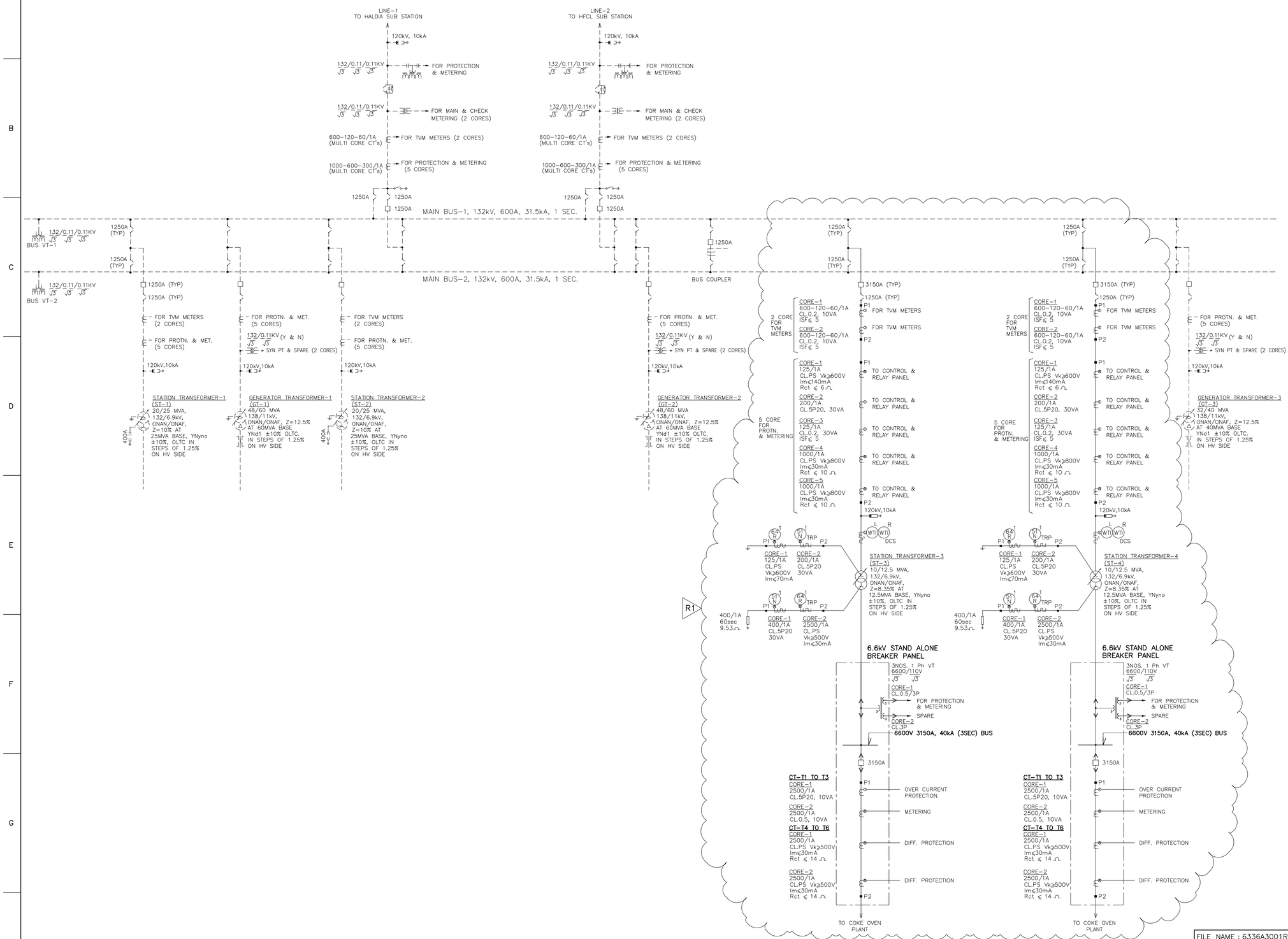
TITLE: KEY ONE LINE DIAGRAM

DWG NO TCE.6336A-737-AU-3001



LEGEND

- TRANSFORMER
- TRANSFORMER (OLTC)
- VOLTAGE TRANSFORMER
- CAPACITANCE VOLTAGE TRANSFORMER
- GROUNDING RESISTOR
- CURRENT TRANSFORMER
- LIGHTNING ARRESTER
- WAVE TRAP
- EARTH SWITCH
- 132kV ISOLATOR
- 132kV BREAKER
- SEGREGATED PHASE BUS DUCT
- DRAWOUT TYPE VACUUM CIRCUIT BREAKER(6.6kV)
- EXISTING
- PROPOSED
- SWITCHGEAR BOUNDARY

ABBREIVATION

GT	GENERATOR TRANSFORMER
ST	STATION TRANSFORMER

NOTES

1. ALL BREAKER RATINGS SHOWN ARE IN-PANEL RATING AT AMBIENT TEMPERATURE OF 50° C.
2. FEEDERS TO "COKE OVEN PLANT" ARE DISCONNECTED FROM 6.6kV STATION SWITCHGEAR AND IS BEING FED FROM PROPOSED STAND ALONE BREAKER PANELS.
3. 6.6kV STAND ALONE BREAKER PANELS ARE LOCATED IN THE SWITCHGEAR HALL OF THE MRSS BUILDING.

ENGG. REF. DWGS

CROMPTON GREAVES

RATING & SCHEMATIC DIAGRAM 132kV CT	413536692
RATING & SCHEMATIC DIAGRAM 132kV CT	413536693
RATING & DIAGRAM PLATE	RDM 7473
GA FOR 132kV, CLASS-3 LIGHTNING ARRESTER	31258

SIEMENS

6.6kV SWITCHBOARD	(3)G71570-B6191-W101A
	(3)G71570-B6191-M003A
	(3)G71570-B6191-L005
	(3)G71570-B6191-S008
145kV, SF6, CIRCUIT BREAKER	G71AHS-BA401-D841
145kV, 1250A, ISOLATOR	G71CUC-B0028-R0010

RESITECH

NGR	A3-2382

CONST. REF. DWGS.

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FOR R0 ISSUE ONLY			ISSUE	REVISIONS	DRN	CLEARED					APPD	DATE
CLEARED						CHEM	CIVIL	ELEC	I&C	MECH		
DEPT	SIGNATURE	DATE	R1	REVISED AS PER CLIENT'S COMMENTS.	AMS			UHM				18.08.11
CHEM												
CIVIL												
ELEC												
I&C												
MECH												

ISSUE	REVISIONS	DRN	CLEARED					APPD	DATE
			CHEM	CIVIL	ELEC	I&C	MECH		

FILE NAME: F041R4.DWG

FILE NAME : 6336A3001R1

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DO NOT SCALE

TATA POWER COMPANY LTD.

AUXILIARY POWER SEGREGATION WORKS AT HALDIA POWER PLANT

KEY ONE LINE DIAGRAM

TATA CONSULTING ENGINEERS LIMITED

MUMBAI

SCALE: NONE	APPROVED	DATE (R0 ISSUE) 16-08-11
OFFICE-DISC: DB-EL	GENERAL MANAGER	DATE (CURRENT ISSUE) 18-08-11
DRN: A.M.Swamy		
CHD: UHM	DWG NO TCE.6336A-737-AU-3001	ISSUE R1

SIZE-A1

TCE FORM NO. 041 R4