



ITEM NO.	DESCRIPTION	kV	QTY.
1	SV6 CIRCUIT BREAKER,(1250A)	220	5
2	CENTRE BREAK 3-Ph. MOTOR OPERATED ISOLATOR WITHOUT EARTH SWITCH (1250A)	220	12
3	CENTRE BREAK 3-Ph. MOTOR OPERATED ISOLATOR WITH ONE EARTH SWITCH (1250A)	220	4
4	CURRENT TRANSFORMER	220	15
5	CAPACITOR VOLTAGE TRANSFORMER	220	12
6	LIGHTNING ARRESTER 198kV, 100A	198	12
7	POWER TRANSFORMER (100MVA,220/66-33/11kV 3-phase)	220/33	2
8	BUS POST INSULATOR	220	8
9	WAVE TAP (0.5 mA,600A)	220	2
10A	NCT 17.5kV (MOUNTED IN TRANSFORMER BUSHING)	220	2
10B	NCT 17.5kV (MOUNTED IN TRANSFORMER BUSHING)	33	2
11	SV6 CIRCUIT BREAKER (2000A),3-POLE	33	3
12	VACUUM CIRCUIT BREAKER (800A),3-POLE	33	10
13	DOUBLE BREAK ISOLATOR WITHOUT EARTH SWITCH (2000A)	33	4
14	DOUBLE BREAK ISOLATOR WITHOUT EARTH SWITCH (800A)	33	12
15	DOUBLE BREAK ISOLATOR WITH ONE EARTH SWITCH (2000A)	33	2
16	DOUBLE BREAK ISOLATOR WITH ONE EARTH SWITCH (800A)	33	10
17	TANDED TYPE ISOLATOR WITHOUT EARTH SWITCH (2000A)	33	2
18	TANDED TYPE ISOLATOR WITHOUT EARTH SWITCH (800A)	33	10
19	CURRENT TRANSFORMER (2000-1000/1/1/1A)	33	9
20	CURRENT TRANSFORMER (800-400/1/1/1A)	33	30
21	VOLTAGE TRANSFORMER	33	36
22	LIGHTNING ARRESTER 30kV, 100A, GAPLESS TYPE	30	36

MINIMUM CLEARANCE TABLE (AS PER EC 7/12)	220KV	33KV
PHASE TO PHASE (PP)	2100	350
PHASE TO EARTH (PE)	2000	350
SECTION CLEARANCE (SC)	4300	2800
GROUND CLEARANCE (AS PER IE RULE)	5500	3600
TO NEAREST PART NOT AT EARTH POTENTIAL OF AN INSULATOR SUPPORTING LIVE CONDUCTOR	21400	2140

NOTE:--
1. 220KV & 33KV BUS SHALL BE OF THIN ZEBRA AND QUAD. ZEBRA CONDUCTORS RESPECTIVELY.
----- INDICATES EXISTING (NOT IN BHEL SCOPE)

[illegible]