

GA OF BOILER SECTIONAL SIDE ELEVATION

REFERENCE DRAWINGS:-

DESCRIPTION	DRAWING NO.
GEN ARRGT. OF BOILER SEC. PLAN	0-00-022-75676
GEN ARRGT. OF BOILER FRONT ELEVATION	0-00-022-75678
KEY PLAN OF BOILERS	0-00-020-75679
LOCATION OF FURNACE OPENINGS AND BUCKSTAYS	0-00-020-75680
TP DETAILS OF FW, WS, HRH & CRH PIPING	0-00-020-75681
LAYOUT OF COLD AIR DUCTING-ELEVATION	0-00-020-75682
LAYOUT OF COLD AIR DUCTING-PLAN	0-00-020-75683
LAYOUT OF HOT AIR DUCTING-ELEVATION	0-00-020-75684
LAYOUT OF HOT AIR DUCTING-PLAN	0-00-020-75685
LAYOUT OF FLUE GAS DUCTING	0-00-020-75686
LAYOUT OF ID SYSTEM-ELEVATION	0-00-020-75687
LAYOUT OF ID SYSTEM-PLAN (UNIT No.1)	0-00-020-75688
LAYOUT OF ID SYSTEM-PLAN (UNIT No.2)	0-00-020-75689
FLOOR PLAN @ EL. 5250	0-00-021-75691
FLOOR PLAN @ EL. 5950 (MBL-S)	0-00-021-75705
FLOOR PLAN @ EL. 62750	1-00-021-71477
FLOOR PLAN @ EL. 88400	1-00-021-71484
BOILER EQUIPMENT DESIGNATION	3-00-020-70167

- NOTES:-**
- ALL FURNACE OPENINGS ARE TO BE PROVIDED ON BOTH SIDES, OTHERWISE STATED.
 - ALL DUCT DIMENSIONS ARE INSIDE SIZES ONLY.
 - ALL INNER CORNERS OF DUCT TURNING ARE 300 RADIUS ONLY, UNLESS OTHERWISE SPECIFIED.
 - ALL ELEVATIONS ARE WITH RESPECT TO FINISHED FLOOR LEVEL OF TG BUILDING AS EL. 0.00M WHICH CORRESPONDS EL.23.00M. FFL OF BOILER AREA SHALL BE 200mm BELOW FFL OF TG BLDG.

LEGEND:-

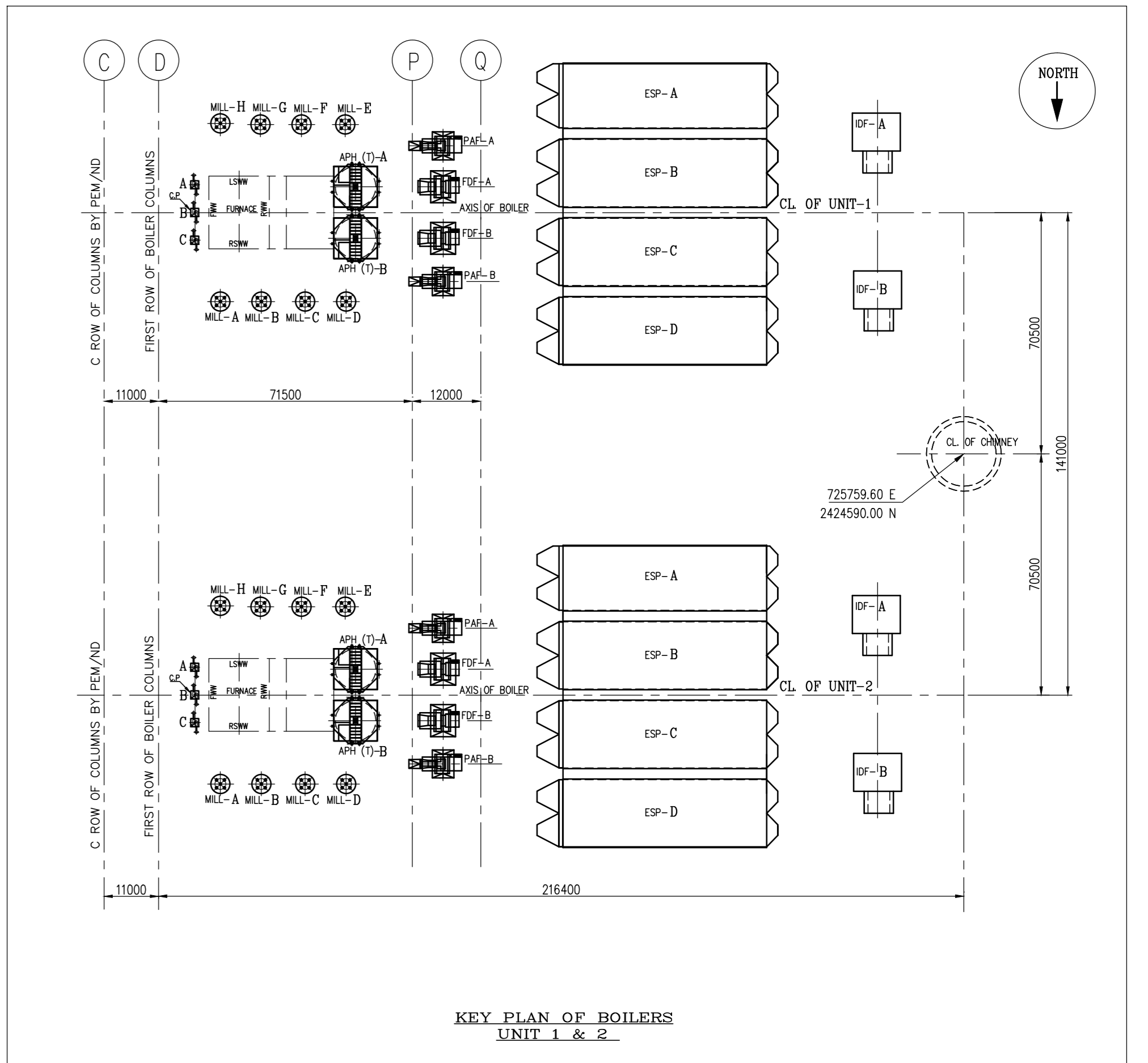
	LRSB LONG RETRACTABLE SOOT BLOWER
	WB WALL BLOWER
	F FUTURE WALL BLOWER
	TP TEMPERATURE PROBE
	AD ACCESS DOOR
	OD OBSERVATION DOOR
	ASLD ACOUSTIC STEAM LEAK DETECTION CHANNEL
	TP TERMINAL POINT
	MBL MAN BRACE LEVEL
	WP WORK POINT
	BS BUCK STAY
	FG FURNACE GUIDE AT AXIS OF BOILER
	FG FURNACE GUIDE
	F FUTURE LRSB
	WCAD WATER COOLED ACCESS DOOR

BOILER PARAMETERS (BMCR)

STEAM FLOW AT SUPER HEATER OUTLET	- 1955 t/h
PRESSURE OF SUPER HEATED STEAM	- 178 kg/50cm ² (G)
TEMPERATURE OF SUPERHEATED STEAM	- 540°C
STEAM FLOW AT REHEATER OUTLET	- 1663.7 t/h
ENTRY PRESSURE OF REHEATED STEAM	- 45.1 kg/50cm ² (G)
ENTRY TEMPERATURE OF REHEATED STEAM	- 338.6°C
EXIT PRESSURE OF REHEATED STEAM	- 42.45 kg/50cm ² (G)
EXIT TEMPERATURE OF REHEATED STEAM	- 540°C
FEED WATER INLET TEMPERATURE	- 254.6°C

DESCRIPTION OF UNIT:-

CONTROLLED CIRCULATION, SINGLE DRUM, RADIAN, DRY BOTTOM, SINGLE REHEAT, PULVERIZED COAL, FRED SOXH OUTDOOR, UTILITY UNIT, BALANCED DRAUGHT, OUT CORNER, 51 mm O.D. TUBES AT 63.5 mm CENTERS, WRAP AROUND BUCKSTAY SYSTEM. TWO NOS. OF EACH 600 MW CAPACITY.



CUSTOMER NO. 1615, 1616

CUSTOMER	D.B. POWER LIMITED, GURGAON, HARYANA			
CONSULTANT	DEVELOPMENT CONSULTANT PRIVATE LTD., KOLKATA			
PROJECT	D.B. SUPER THERMAL POWER PROJECT 2 X 600MW Village: Baradarha, District: Janjig-Champa Chhattisgarh - India			
	BHARAT HEAVY ELECTRICALS LTD BOILER PLANT, TRICHIRAPALLI - 520014			
NAME	SIGN	DATE	DEPT	TITLE
DRAWN	S.MOHANRAJ	14-09-2010	M	GENERAL ARRANGEMENT OF BOILER
CHECKED	S.SRINIVASAN	14-09-2010		SECTIONAL SIDE ELEVATION
APPROVED	G.VEERAMAN	14-09-2010		
ALL DIMENSIONS IN MILLIMETRE				DRG No. 0-00-022-75676
PROJECTION	SCALE	1:125		REV 00