

NOMENCLATURE FOR EQUIPMENT MARK NO. :

X	XX	XX	X	X
1	2	3	4	5
6	7	8	9	10

1 - EQUIPMENT
 2 - LOCATION WITH REFERENCE TO BUS OR LINE
 3 - NEAREST TO BUS
 4 - NEAREST TO A LINE REACTOR
 5 - NEAREST TO BUS SIDE FOR LINE REACTOR
 6 - NEAREST TO BUS SIDE FOR LINE REACTOR
 7 - NEAREST TO BUS SIDE FOR LINE REACTOR
 8 - NEAREST TO BUS SIDE FOR LINE REACTOR
 9 - NEAREST TO BUS SIDE FOR LINE REACTOR
 10 - NEAREST TO BUS SIDE FOR LINE REACTOR

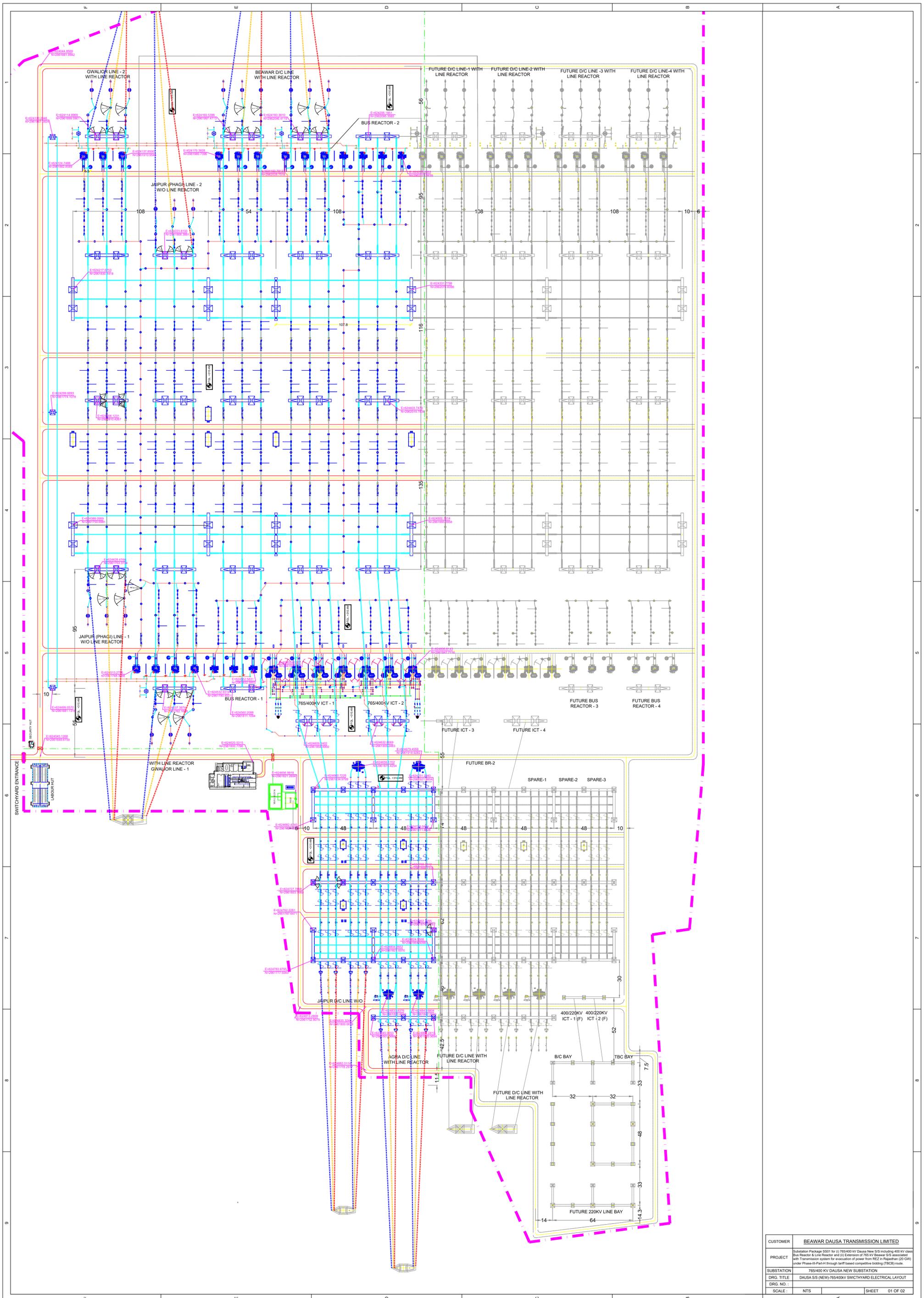
SYSTEM PARAMETERS:

SL No	DESCRIPTION	765KV	400KV	33KV
1.0	RATED VOLTAGE	765 KV	400 KV	33 KV
2.0	HIGHEST SYSTEM VOLTAGE	800 KV rms	420 KV rms	36 KV rms
3.0	RATED FREQUENCY	50 Hz	50 Hz	50 Hz
4.0	MAX. FAULT LEVEL (Sec)	50 KA for 1 Sec	60 KA for 1 Sec	25 KA for 1 Sec
5.0	RATED 1 min-POWER FREQ. WITHSTAND VOLTAGE	800 KV rms	420 KV rms	36 KV rms
6.0	RATED SWITCHING IMPULSE VOLTAGE (dry & wet)	1550 KVP	1050 KVP	175 KVP
7.0	FULL WAVE IMPULSE WITHSTAND VOLTAGE	2700 KVP	1950 KVP	325 KVP
8.0	MINIMUM CREEPAGE DISTANCE - EQUIPMENT	2900 mm	1500 mm	900 mm
9.0	MINIMUM CREEPAGE DISTANCE - INSULATOR	2480 mm	1300 mm	248 mm
10.0	SYSTEM EARTHING	EFFECTIVELY EARTH	EFFECTIVELY EARTH	EFFECTIVELY EARTH

NOTE:
 1) 1-PHASE ISOLATORS HAVE BEEN USED FOR 765KV REACTORS AND 765KV AUTO TRANSFORMERS TO USE SPARE UNIT THROUGH ISOLATOR SWITCHES.

LEGENDS:
 - - - - - PRESENT SCOPE
 - - - - - FUTURE SCOPE
 - - - - - NOT IN SCOPE OF TECL

CUSTOMER	BEAWAR DAUSA TRANSMISSION LIMITED
PROJECT	Substation Package S201 for (i) 765/400 kV Dausa New S/S including 400 kV Bus Reactor & Line Reactor and (ii) Extension of 765 kV Beawar S/S associated with Transmission system for evacuation of power from REZ in Rajasthan (20 GW) under Phase-III Part A through tariff based competitive bidding (TBCB) route.
SUBSTATION	765/400 KV DAUSA NEW SUBSTATION
DRG. TITLE	DAUSA S/S (NEW)-765/400KV SWITCHYARD SINGLE LINE DIAGRAM
DRG. NO. :	
SCALE :	NTS
SHEET	01 OF 02



CUSTOMER	BEAWAR DAUSA TRANSMISSION LIMITED		
PROJECT	Substation Package S501 for (i) 765/400 kV Dausa New S/S including 400 kV class Bus Reactor & Line Reactor and (ii) Extension of 765 kV Beawar S/S associated with Transmission system for evaluation of power from REC in Rajasthan (20 DAV) under Phase-III Part-4 through tariff based competitive bidding (TBCB) route.		
SUBSTATION	765/400 kV DAUSA NEW SUBSTATION		
DRG. TITLE	DAUSA S/S (NEW)-765/400KV SWITCHYARD ELECTRICAL LAYOUT		
SCALE	NTS		SHEET 01 OF 02