

NIT No- 04 of 2023-24 Dated 12.06.2023

PRICE BID

SITC of main LT panel and associated works in the 11kV Sub-Station of Cotton University

Si no	Item	Qty	Rate (Rs)		Amount(Rs)
			In figure	In words	
1	Supply, installation, testing and commissioning of 415V, 3 phase 4 wire system MV panel, floor mounting, totally enclosed, compartmentalized, fabricated out of CRCA not less than 2.0mm thick for load bearing members and 1.6mm thick for doors. Framework may be angle iron/ bolted type construction. The panel shall be treated through 7/ 8 tank pretreatment process followed by powder painting having thickness not less than 60 micron. Degree of protection shall be IP-42. Consisting of following-				
	1600A aluminum bus bar (maximum current density shall be 0.66A/Sq.mm made of E91E Aluminium) for 3 phases and 800A aluminum bus bar for neutral (two sections connected by bus coupler)				
	2 sets of 1200/5A CTs for each of the two incoming feeders				
	Multifunction digital meters for measurement of A, V, KW, KWH & PF (two sets for the two incoming feeders). LED indicating lamps for the two incoming feeders				
	Incoming feeders- 1250A, 4P, MDO type ACB 2 nos (one in each section)				
	Bus coupler breaker-				

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	1250A, 4P, MDO type ACB 1 no				
	Incoming and the bus coupler breakers shall be interlocked by mechanical interlocking device				
	Outgoing feeders-				
	630A, 3P, 50KA, MCCB – 4 Nos (2nos in each section)	1 Set			
	400A, 3P, 50KA, MCCB- 6 Nos (3nos in each section)				
	250A, 3P, 35KA, MCCB- 4 Nos (2nos in each section)				
	100A, 3P, 35KA, MCCB- 4 Nos (2nos in each section)				
2	Laying of 1.1 KV grade 300 sq mm, 3 ^{1/2} C, XLPE insulated, armoured, aluminum power cables from Transformer to AMF panel & from AMF panel to incoming ACB (for one Section). Cables shall be laid in trenches. (cables shall be supplied by the department)				
	a) Directly in ground	40M			
	b) In trenches	40M			
3	End termination				
	Supplying and making end termination with brass compression gland & aluminium lugs for 1.1KV grade 300 sq mm 3 ^{1/2} C cables				
4	Earthing for the sub station	8Nos			
4.1	Supply, installation & testing of GI earth station with perforated 50mm dia and 3.00M long heavy duty GI pipe with necessary GI fittings such as socket Tee, elbow, nipple and 65mm X 50mm GI reducing socket for funnel including locking arrangement 300mm X 300mm X 6mm hinged cover CI earth plate complete with digging of earth pit, construction of brick chamber and plastering of both inner and outer surface of wall as specified and directed by department	8Nos			
4.2	Supplying and laying of 50mm X 6mm size GI strips drawn on surface from earth electrode to electrical switchgears, machineries etc. complete with supply of GI nuts and bolts, screws etc including riveting, soldering &	35M			

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	making necessary connections, as specified and directed by the department.				
4.3	Supplying and laying of 25mm X 6mm size GI strips drawn on surface from earth electrode to electrical switchgears, machineries etc. complete with supply of GI nuts and bolts, screws etc including riveting, soldering & making necessary connections, as specified and directed by the department.	30M			
5	Supply of 3.5 core, 300.0 sq.mm, 1.1KV grade XLPE insulated armoured, underground power cable	120M			
6	Supply of 3.5 core, 95.0 sq.mm, 1.1KV grade XLPE insulated armoured, underground power cable	100M			
Total					
Rebate if any (in percentage)					
Total after rebate					

Seal:

Signature:

S. S. S.
12/6/23