

BOQ FOR EXTERNAL ELECTRICAL INSTALLATION WORK AT SBI QUARTER COMPLEX, AGARTALA

Sl.N	Description	Unit	Qty.	Rate	Amount in Rs.
1	MAIN PANEL:				
	Supplying and installation of metal enclosed wall/floor mounted front operated cubical type switch gear panel suitable for indoor installation conforming to IS:8623(PartI&II). Panel should be made of sheetsteel and thickness not less than 2mm and structural steel having light section.The panel shall be completely dust tight and vermin proof and shall be painted with anti corrosive and anticondensation type two coats of primer and two coats of paint.All wiring shall be PVC insulated and PVC sheathed of 1100 volt grade of required size.The panel should have provision of entry of cable at the bottom and also provision of outgoing feeders from the bottom of the panel.The panel shall incorporated single busbar system.The busbar shall be of high quality copper of uniform cross section.The panel shall consist of the following items(viz.voltmeter, ammeter, CT, indicating lamps, selector switchetc.)connected as per existing panel and shall be flush mounted on the front of the panel.				
	i) Incomer: 400 A ,4P, MCCB, - 1 No.	Set	1		-
	ii) Bus-Bars: 400 A TPN electrolytic Copper Bus Bar of uniform cross-section of suitable size – 1 set				
	iii) Outgoing: 160A, 4P,MCCB -7 Nos. and 63A, 4P, MCCB-1 Nos				
2	LT Main Panel (Single phase Line)				

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<p>i) Incomer:</p>	Set	5		-
<p>160 A ,4P, MCCB, - 1 No.</p>				
<p>ii) Bus-Bars: 200 A TPN electrolytic Copper Bus Bar of uniform cross-section (40MM x8MM) – 1 set</p>				
<p>iii) Outgoing:</p>				
<p>63 A, DP, MCB,- Nos.12 and 63A MCB TPN-1Nos.</p>				
<p>iv) Installation of 12 nos. of digital Energy Mater.</p>				
<p>3 For 1 Phase (All Block)</p>				
<p>Sub-main line:- Wiring in conceal MS conduit of IS specification of Proper size with core PVC insulated stranded copper wire 11KV grade(Finolex/Havell's/Richa/RR kebel or equivalent) and with all materials supply ,installation connection complete as per circuit diagram and as required from Metering Panel ground floor to respective quarter DBs (if Required):-</p>				
<p>i) cwith 2nos 6 sq.mm + 1 Nos. of 4sq.mm (1ECC) (for all Block)</p>	RM	600		-
<p>4 Maintenance free Chemical Earthing Station:</p>				

	Supply and Installation of Pipe-in-pipe technology Ashlok Earthing /True Power System or equivalent of approved make model T-19 with outer diameter of 80mm, length 2000mm embedded in the soil with masonry inspection pit with cover, which can be easily removed. complete in all aspect Earth Pit installation test certificate to be submitted after measurement of earth resistance a per the provision in IS3043(Main Panel and System Earthing)	Nos	7		-
5	Supply and fixing 25X3mm copper strip insulated by heat pressurised heavy guage PVC sleeve duly jointeed by full lap brazing and drawn under ground in 40 mm class B GI Pipe from the inspection pit to the panel.	RM	75		-
6	External Security Light Wiring				
	i) Wiring in MS conduit of IS specification of Proper size with core PVC insulated stranded copper wire 11KV grade (Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with supply ,installation, commissioning of all the materials required including proper termination, connection in complete as required from main DB to various DBs:-				
	ii) with 3X2.5 sq.mm (1ECC)	RM	420		-
	iii) 25A DP MCB	Nos.	6		-
	iv) Supplying, installation, testing & commissioning of Security ligh with 25W LED lamps with pressure die cast housing with epoxy coated dark graphite grey colour finish and prismatic polycarbonates cover with individual LED lenses, including necessary GI bracket with clamp. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos.	18		-
7	Supply installation testing and commissioning of LED batten Single Tube light fittings with 17W with glare free light distribution wall mounted at ceiling/false ceiling level/. Make :- Bajaj/Havels/Phillips/Wipro/Crompton or equivalent	Nos.	90		-
	Grand Total				-