

S. NO	DESCRIPTION	INCOMER	OUTGOING	BUS COUPLER	CAPACITOR
1	Main Busbar/Jumpers				
1.1	2000/ 2000 A	1	0	1	0
1.2	2000/1250 A	0	0	0	1
1.3	2000/800 A	0	1	0	0
2	Vaccum Circuit breakers				
2.1	VCB - 2000A	1	0	1	0
2.2	VCB - 1250A	0	0	0	1
2.3	VCB - 800A	0	1	0	0
3	Surge arrester	3	3	0	3
4	Epoxy Resin Cast CTs				
4.1	2000-1600/1-1A , 15VA/0.2S, 15VA/5P20	3	0	3	0
4.2	2000-1600/1-1A, PS, PS	3	0	0	0
4.3	400/1-1A, 15VA/0.2s, 15VA/5P20	0	3	0	0
4.4	800-400/1-1A , 15VA/0.2S, 15VA/5P20 for Cap F	0	0	0	3
5	Potential Transformer - Single Phase with Fuse - Withdrawable type.				
5.1	11/v3/110/v3/110/v3 50VA/0.2 , 50VA/3p	3	0	0	0
6	Meters & Switches				
6.1	Digital Ammeter ASS	1	1	1	1
6.2	Digital Voltmeter VSS	1	0	0	1
6.3	MFM 0.2 Class	1	1	0	1
6.4	TNC switch	1	1	1	1
6.5	L/R switch	1	1	1	1
6.6	PB - heater ckt check	2	2	2	2
7	Numerical Protective Relays with IEC 61850+103 Dual port /communication protocol				
7.1	Directional O/C and E/F (50, 50N,67,67N,25,79)	0	1	1	0
7.2	REF Relay (64)	1	0	0	0
7.3	Directional O/C, E/F, U/V and O/V (50, 50N, 67,67N, 27, 59,25,79)	1	0	0	1
7.4	Neutral displacement Relay (Voltage based) For each step	0	0	0	4
7.5	PT Monitoring relay	0	0	0	0

8	Auxillary Relays				
8.1	Antipumping	1	1	1	1
8.2	Bkr contact multiplier	1	1	1	1
8.3	Master trip Relay	1	1	1	1
8.4	Trip Circuit Supervision	1	1	1	1
9	Timer for Capacitor switching	0	0	0	1
10	DC fail/ AC fail annunciation	1	1	1	1
11	Indicating lamps	As per spec	As per spec	As per spec	As per spec
12	Hooter	0	0	1	0
13	TTB	1	1	1	1
14	Emergency Trip button	1	1	1	1
15	PT Selection scheme	DDE	DDE	DDE	DDE
16	5A Switch and socket	1	1	1	1
17	Heater	2	2	2	2
18	Earthing Trucks for Bus side	1no			
19	Earthing Trucks for cable side	1no			
20	PQ Analyzer	1	0	0	0
21	Energy Meter - HPL Make	1	1	0	1
Internal arc for 1 sec					

BUS RISER	BUS PT	STATION TRAFO
0	0	0
1	1	0
0	0	1
0	0	0
0	0	0
0	0	1
0	0	3
0	0	0
0	0	0
0	0	3
0	0	0
0	3	0
0	0	1
	1	0
0	1	1
0	0	1
0	0	1
2	2	2
0	0	1
0	0	0
0	0	0
0	0	0
0	1	0

0	0	1
0	0	1
0	0	1
0	0	1
0	0	0
1	1	1
As per spec	As per spec	1 Set as per spec
0	0	0
0	0	1
0	1	1
DDE	DDE	DDE
1	1	1
2	2	2
0	0	0
0	0	1