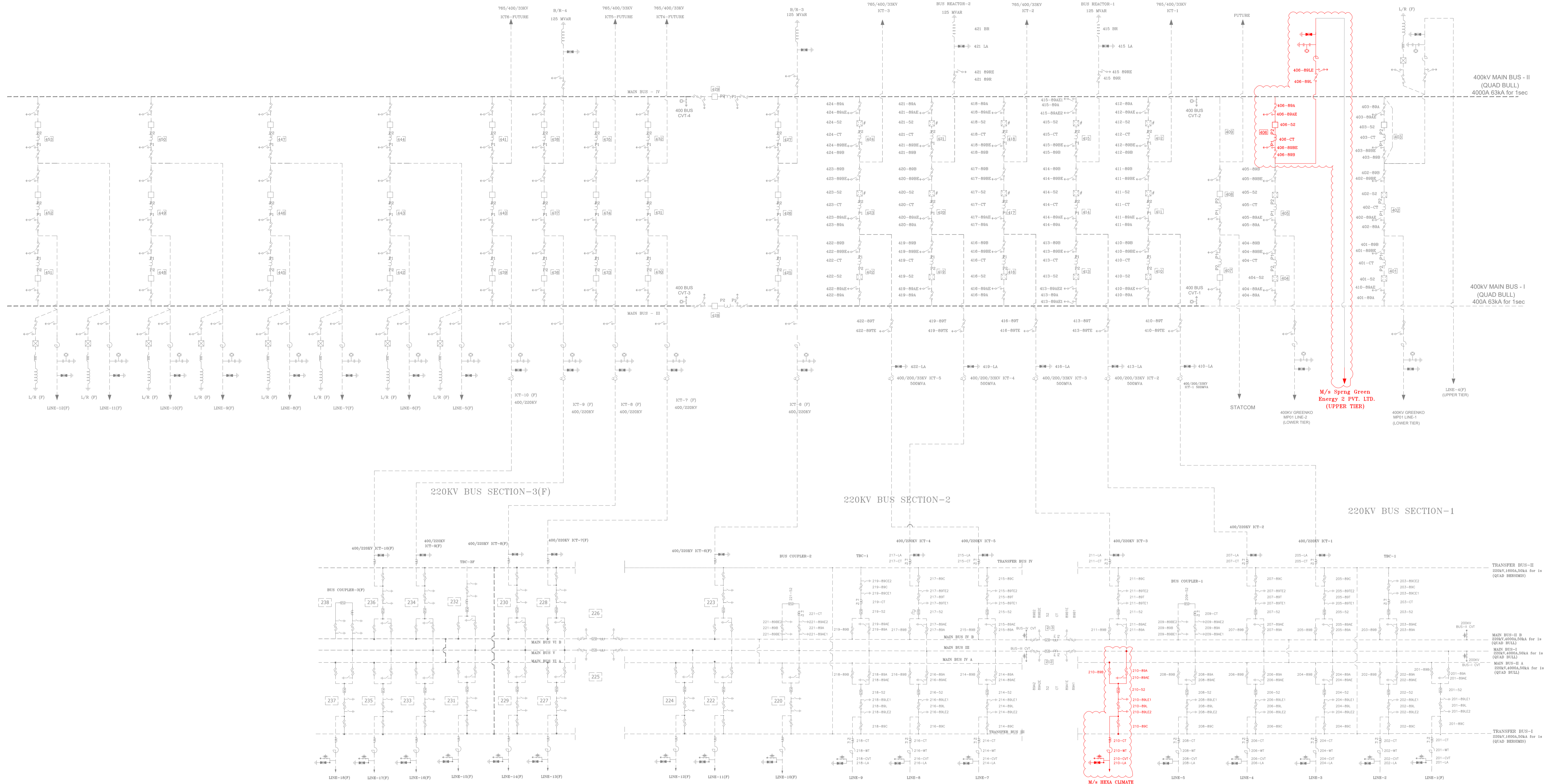


400KV BUS SECTION-2

400KV BUS SECTION-1



400KV LEGEND

SL.NO.	DESCRIPTION	SYMBOL
1	SP6 CIRCUIT BREAKER (3-PH) WITH SUPPORT STRUCTURE	
2	ISOLATOR WITH ONE E/S (3 PH) DOUBLE BREAK TYPE	
3	WAVE TRAP (1 PH.)	
4	CURRENT TRANSFORMER (1 PH.) WITH 120% EXTENDED CURRENT RATING.	
5	CVT (1-Ph)	
7	SURGE ARRESTER (1 PH.)	

220KV LEGEND

ITEM CODE	SCHEDULE OF EQUIPMENT (OUTDOOR) DESCRIPTION	SYMBOL
1	245KV, 1600A, 50kA/1s CIRCUIT BREAKER (3-Ph) WITH SUPPORT STRUCTURE	
2	245KV, 1600A, 50kA/1s HDB ISOLATOR WITH 2E/S (3-Ph)	
3	245KV, 1600A, 50kA/1s HDB ISOLATOR WITH 1E/S (3-Ph)	
4	245KV, 1600A, 50kA/1s HDB TANDEM ISOLATOR WITHOUT E/S (3-Ph)	
5	245KV, 1600A (120%), 50kA/1s CURRENT TRANSFORMER (1-Ph)	
6	245KV CAPACITIVE VOLTAGE TRANSFORMER (4400 pF) (1-Ph)	
7	216KV SURGE ARRESTER (1-Ph)	
8	220KV, 1600A, 0.5mH, 50kA/1s LINE TRAP (1-Ph)	

LEGEND:



FOR FR/TENDER PURPOSE

**POWER GRID CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)



PROJECT: TRANSMISSION SCHEME FOR PROVIDING CONNECTIVITY TO RE GENERATION PROJECTS AT MANDSAUR PS

SUBSTATION: EXTN. OF 765/400/220 kV MANDSAUR SUBSTATION

TITLE: SINGLE LINE DIAGRAM

DATE	DRAWN	SCALE	DRG.NO.	REV
April 2026		NTS	C/ENGG/WR/MANDSAUR-EXTN/LINE BAYS/SLD/01	00