

Schedule of work

Name of the work: Supply, Installation, Testing & Commissioning of vacuum circuit breaker trolley along with some of the accessories of the existing VCB panel for the substation of IACS, Jadavpur, Kolkata.

SI No.	Item description	Quantity	Unit	Rate	Amount	Remarks
1	Supply, installation, Testing & Commissioning of floor mounted, vertical isolation and horizontal drawout type totally enclosed motorized metal clad VCB trolley (movable assembly only) along with 220V motor, Close & trip coils, 8 way auxiliary switch, secondary isolating contacts, etc. completely assembled, as required, of the following specifications. (The breaker trolley supplied must be compatible with the existing Biecco-Lawrie make VCB Panel of model No.: VB8A.) Specifications.: Nominal Voltage: 6 KV; Rated Current: 800A; Maximum system voltage: 7.2 KV, Rupturing capacity : 250MVA, Short Circuit Breaking Capacity : 25 KA, Short time rating: 3s, Short Circuit making capacity: 63.75KA. Insulation level: 60 KVp. As per IEC-62271, IS-13118 This job includes performing the following Pre-Commissioning test at site as per IS-13118. (a) Contact resistance with 100A 3- channel DC test set. (b) Hipot test (c) Vacuum interrupter integrity test (d) IR value test with motorized test set (e) close open time test with Simultaneity (f) Mechanical and electrical operation test (g) Test of auxiliary NO-NC contacts	1	Job			
2	Supply and fixing of dust protected vermin proof metallic cubicle for keeping the spare VCB with front door and door locking arrangement.	1	No.			
3	Supply of epoxy resin cast spout 7.2 KV, 800A along with aluminium safety shutter and link mechanism for front and rear side, compatible with the the existing Biecco-Lawrie make VCB Panel of model No.: VB8A.	1	No.			
4	Epoxy cast resin bushings 7.2 KV, 800A for R/B phase front side, compatible	1	No.			
5	Epoxy cast resin bushings 7.2 KV, 800A for R/B phase Rear side, compatible with the the existing Biecco-Lawrie make VCB Panel of model No.: VB8A.	1	No.			
6	Epoxy cast resin bushings 7.2 KV, 800A for Y phase front side, compatible with the the existing Biecco-Lawrie make VCB Panel of model No.: VB8A.	1	No.			
7	Epoxy cast resin bushings 7.2 KV, 800A for Y phase rear side, compatible with the the existing Biecco-Lawrie make VCB Panel of model No.: VB8A.	1	No.			
				Total		
Rupees..... only						
NOTE: The quoted rate shall be inclusive of all taxes & duties, levies, cess etc i/c GST also. Nothing extra will be paid to the Contractor except the accepted rate.						
	GST No:					
	SAC code:					
	CGST@.....6....% considered in the above BOQ					
	SGST@.....6....% Considered in the above BOQ					