SCHEDULE OF PRE-BID CLARIFICATION

VOLUME	SECTION	CLAUSE NO.	PAGE NO.	SPECIFICATION REQUIREMENT	CLARIFICATION	REASONS FOR CLARIFICATION	BHEL REPLY
II B	C 1	14.00.00	85	Macro Porous cross linked polystyrene matrix with tertiary amine (minimum 90% as functional group (Gel type with particle size 0.3 mm to 1.2 mm).	We understand that resin with uniformity coefficient less than 1.7 is acceptable. Request you to Confirm.		Please follow technical specification.
II B	C 1	2.0	109	Valves & Gate	As mentioned in above clause, butterfly and diaphragm valve can be used in filters and DM plant, whereas in P & ID diaphragm valve is mentioned. Please clarify. As per our standard practice we are considering butterfly valve.		The type of valves shall be as shown in the P&ID.

PRE-BID CLARIFICATION

Sr.No	Volume	Section	Pg. No.	Clause	TECHNICAL SPECIFICATION/ TENDER DOCUMENT	Clarification	Reasons For Clarification	BHEL REPLY
1	VOLUME – II B	SECTION C1	Page 14 of 630	3.0 . PIPING	3)	Kindly clarify the 800 meter DM plant feed piping from Clarified water pump house where (DM Feed pumps are located) to DM plant is above or under ground	As on pg 18 of 633, it is mentioned that grouting for equipment, fixing and any concreting inside the vessels and lining shall be in bidder's scope.	Bidder to consider entire piping as underground piping.
2	VOLUME – II B	SECTION C1	Page 71 of 630	DATA SHEET-A FOR DM PLANT	DM Feed Pump	Vertical Centrifugal Non clog type	Is the pump is submerged type ? Since the sump of CWST is given and also the distance between CWST to DM plant is 800 m .	Please follow technical specification.
3	VOLUME – II B	SECTION C1	Page 75 of 630	DATA SHEET-A FOR DM PLANT	Backwash Waste Water Disposal Pumps	Vertical Centrifugal Non clog type	Is the pump is submerged type ? Also please provide the sump depth for the Filter Backwash Pump. We also presume the pumps to be near the sump, kindly confirm the same.	Please follow technical specification.
4	VOLUME – II B	SECTION C1	Page 76 of 630	DATA SHEET-A FOR DM PLANT	Activated Carbon Filter	Filtration Rate	Filtration rate of ACF is higher than DMF. ACF Filtration Rate given 15 m3/m2/h, whereas DMF filtration rate given is 10 m3/h/m2. Generally the DMF Filtration rate is higher than ACF rate.	Please follow technical specification.
5	VOLUME – II B	SECTION C1	Pg 19 of 630 & Pg 389	Volume X of Performance Guarantees	4.11	Ac & Ventilation Scope	On Pg 389 it is stated - The rating and performance figures of the AC & Ventilation system & equipment as indicated in the respective technical specification shall be guaranteed by the Bidder, howeevr the same is excluded form pg 19	Bidder to please follow Clause No. 9.0, 4), at page 16 of 630 in technical specifcation.
6	VOLUME – II B	SECTION C1	Pg 85 of 630	DATA SHEET-A FOR DM PLANT	Weak Base Anion Exchanger	Type of Resin	It is wriiten in Tender on Page 85 of 630 that type of resin is Macro-porous cross linked polystyerene matrix with tertiary amine as a function group (gel type with particle size 0.3 to 1.2 mm), we would like to clarify that gel based resin is not manufactured for weak base anion resins. Thus we will go for macroporous type only	The same shall be decided during detailed engineering stage.
7	VOLUME – II B	SECTION C1	Pg 85 & 143 of 630	DATA SHEET-A FOR DM PLANT & 5.00.00 SALIENT DESIGN FEATURES	Resin Type for SBA & WBA	Type of Resin	It is wriiten in Tender on Page 85 of 630 that type of resin is Macro-porous cross linked polystyerene matrix with tertiary amine as a function group (gel type with particle size 0.3 to 1.2 mm). However on Pg 143 is clrealy mentioned to consider macro-porous type resin. Kindly clarify as both statment is contradicting each other.	The same shall be decided during detailed engineering stage.
8	VOLUME – II B	SECTION C1	Pg 85 & 143 of 630	DATA SHEET-A FOR DM PLANT & 5.00.00 SALIENT DESIGN FEATURES	Resin Type for SBA & WBA	Type of Resin	It is wriiten in Tender on Page 85 of 630 that type of resin is Macro-porous cross linked polystyerene matrix with tertiary amine as a function group (gel type with particle size 0.3 to 1.2 mm). However on Pg 143 is clrealy mentioned to consider macro-porous type resin. Kindly clarify as both statment is contradicting each other.	The same shall be decided during detailed engineering stage.