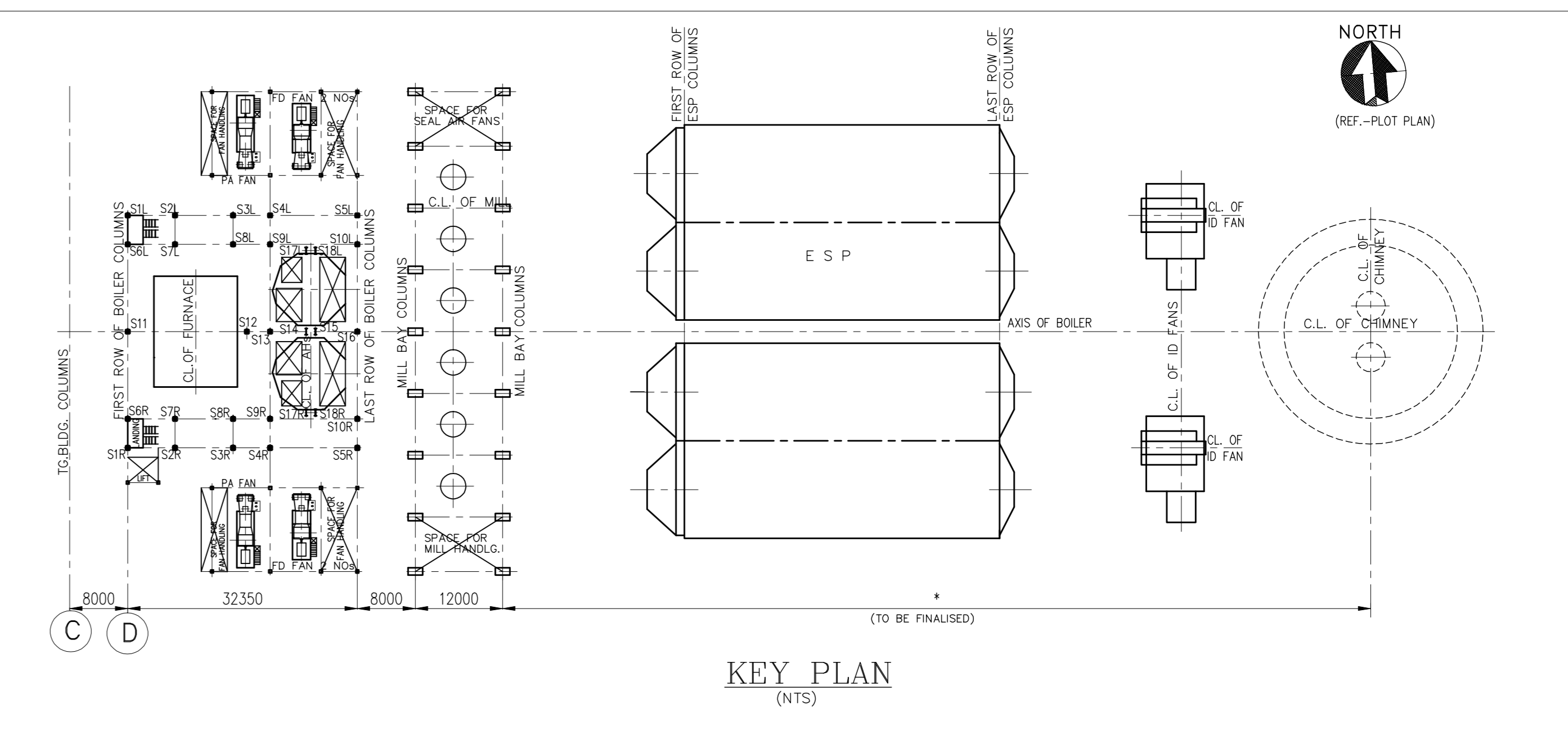


BOILER SECTIONAL SIDE ELEVATION



KEY PLAN (NTS)

DESCRIPTION OF THE UNIT
 ONE NUMBER OF 270 MW BOILER, NATURAL CIRCULATION, TWO PASS, SINGLE DRUM, DIRECT, PULVERISED COAL FIRED, BALANCED DRAFT FURNACE, SINGLE REHEAT, RADIANT DRY BOTTOM, SUITABLE FOR OUTDOOR INSTALLATION & SIX NUMBERS OF BOWL MILLS ARRANGED AT THE REAR OF THE BOILER.

NOTES: -
 1. ALL DUCT SIZES ARE INSIDE DIMENSIONS ONLY UNLESS OTHERWISE SPECIFIED
 2. ALL ELEVATIONS ARE REFERRED TO FINISHED GROUND FLOOR LEVEL OF POWER HOUSE BUILDING AS ELEVATION O.D.M. WHICH CORRESPONDS TO RL.XXXXX M.

REFERENCE DRAWINGS: -

S.NO.	DESCRIPTION	DRAWING NO.
1	GEN ARRANGEMENT OF BOILER SEC. SIDE ELEVATION	0-00-022-75292
2	GEN ARRANGEMENT OF BOILER SEC. PLAN	0-00-022-75293
3	TP DETAILS OF FW, MS, HRH & CRH PIPING	0-00-020-75296
4	LOCATION OF FURNACE OPENINGS AND BUCKSTAYS	0-00-020-75297
5	LAYOUT OF COLD AIR DUCTING-ELEVATION	0-00-020-75298
6	LAYOUT OF COLD AIR DUCTING-PLAN	0-00-020-75299
7	LAYOUT OF HOT AIR DUCTING-ELEVATION	0-00-020-75300
8	LAYOUT OF HOT AIR DUCTING-PLAN	0-00-020-75301
9	LAYOUT OF ID SYSTEM-ELEVATION	0-00-020-75294
10	LAYOUT OF ID SYSTEM-PLAN	0-00-020-75295
11	LAYOUT OF FLUE GAS DUCTING	0-00-020-75303
12	FLOOR PLAN @ EL.7000 MBL-1	1-00-021-71333
	TO	
	FLOOR PLAN @ EL. 59850	1-00-021-71348

LEGEND: -

SYMBOL	ABBREVIATION	DESCRIPTION
TP	TP	TERMINAL POINT UNDER BOILER SCOPE OF SUPPLY
AD	AD	ACCESS DOOR
○	○	OBSERVATION DOOR
○	F	FUTURE OBSERVATION DOOR
○	LRSB	LONG RETRACTABLE SOOT BLOWER
○	F	FUTURE LONG RETRACTABLE SOOT BLOWER
◆	IN	INSTRUMENT INSERT
BS	BS	BUCKSTAY
FG	FG	FURNACE GUIDE
FG	FG	FURNACE GUIDE ON FRONT/REAR WALLS
WB	WB	WALL BLOWER
WB	F	FUTURE WALL BLOWER
MBL	MBL	MAIN BRACE LEVEL
WP	WP	WORK POINT
TP	TP	TEMPERATURE PROBE
LL	LL	LIFT LANDING FLOOR

BOILER PARAMETERS

01. STEAM FLOW AT SUPER HEATER OUTLET	: 865 T/HR
02. STEAM PRESSURE AT SUPERHEATER OUTLET	: 155 KG/CM ² (G)
03. STEAM TEMPERATURE AT SUPERHEATER OUTLET	: 540° C
04. STEAM FLOW AT REHEATER OUTLET	: 749.4 T/HR
05. STEAM PRESSURE AT REHEATER INLET	: 39.41 KG/CM ² (G)
06. STEAM PRESSURE AT REHEATER OUTLET	: 37.35 KG/CM ² (G)
07. STEAM TEMPERATURE AT REHEATER INLET	: 344.6° C
08. STEAM TEMPERATURE AT REHEATER OUTLET	: 540° C
09. FEED WATER TEMPERATURE ENTERING ECONOMISER	: 247.2° C

CUSTOMER NO. 1214

CUSTOMER: **IEPL** IDEAL ENERGY PROJECTS LIMITED

PROJECT: 1X270 MW COAL BASED POWER PLANT NEAR VILLAGE BELA, NAGPUR, MAHARASHTRA

CONSULTANT: **BE** DEVELOPMENT CONSULTING (P) LIMITED, NEW DELHI

BHARAT HEAVY ELECTRICALS LIMITED.,
 BOILER PLANT UNIT, TIRUCHIRAPALLI-INDIA-620 014

NO.	NAME	SIGNATURE	DATE	TITLE
DRAWN	M.J.	[Signature]	10-08-09	GENERAL ARRANGEMENT OF BOILER SECTIONAL SIDE ELEVATION
CHECKED	K.PALANIKAVAN	[Signature]	10-08-09	
APPROVED	K.PALANIKAVAN	[Signature]	14-08-09	

ALL DIMENSIONS IN MILLIMETRE

SCALE: 1 : 100

DRG. NO. 0-00-022-75292

REV. 00