

Sr.No	Volume	Section	Pg. No.	Pdf pg no.	Clause	TECHNICAL SPECIFICATION/ TENDER DOCUMENT	Clarification	Reasons For Clarification	BHEL's Clarification
1	Volume II B - Raw Water Analysis	Annexure III	Page 211 of 468	214	RAW WATER ANALYSIS AND CLARIFIED WATER ANALYSIS	Total Hardness Values of as CaCO3 doesn't match the value of individual as such values of Ca & Mg ions present in the water . As converting the ca & Mg ions into as CaCO3, arrived Total hardness is 290 ppm as CaCO3	Kindly confirm the values of Ca & Mg	As we believe that individual values of Ca & Mg should be in as CaCO3 as then only the given total hardness values match. For Design purpose, if we design the system on individual as such values of Ca & Mg then the ionic load of the DM also changes.	Bidder to note that raw water analysis of tender specification individual ion's concentration of Ca & Mg 60 ppm & 34 ppm as ion shall be considered for the design of DM plant. Total hardness shall be considered accordingly.
2	Volume II B - Raw Water Analysis	Annexure III	Page 211 of 468	214	RAW WATER ANALYSIS AND CLARIFIED WATER ANALYSIS	We presume that the silica present in water is reactive type only and non reactive type silica to be nil.	Type of Silica	Any change in the type of silica may change the scope of supply.	Bidder to follow the tender specification requirement.
3	Volume II B - Section C1-F Data Sheet A	Section C1-F	Page 153 of 468	156	DATASHEET A FOR DM PLANT	We presume the Supporting media height for Pressure Sand Filter & Activated Carbon Filter to be approx 300 mm.	Supporting Media Height	Sizing Purpose	Bidder understanding is correct regarding the Supporting media height of Pressure Sand Filter & Activated Carbon Filter. However bidder to note that minimum bed depth for Activated Carbon Filter will be 1200 mm.
4	Volume II B - Section C1-F Data Sheet A	Section C1-F	Page 160 of 468	163	DATASHEET A FOR DM PLANT	30% Deration factor to be considered on MB Exchange Capacity	De-ration factor	Sizing Purpose	Bidder to note that deartion factor for MB cation resin shall be 30% and for rest of the resins deration factor (10%) shall be considered as per tender specification requirement.
5	Volume II B - Section C1-F Data Sheet A	Section C1-F	Page 158 of 468	161	DATASHEET A FOR DM PLANT	3 Nos. of Degasser tower mention.	Can we go for 2 nos.(1w+1s) of Degasser Tower common for all 3 Stream ?	As there is no rotating part, Instrument & Electrical required.	Bidder to follow the tender specification requirement.
6	Volume II B - Section C1-F Data Sheet A	Section C1-F	Page 158 of 468	161	DATASHEET A FOR DM PLANT	6 Nos. of Degassed Blower mention	As we are suggesting of having 2 nos. of Degasser Tower common for all 3 Stream. Hence Blower can be 4 nos. (2w+2s) common for all 3 Stream	Scope Confirmation	Bidder to follow the tender specification requirement.
7	Volume II B - Section C1-F Data Sheet A	Section C1-F	Page 158 of 468	161	DATASHEET A FOR DM PLANT	6 Nos. of Degassed Blower mention	As we are suggesting of having 2 nos. of Degasser Tower common for all 3 Stream. Hence Blower can be 4 nos. (2w+2s) common for all 3 Stream	Scope Confirmation	Bidder to follow the tender specification requirement.
8	Volume II B - Section C1-F Data Sheet A	Section C1-F	Page 154 of 469 & Page 253 of 468	157 & 256	DATASHEET A FOR DM PLANT	Iodine Value of ACF. At page 514 of 468 it is mentioned to be min 1000 mg/gm, and on page 253 of 468 it is mentioned to be 900 mg/gm	Iodine Value		Bidder to note that , Iodine number of Activated carbon used in Activated Carbon Filter shall be minimum 1000mg/gm.
9	Volume - IIB	SECTION C1 - A	Page 16 of 468	19	SCOPE OF SUPPLY & SERVICES, EXCLUSION AND TERMINAL POINTS ETC. Page 9 of 468	Mixed bed outline piping upto DM Water storage tanks inlet nozzles.	Termination Points	Kindly provide the Layout for DM Plant. To enable us to calculate/estimate distance between MB Outlet to inlet of DM Water Storage Tank	Bidder to refer Annexure -9,plot plan (page 246 of 468) attached with tender specification.
10						Location of DM regeneration pumps	Kindly clarify the Location of DM regeneration pumps or total meter of piping to be considered. Kindly provide the layout of the WTP	Kindly provide the Layout for DM Plant. To enable us to calculate/estimate distance between Regeneration pumps to MB vessels	Bidder to refer the tender specification in conjunction withAnnexure -9 of drawings,plot plan (page 246 of 468).
11						Location of DM Clarified Water Storage Tank	Kindly clarify the Location of DM Clarified Water Storage Tank or total meter of piping to be considered Clarified water inlet line to Pressure Sand filter from clarified water tank outlet line. Kindly provide the layout of the WTP	To enable us to calculate/estimate distance between CWST to PSF	Bidder to refer Annexure -9,plot plan (page 246 of 468) attached with tender specification.
12						Loctaion of N-Pit	Kindly clarify the Location of N-pit (Neutralized effluent transfer piping from DM plant N-pit to CMB of ETP.)otal meter of piping to be considered Clarified water inlet line to Pressure Sand filter from clarified water tank outlet line. Kindly provide the layout of the WTP	To enable us to calculate/estimate distance Neutralized effluent transfer piping from DM plant N-pit to CMB of ETP.	Bidder to refer the tender specification in conjunction with Annexure -9 of drawings,plot plan (page 246 of 468).
13	Volume - II					List & Quantity of Mandatory Spare	Mandatory spare whichever are applicable shall be provided	For Confirmation Only	Bidder to follow the tender specification requirement.
14	Technical QR					Technical QR	Please suggest if there is any format of Performance certificate or mail of client conforming operating parameters will be accepted by you.		Bidder to follow the tender specification requirement.