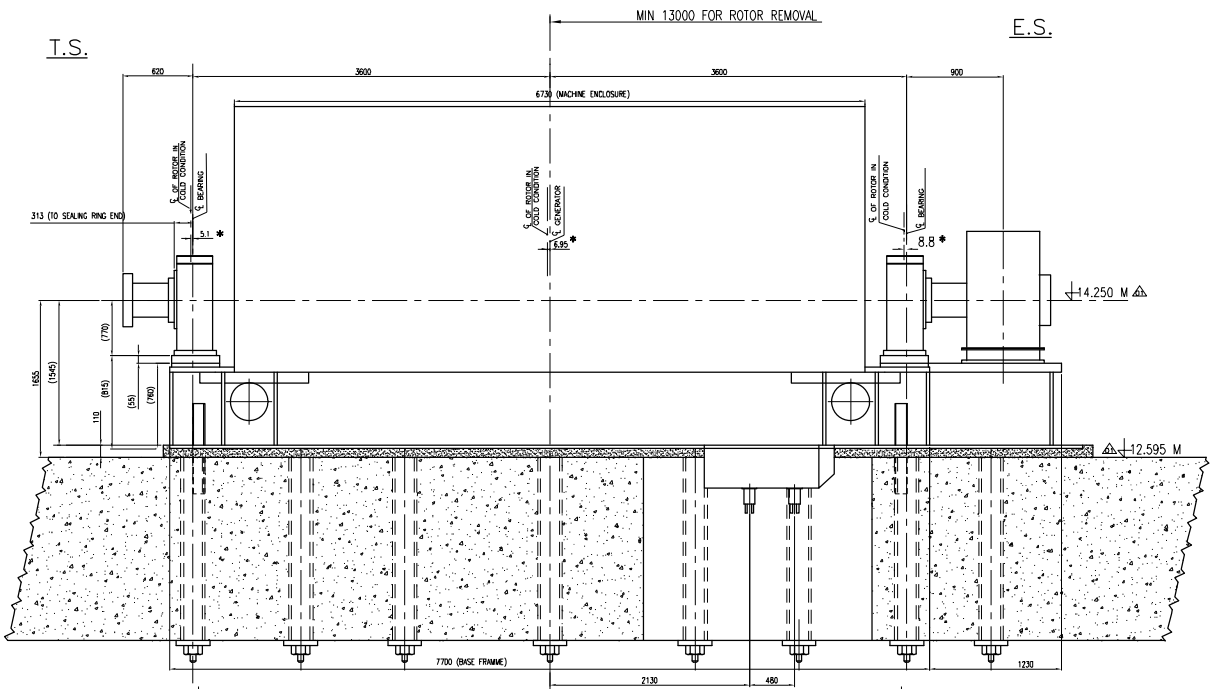
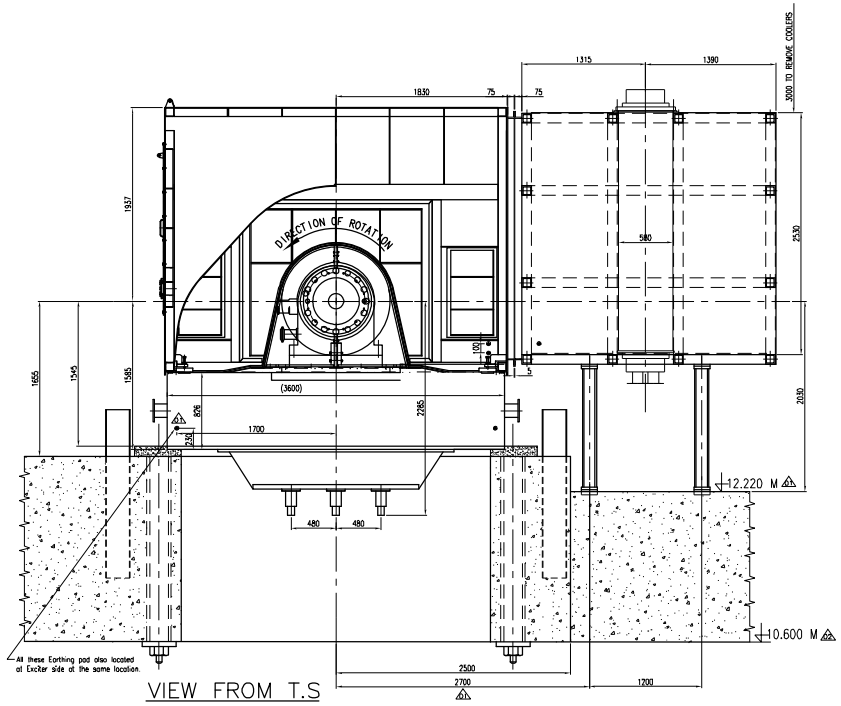
FIRST ANGLE PROJECTION

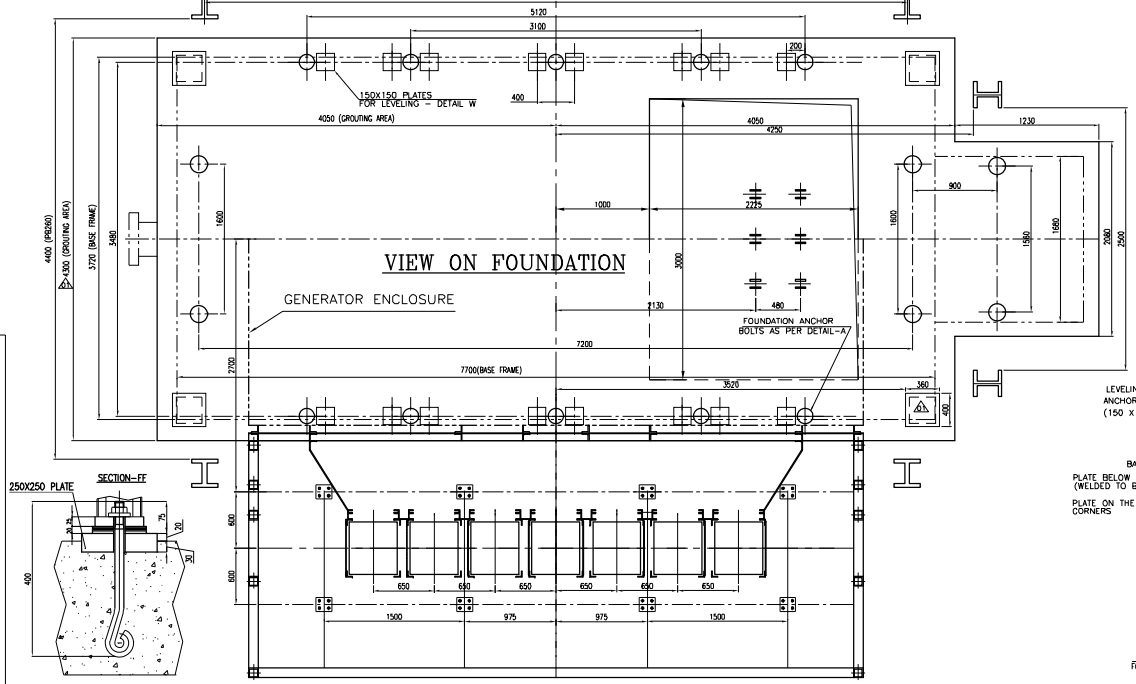
(ALL DIMENSIONS ARE IN mm)

DRG. NO. 0-139-12-31420 SHT. 1 OF 1

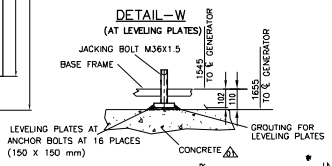


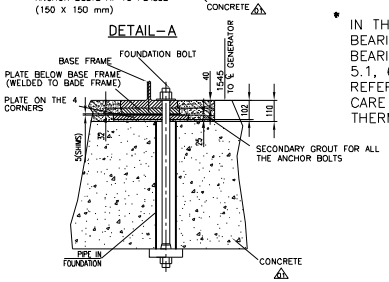


VIEW FROM T.S



VIEW ON FOUNDATION





WEIGHT IN TONNES

1. GENERATOR STATOR	:	145.0
2. GENERATOR ROTOR	:	31.5
3. BEARINGS	:	7.5
4. ACCESSORIES	:	8.0
5. EXCITER	:	3.0
6. MAX. TRANSPORT WEIGHT	:	187.0
7. MAX. ERECTION WEIGHT	:	187.5
8. TOTAL WEIGHT	:	187.5

TECHNICAL DATA

01. TYPE	:	TARI 930-36P
02. RATING	:	125 MVA
03. VOLTAGE	:	11 KV
04. FREQUENCY	:	50 Hz
05. RATED POWER FACTOR	:	0.8 LAG
06. CURRENT	:	6561 A
07. OPERATING SPEED	:	3000 RPM
08. MASS MOMENT OF INTERTIA OF ROTOR ($GD^2/4$)	:	3265 $Kg.m^2$
09. CRITICAL SPEED	:	1170 , 3650 RPM
10. QTY. OF LUBRICATING OIL PER GEN. BEARING.	:	110 LT/MIN.
11. PRESSURE OF LUBE OIL	:	1.8 BAR
12. QTY. OF JACKING OIL PER BRG.	:	10 LT/MIN
13. PRESSURE OF JACKING OIL	:	123 BAR
14. DIRECTION OF ROTATION	:	ANTI-CLOCKWISE WHEN VIEWED FROM TURBINE END

* IN THE GENERATOR PACKAGE, THE GEN.FRONT BEARING,GENERATOR STATOR AND GEN. REAR BEARING ARE TO BE SHIFTED TOWARDS E.S. BY 5.1, 6.95 AND 8.8 mm RESPECTIVELY WITH REFERENCE TO ROTOR CENTRE LINES TO TAKE CARE OF TURBINE AND GENERATOR ROTOR THERMAL EXPANSIONS.

GENERAL DIMENSIONAL LIMITS,FITS & TOLERANCES AS PER HYD230261

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CONSULTANT:	BECHTEL FREDERICK, MARYLAND, U.S.A
PROJECT:	STG PACKAGE (4 X 93.1 MW STGs), CCPP HAZIRA MANUFACTURING DIVISION (HMD) STG PACKAGE (3 X 90.3 MW STGs), CCPP DAHEJ MANUFACTURING DIVISION (DMD)
CLIENT:	RELIANCE INDUSTRIES LIMITED COAL BASED CAPTIVE POWER PLANT (CCPP)
RL DRG. NUMBER DAHEJ	10091-M53-DAT000-BHG-0001
RL DRG. NUMBER HAZIRA	10090-M53-HAT000-BHG-0001
RL DRG. REVISION	002
BECHTEL DOCUMENT NUMBER	25634-000-VLB-MU8G-00048

BHARAT HEAVY ELECTRICALS LTD. HYDERABAD

	NAME	SIGN.	DATE	NO. OF VAR
DRN.	SHAUKAT		24.10.13	
CHD.	K.C.PANDA		24.10.13	N.A.
APPD.	U.SRIDHAR		24.10.13	

DEPT ENG.	LIMITS, DWG. GR.	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG	ITEM NO.	NO.OF ITEMS
CODE 428	9/W/F	N.T.S	N.A.	N.A.	N.A.	N.A.

TITLE: LAYOUT OF GENERATOR

CARD CODE: N.A.

BHEL DRAWING NO. 0-139-12-31420 REV. 02

SHT. NO. 1 NO. OF SHT. 1

REV.	DATE	ALTERED	REASON
01	03.01.14	CHD/APPD	REVISED INLINE WITH CONSULTANT COMMENTS.
02	19.03.14	CHD/APPD	WEIGHT AND TITLE BLOCK MODIFIED.

Mar Wed 19 15:16 2014

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