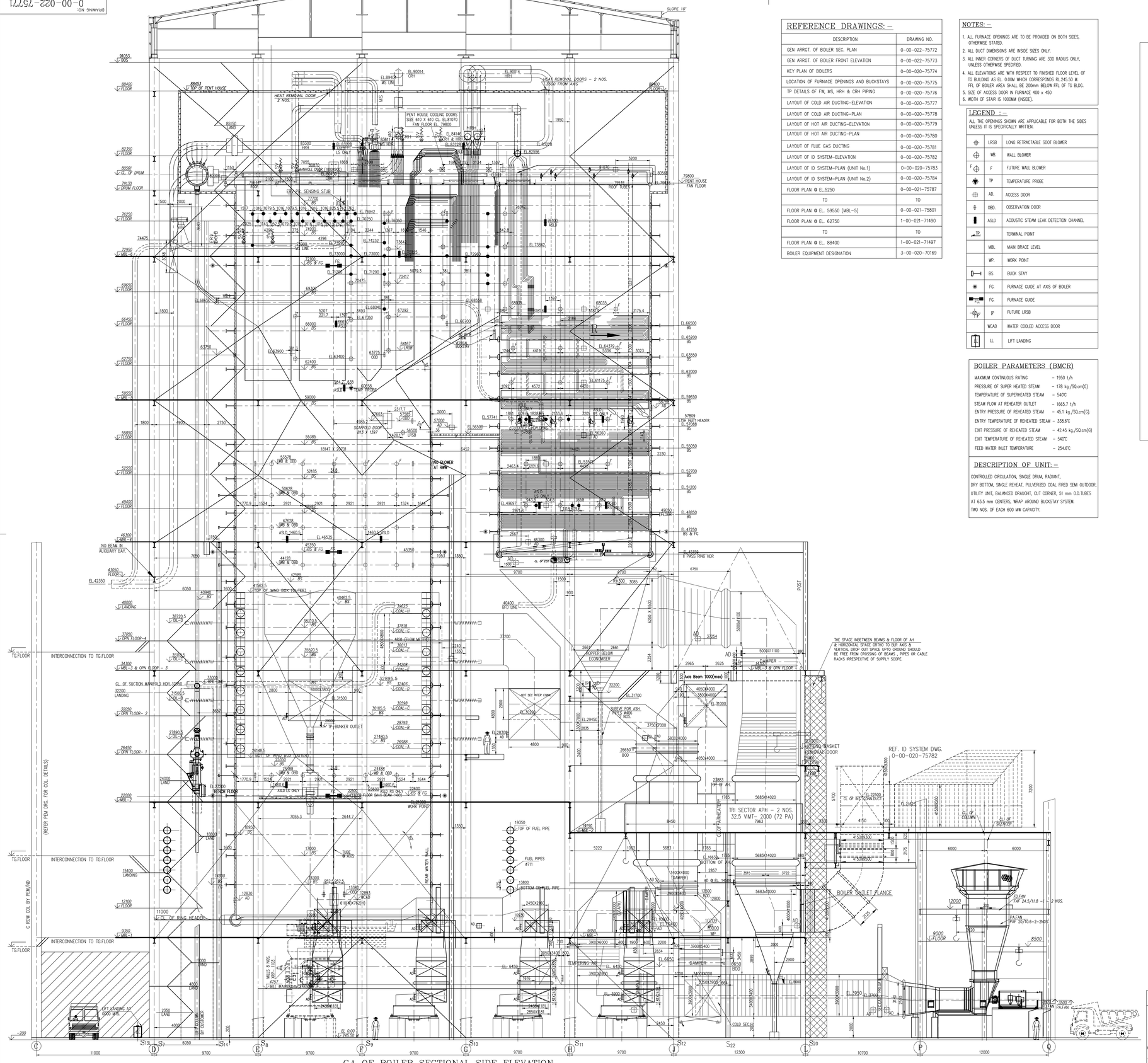
DRAWING NO. 0-00-022-75771



REFERENCE DRAWINGS: –

DESCRIPTION	DRAWING NO.
GEN ARRGT. OF BOILER SEC. PLAN	0-00-022-75772
GEN ARRGT. OF BOILER FRONT ELEVATION	0-00-022-75773
KEY PLAN OF BOILERS	0-00-020-75774
LOCATION OF FURNACE OPENINGS AND BUCKSTAYS	0-00-020-75775
TP DETAILS OF FW, MS, HRH & CRH PIPING	0-00-020-75776
LAYOUT OF COLD AIR DUCTING–ELEVATION	0-00-020-75777
LAYOUT OF COLD AIR DUCTING–PLAN	0-00-020-75778
LAYOUT OF HOT AIR DUCTING–ELEVATION	0-00-020-75779
LAYOUT OF HOT AIR DUCTING–PLAN	0-00-020-75780
LAYOUT OF FLUE GAS DUCTING	0-00-020-75781
LAYOUT OF ID SYSTEM–ELEVATION	0-00-020-75782
LAYOUT OF ID SYSTEM–PLAN (UNIT No.1)	0-00-020-75783
LAYOUT OF ID SYSTEM–PLAN (UNIT No.2)	0-00-020-75784
FLOOR PLAN @ EL.5250	0-00-021-75787
TO	TO
FLOOR PLAN @ EL. 59550 (MBL-5)	0-00-021-75801
FLOOR PLAN @ EL. 62750	1-00-021-71490
TO	TO
FLOOR PLAN @ EL. 88400	1-00-021-71497
BOILER EQUIPMENT DESIGNATION	3-00-020-70169

NOTES: –

1. ALL FURNACE OPENINGS ARE TO BE PROVIDED ON BOTH SIDES, 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. ALL ELEVATIONS ARE WITH RESPECT TO FINISHED FLOOR LEVEL OF TG BUILDING AS EL. 0.00M WHICH CORRESPONDS RL.245.50 M. FFL OF BOILER AREA SHALL BE 200mm BELOW FFL OF TG BLDG.
5. SIZE OF ACCESS DOOR IN FURNACE 400 x 450
6. WIDTH OF STAIR IS 1000MM (INSIDE).

LEGEND : –

ALL THE OPENINGS SHOWN ARE APPLICABLE FOR BOTH THE SIDES UNLESS IT IS SPECIFICALLY WRITTEN.

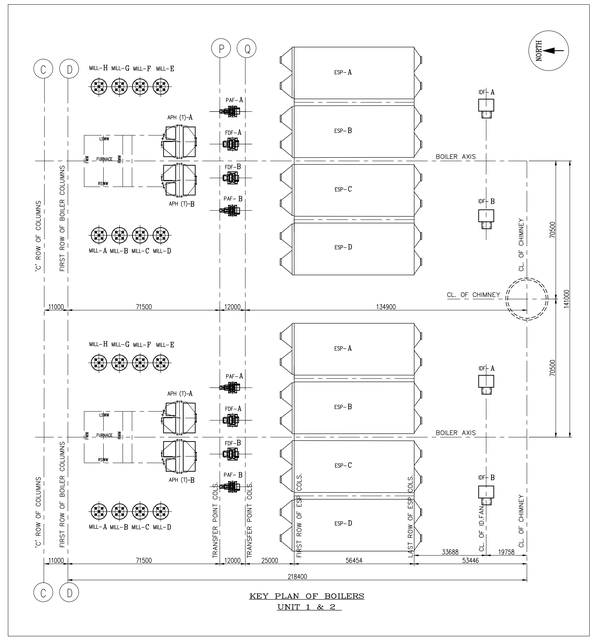
	LRSB	LONG RETRACTABLE SOOT BLOWER
	WB.	WALL BLOWER
F	F	FUTURE WALL BLOWER
	TP	TEMPERATURE PROBE
	AD.	ACCESS DOOR
	OBD.	OBSERVATION DOOR
	ASLD	ACOUSTIC STEAM LEAK DETECTION CHANNEL
TP		TERMINAL POINT
	MBL	MAIN BRACE LEVEL
	WP.	WORK POINT
	BS	BUCK STAY
	FG.	FURNACE GUIDE AT AXIS OF BOILER
	FG.	FURNACE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

BOILER PARAMETERS (BMCR)

MAXIMUM CONTINUOUS RATING	– 1950 t/h
PRESSURE OF SUPER HEATED STEAM	– 178 kg./SQ.cm(G)
TEMPERATURE OF SUPERHEATED STEAM	– 540°C
STEAM FLOW AT REHEATER OUTLET	– 1665.7 t/h
ENTRY PRESSURE OF REHEATED STEAM	– 45.1 kg./SQ.cm(G).
ENTRY TEMPERATURE OF REHEATED STEAM	– 338.6°C
EXIT PRESSURE OF REHEATED STEAM	– 42.45 kg./SQ.cm(G)
EXIT TEMPERATURE OF REHEATED STEAM	– 540°C
FEED WATER INLET TEMPERATURE	– 254.6°C

DESCRIPTION OF UNIT: –

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



KEY PLAN OF BOILERS
UNIT 1 & 2

REV.	DATE	ALTERED	S.S.V
01	08-01-2011	CHD. & APPD.	G.V

1. KEY PLAN UPDATED.
2. NOTE 4 CORRECTED FOR FFL.
3. NOTE 5 & 6 ADDED.
4. ELEVATION OF ECO HOPPER SHOWN AS 32200.
5. ROOF SLOPE SHOWN AS 10°
6. LOCATION OF SCAFFOLD DOOR REVSED FROM EL.57170 TO EL.57603.
7. PROJECT NAME IN TITLE BLOCK UPDATED.
8. OWNER'S LOGO ADDED IN THE TITLE BLOCK.

CAUTION: THE DRAWING IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD., AND IS NOT TO BE REPRODUCED OR USED TO EXPORT ANY INFORMATION FOR MAKING OF DRAWINGS OR APPARATUS EXCEPT BY PRIOR WRITTEN CONSENT OF BHEL.

CUSTOMER NO. 1617, 1618

PROJECT: 2X600MW VISA RAIGARH SUPER TPP, RAIGARH

OWNER: VISA POWER LTD.

OWNER'S CONSULTANT: DEVELOPMENT CONSULTANT PRIVATE LTD.

BHARAT HEAVY ELECTRICALS LTD
BOILER PLANT, TIRUCHIRAPALLI –620014

	NAME	SIGN	DATE	DEPT CODE
DRAWN	T.SELVARAJU	Sd...	09-12-2010	M
CHECKED	S.SRINIVASAN	Sd...	09-12-2010	
APPROVED	G.VEERAMANI	Sd...	09-12-2010	

ALL DIMENSIONS IN MILLIMETRE

TITLE: GENERAL ARRANGEMENT OF BOILER SECTIONAL SIDE ELEVATION

PROJECTION | SCALE 1:125 | DRG No. 0-00-022-75771 | REV 01