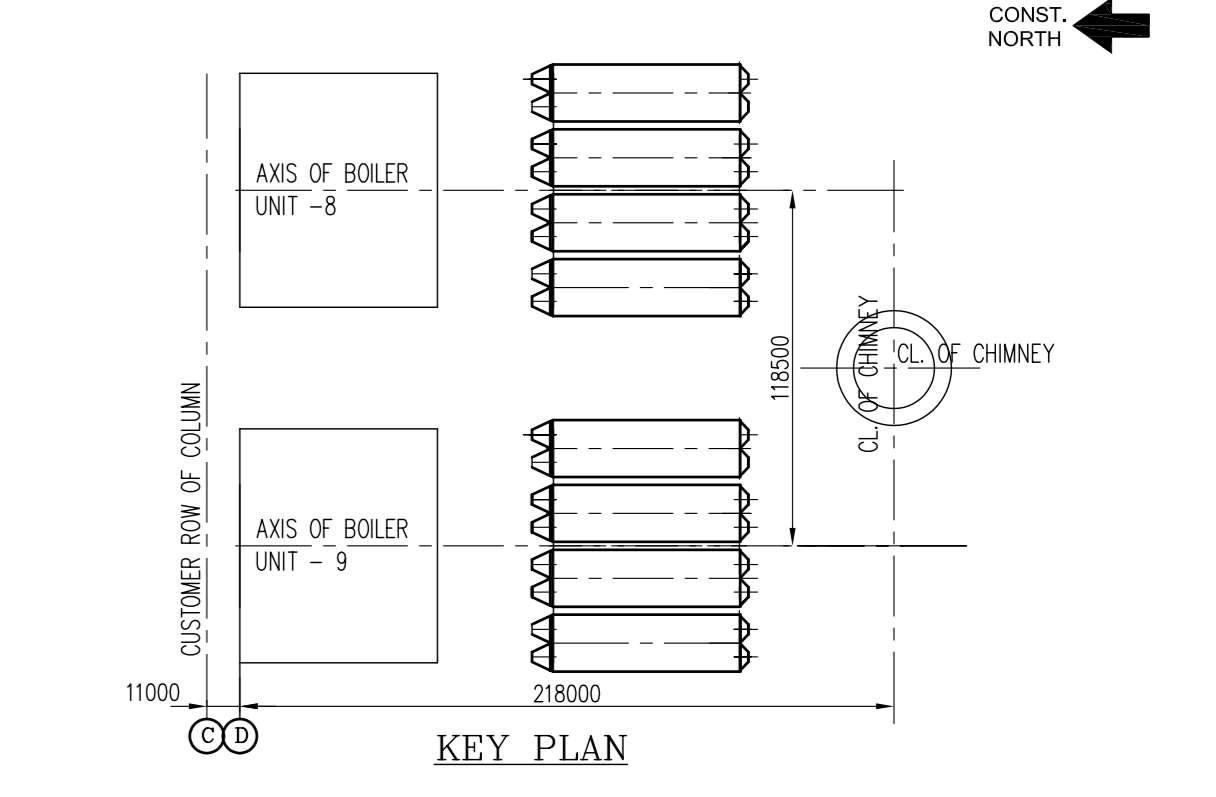


LEGEND:-

	LRSB	LONG RETRACTABLE SOOT BLOWER
	FLRSB	FUTURE LRSB WITH FLOOR IN ORIGINAL DESIGN
	WB.	WALL BLOWER
		FUTURE WALL BLOWER
		TEMPERATURE PROBE
	AD.	ACCESS DOOR
	OBD.	OBSERVATION DOOR
	MBL	MAIN BRACE LEVEL
	WP.	WORK POINT
	FG	FURNACE GUIDE
	FG	FURNACE GUIDE AT AXIS OF BOILER
	IN	INSTRUMENT INSERTS
		ACOUSTIC STEAM LEAK DETECTOR
		ELEVATOR LANDING



BOILER PARAMETERS (BMCR)

STEAM FLOW AT SH OUTLET	- 1625.0 t/h
PRESSURE OF SUPER HEATED STEAM	- 178.0 kg./sq.cm(G)
TEMPERATURE OF SUPERHEATED STEAM	- 540.0°C
STEAM FLOW AT REHEATER OUTLET	- 1392.4 t/h
ENTRY PRESSURE OF REHEATED STEAM	- 45.04 kg./sq.cm(G)
ENTRY TEMPERATURE OF REHEATED STEAM	- 337.0°C
EXIT PRESSURE OF REHEATED STEAM	- 42.39 kg./sq.cm(G)
EXIT TEMPERATURE OF REHEATED STEAM	- 540.0°C
FEEED WATER INLET TEMPERATURE	- 254.5°C

DESCRIPTION OF UNIT:-

CONTROLLED CIRCULATION, SINGLE DRUM, RADIANT, DRY BOTTOM, SINGLE REHEAT, PULVERIZED COAL FIRED OUT DOOR, UTILITY UNIT, BALANCED DRAUGHT, CUT CORNER, 51 mm O.D.TUBES AT 63.5 mm CENTERS, WRAP AROUND BUCKSTAY SYSTEM. TWO Nos. OF 500MW CAPACITY.

NOTES:-

1. ALL FURNACE OPENINGS ARE TO BE PROVIDED ON BOTH SIDES, UNLESS OTHERWISE STATED.
2. ALL DUCT DIMENSIONS ARE INSIDE SIZES ONLY.
3. ALL INNER CORNERS OF DUCT TURNING ARE 300 RADIUS ONLY, UNLESS OTHERWISE SPECIFIED.
4. 0.00M CORRESPONDS TO BOILER FINISHED FLOOR LEVEL (FLL).
5. THE CABLE RACK, PIPE RACKS AND ASH PIPES SHOULD NOT ENCRoACH IN TO THE HANDLING AREAS. THIS IS VALID FOR BOTH HORIZONTAL & VERTICAL HANDLING VAULTS. SITE ERECTION AGENCY SHOULD INFORM THEIR SUB ERECTOR AND ALL OTHER ALLIANCE BODIES NOT TO ERECT ANY OTHER ELEMENTS IN HANDLING VAULTS OF PP COIL HANDLING, FD, PAID FAN HANDLING, AH ELEMENTS HANDLING, MILL HANDLING AND ALL OTHER HANDLING SHOWN IN BOILER AREA, EVEN UNKNOWINGLY ERECTED, THEN THOSE DEBRIS SHOULD BE REMOVED AT THEIR OWN COST AFTERWARDS.

REFERENCE DRAWING NUMBERS:-

1. GA OF BOILER SEC. SIDE ELEVATION - 0-00-022-74753
2. GA OF BOILER SECTIONAL ELEVATION - 0-00-022-74754
3. GA OF BOILER FRONT ELEVATION - 0-00-022-74755
4. LAYOUT OF KEY PLAN OF BOILERS - 0-00-020-74756
5. LOC. OF FURNACE OPENING AND BUCKSTAYS - 0-00-020-74757
6. TP DETAILS OF HRH, CRH & FWL - 0-00-020-74758
7. LAYOUT OF COLD AIR DUCTING (ELEVATION) - 0-00-020-74759
8. LAYOUT OF COLD AIR DUCTING (PLAN) - 0-00-020-74760
9. LAYOUT OF HOT AIR DUCTING (ELEVATION) - 0-00-020-74761
10. LAYOUT OF HOT AIR DUCTING (PLAN) - 0-00-020-74762
11. LAYOUT OF FLUE GAS DUCTING - 0-00-020-74763
12. LAYOUT OF I.D SYSTEM - ELEVATION - 0-00-020-74764
13. LAYOUT OF I.D SYSTEM - PLAN - 0-00-020-74765
14. FLOOR PLAN DRAWINGS:-
  - FLOOR PLAN AT EL. 4800 TO EL. 43200 - 0-00-021-74767 TO 0-00-021-74777
  - FLOOR PLAN AT EL. 46200 TO EL. 52200 - 0-00-021-74778 TO 0-00-021-74780
  - FLOOR PLAN AT EL. 55350 TO EL. 80775 - 1-00-021-71200 TO 1-00-021-71208

CUSTOMER NO. : 0667 & 0668

CUSTOMER		M/S. MAHARASHTRA STATE POWER GENERATION CO. LTD.	
CONSULTANT		DEVELOPMENT CONSULTANTS PRIVATE LTD. NAVI MUMBAI	
PROJECT		CHANDRAPUR THERMAL POWER STATION	
		EXPANSION 2 x 500 MW	
PROJECTOR		BHARAT HEAVY ELECTRICALS LIMITED.	
		BOILER PLANT UNIT, TIRUCHIRAPALLI-620014	
DRAWN		M. Durairaj	
CHECKED		M. Chidambaram	
APPROVED		M. Chidambaram	
DATE		30.10.2008	
SCALE		AS SHOWN	
ORG. NO.		0-00-022-74753	
REV. 01		DATE 30.10.2008	
ZONE		CHD&APPD.	

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GENERAL ARRANGT. OF BOILER SECTIONAL SIDE ELEVATION