

NOTES

1. THE CABLE RECK, PIPE RACKS AND ASH PIPES SHOULD NOT ENCROUGH 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, FLD/PAJ FAN HANDLING, AH ELEMENTS HANDLING, MILL HANDLING AND ALL OTHER HANDLING SHOWN IN BOLLER AREA. EVEN UNKNOWINGLY ERECT THEN THOSE DEBRIS SHOULD BE REMOVED AT THEIR OWN COST AFTERWARDS
2. THE FAN FOUNDATION AND CONFIGURATIONS ARE ONLY INDICATIVE & FOR EXACT SCALE & SIZE REFER FAN FOUNDATION DRAWINGS.
3. ALL FAN ACTUATORS AND FOUNDATION SIZES SHALL BE TAKEN FROM CONCRETE DRAIN DRAWINGS AND DATE OF LOCATION SHALL BE AS SHOWN IN THIS DRAWING.
4. THE SPACE FOR ASH HANDLING SYSTEM HAVE BEEN SHOWN. THE ACTUAL SYSTEM SHOULD NOT EXCEED THE VALUES INDICATED. (25000*12000)
5. FOR THE DETAILS BEFORE LAST ROW OF COLUMNS, THE INDUCED DRAFT SYSTEM DRAWING MAY BE REFERRED. THIS IS VALID FOR ALL UNITS & IN-BETWEEN CHIMNEY & BOLLER.
6. ALL SHADED AREA ARE EXISTING IN FFL.
7. ALL ELEVATIONS ARE WITH RESPECT TO EL+0.00m WHICH CORRESPONDS TO RL - +271.5 M.
8. ALL FURNACE OPENINGS ARE TO BE PROVIDED ON BOTH SIDES, OTHERWISE SPECIFIED.
9. ALL DUCT DIMENSIONS ARE INSIDE SIZES ONLY.
10. ALL INNER CORNERS OF DUCT TURNING ARE 300 RADIUS ONLY, UNLESS OTHERWISE SPECIFIED.
11. THE GA SECTIONS ARE NAMED AS "AA", "BB/ACC" & "DD".
SECTION "AA" IS COMPOSITE WHICH SHOWS MILLS, AH, FANS & CHIMNEY ABOVE AH AND CRITICAL PIPING. SECTION "DD" COVERS PIPING AND OTHER DETAILS ABOVE EL+2.4 M.
12. WIDTH OF STAIR CASES ARE 1200mm.
13. WIDTH OF VERTICAL LADDERS ARE 450mm.

BOILER PARAMETERS (BMCR)	
MAXIMUM CONTINUOUS RATING	~ 1590.0 t/h
PRESSURE OF SUPER HEATED STEAM	~ 178 kg./SQ.cm(c)
TEMPERATURE OF SUPERHEATED STEAM	~ 540°C
STEAM FLOW AT REHEATER OUTLET	~ 1358.0 t/h
ENTRY PRESSURE OF REHEATED STEAM	~ 45.02 kg./SQ.cm(c).
ENTRY TEMPERATURE OF REHEATED STEAM	~ 337.3°C
EXIT PRESSURE OF REHEATED STEAM	~ 42.37 kg./SQ.cm(c)
EXIT TEMPERATURE OF REHEATED STEAM	~ 568°C
FEED 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 EACH 500MW CAPACITY.

LEGEND

ALL THE OPENINGS SHOWN ARE APPLICABLE FOR BOTH THE SIDINGS UNLESS IT IS SPECIALLY WRITTEN.		
	LRSB	LONG RETRACTABLE SOOT BLOWER
	FF	FUTURE LRSB WITH FLOOR IN ORIGINAL DESIGN
	WB	WALL BLOWER
	TP	TEMPERATURE WALL BLOWER
	TP	TEMPERATURE PROBE
	AD	ACCESS DOOR
	OBD	OBSERVATION DOOR
		TERMINAL POINT
	MBL	MAIN BRACE LEVEL
	WP	WORK POINT
	BS	BUCK STAY
	FG	FURNACE GUIDE AT AXIS OF BOILER
	FG	FURNACE GUIDE
	APM	ACOUSTIC PYRO METER OPENINGS
	WCAD	WATER COOLED ACCESS DOOR
	IN	INSTRUMENT INSERT
	FVS	FLAME VIEWING SYSTEM
	ASLD	ACOUSTIC STEAM LEAK DETECTION SYSTEM

CERTIFIED TRUE COPY
SIMHADRI - STAGE-II, UNIT-3&4
NTPC DRG. NO. 3530-101-01-TR-PVM-B-002
BHEL DRAWING. NO. 0-00-022-74180/04
PERTAINING TO GA OF BOILER SECTIONAL SIDE ELEVATION

JOB STATUS:					NTPC No. 9561-101-01-TR-PVM-B-002B		CUSTOMER No. 0661, 0662	
TO DISTRIBUTION					CUSTOMER NTPC LIMITED			
TO					PROJECT			
No. OF					MAUDA THERMAL POWER PROJECT (2x500MW)			
01					STEAM GENERATOR WITH ELECTROSTATIC PRECIPITATOR PACKAGE			
DATE					BPHAR HEAVY ELECTRICALS LTD			
19-MAR-05					BOILER PLANT UNIT			
ALTO					TRICHIAPPALLI - 620014			
CHD					TITLE			
APPO					GENERAL ARRANGEMENT OF BOILER			
19-MAR-05					SECTIONAL SIDE ELEVATION			
19-MAR-05					DRAWING No.		SCALE	
19-MAR-05					1:125		DRAWING No.	
19-MAR-05					PROJECTION		REV	
19-MAR-05					SHEET		OF	
19-MAR-05					0-00-022-74540		0	