



**BHARAT HEAVY ELECTRICALS LIMITED**  
**PROJECT ENGINEERING MANAGEMENT**

PROJECT : 2X660 MW ENNORE SEZ STPP  
PACKAGE : MISC. TANKS (SITE FABRICATED)

DATE: - 03.01.2017

**Corrigenda/Addenda-1**

Reference: i) Enquiry No. E-5404/2016 Dtd. 14.12.2016

**Due Date : 05/01/2017 (02:00 PM)**

**Subject: Pre Bid Clarification**

Pre Bid clarifications issued against Pre Bid queries are attached herewith. All bidders are advised to take cognizance of same & submit their bid/revised bid (as applicable) accordingly before due date & time.

All other terms and conditions shall remain unchanged.

Regards

Anil Kumar Pandey

Dy. Manager

PG-II-2

**PRE-BID CLARIFICATION SCHEDULE**

S.No.	Section/Clause/ Page No.	Statement of the referred clause	Clarification required	BHEL Reply
1	Section-II c1.3.3/pg. No 10 of 105	Bottom plate shell be 8.0 mm thick (minimum) minimum 6mm thick (excluding tolerance on plate as per relevant IS) thick plates including corrosion allowance shall be provided for shell plates and minimum 6 mm for roof plates for all tanks. Calculation for the plate thickness shall be got approved from BHEL /Customer during detailed engineering stage. However, if the addition / summation of calculated value of plate thickness (excluding tolerance on plate as per relevant IS) / nominal minimum thickness specified in the relevant design code / standard and corrosion allowance of 3 mm comes out more than 8 mm then the nearest available (higher side) plate thickness in the market shall be provided for bottom, shell and roof plates without any commercial implication. For calculating shell plate thickness. IS 803 to be used.	Referred clauses are contradicting each other on the corrosion allowance. However we are considering as per Data sheet-A. Please confirm.	Corrosion allowance to be considered as per datasheet – A.
2	Section-I, Sub-Section IB/	DATA SHEET-A For Condensate		



	Cl.9/ pg.No 22 of 105	storage tank DOC NO: PE-DS-412-167-A001: Corrosion allowance -2 mm DATA SHEET-A For DM Water Storage Tank DOC NO: PE -DS-412-167 A001: Corrosion allowance 2mm		
3	Section-I, Sub- Section IB/ C1.9/pg.No 24 of 105			
4	Section-I, Sub-Section IAI Cl.30.3/ pg No. 16 of 105	customer Specification for Misc. Tanks-Site Fabricated: DM Water Storage Tanks: Material of Construction -M.S. with solvent free epoxy coated DFT 500 microns (inside) and chlorinated rubber painting DFT 500 microns (outside)	Referred clauses are contradictory regarding painting specification .However we are considering DM water and condensate storage tanks. Please confirm.	Customer specification shall prevail i.e "Material of Construction - M.S. with solvent free epoxy coated DFT 500 microns (inside) and chlorinated rubber painting DFT 500 microns (outside)".
5	Section-I, Sub-Section IAI Cl.31.3/ pg No. 16 of 105	Customer Specification for Misc. Tanks-Site Fabricated: Condensate Storage Tanks : Material of Construction -M.S. with solvent free epoxy coated DFT 500 microns (inside) and chlorinated rubber painting DFT 500 microns (outside)		
6	Section-I/ Cl. 6/ pg.No 12 of 105	Painting: Annexure-III to be referred for painting.		
7	Section-I, Sub-Section IB/ Cl.23/ PG.No 22 of 105	DATA SHEET-A FOR CONDENSATE STORAGE TANK DOC NO: PE-DS-412-167-A001: Inside protection & External painting Refer Annexure-I		

8	Section-I, Sub-Section IB/ Cl.23/ PG.No 24 of 105	<p>DATA SHEET-A FOR DM WATER STORAGE TANK DOC NO: PE-DS-412-167-A001 Inside protection &amp; External painting -Refer Annexure-I regarding painting</p>	regarding painting		
9	Customer specification for tanks, in pg no 16 of 105, s.no 30.4 and 31.4 calls for 3 layers of floating PP balls in tanks.	<p>3 Layers of floating PP balls to be provided in DM Tank to prevent contact with atmospheric air. This shall be in addition to Co2 breather</p>	Kindly provide shape and size of a PP ball.		Solid PP balls of spherical shape with size of 38 mm to be considered.