

- TECHNICAL DATA:

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| 1. TYPE . . . . .  | B-CATG-50-2P-261                        |
| 2. RATING. . . . .   | 66.0MW @ 0.8 P.F.                       |
| 3. VOLTAGE. . . . .  | 11 K.V.                                 |
| 4. CURRENT. . . . .  | 4330 AMP.                               |
| 5. OPERATING SPEED. . . . .  | 3000 R.P.M.                             |
| 6. MASS MOMENT OF INERTIA<br>OF GEN. ROTOR( $GD^2/4$ ) } . . . . . | 1650 KG-M <sup>2</sup>                  |
| 7. CRITICAL SPEED OF<br>GEN. ROTOR } . . . . .                     | 1st : 1130 R.P.M.<br>2nd : 3480 R.P.M.  |
| 8. QTY. OF LUBE OIL/GEN.BRG  | 120 L.P.M. @ 0.8-1.2 Kg/cm <sup>2</sup> |
| 9. QTY. OF JACKING OIL/ GEN. BRG.                                  | 3 L.P.M. @ 70 Kg/cm <sup>2</sup>        |
| 10. QTY. OF COOLING AIR FOR GEN.                                   | 20 M <sup>3</sup> /SEC.                 |
| 11. DIRECTION OF ROTATION<br>(VEWING FROM TURBINE END)             | ANTI CLOCK-WISE                         |

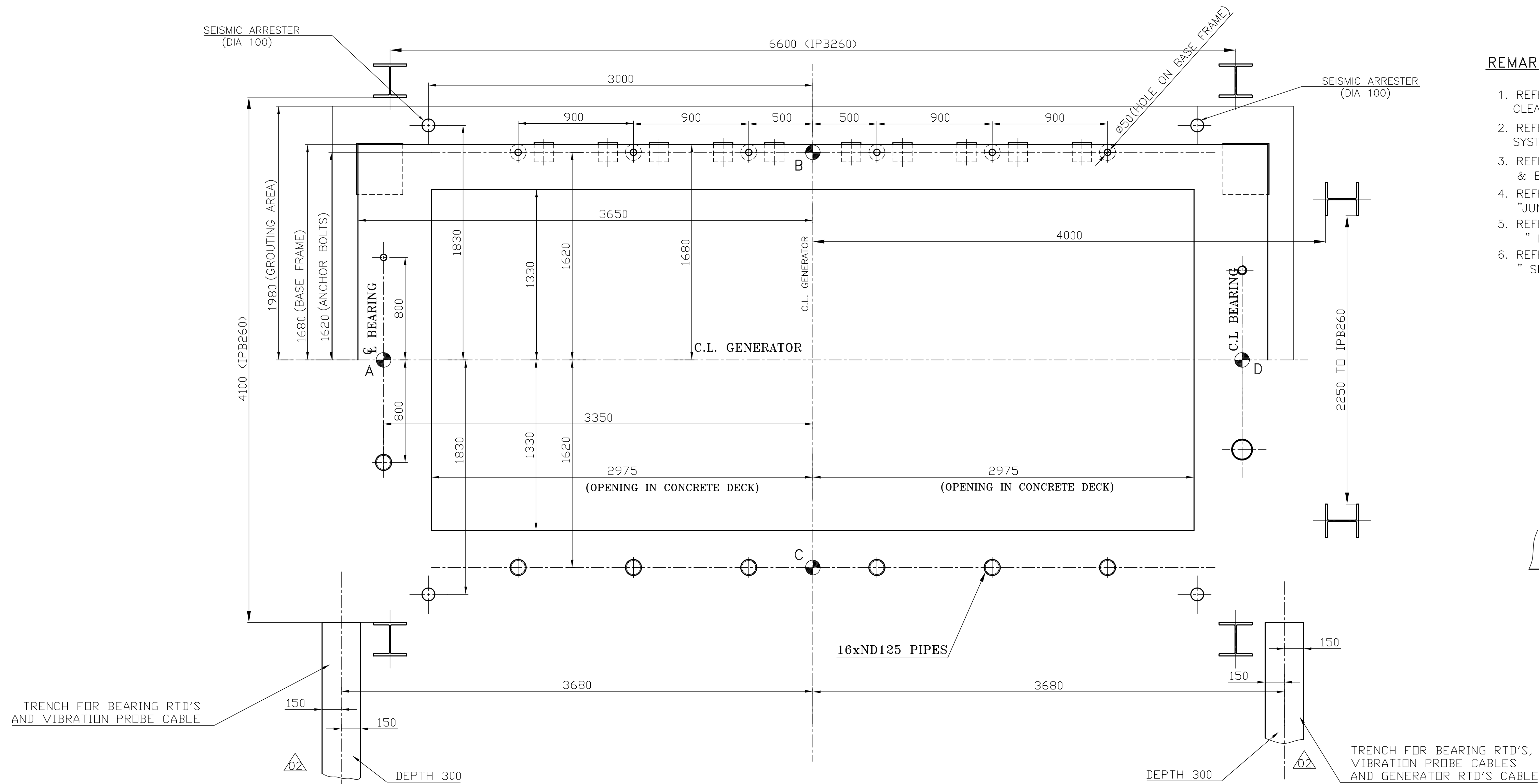
1. REFER DRG.NO.1-139-12-31419 FOR RADIAL AND AXIAL CLEARANCES BETWEEN STATOR AND ROTOR.
2. REFER DRG.NO. HY-DG-0-13991-86725 FOR AIR COOLING SYSTEM DETAILS.
3. REFER DRG.NO. HY-DG-0-13711-86722 FOR "FOUNDATION BOLTS & EMBEDDED PARTS"
4. REFER DRG.NO. HY-DG-1-13531-86728 FOR "JUNCTION BOX OF GEN CORE & WINDING RTD'S".
5. REFER DRG.NO. HY-DG-2-14511-98290 FOR " EARTH FAULT MONITORING SLIP RINGS".
6. REFER DRG.NO. HY-DG-1-13531-86768 FOR " SPACE HEATER ASSEMBLY".




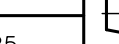
LOAD POINT	STATIC LOAD	ROTATING LOAD	LOAD DUE TO NORMAL TORQUE	LOAD DUE TO SC TORQUE	LOAD DUE TO UNBALANCE	FAILURE LOAD	SEISMIC LOAD	
							HORIZONTAL	VERTICAL
A	-3000	-8050	—	—	10120	20240	±1326	±884
B	-35000	—	±5200	±58605	—	—	±4200	±2800
C	-35000	—	±5200	±58605	—	—	±4200	±2800
D	-5000	-8050	—	—	10120	20240	±1566	±1044

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*** 360° LOAD APPLICATION
    UPWARD LOAD... POSITIVE SIGN
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### PARAMETERS FOR CALCULATING SEISMIC LOADS

- 1) SEISMIC ZONE - III
- 2) RESPONSE REDUCTION FACTOR - 3
- 3) IMPORTANCE FACTOR - 1.75
- 4) SPECTRAL ACCELERATION COEFFICIENT - 2.5



TYPE OF PRODUCT / NAME OF CUSTOMER		1 X 60 MW STG SET DCM SHRIRAM LIMITED			
UNIT		SHIRAM ALKALI AND CHEMICALS BHARUCH, GUJARAT			
		NAME		SIGN.	DATE
		P. DANI MDU			22.06.15
		P. NIGU MDU			22.06.15
		K. K. PANDE			22.06.15
DEPT. ENGE.		SCALE	WEIGHT (KG)	ITEM NO. & QUANTITY	
CODE 425		N.T.S.	NA	ITEM NO. & QUANTITY	
TITLE		NA		NA	NA
LAYOUT OF GENERATOR		DRAWING NO.		HY-DG-0-13971-86721	04
		SHEET NO.		1	NO OF SHEETS