
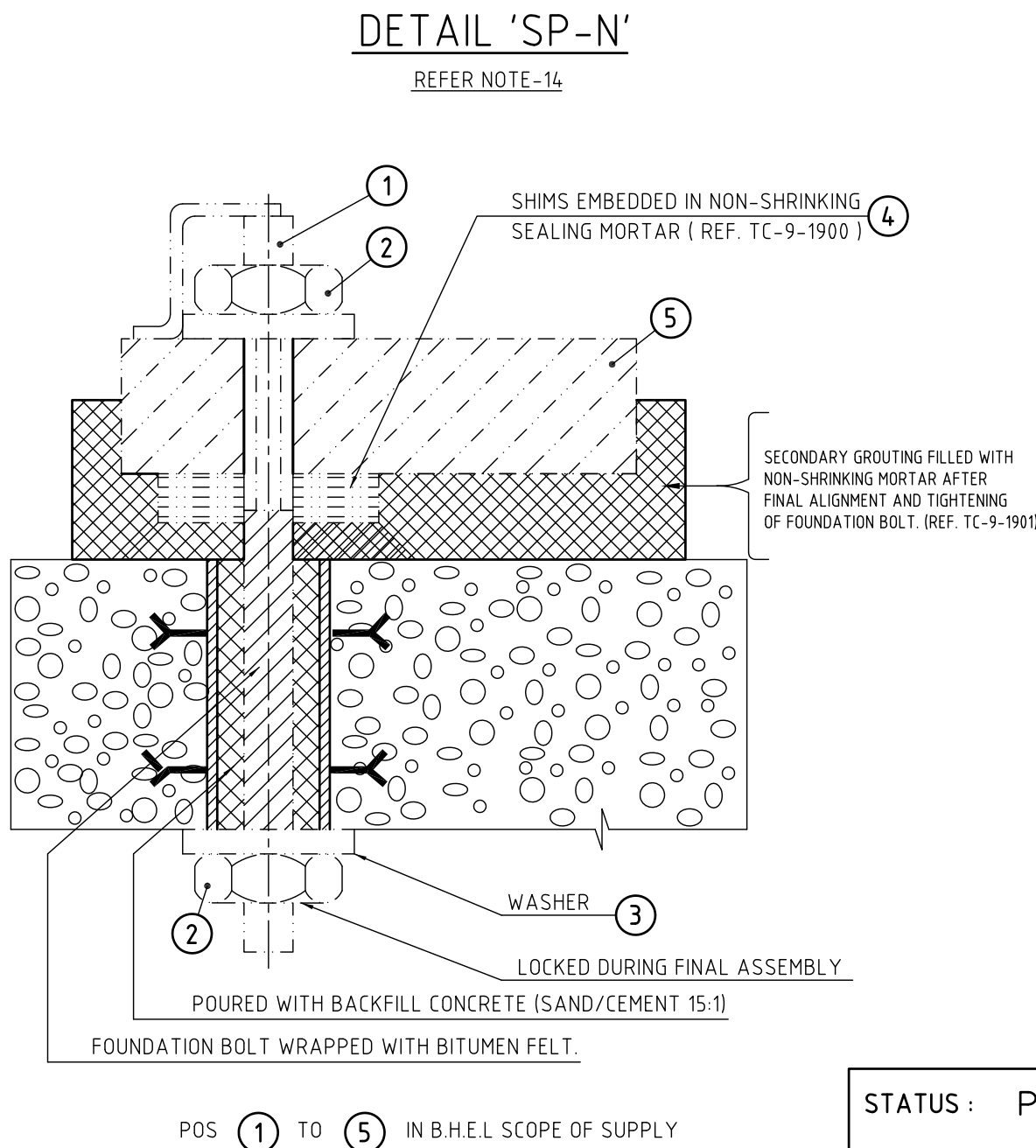


1. All dimensions are in mm and elevations are in metres.
2. This foundation drawing is only intended as basis for preparing the layout for foundation (by the BHEL). All civil structural dimensions are tentative and same shall be decided by the civil engineer concerned. The foundation design calculations 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 - T) as per VDI 2056.
6. Bearing failure loads are less than failure load condition loads specified in col. 7 of the "Forces on Foundation" table.
8. Dynamic loads in axial direction are negligible.
9. Magnitude of unbalanced forces can be taken in vertical and horizontal directions as equal.
10. Max live load on top of the deck is : 2000 kg/sq.m
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 this area 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 (col to plates) and are to be levelled horizontally, later, total secondary grouting may be completed.
13. For grouting instructions ref. TC-9-1901 (5 sheets). And for grouting cement specification ref. TC-9-1900
14. All embedded parts, angles, sleeves, pipes, ducts and any other structural are not part of Turbine scope of supply unless otherwise specified.













STATUS: PRELIMINARY


PROJECT: 2X660MW, ENNORE SEZ STPP AT ASH DYKE OF NCTPS
BFP DRIVE TURBINE(4 Nos.)

 CUSTOMER: TAMIL NADU GENERATION AND DISTRIBUTION CORPORATION LIMITED (TANGEDCO)



CONSULTANT: DESEIN PRIVATE LIMITED, NEW DELH

	BHARAT HEAVY ELECTRICALS LTD. HYDERABAD	<table> <tr> <th></th><th>NAME</th><th>SIGN</th><th>DATE</th></tr> <tr> <td>DRN</td><td>C.BALAJI</td><td></td><td>10.02.2015</td></tr> <tr> <td>CHD.</td><td>S.J.HUSSAIN</td><td></td><td>10.02.2015</td></tr> <tr> <td>APPD.</td><td>M.A.HASEEB</td><td></td><td>10.02.2015</td></tr> </table>		NAME	SIGN	DATE	DRN	C.BALAJI		10.02.2015	CHD.	S.J.HUSSAIN		10.02.2015	APPD.	M.A.HASEEB		10.02.2015	<table> <tr> <th>NO.</th><th>VAL</th><th>-N.A</th></tr> <tr> <td></td><td></td><td></td></tr> </table>	NO.	VAL	-N.A			
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DEPT.	UNTOL. DIMS.		SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEM
TCEP	GR.						
ODE.	CPM/F		1:30	-N.A.-	-N.A.-	-N.A.-	-N.A.-
415							

TITLE	FOUNDATION ARRANGEMENT FOR BFP & DRIVE TURBINE	CARD	DRAWING NO.(1-313-01-12735)		REV
		CODE	HY-DG-1-31301-12735		00
		N.A.	SHT. No	03	NO. OF SHT.
					03