

Vendor Name
 Client : M/s BHEL Hyderabad
 Project : 2x250MW TPS at Barauni
 Package : Fire Water Tanks
 Enquiry No. & Date : T7B1M76111 DATED 18 Dec 2013
 Due date

PRE-BID CLARIFICATION SCHEDULE				
S.No.	Section/ Clause/ Page No.	Statement of the referred clause	Clarification sought by bidder	BHEL clarification dt. 20-07-13
1	Clause: 15.0 of Annexure-I, Datasheet for Fire Water storage tanks[Page No: 26 of 39 of Technical Specification for 2 Nos. of 2000 m3 fire water storage tank]	Pipe/Nozzle Material: Pipes shall be as per IS 1239 Part I upto 150 dia & IS 3589 for 200 dia & above with 6.35 mm thick. Fittings shall be as per IS 1239 Part II for upto 150 & fabricated from parent pipes for 200 & above.	For drain pipes, we are following, in the absence of standards, pipes & fitting, as per IS 1239 Part I upto 150 dia & IS 3589 for 200 dia & above with 6 mm thick. For fittings IS 1239 Part II for upto 150 & fabricated from parent pipes for 200 & above. Please confirm your acceptance.	Clause: 15.0 of Annexure-I, Datasheet for Fire Water storage tanks[Page No: 26 of 39 of Technical Specification for 2 Nos. of 2000 m3 fire water storage tank] is applicable for all piping including drain piping. Bidder to follow the same with respect to pipe material.
2	Clause: 3.1, Scope of supply [Page No: 7 of 39 of Technical Specification for 2 Nos. of 2000 m3 fire water storage tank]	h) The following instrumentation along with their fittings, accessories, mountings etc.(As per the enclosed Data Sheets provided else where in this specification) 1) 3 nos of Level Switches(Level High, level Low, Level Low Low) for each tank.	Both referred clauses contradicting about the requirement of Level switches. If required please give the specification for the level switch.	3 nos of Level Switches and 1 no of Level Gauge to be provided for each tank. The details of Level Switch will be reviewed during detailed engg. Stage.
	Clause: 13.0, Annexure-I, Datasheet of tanks [Page No: 27 of 39 of Technical Specification for 2 Nos. of 2000 m3 fire water storage tank]	Instruments/Accessories Required: a) Tank Overflow and drain piping of 300NB with drain valve. b) Level Gauge (along with fittings) of Mechanical Float & Board Type to cover Entire Range c) Steel stairs and platforms for external approach. d) Two spare connection of 100NB (NB) and 100NB (N14) with blind flanges.		
3	Clause: 13.0, Annexure-I, Datasheet of tanks [Page No: 26 of 39 of Technical Specification for 2 Nos. of 2000 m3 fire water storage tank]	4. Capacity (Effective) 2000 m3 8. Tentative Size 16.5m (dia) x 10.825m (height) (min)	As per the nozzle schedule given in data sheet, we have considered over flow and pump suction sizes as 300NB & 600NB respectively, then the effective capacity is 1958 m ³ . Here we have considered the effective capacity as bottom of the over flow nozzle to the top of the outlet nozzle. To get the required capacity (2000 m ³), tank sizes needs to be increased. Please confirm.	Considering that the tank outlet nozzle(600 NB) is located at a height of 600 mm from bottom plate and overflow nozzle(300 NB) located at 200 mm from curb anlje, the available height for liquid storage is =10.825-(0.2+0.3+0.3+0.6) = 9.425 m which corresponds to volume of 2001 m3 capacity. Hence dimension indicated in tender specification are in order and to be followed accordingly by bidders.
4	Clause: 16.0, Annexure-I, Datasheet for Fire Water storage tanks [Page No: 26 of 39 of Technical Specification for 2 Nos. of 2000 m3 fire water storage tank]	Cast Iron as per IS210 FG260 Body with 13% Cr SS stem(rising) and Seating surfaces of gate valve as per guidelines or requirements specified in TAC	Kindly clarify the type of Valve, i.e..Rising or Non rising .	Valves shall be of rising stem type only as per clause 16 of of Annexure-I, Datasheet for Fire Water storage tanks[Page No: 26 of 39 of Technical Specification for 2 Nos. of 2000 m3 fire water storage tank]