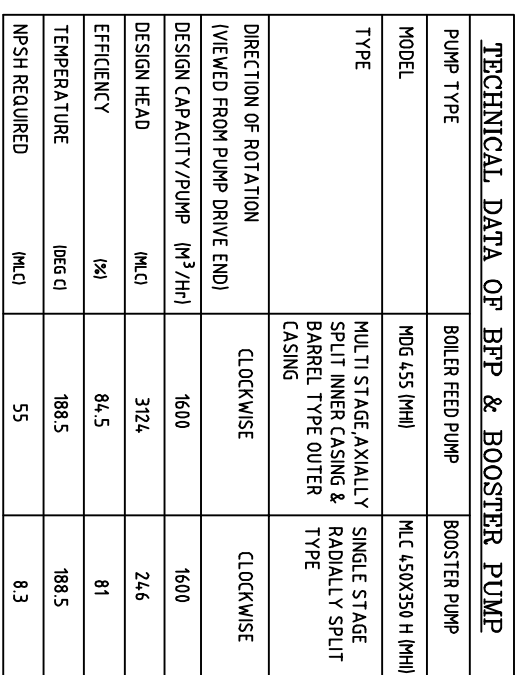
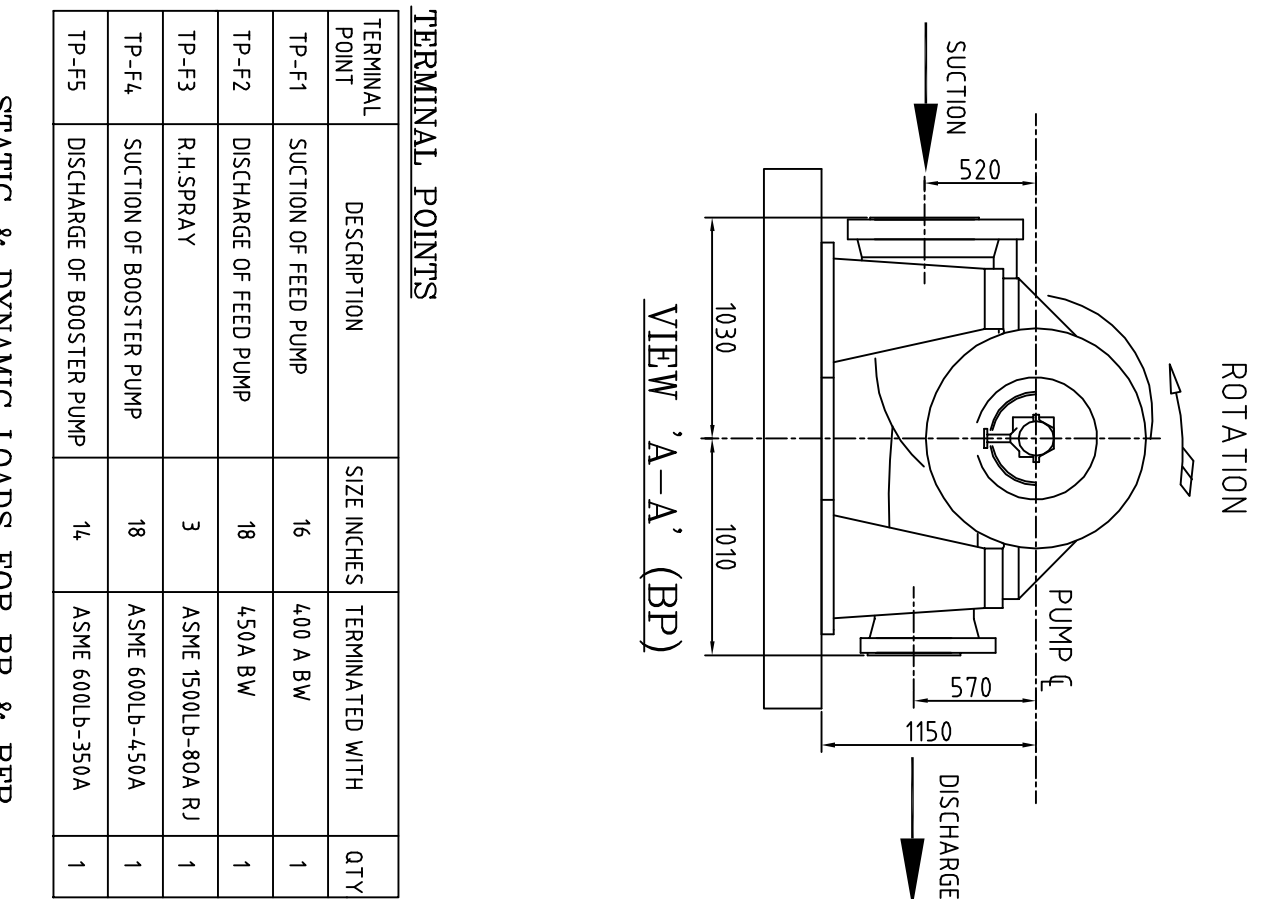
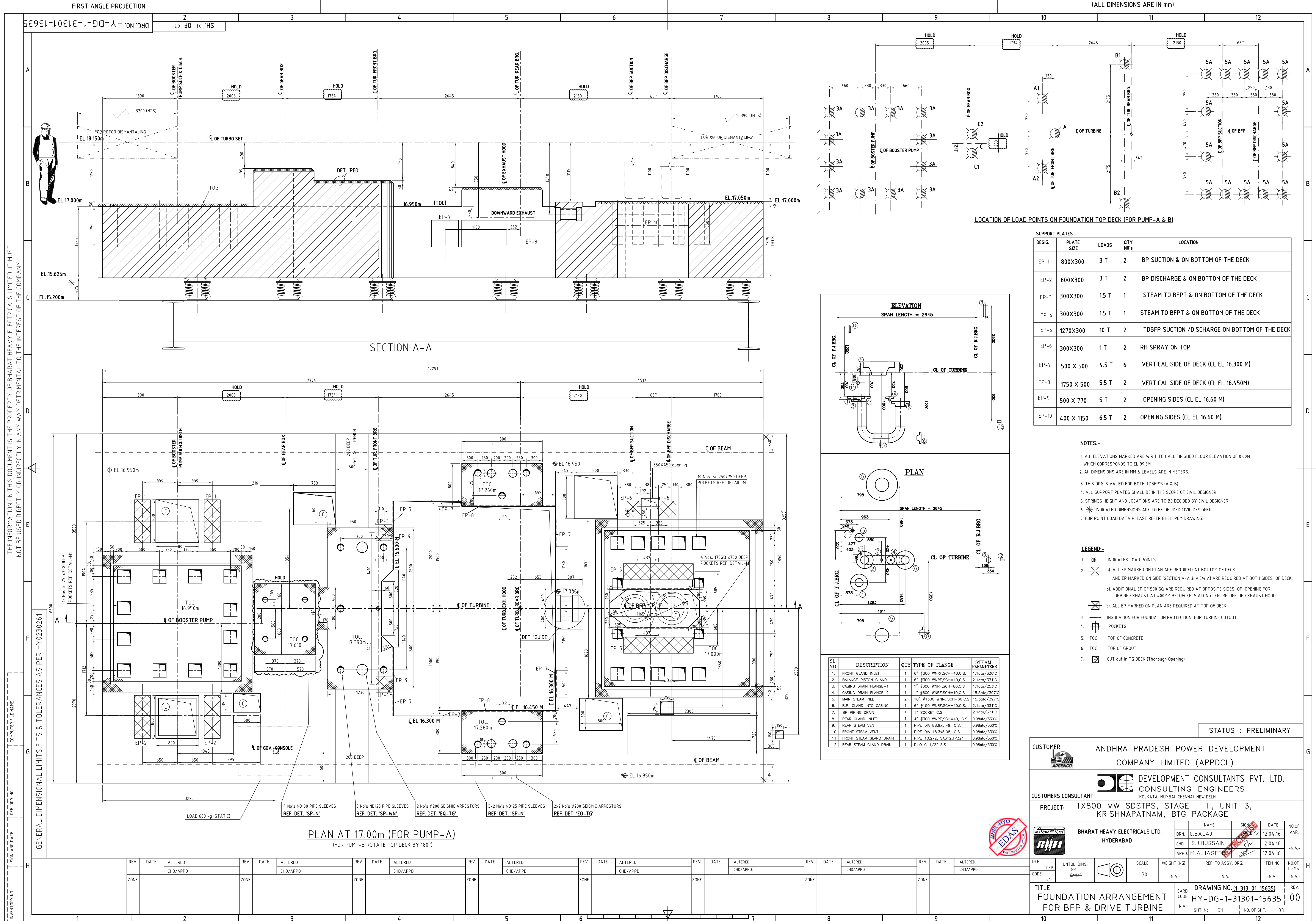


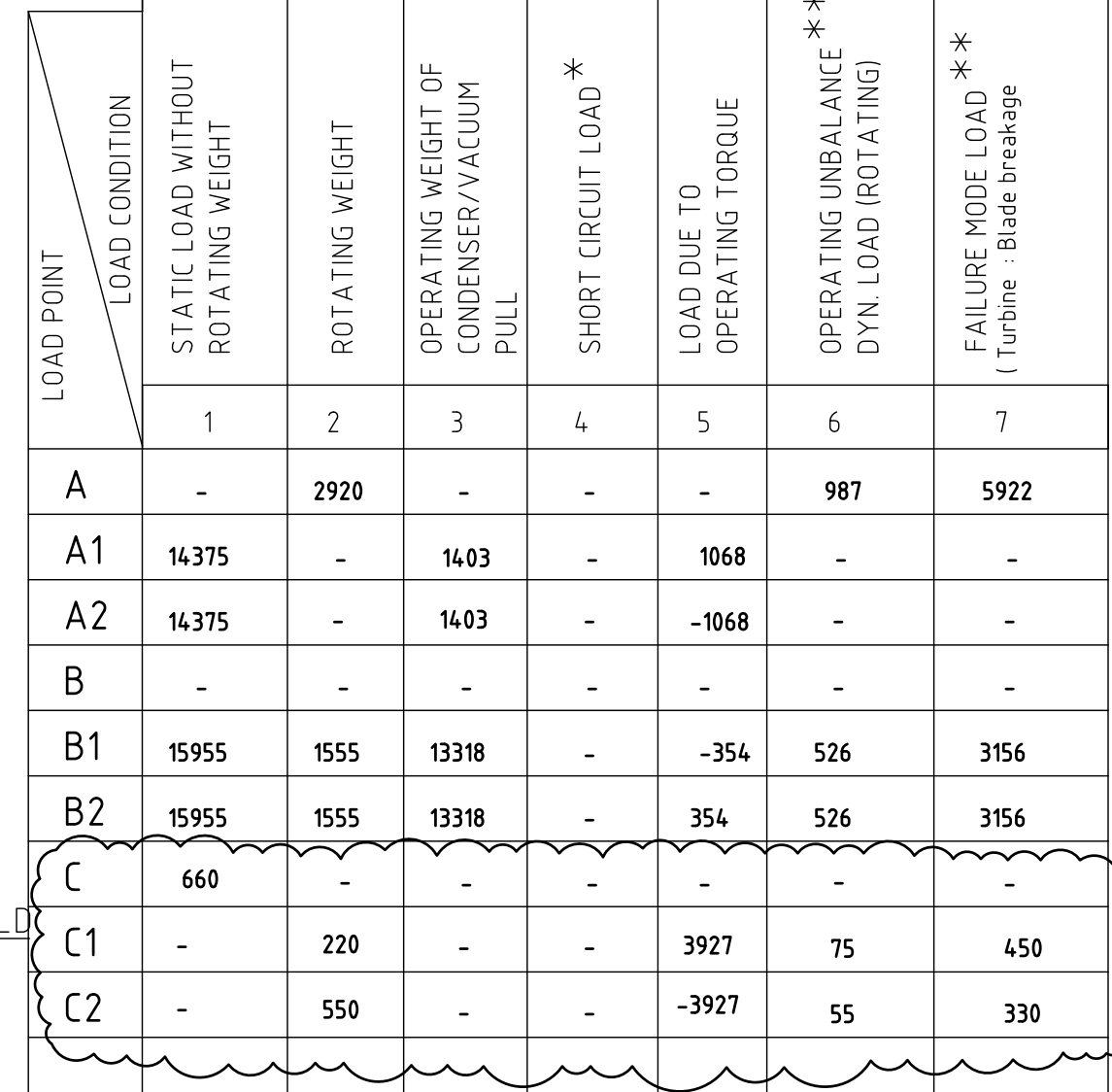
[illegible]

DRIVE TURBINE	65000	
8FP	25100	
BOOSTER PUMP	8500	

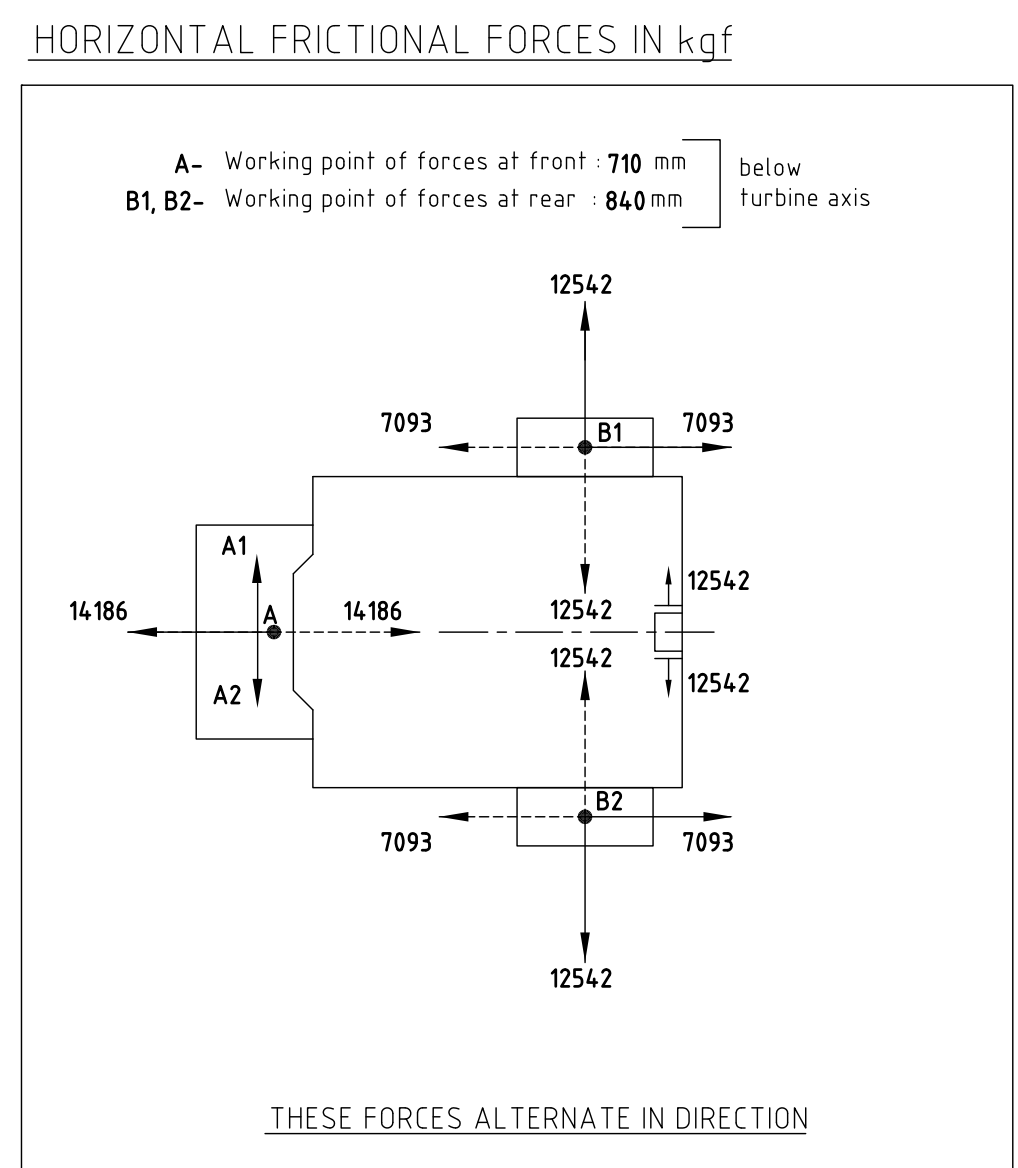
- [illegible]

[illegible]



FORCES ON FOUNDATION IN kN

NOTE :- The installation details shown here are only informative. For final installation, ref. the Assembly drawings furnished alongwith the respective equipment.



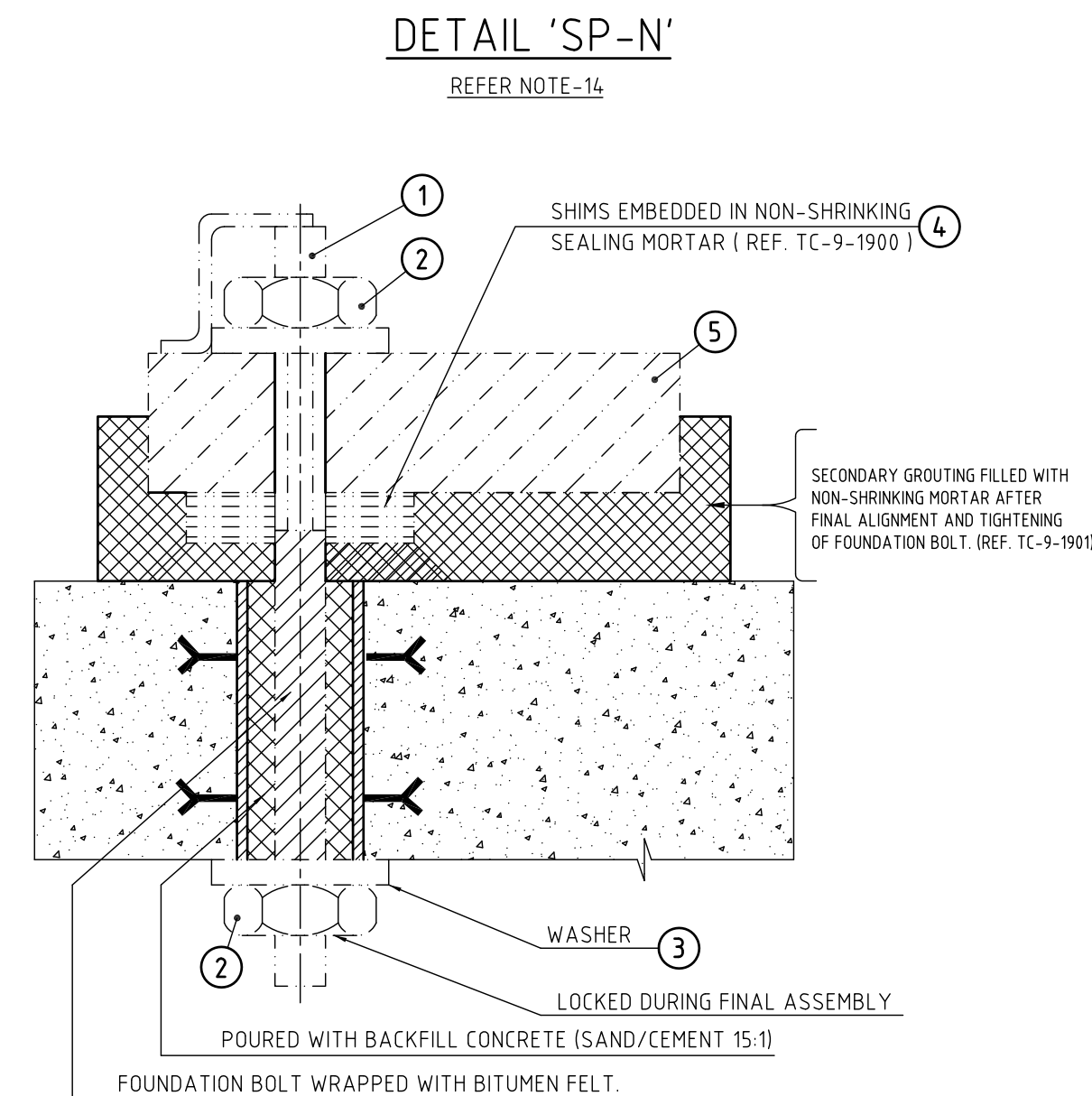
FOUNDATION LOADING DATA (LOAD POINT APPLICATION IS AT EACH POCKET)							
LOAD APPLICATION POINT	EQUIPMENT	WEIGHT		STATIC LOAD ON EACH POINT(kg's)	DYNAMIC LOAD ON EACH POINT(kg's)		
		DRY	WET	VERTICAL	VERTICAL	HORIZONTAL	AXIAL
5A	BOILER FEED PUMP (MDG 455)	25700	26000	1858	2047	2047	1365
3A	BOOSTER PUMP (MLC 450x350 H)	8500	9000	750	738	738	492

$$\left. \begin{array}{l} \text{BFP : 215 N-Sq.m} \\ \text{BP : 466 N-Sq.m} \end{array} \right] \text{GD}^2$$

NOTES :-

1. All dimensions are in mm and elevations are in metres.
2. This foundation drawing is only intended as basis for preparing the layout for foundation (by the BHEL). All civil structural dimensions are tentative and same shall be decided by the civil engineer concerned. The foundation design calculations shall consider all the static and dynamic loads acting simultaneously.
3. Suitable earth quake coefficient applicable for the project site should be adopted for seismic design of foundation as per IS 1893.
4. The foundation block should be designed so that natural frequencies of foundation are sufficiently away from the frequencies of machines. The design shall be as per DIN 4024 standard and IS 2974 part III.
5. Design of the foundation shall consider the allowable limits of vibration behaviour of machines (Group - I) as per VIB 2056
6. Bearing failure loads are less than failure load condition loads specified in col. 7 of the "Forces on Foundation" table.
7. Dynamic loads in axial direction are negligible.
8. Magnitude of unbalanced forces can be taken in vertical and horizontal directions as equal.
9. Max. live load on top of the deck is : 2000 kg/sqm
11. Foundation block must not be joined to any other structure to avoid vibration transmission.
12. Portions shown thus  in top deck are filled with secondary grouting. The concrete surface in these areas is to be ensured free from dust, grease and oil. Any wooden plugs present in these areas are to be removed. The packing plates below the machine sole plates shall be embedded into a 20 mm thick layer of special grout (local to plates) and to be levelled horizontally later, total secondary grouting may be completed.
13. For grouting instructions refer TC-9-1901 (5 sheets). And for grouting cement specification refer TC-9-1900
14. All embedded plates, angles, sleeves, pipes, ducts and any other structural are not part of Turbine scope of supply unless otherwise specified.

CUSTOMER:	 ANDHRA PRADESH POWER DEVELOPMENT COMPANY LIMITED (APPDCL)	
CUSTOMERS CONSULTANT:	 DEVELOPMENT CONSULTANTS PVT. LTD. CONSULTING ENGINEERS KOLKATA, MUMBAI, CHENNAI, NEW DELHI	
PROJECT:	1X800 MW SDSTPS, STAGE – II, UNIT–3, KRISHNAPATNAM, BTG PACKAGE	



POS (1) TO (5) IN B.H.F.I. SCOPE OF SUPPLY

DEPT	UNTOI DIMS	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF
TCPP	GR				48	ITEM
CODE	415	N.T.S	-N.A.-	-N.A.-	-N.A.-	-N.A.-
TITLE			CARD CODE	DRAWING NO. (1-313-01-15635)		REVISION
FOUNDATION ARRANGEMENT			N.A.	HY-DG-1-31301-15635		0
FOR BFP & DRIVE TURBINE				SHT. No 03 NO. OF SHT. 03		