

STAFF QUARTERS, JABUGAM (E1,D1, D AND C TYPE)  
**SCHEDULE-B (ELECTRIFICATION WORKS)**

**ANAND AGRICULTURAL UNIVERSITY**  
**ANAND**  
**SCHEDULE : B :**

Name of work :- ELECTRIFICATION TO QUARTERS FOR AGRICULTURE COLLEGE AT A.A.U., JABUGAM.

it no	Description	Qty.						Rate	Per	Amount
		E1	D1	D	C	Pass.	Total			
1	Providing / Fixing Point wiring for light/Bell with 2-1.5Sqmm & earth wire of 1.5 Sqmm (green)/both are of ISI marked 1.1KV grade FRLS PVC insulated multistandard copper wire in with medium Class Rigid PVC pipe and accessories. Of pipe to be erected on surface on /Wall&ceilling complete with 6A modular type switch/bell push and accessories & earth continuity of following type erected on PVC/ Metallic box ,single mounting base frame covered with textured/metallic front plate modules erected on/in wall/ceiling as per pipe erected, with necessary Lamp holder/ceiling rose/H.D connector as directed using Cat -III Material as per brand attached herewith & as per drawings etc complete as directed by Engineer incharge	29.00	80.00	72.00	68.00	12.00	261.00 pts	424.20	pt	110716.20
2	Providing & fixing Point wiring for FAN with 2-1.5Sqmm & earth wire of 1.5 Sqmm (green)/both are of ISI marked 1.1KV grade FRLS PVC insulated multistandard copper wires in with medium Class Rigid PVC pipe and accessories. Of pipe to be erected on surface on /Wall&ceilling complete with 6A modular type switch and and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC/Metallic box, single mounting base frame cover with textured/metallic front plate modules erected on/in wall/ceiling as per pipe erected. with necessary ceiling rose/H.D connector as directed Cat-III material as per brand attached herewith & as per drawings etc complete as directed by Engineer incharge	7.00	28.00	28.00	20.00	0.00	83.00 pts	606.00	pt	50298.00

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3	Providing & fixing Point wiring for looped plug with 6 Amp modular type switch and 5 pin socket erected PVC/ Metallic box ,Single mounting base frame covered with textured/ metallic front plate modules erected on in wall ceiling with following type accessories Cat-III Material as per brand attached herewith as per drawings etc complete as directed by Engineer incharge	19.00	48.00	44.00	32.00	0.00	143.00 nos	242.00	No	34606.00
4	Providing & fixing Point wiring for individual Plug with earth wire of 1.5Sqmm (green) both are of ISI marked 1.1KV grade FRLS.PVC insulated multistrand copper wires ,in Following type of to be erected Concealed in /on surface of wall & ceiling erected complete with modular type switch & 5 pin plug erected on PVC/metallic box covered with appropriate front plate modules erected on wall/ceiling as per pipe erected with following type of accessories Cat -III Material as per brand attached herewith as per drawings etc complete as directed by Engineer incharge (I) (For 6A Pluge with 2-1.5Sqmm copper wire)	6.00	20.00	16.00	12.00	0.00	54.00 pts	449.45	pt	24270.30
5	Providing & fixing following type of modular type accessories mounted with PVC /Metallic box single mounting base frame covered with textured/metallic front plate modules erected with Necessary connection as desired by engineer in charge. using sp Cat-III Material as per brand attached herewith & as per drawings etc complete as directed by Engineer incharge									
	(a) 16A one-way switch SP Cat-III	11.00	24.00	20.00	16.00	0.00	71.00 nos	181.80	No	12907.80
	(b) 6/16 Univesal socket cat III	11.00	24.00	20.00	16.00	0.00	71.00 nos	202.00	No	14342.00
	(c) 16/20/25 amp. Modular Starter for Motor/A.C. Unit Complete	3.00	0.00	0.00	0.00	0.00	3.00 nos	500.00	no	1500.00

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6	Supplying & Erecting LED indoor fitting with LEDs of wattage 0.2Watt to 0.5Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet steel conforming to IS:513/CRCA polyester powder coated and high U.V. & corrosion resistance with diffuser and/or polycarbonate optics with company mark/ name 120 to 300 V, Power Factor more than 0.9, THD < 10%, CCT 4000 K to 6500K, Uniformity ratio > 0.7, Luminaire efficacy>85 lumens/watt, LED driver efficiency > 85% CREE/OSRAM /PHILIPS Lumileds/NICHIA/SEOUL/ Bridgelux (U.S.A.) make LED used for luminaire. (Each fitting required LM-79 & LM-80 certificates) etc complete as per instruction of EIC & as per drawings (a) Cat-III, Tube Light with integral/non-integral driver of 20-22 watts, Surge - 4KV, IP-20, 4 feet	9.00	16.00	12.00	8.00	16.00	61.00 nos	789.82	No	48179.02
7	(b)Squre/Circilar Surface/Recessed Mounted Downlight with Provision for spring loaded mounting clips complete 10-15 Watts, Surge-4 KV CAT-III.	2.00	0.00	0.00	0.00	0.00	2.00 nos	896.88	No	1793.76
8	Providing & erecting approved make power saving 50Watt ceiling Fan with double ball bearing ISI mark condenser 230v A.C 50hz 1200mm sweep complete having 3 Aluminum blades with canopy and 30cms down rod erected with 24/0.2,3core flexible wire with earthling Material as per brand attached herewith &as per drawings etc complete as directed by Enginner incharge	5.00	16.00	12.00	8.00	0.00	41.00 nos	2090.70	No	85718.70
9	Supplying & erecting approved make Call Bell indiactor with buzzing sound and red light indicating lamp with Red light button to attend the call suitable for 240V 50Cs supply to be erected Material as per brand attached herewith &as per drawings etc complete as directed by Engineer incharge	1.00	4.00	4.00	4.00	0.00	13.00 nos	151.50	No	1969.50

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10	Point wiring for Two Way controlled light point with 2-1.5 Sqmm & earth wire of 1.5 Sqmm (Green) both are Of .ISI Marked 1.1Kv gread FRLS PVC Insulated multistrand copper wires with medium class Rigid pvc pipe and accessories of pipe to be erected concealed in /flushed on wall/ceiling completed with 6A modular type switches and following type of accessories erected on PVC /Metallic box Single mounting base frame covered with textured/ metallic front plat /Modules erected on/ in wall / ceiling as per pipe erected with necessary batten angele holder or ceiling rose or HD connector as directed using Cat -III Material as per brand attached herewith & as per drawings etc complete as directed by Engineer incharge	1.00	0.00	0.00	0.00	4.00	5.00 nos	553.30	No	2766.50
11	Providing & erecting sheet steel powder coated MCB distribution board-flush/ surface mounted fitted with busbar, neutral link, earth bar & DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos of MCB (The DBs should be used of same company of MCB to be used) (N) Three phase 8 way S.S.double door for single phase outgoing horizontal box etc complete as per drawing & as directed by EIC.	1.00	4.00	4.00	4.00	1.00	14.00 nos	2959.30	No	41430.20
12	Providing & erecting sheet steel powder coated <b>MCB distribution</b> board-flush/ surface mounted fitted with busbar, neutral link, earth bar & DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos of MCB (The DBs should be used of same company of MCB to be used) (H) Single phase 12 way S.S.double door for single phase outgoing horizontal box etc complete as per drawing & as directed by EIC.	2.00	4.00	4.00	4.00	0.00	14.00 nos	1292.80	No	18099.20
13	P/F cat-III Miniature circuit breaker single pole 6 A to 32 A suitable to operate on 240V A.C. system & having overload & short circuit tripping elements & breaking capacity 10 KA to be erected in existing MS box confirming to IS 8828/1996 with ISI mark etc complete as per drawing & as directed by EIC.	20.00	40.00	40.00	40.00	10.00	150.00 nos	116.15	No	17422.50

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it no	Description	Qty.						Rate	Per	Amount
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15	Providing and erecting <b>Double pole MCB</b> Isolator AC 22 duty confirms to IS 13947-3 240V 40A with PVC box using material as per brand attached herewith & as per drawings etc complete as directed by Engineer incharge	2.00	4.00	8.00	4.00	1.00	19.00 nos	323.20	No	6140.80
16	Supplying and erecting funnel type earthling having earth plate 45 x 45 x 0.35 cms CI earth plate buried in specifically prepared earth pit 3.00 mt below ground with 40 kg charcoal and salt with alternate layer of charcoal and salt 20 mm dia G.I. pipe with funnel with a wire mesh for watering & brick masonry block C.I. cover complete as per para 7.3 of IS3043 with necessary length of double G.I. / copper earth wire No. 6 SWG bolted with lug to the plate and covered in 12 mm dia G.I pipe 2.5 mt long complete connected to the nearest switch gear with end socket as per direction and duly tested by earth tester confirming to ISS (as per drawing)	1.00	4.00	4.00	4.00	0.00	13.00 nos	3030.00	No	39390.00
17	Providing approved make Double Pole palstic switch and fuse 250V, 30A confirming to IS erected on polished wooden block as directed.	1.00	4.00	4.00	4.00	1.00	14.00 nos	151.50	No	2121.00
18	Providing & fixing Main with 2wire 2.5 Sqmm 1.1KV grade FRLS PVC insulated ISI marked standard Copper conductor wire with medium class Rigid PVC pipe and accessories of pipe to be erected on surface on wall/ceiling with 1.5 sqmm copper conductor FRLS PVC insulated standard wire of green colour for earth continuity using .Material as per brand attached herewith &as per drawings etc complete as directed by Engineer incharge	150.00	712.00	580.00	392.00	80.00	1914.00 mtrs	80.80	mtr	154651.20

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19	Providing & fixing Main with 2 wire 4.0 Sqmm 1.1KV grade FRLS PVC insulated ISI marked standard Copper conductor wire with medium class Rigid PVC pipe and accessories of pipe to be erected on surface on wall/ceiling with 2.5 sqmm copper conductor FRLS PVC insulated standard wire of green colour for earth continuity using material as per brand attached herewith & as per drawings etc complete as directed by Engineer incharge	83.00	68.00	84.00	100.00	0.00	335.00 mtrs	111.10	mtr	37218.50
20	P/F Main with 2x6.0 sqmm 1.1 KV grade FRLS PVC insulated ISI marked stranded copper conductor wire in with medium class rigid PVC pipe and accessories of pipe to be erected concealed in/flushed on wall/ceiling with 2.5 Sq.mm copper conductor FRLS PVC insulated stranded wire of green color for earth continuity using material as per brand attached herewith & as per drawings etc complete as directed by Engineer incharge	29.00	0.00	0.00	0.00	0.00	29.00 mtrs	146.45	mtr	4247.05
<b>Total Rs.</b>		<b>709788.23</b>								

Sign of contractor

Executive Engineer