FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

SH. 01 OF 01 DRG. NO. 1-139-12-31307/02

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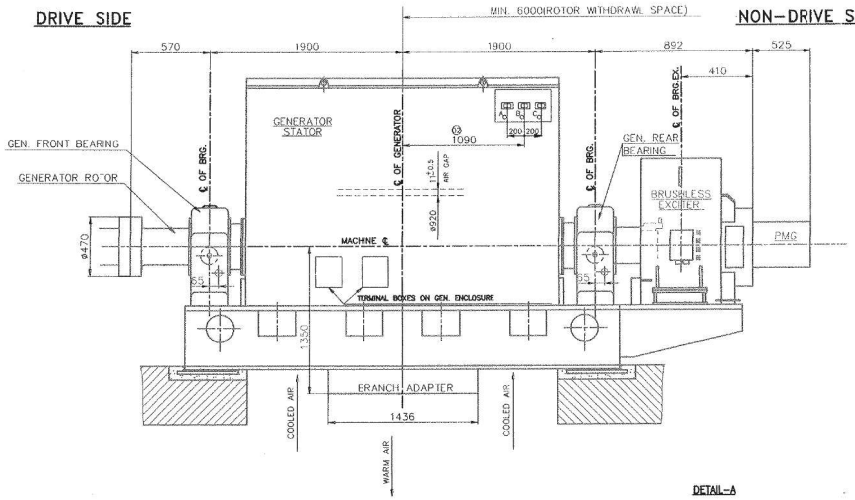
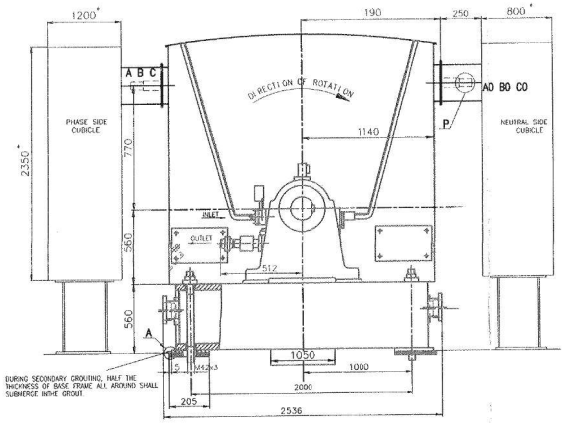
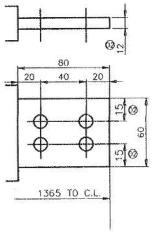
DRIVE SIDE



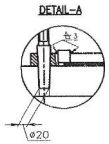
NON-DRIVE SIDE



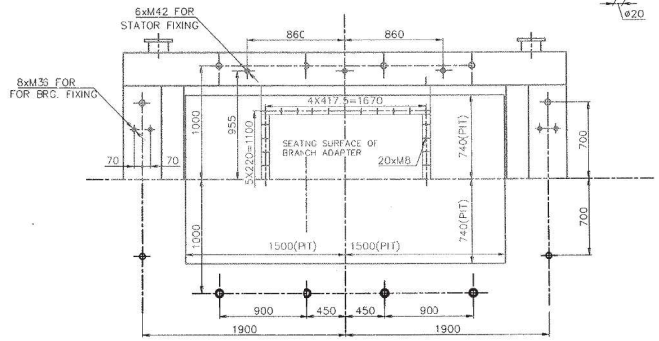
DETAIL P



DETAIL-A

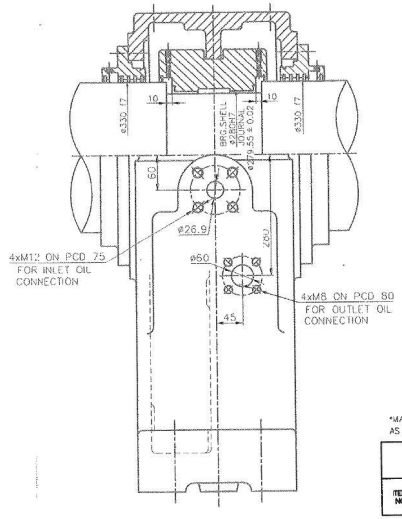


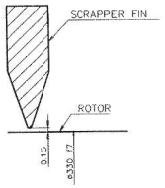
SEATING SURFACE OF GEN.,BRGS



SEATING SURFACE OF BASE FRAME

BEARING DETAIL





TECHNICAL DATA

RATING	: 15.094 MVA,12.075MW,11KV
CURRENT	: 792 AMPS
POWER FACTOR	: 0.8PF
SPEED	: 1500 RPM
EXCITATION	: 160/472 AMPS
	: 37/135 VOLTS
DEGREE OF PROTECTION	: IP 54

MECHANICAL DATA

AMOUNT OF COOLING AIR	: 11 Cu M/SEC
MAX. SHORT CIRCUIT TORQUE	: 985 KN-M
GD^2 OF ROTOR	: 2830 Kgm^2
CRITICAL SPEED OF ROTOR	: >1800 RPM
VOLUME OF OIL FOR BOTH BEARINGS	: 120 LITRES
QUA. OF LUBE OIL [FOR TWO BEARINGS]	: 45 LITRES/MIN
OIL INLET TEMPARATURE (MAX)	: 45 °C
OIL PRESSURE (MAX)	: 0.5 BAR

WEIGHTS(IN TONS)

STATOR OF GENERATOR	: 13
ROTOR OF GENERATOR	: 11.37
GEN. WITH BRUSHLESS EXCITER	: 31
GEN. BEARINGS	: 2x0.45
BASE FRAME	: 3.5
BRUSHLESS EXCITER	: 1.03

*MARKED DIMENSIONS ARE INDIACTED ONLY.ACTUAL DIMENSIONS ARE AS PER TERMINAL BOX DRAWING.

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ITEM NO.	DESCRIPTION	DRAWING NO.	VAR NO.	RAW MATERIAL SIZE OR CASTING DRG. NO. OR FORGING DRG. NO.	MATERIAL CODE / MATERIAL SPECIN.	NET WT. / QUANTITY	GROSS WT

THE FOLLOWING CONDITIONS APPLY EXCEPT OTHERWISE STATED.

1. REF. TO IY0230261 FOR UNSPECIFIED TOLERANCES.
2. CHAMFER 4/CO. SHARP EDGES 1.2 TO 1.0 AT 45°
3. INTERNAL R/CO. CORNER RADII 1 TO 0.7
4. THE SURFACE ROUGHNESS WHERE-EVER NOT SHOWN SHALL BE TAKEN FROM THE SURFACE ROUGHNESS SHOWN OUT SIDE THE BACK SLASH OMBI OR THE TOP MOST RIGHT CORNER OF THE DRG.

REV.	DATE	ALTERED CHD./APPD.
02	11.1.07	TERMINALS LOCATION CHANGED TERMINALS DETAIL CHANGE
01	1.11.06	FOUNDATION BOLTS HOLES POSTION CHANGED.

TYPE OF PRODUCT: TAII 920-14P-15

NAME OF CUSTOMER/PROJECT: 12.075 MW, NUMALIGARH REFINERIES LTD.

BHARAT HEAVY ELECTRICALS LIMITED, HYDERABAD

	NAME	SIGN.	DATE	NO.OF VAR.
DRN.	A. TITUS		20.09.06	
CHD.	A. TITUS		20.09.06	NA
APPD.	U. SRIDHAR		20.09.06	

DEPT.	SCALE	WEIGHT (KG)	REF. TO DOC. No.	ITEM NO.	NO.OF ITEMS
EME	N.T.S	NA	06200121	NA	NA

CODE 425

TITLE: LAYOUT PLAN

CARD CODE: NA

DRAWING NO. 1-139-12-31307 REV. 02

SHEET NO. 01 NO OF SHEETS 01

COMPUTER FILE NAME: 1ELT118A

SIGN. AND DATE | REF. DRG. NO. | INVENTORY NO