DWG. NO. 0-00-022-77364 REV. 00

GENERAL NOTES: –

1. ALL ELEVATIONS ARE WITH RESPECT TO EL. (+)0.00m, FINISHED GROUND FLOOR LEVEL OF TG BUILDING AND MILL BAY, WHICH CORRESPONDS TO RL XXXX m . FINISHED GROUND FLOOR LEVEL (PAVING LEVEL) OF BOILER AND ESP AREAS ARE AT (–)XXXXm, WHICH CORRESPONDS TO RL. XXXX m. FINISHED GROUND FLOOR LEVEL (PAVING LEVEL) OF MILL BAY AND CHIMNEY AREA(INSIDE) ARE AT (+)0.00m, WHICH CORRESPONDS TO RL XXXX m.
2. FOR ALL INFORMATION & DIMENSIONS, SEE REFERENCE DRAWINGS.
3. ALL DUCT DIMENSIONS ARE TO THE INSIDE OF DUCT PLATES.
4. ALL INSIDE DUCT RADII TO BE 600mm, UNLESS NOTED.
5. ALL FURNACE OPENINGS ARE IN BOTH SIDES OF FURNACE, UNLESS NOTED.
6. ALL PLATFORM ELEVATIONS ARE TO TOP OF GRATING, UNLESS NOTED.
7. ACCESS DOOR SIZES TO BE:
   - 500mm X 500mm IN TUBE WALLS
   - 500mm x 500mm IN DUCTS
   - 610mm X 610mm IN ENCLOSURES
   - 610mm x 610mm – FURNACE ROOF ENCLOSURE HEAT REMOVAL DOORS
   - 813mm X 1397mm – WATER–COOLED SCAFFOLD DOOR IN UPPER FURNACE SIDEWALL
   - 610mm X 762mm – WATER–COOLED SCAFFOLD DOOR IN LOWER FURNACE SIDEWALL
8. CENTERLINE OF ALL DUCT ACCESS DOORS TO BE LOCATED 600mm ABOVE BOTTOM INSIDE OF DUCT PLATES UNLESS NOTED.
9. IT IS THE INTENT OF THE GEN. ARRGTS. TO SHOW ONLY THE MAJOR BOILER EQUIPMENT COMPONENTS AND ACCESSORIES. ALL OTHER EQUIPMENT IS SHOWN TO A LIMITED EXTENT AND ONLY WHERE IT AFFECTS THE BOILER EQUIPMENT ARRANGEMENT.
10. ALL SIZES AND DIMENSIONS SHOWN ARE IN MILLIMETERS.

BOILER PARAMETERS (BMCR)

STEAM FLOW AT SUPER HEATER OUTLET	– 2585 T/Hr
PRESSURE AT SUPER HEATER OUTLET	– 255 Kg./SQ.cm(G)
TEMPERATURE AT SUPERHEATER OUTLET	– 568 °C
STEAM FLOW AT REHEATER OUTLET	– 2042 T/h
PRESSURE AT REHEATER INLET	– 62.35 Kg./SQ.cm(G)
TEMPERATURE AT REHEATER INLET	– 355.3 °C
PRESSURE AT REHEATER OUTLET	– 59.95 Kg./SQ.cm(G)
TEMPERATURE AT REHEATER OUTLET	– 596.0 °C
FEED WATER INLET TEMPERATURE	– 299.2 °C

DESCRIPTION OF UNIT

FIVE UNITS OF 800 MW ONCE THROUGH SUPERCRITICAL, HAVING TWO PASS, SPIRAL WATER WALL TUBE, TOP SUPPORTED, SINGLE REHEAT, TANGENTIAL CORNER FIRED FURNACE WITH DIRECT PULVERIZED COAL FIRING, BALANCE DRAFT, RADIANT DRY BOTTOM (WATER IMPOUNDED) AND SEMI OUTDOOR TYPE.

LEGEND

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

✳	LRSB	LONG RETRACTABLE SOOT BLOWER
✳½	F	FURTURE LONG RETRACTABLE SOOT BLOWER
⊕	WB.	WALL BLOWER
⊕F	F	FUTURE WALL BLOWER
▲	TP	TEMPERATURE PROBE
⊠	AD.	ACCESS DOOR–REFER NOTES
▮	OBD.	OBSERVATION DOOR– 100X250
✥	ASLD	ACOUSTIC STEAM LEAK DETECTION CHANNEL
TP		TERMINAL POINT UNDER BOILER SCOPE
	MBL	MAIN BRACE LEVEL
	WP.	WORK POINT
	BS	BUCK STAY
◉		TV CAMERA
●	IN	INSTRUMENT INSERTS
E		ELEVATOR LANDING

REFERENCE DRAWINGS

DESCRIPTION	DRAWING NO.
GEN ARRGT. OF BOILER SECTIONAL PLAN SEC–AA	0–00–022–77365
GEN ARRGT. OF BOILER SECTIONAL PLAN SEC–BB	0–00–022–77366
GEN ARRGT. OF BOILER SECTIONAL PLAN SEC–CC	0–00–022–77367
GEN ARRGT. OF BOILER SECTIONAL PLAN SEC–DD	0–00–022–77368
GEN ARRGT. OF BOILER FRONT ELEVATION SEC–FF	0–00–022–77369
BOILER EQUIPMENT DESIGNATION	1–00–020–71641

SIDE ELEVATION –"E–E"

CUSTOMER No.:1823 TO 1827

CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD

PROJECT : YADADRI THERMAL POWER STATION-5X800MW
NALGONDA DIST.,TELANGANA STATE, INDIA

BHARAT HEAVY ELECTRICALS LTD
HIGH PRESSURE BOILER PLANT
TIRUCHIRAPALLI-620014, INDIA

DEPT CODE		NAME	SIGN	DATE
	DRWN	LOKESH	Sd/-	30.10.2017
–	CHD	S.KAILASH	Sd/-	30.10.2017
	APPD	K.A.PALANIYAPPAN	Sd/-	31.10.2017

TITLE: GENERAL ARRGT.OF BOILER SEC.SIDE ELEVATION – SECTION EE

DEPT. SCALE 150 | DRAWING NO. 0-00-022-77364
SIGN
SHEET 1 OF 1 OF | REV. 00
SIZE–A0

REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED	DATE

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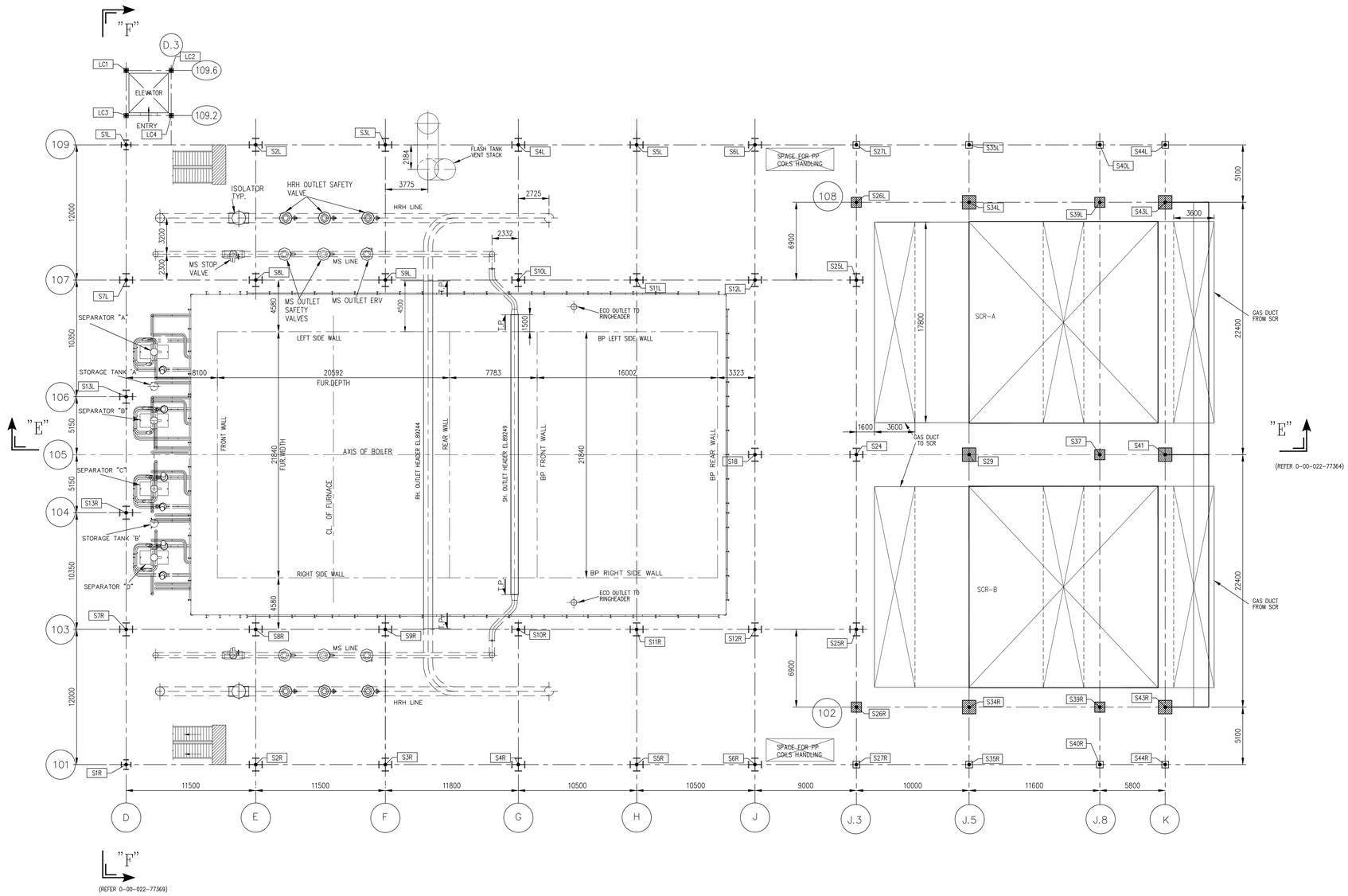

SECTIONAL PLAN –SECTION DD

(REFER 0–00–022–77364)

REFERENCE DRAWINGS

DESCRIPTION	DRAWING NO.
GEN ARRGT. OF BOILER SEC. SIDE ELEVATION SEC–EE	0–00–022–77364
GEN ARRGT. OF BOILER SECTIONAL PLAN SEC–AA	0–00–022–77365
GEN ARRGT. OF BOILER SECTIONAL PLAN SEC–BB	0–00–022–77366
GEN ARRGT. OF BOILER SECTIONAL PLAN SEC–CC	0–00–022–77367
GEN ARRGT. OF BOILER FRONT ELEVATION SEC–FF	0–00–022–77369
BOILER EQUIPMENT DESIGNATION	1–00–020–71641

REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED	DATE

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CUSTOMER: TELANGANA STATE POWER GENERATION CORPORATION LTD

PROJECT : YADADRI THERMAL POWER STATION-5X800MW
NALGONDA DIST.,TELANGANA STATE, INDIA

BHARAT HEAVY ELECTRICALS LTD
HIGH PRESSURE BOILER PLANT
TIRUCHIRAPALLI-620014, INDIA

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DRWN	S.KAILASH	Sd/-	30/10/17
CHD	S.KAILASH	Sd/-	30/10/17
APPD	K.PALANIAPPAN	Sd/-	31/10/17

TITLE: GENERAL ARRGT.OF BOILER SEC.PLAN–DD

DEPT. SCALE 150 DRAWING NO. 0-00-022-77368
SIGN
SHEET 1 OF 1 OF REV. 00
SIZE–A0

A0 (1189 x 841)