

LEGEND :-

AD	ACCESS DOOR
WB	WALL BLOWER

BOILER PARAMETERS (BMC)

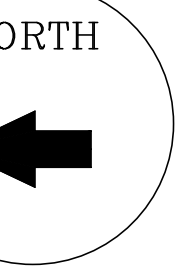
MAXIMUM CONTINUOUS RATING	- 1950 t/h
PRESSURE OF SUPER HEATED STEAM	- 178 kg/50cm(G)
TEMPERATURE OF SUPERHEATED STEAM	- 540°C
STEAM FLOW AT REHEATER OUTLET	- 1665.7 t/h
ENTRY PRESSURE OF REHEATED STEAM	- 45.1 kg/50cm(G)
ENTRY TEMPERATURE OF REHEATED STEAM	- 338.6°C
EXIT PRESSURE OF REHEATED STEAM	- 42.45 kg/50cm(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 NO. OF EACH 600 MW CAPACITY.

REFERENCE DRAWINGS :-	
DESCRIPTION	DRAWING NO.
GEN ARROT. OF BOILER SEC. ELEVATION	0-00-022-75771
GEN ARROT. OF BOILER FRONT ELEVATION	0-00-022-75773
KEY PLAN OF BOILERS	0-00-022-75774
LOCATION OF FURNACE OPENINGS AND BUCKSTAYS	0-00-022-75775
TP DETAILS OF FW, MS, HRH & CRH PIPING	0-00-022-75776
LAYOUT OF COLD AIR DUCTING-ELEVATION	0-00-022-75777
LAYOUT OF COLD AIR DUCTING-PLAN	0-00-022-75778
LAYOUT OF HOT AIR DUCTING-ELEVATION	0-00-022-75779
LAYOUT OF HOT AIR DUCTING-PLAN	0-00-022-75780
LAYOUT OF FLUE GAS DUCTING	0-00-022-75781
LAYOUT OF ID SYSTEM-ELEVATION	0-00-022-75782
LAYOUT OF ID SYSTEM-PLAN (UNIT No.1)	0-00-022-75783
LAYOUT OF ID SYSTEM-PLAN (UNIT No.2)	0-00-022-75784
FLOOR PLAN @ EL.5250	0-00-021-75787
TO	TO
FLOOR PLAN @ EL. 59550 (WBLS)	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	3-00-022-70169

- NOTES :-**
- THE CABLE RACK, PIPE RACKS AND ASH PIPES SHOULD NOT ENCROACH IN TO THE HANDLING VAULTS. THIS IS VALID FOR BOTH HORIZONTAL & VERTICAL HANDLING VAULTS. SITE ERECTION AGENCY SHOULD INFORM THEIR SUB ERECTOR AND ALL OTHER ALLIED BODIES NOT TO EXIST ANY OTHER ELEMENTS IN HANDLING VAULTS OF TOP/AD 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.
 - THE FAN FOUNDATION AND CONFIGURATIONS ARE ONLY INDICATIVE & REFER FAN FOUNDATION DRAWINGS FOR EXACT SHAPE & SIZE.
 - ALL FAN ACTUATORS AND FOUNDATION SIZES SHALL BE TAKEN FROM CONCERNED FAN DRAWINGS AND SIZE OF LOCATION SHALL BE AS SHOWN IN THIS DRAWING.
 - THE SPACE FOR ASH HANDLING SYSTEM HAVE BEEN SHOWN. THE ACTUAL SYSTEM SHOULD NOT EXCEED THE VALUES INDICATED.
 - FOR THE DETAILS BEYOND LAST ROW OF COLUMNS, THE INDUCED DRAFT SYSTEM DRAWING MAY BE REFERRED. THIS IS VALID FOR ALL UNITS & IN-BETWEEN CHIMNEY & BOILER.
 - ALL ELEVATIONS ARE WITH RESPECT TO FINISHED FLOOR LEVEL OF TO BUILDING AS EL. 0.00M WHICH CORRESPONDS RL.245.50 M. FFL OF BOILER AREA SHALL BE 200mm BELOW FFL OF TG BLDG.
 - SIZE OF ACCESS DOOR IN FURNACE 400 x 450
 - WIDTH OF STAIR IS 1000MM (NSDC).



NORTH

GENERAL ARRANGEMENT OF BOILER SECTIONAL PLAN

REV.	DATE	ALTERED	S.S.V.
01	08-01-2011	CHD. & APPR.	G.V.
1. SPACE FOR ELEVATOR (BY CUSTOMER) NEAR COL. S1R UPDATED.			
2. NOTE 6 CORRECTED FOR FFL.			
3. NOTE 7 & 8 ADDED.			
4. SPACE FOR MILL MAINTENANCE AREA INCREASED.			
5. PROJECT NAME IN TITLE BLOCK UPDATED.			
6. 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 FURNISH ANY INFORMATION FOR MAKING OF DRAWINGS OR APPARATUS EXCEPT WHERE PROVIDED FOR AGREEMENT WITH SAID COMPANY.

CUSTOMER NO. 1617, 1618

2X600MW VISA RAIGARH SUPER TPP, RAIGARH

OWNER **VISA POWER LTD.**

OWNER'S CONSULTANT **DEVELOPMENT CONSULTANT PRIVATE LTD.**

BHARAT HEAVY ELECTRICALS LTD
BOILER PLANT, TIRUCHIRAPPALLI - 620014

NAME	SIGN	DATE	DEPT	TITLE:
S.MOHANRAJ	Sd...	09-12-2010	CODE	GENERAL ARRANGEMENT OF BOILER SECTIONAL PLAN
S.SRINIVASAN	Sd...	09-12-2010	M	
S.VENKATARAMAN	Sd...	09-12-2010		
ALL DIMENSIONS IN MILLIMETRE				

PROJECTION

SCALE

1:125

DRG No.

0-00-022-75772

REV

01