

Queries Responses to Tender Document for 2 x 660 MW ENNORE SEZ SUPERCRITICAL THERMAL POWER PROJECT EFFLUENT TREATMENT PLANT

Page No.	Section (Name & No.)	Sub-Section	Statement as per tender document	Query by bidder	BHEL Response
119 of 405	NIT 2	ANNEXURE VIII	SEA WATER ANALYSIS	Please furnish oily waste and Pre settling pit analysis with free and emulsified oil break up and TSS	Required details have already been indicated in the technical specification. Bidder to follow the same.
144 of 405	NIT 2		Tube settler - 125 m3/hr	We propose DAF system instead of tube settler	Bidder to comply technical specification requirement.
51 of 405	NIT 2	ANNEXURE II	SUB VENDOR LIST	Please mention approved vendor for TPI	The sub-vendors list shall be finalized during detailed engineering in line with the Technical specification requirements.
-	NIT 2	PE-V6-411-164A-A002	Layout	please provide auto cad layout indicating different area for waste collection points to power house oily sump, guard pond / CMB basin area	The plot plan indicating location of various sumps & ETP area has already been enclosed with the technical specification. Bidder to refer the same.

209 of 405	NIT 2	13.19.1	The valves shall be suitable for installation in any position (horizontal/vertical etc.) and shall be generally of double-flanged construction. However for sizes 600 NB and below the valves of Wafer construction are also acceptable.	below 600 NB butterfly manual valves shall be wafer type, Not double flanged. Below 40 NB valves shall be ball type.	Bidder to comply technical specification requirement.
20 of 405	NIT 2	11.2	TSS AT LAMELLA CLARIFIER / TUBE SETTLER OUTLET: 10 ppm MAX.	Without filtration system TSS and Oil cannot be achieved < 10 ppm. We propose including Filtration system else TSS outlet of clarifier shall be < 35 ppm	Bidder to comply technical specification requirement.
30 & 237 of 405	NIT 2		Vertical type pumps with 1500rpm.	As capacity of pumps are less, shall be with 2900 RPM not with 1500 RPM, also For dosing pumps and agitator IE 1 motor shall be used.	Bidder to comply technical specification requirement.
237 of 405	NIT 2		The pumps shall be of stiff shaft design. The minimum internal clearances should be sufficiently more than the max. Static deflection of the shaft. Shaft size selected must take into consideration the critical speed as specified in API-610.	API 610 Pumps are required for refinery services, here Non API 610 pumps shall be considered	Bidder to comply technical specification requirement

Sub: Queries for Effluent Treatment Plant Package for 2 x 660 MW Ennore STPP – Reg.

Reference:

- 1) Effluent Treatment Plant Tender - **PE/PG/EN1/E-5594/2017 dated 21.04.2017**
- 2) Our earlier mail regarding **to arrange site visit** dated 05.05.2017

Dear Sir,

Please clarify following points,

1. Kindly confirm us the head requirement of all the pumps.

BHEL Reply: Technical specification requirement is clear. Bidder to select the head of all the pumps meeting system & technical specification requirements.

2. We took the A0 print out of Plot plan, but the location of E1 to E10 items is not visible.

BHEL Reply: All sumps are visible. Bidder may please refer soft copy of plot plan enclosed with Technical specification. Further, Bidder to note that pipe distances from E1-E10 sumps have already been indicated in the technical specification.

3. All Pipe sizes in P&IDs.

BHEL Reply: Pipe sizes are to be selected by the bidder meeting system & technical specification requirements.