FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM.)

DRAWING No. TB-3-315-510-001

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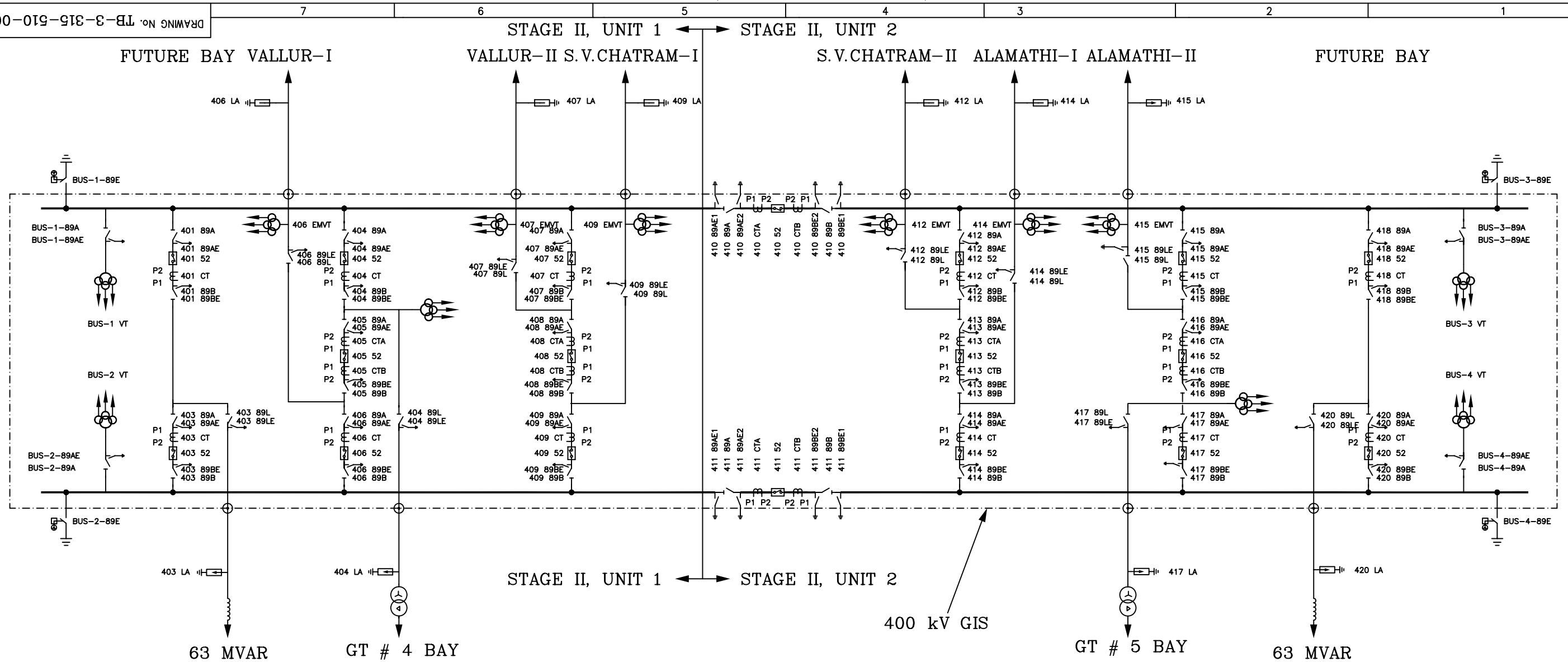
COMPUTER DRG. PATH NAME :

REF. DRG. No.

SIGN. & DATE

INVENTORY No.



400KV CT DETAILS

CORE	RATIO	ACCURACY CLASS	KPV, Magnetizing Current & Rct
1	2000–1000/1A	PS	KPV≥40Rct+100 V at 2000 tap Ie ≤ 30mA at KPV/2
2	2000–1000/1A	PS	KPV≥40Rct+100 V at 2000 tap Ie ≤ 30mA at KPV/2
3	2000–1000–500/1A	0.2	20 VA
4	2000–1000–500/1A	PS	KPV≥200Rct+500V at 2000 tap Ie ≤ 30mA at KPV/2
5	2000–1000–500/1A	PS	KPV≥200Rct+500V at 2000 tap Ie ≤ 30mA at KPV/2

400KV EMVT DETAILS

CORE	400/√3KV/110/√3V/ 110/√3V/ 110/√3V		
SEC I	CLASS 3P		100VA
SEC II	CLASS 3P		100VA
SEC–III	0.2	–	100VA

400 kV INDOOR GIS

S.NOS.	DESCRIPTION	SYMBOLS
1.	CIRCUIT BREAKER, 2000 A	
2.	DISCONNECTING SWITCH, 2000 A	
3.	EARTH SWITCH, 2000 A	
4.	FAST ACTING EARTHSWITCH	
5.	CURRENT TRANSFORMER, 2000 A	
6.	POTENTIAL TRANSFORMER,400kV/110V	
7.	SF6 TO AIR BUSHING	

400KV LINE EMVT DETAILS

CORE	400/√3KV/110/√3V/ 110/√3V/ 110/√3V		
SEC I	CLASS 3P		100VA
SEC II	CLASS 3P		100VA
SEC–III	0.2	–	50VA

400 kV OUTDOOR EQUIPMENT

S.NOS.	DESCRIPTION	SYMBOLS	QTY
1.	SURGE ARRESTOR (390 kV)		30
2.	BUS REACTOR		02

ELECTRICAL SYSTEM PARAMETERS

01. EQUIPMENT VOLTAGE	400 kV
02. MAX. SYSTEM VOLTAGE	420 kV
03. BASIC INSULATION LEVEL	1425 kV
04. SWITCHING IMPULSE	1050 kV
05. POWER FREQUENCY W/S VOLTAGE	650 kV
06. FAULT LEVEL (1 SEC.)	40 KA
07. SYSTEM NEUTRAL GROUNDING	SOLIDLY EARTHED

REV.	DATE	ALTERED / CHECKED / APPROVED	ZONE	
04	27.10.09	ALTERED PR / CHECKED ANITA/MK / APPROVED CHUGH –SD–	ZONE	DRAWING REVISED AS PER TNEB LETTER REF. NO. CE/P/SE/ T&HP/EE7/A1/FSLD./D120/09 DATED 01.10.09 AND CE/P/SE/ T&HP/EE7/A1/FSLD./D136/09 DATED 26.10.09
03	03.09.09	ALTERED PR –SD– / CHECKED ANITA/MK –SD– / APPROVED CHUGH –SD–	ZONE	DRAWING REVISED AS PER TNEB LETTER REF. NO. CE/P/SE/ T&HP/EE7/A1/FSLD./D91/09 DATED 20.08.09
02	01.07.09	ALTERED KAPIL–SD– / CHECKED PR –SD– / APPROVED KK –SD–	ZONE	DRAWING REVISED AS PER TNEB LETTER REF. NO. CE/P/SE/E/ T&H(P)/EE7/A1/FP.E./D53/09 DATED 23.06.09
01	06.08.08	ALTERED PR –SD– / CHECKED KK –SD– / APPROVED KK –SD–	ZONE	DRAWING REVISED AS PER TNEB LETTER REF. NO. CE/P/SE/E/ T&H(P)/EE5/A1/F.600MW NCTPS –Drg/D.278 Dated 09.07.08.

ADDITIONAL INFORMATION
W.O.No. 88005
STATUS OF DRAWING
DISTRIBUTION OF PRINTS

ग्राहक/परियोजना का नाम NAME OF CUSTOMER/PROJECT: TAMILNADU ELECTRICITY BOARD
2X600 MW THERMAL POWER PROJECT AT NORTH CHENNAI (STAGE–II)

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
BHARAT HEAVY ELECTRICALS LTD.
TRANSMISSION PROJECTS DIVISION

	नाम /NAME	हस्ता./SIGN.	दि./DATE
बनाया DRAWN	PRAMOD	–SD–	21.06.08
जाँचा CHECKED	PRAMOD	–SD–	21.06.08
स्वीकृत APPROVED	KULDIP	–SD–	21.06.08

विभाग DEPT. | कोड CODE | अनुपात / SCALE 1 : 6.2 | कार्ड कोड CARD CODE

शीर्षक/TITLE: SINGLE LINE DIAGRAM OF 400 kV S/S

ड्राईग.क्र./DRAWING NO. TB–3–315–510–001 | पुनः/REV. 04

पृष्ठ क्र./SHEET No. 01 | अगला पृष्ठ/NEXT SHEET –