

**Project Title : Guest House Electrical  
BOQ -B**

Sl. No	Description of Item	Qty	Unit	Rate (Nu.)	Rate in words	Amount Nu.
<b>A</b>	<b>WIRING</b>					
1	Providing and drawing wiring for light, fans, call bell and 2 pin light socket outlet with 2x1.5 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as required for light point (RR Kabel /Lapp Kabel /EMGEE Cable). Including providing 6A 1-way modular switches, PVC Surface mounting modular boxes / m.s modular boxes & etc, wherever required stictly as per the drawings and specifications (M.K make or equivalent)					
1.1	One point controlled by one 6Amps switch (Primary Point)					
1.1.a	Short Point	28	Point			
1.1.b	Medium Point	22	Point			
2	Providing & drawing 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 required (RR Kabel/Lapp Kabel/ EMGEE Cable make or equivalent)					
2a	2x2.5sq. mm	65	ms			

3	<p>Providing &amp; drawing wiring for 5/6 pin, 6/16 ampere plug point with 4sq.mm. 1.1KV grade, PVC insulated copper conductor cable in recessed HDPE Pipe with providing and fixing 5/6 pin, 6/16 ampere socket outlet and switch including earthing the third pin, connctions, Painting, testing and commissioning etc as required (RR Kabel/Lapp Kabel/ EMGEE Cable make or equivalent), The switches and sockets should be of modular type with all the accessories as required. (M.K make or equipment)</p>					
3a	Medium Point	4	Point			
3b	Long Point	6	Point			
5	<p>Providing &amp; drawing Wiring for Sub-main with 1.1kV grade PVC insulated multistrand copper conductor cable in recessed HDPE Pipe including connections, painting , testing and commissioning etc. as required (RR Kabel/Lapp Kabel/ EMGEE Cable make or equivalent). Main Busbar to various SDB as per MCPB drawing.</p>					
5a	4 X 10sq. mm	35	ms			

6	Supplying of 4Core 150 sq. mm Al. Ar. UG Cables, 1.1KVG, A.C for Main supply from the Sub-Station to the Main Control Panel located behind the dining hall. (Actual length as per the site condition after finalizing the location of sub-station)					
6a	4 Core 35sq.mm PVC insulated Al. Ar. Cable	60	ms			
7	Laying of one number PVC insulated and sheathed power cable copper/aluminium,armoured/ un-armoured 1.1KV single core to four core direct in the ground including excavation, sand cushioning, protective covering and refilling the trenches etc. as required					
7a	Above 25sq.mm to70 sq. mm	60	ms			
	<b>SUB-TOTAL of WIRING</b>					
<b>B</b>	<b>FITTING &amp; ACCESSORIES</b>					
1	Supplying of prewired indoor fluorescent lamp luminaires housing of CRCA sheet steel rail, end with lamp holders, copper wound ballast, starter, starter holder, terminal block etc. but without lamp,HPF suitable for surface or pendant mounting .Mounting box type with opal acrylic difuser 1x36/40 watt.	24	Nos			

2	Supplying of prewired indoor lamp luminaires suitable for GLS lamp maximum upto 60 watts with complete accessories such as base, holder and glass globe but without lamp, specialdrumlite dia 225, milky projection, 115 finish	16	Nos			
3	S/F fluorescent lamp TL-36/40watts (Philips/ Anchor/ Osram)	24	Nos			
4	GLS Lamp, 40 watts	16	Nos			
5	Supplying of ceiling fan 240 volt AC 1400 rpm with all accessories such as down rod, sweep 3 nos, canopy 2 nos condenser and fan body etc complete as required, 900 mm sweep	10	Nos			
	<b>SUB-TOTAL of FITTING &amp; ACCESSORIES</b>					
<b>C</b>	<b>CONTROL GEARS &amp; BUSBAR</b>					
1	Supplying of Aluminium alloy/wrought aluminium busbar complete with all accessories etc. to accommodate in prefabricated MS Cubical panel board as required					
1a	2 STRIP, 300mm AL. Alloy Busbar, 100A	1	Nos			
2	Supplying of miniature circuit breaker (MCB) single pole, 230 volt A.C complete with all accessories suitable to fix on a din-bar etc, as required. (SQCA Category A or equivalent make)					
2a	6A	6	Nos			
2b	16A	10	Nos			

3	Supplying of minature circuit breaker (MCB) double pole with neutral,230 volt A.C complete with all accessories suitable to fix on a din-bar etc, as required. (SQCA Category A or equivalent make)					
3a	25 A	2	Nos			
4	Supplying of residual current circuit breaker (RCCB) double pole, sensitivty 100mA, 230volt A.C complete with all accessories suitable to fix on a din-bar etc, as required. (SQCA Category A or equivalent make)					
4a	25 A	2	Nos			
5	Supplying of panel moulded case circuit breaker (MCCB) with electronic release, breaking capacity 36kA, 4pole, 415 volt AC complete with all accessories etc as required.					
5a	63A	1	Nos			
6	Supply of SPN distribution board (DIN type) with metal door, 230 volt A.C complete with all accessories without MCB/isolator/RCCB out going or incoming etc. as require					
6a	8 ways	2	Nos			
	<b>SUB-TOTAL of SUBMAINS &amp; SWITCHGEARS</b>					
<b>D</b>	<b>ERECTION/ INSTALLATION</b>					

1	Installation, testing and commissioning of prewired fluorescent fittings of all Surface type complete with all accessories and tubes directly on ceiling/wall as required including connection with PVC insulated copper conductor.	50	Nos			
2	Installation, testing & commissioning of aluminium alloy/wrought aluminium bus bar complete with all accessories to accommodate MS cubical control panel board including connections etc. as required.					
2a	2strips,300mm long bar,100A	1	Nos			
3	Installation, testing and commissioning of SPN/DP-MCB (DIN type) complete with all accessories to accommodate on/in prefabricated MS surface /MS cubical control panel board including drilling holes, connections etc as required					
3a	6/10/16/20 A	16	Nos			
4	Installation, testing and commissioning of 4 pole moulded case circuit breaker (DIN) type breaking capacity 16/25K/ earth leakage module complete with all accessories to accommodate on or in prefabricated MS surface / MS cubical panel board including drilling holes connection etc as required					
4a	63 A, 415V	1	Nos			

5	Installation, testing and commissioning of TPN/4P MCB/RCCB (DIN type) complete with all accessories to accommodate on/ in prefabricated MS surface/ MS cubical control panel board including drilling holes, connections etc as required					
5a	25A	4	Nos			
6	Installation, testing and commissioning of SPN DB (DIN type, horizontal/ Vertical) with metal door complete with all accessories to accommodate incoming RCCBs/MCBs and outgoing SP MCB 6/10/16A and automation actuators					
6a	8 ways	2	Nos			
	<b>SUB-TOTAL of ERECTION / INSTALLATION</b>					
<b>E</b>	<b>EARTHING &amp; LIGHTNING PROTECTION</b>					
1	P/F of metal strip at 0.5m below ground level for conductor earth electrode including soldering etc. as required. 25x4mm Copper strip	45	ms			
2	Supplying & drawing 1.5sq mm copper wire for loop earthing / earthing for electrical equipments.	60	ms			
3	Earthing with Copper earth plate 600mmx600mm x3mm thick I/c accessories & providing masonry enclosure with cover plate having locking arrangement & watering pipe. (Two for building earthing and two for lightning)	1				

	<b>SUBTOTAL of EARTHNG &amp; LIGHT PROTECTION</b>					
<b>F</b>	<b>HDPE PIPE</b>					
1	Supplying and fixing of HDPE pipe on recessed including all the accessories such as screws, bends, elbows, tees, etc.					
1a	25mm	76	ms			
1b	50mm	30	ms			
	<b>SUBTOTAL of HDPE pipe</b>					
	<b>Building total Nu.</b>					

Total Amount.....

Total Amount in words

Contractors Seal & Sign