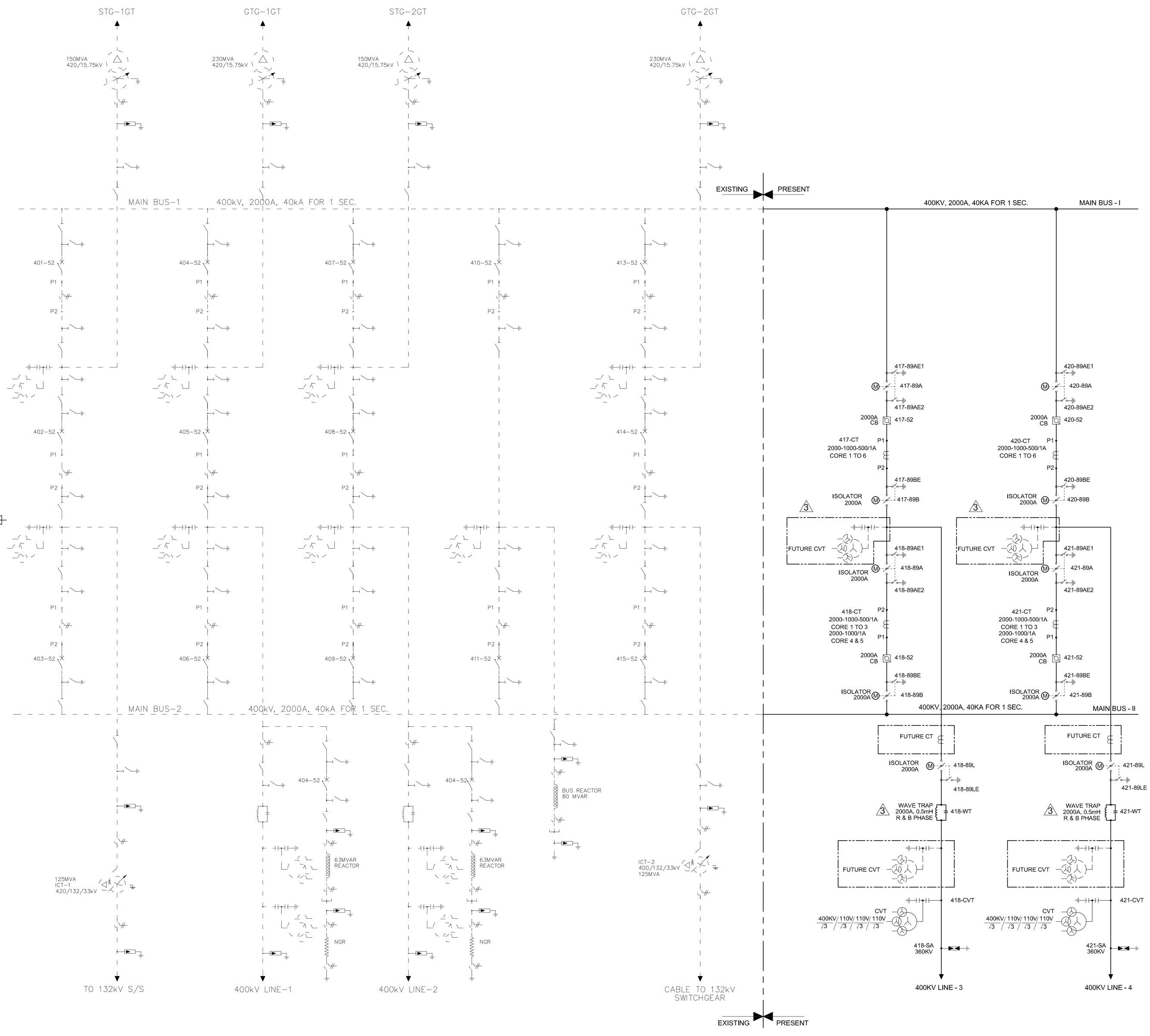

BILL OF QUANTITIES (420 kV EQUIPMENT)

SL. NO.	ITEM DESCRIPTION	QTY.	SYMBOL	REMARKS
1	420kV, 2000A, 1-POLE, SPRING OPERATED SF6 CIRCUIT BREAKER WITHOUT PIR SUITABLE FOR SINGLE & 3PH OPERATION.	12 NOS.		
2	420KV, 2000A, 3-PH, DOUBLE BREAK ISOLATOR (ELECTRICALLY GANGED MOTOR OPERATED) WITH ONE EARTH SWITCH (MANUALLY OPERATED)	06 SETS		
3	420KV, 2000A, 3-PH, DOUBLE BREAK ISOLATOR (ELECTRICALLY GANGED MOTOR OPERATED) WITH TWO EARTH SWITCH (MANUALLY OPERATED)	04 SETS		
4	420KV, 1-PH, 5 CORE CURRENT TRANSFORMER (2000-1000-500/1A) CORE 1 TO 3, (2000-1000/1A) CORE 4 & 5	06 NOS.	P1 P2	
5	420KV, 1-PH, 6 CORE CURRENT TRANSFORMER (2000-1000-500/1A) CORE 1 TO 6	06 NOS.	P1 P2	
6	420kV, 4400pF, 400/sqrt(3)/ 0.110/sqrt(3)/ 0.110/sqrt(3)/ 0.110/sqrt(3), 1-PH CAPACITOR VOLTAGE TRANSFORMER	06 NOS.		
7	360KV, 1-PH SURGE ARRESTERS, 20KA, CLASS-4	06 NOS.		
8	420kV, 2000A, 0.5mH, 1-PH WAVE TRAP	04 NOS.		

SYSTEM PARAMETERS:-

SL. NO.	PARAMETER	VALUE
1	VOLTAGE (NOM. / MAX.) (kV)	400 / 420
2	FREQUENCY (Hz)	50
3	FAULT LEVEL KArms	40
4	SYSTEM EARTHING	EFFECTIVELY EARTHED
5	SHORT TIME CURRENT RATING (FOR ALL CURRENT CARRYING PARTS)	40 kA FOR 1 Sec.
6	LIGHTNING IMPULSE WITH STAND VOLTAGE (KVp)	1425
7	SWITCHING IMPULSE WITH STAND VOLTAGE (KVp)	1050
8	ONE MINUTE POWER FREQUENCY WITHSTAND VOLTAGE (DRY) (KVrms)	630

LEGEND :-

———— - PRESENT SCOPE

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