

Name of the Work: Construction of Food Science Laboratory					
Sub Head : Electrical BoQ					
Sl. No.	Item Description	Quantity	Unit	Rate (Nu.)	Amount (Nu.)
1	Wiring for light & exhaust fan point with 1.5 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe with modular type switch, frames and metal box along with ceiling rose and other required accessories including connections, painting, testing and commissioning etc. as required				
	Light Point	26.00	nos		
2	Wiring for ceiling fan point with 1.5 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe with modular type electronic fan regulator, frames and metal box along with ceiling rose, MS hook and and other required accessories including connections, painting, testing and commissioning etc. as				
	Fan Point	11.00	nos		
3	Wiring for 16A socket with 4 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe with modular type 16A switch and socket, frames and metal box including 2.5sq.mm green pvc insulated Cu. cond. for earthing and other required accessories including connections, painting, testing and commissioning etc. as required				
	16A socket point	24.00	nos		
4	Wiring for telephone outlet point with PVC insulated & sheathed copper conductor 0.5mm dia telephone wire in recessed HDPE pipe with modular type RJ11 socket, frames and metal box and other required accessories including connections, painting, testing and commissioning etc. as required				
	Telephone Point	1.00	nos		
5	Wiring for lighting circuit with 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as				
	2x2.5 sq.mm	300.00	m		

6	Wiring for sub-main with 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as required				
	4x10 sq.mm	<b>30.00</b>	<i>m</i>		
7	Supply and fixing, testing and commissioning Light Fittings				
7.a	4' (1x18/20W) LED tube light set, surface mounted, BSB approved/havels/equivalent brand	<b>12.00</b>	<i>set</i>		
7.b	Slim panel downlight LED MARC/DLSQ/12W, BSB approved/havels/equivalent brand	<b>14.00</b>	<i>set</i>		
8	Supply and fixing, testing and commissioning of ceiling fan fittings with 120W electronic regulator and 10mm dia MS hook including necessary cutting, connection, testing, etc as required for complete work.				
	1200mm sweep	<b>11.00</b>	<i>set</i>		
9	Supply and fixing, testing and commissioning double door type SPN Distribution Board				
	4way	<b>3.00</b>	<i>nos</i>		
10	Supply and fixing, testing and commissioning double door type TPN Distribution Board				
	6way	<b>2.00</b>	<i>nos</i>		
	8way	<b>1.00</b>	<i>nos</i>		
11	Supply and fixing, testing and commissioning Single pole MCBs				
	Single pole MCB: 6A	<b>37.00</b>	<i>nos</i>		
	Single pole MCB: 16A	<b>24.00</b>	<i>nos</i>		
12	Supply and fixing, testing and commissioning Four pole MCBs				
	4 pole MCB, 40A	<b>2.00</b>	<i>nos</i>		
	4 pole MCB, 50A	<b>1.00</b>	<i>nos</i>		
13	Supply and fixing, testing and commissioning RCCB sensitivity 100mA				
	RCCB: 40A, 4pole	<b>2.00</b>	<i>nos</i>		
	RCCB: 63A, 4pole	<b>1.00</b>	<i>nos</i>		
14	Supply and fixing, testing and commissioning MCCB, breaking capacity as mentioned				

	MCCB: 300A, 4pole, breaking capacity 25KA	<b>1.00</b>	<i>nos</i>		
15	Supply and fixing, testing and commissioning of pre-fabricated MS busbar chamber with copper/Al. busbar complete with all accessories etc. as required				
	4 strips, 300mm bar, 300A	<b>1.00</b>	<i>nos</i>		
16	Supply and fixing, testing and commissioning of 4 pole metal clad commercial/industrial type plug & socket outlet with earth terminal and incoming control gear MCB etc. in existing 32mm diameter HDPE pipe from the DB to the points as required, 415 volts A.C 32A	<b>4.00</b>	<i>each</i>		
17	Providing and fixing, testing and commissioning of earthing including all accessories, machinery enclosure, C.I cover plate having locking arrangement, watering pipe with excavation and refilling work including charcoal or coke and salt complete as required as per standard earthing drawing with 25x4mm copper strip up to 50m complete set.	<b>1.00</b>	<i>each</i>		
	With copper earth plate 600x600x3mm				
17	Providing and fixing, testing and commissioning of 25mm dia 900mm long copper tube four prong at top with 85mm dia 3mm thick copper base plate with 25x4mm copper strip up to 50m complete set.	<b>1.00</b>	<i>set</i>		
18	Providing and fixing of termite resistant wooden distribution boards with GI wiremesh shutter panel having locking arrangement, with all accessories, fittings, painting of box complete				
	900x600x230 deep (Internal finished sizes)	<b>1.00</b>	<i>set</i>		
19	Supplying, fixing, testing and commissioning of exhaust fan 240 volt A.C 900 rpm with all accessories such as frame with arm 3 Nos., sweep 3 Nos., condenser and fan body etc. complete as required				
	300mm sweep	<b>6.00</b>			

20	Supply and laying of armoured underground cables in cable trenches for supply mains between distribution feeders and service connections to buildings				
	Main Service cable 4- core XLPE Armour cable 95sq.mm	<b>40.00</b>	<i>m</i>		
	<b><i>Electrical Work Total Amount</i></b>				