs Thirty one and Ps fifty only)	378
16	12 Nos	Providing PVC junction box in position	31	/Each	(Rs Thirty one only)	372
		MARKET RATE			TENDER PAC	108588
7	13 Nos		4313.00	56069.00	Deduct Market Rate	59979
11	2 Nos		1955.00	3910.00	Tender PAC less cost of MR	48609
	Total			59979.00		
(Rupees Forty eight thousand six hundred and nine only)						

Contractor

Director of Physical Plant

Item No.	Quantity	Description	Rate	Per Unit	(Rate in words)	Amount
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