



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-5-Oct-19

CORRIGENDUM- 06

PROJECT	:	1X660 MW BHUSAWAL TPS UNIT-6
PACKAGE	:	D.M. PLANT
ENQUIRY NO	:	E-6298/2019 Dated. 02.09.2019
SUBJECT	:	PRE- BID CLARIFICATION

Type of Corrigendum			
Technical Corrigendum -	☒	Commercial Corrigendum -	☐

Please note the following:

- 1. Pre-Bid Clarification (of 1 Page) attached with this corrigendum shall be treated as part of NIT.**

All the other terms and conditions of the tender enquiry shall remain unchanged. All the bidders are requested to quote accordingly.

Yours faithfully,

For and on behalf of BHEL

Sharad Chandra
Dy. Manager

1X660MW BHUSAWAL TPS - UNIT: 6 - MAHARASHTRA									
PRE BID CLARIFICATION SCHEDULE FOR DM PLANT (2X100 m3/hr)									
S.N	VOLUME	SECTION	CLAUSE No	PAGE No	SPECIFICAT ION	REQUIREMENT	CLARIFICATION REASONS FOR	CLARIFICATION	BHEL REPLY
1	VOLUME: : III B & IIII	TECHNIICAL SPECIIFIICATIONS FOR DM PLANT	2.0 SCOPE OF SUPPLY	11 of 485	PE--TS--415--163--A001	UF flow rate	The DM Plant with net capacity of 100 CuM/HR (each stream of UF outlet), as specified in Technical data sheets & technical specifications, and shall consist of at least the followings	We understand that the Net water production of production of each DM stream including UF system is 100 m3/hr. Please confirm.	Bidder understanding is correct.
	VOLUME: : III B & IIII	TECHNIICAL SPECIIFIICATIONS FOR DM PLANT	3 -Cation exchanger unit	150 of 485	PE--TS--415--163--A001	DM Unit flow rate	Design Rated Service Flow Rate Bidder to Indicate (Net) in m3/ hr : As required to meet 100 CuM/Hr net DM water from each stream.		
2	VOLUME: : III B & IIII	TECHNIICAL SPECIIFIICATIONS FOR DM PLANT	Annexure 1	Page 136 of 485	PE--TS--415--163--A001	CLARIFIED WATER ANALYSIS (DM PLANT FEED WATER) (TABLE-4)	The clarified water analysis shall be derived considering following dosing at PT plant: a) Alum Dosing @ 60 ppm. b) Lime Dosing @ 25 ppm. c) Poly Electrolyte Dosing @ 5 ppm. d) Ozone Dosing @ 2 ppm.	We understand that the mentioned clarified water quality is inclusive of all dosing (Alum, lime, Polymer and Ozone) and bidder does not required to add the ionic load contributed by the dosing for the design of the DM unit. Please confirm.	Please note that it very clearly spelt out in tender specification page number 136 of 485 that bidder to derive the water analysis based on the chemical dosage specified. Hence, bidder understanding is not in line with the tender specification. Please follow tender technical specification.
		Corrigendum_05_abc	S.No 11		Prebid reply	CLARIFIED WATER ANALYSIS (DM PLANT FEED WATER) (TABLE-4)	Bidder to follow Tender Technical Specification.		
3	VOLUME: : III B & IIII	TECHNIICAL SPECIIFIICATIONS FOR DM PLANT	2.3	Page 251 of 485	PE--TS--415--163--A001	2.0 SCOPE OF SUPPLY AND SERVICES	Two (2) Cation Exchanger layered bed weak/strong resin units with separation plates each complete with internals, integral pipe works, valves and all other accessories as required	We understand that Weak Acid Cation (WAC) exchanger unit and Weak Base Anion (WBA) is not mandatory. Please confirm.	Bidder to follow tender technical specification.
	VOLUME: : III B & IIII	TECHNIICAL SPECIIFIICATIONS FOR DM PLANT	2.8	Page 251 of 485	PE--TS--415--163--A001	2.0 SCOPE OF SUPPLY AND SERVICES	Two (2) Anion Exchanger layered bed weak/strong resin units with separation plates each complete with internals, integral pipe works, valves and all other accessories as required		
4	VOLUME: : III B & IIII	TECHNIICAL SPECIIFIICATIONS FOR DM PLANT	Annexure 1	Page 136 of 485	PE--TS--415--163--A001	CLARIFIED WATER ANALYSIS (DM PLANT FEED WATER) (TABLE-4)	Total dissolved Solids (TDS) level is 870 ppm	We would like to highlight that since the TDS is more than 800 ppm, we request the EMPLOYER to kindly allow the bidder to consider UF, Reverse Osmosis (RO) technology followed by MB to achieve the required water quality instead of conventional DM plant.Please confirm.	Bidder to follow tender technical specification.
5	VOLUME: : III B & IIII	TECHNIICAL SPECIIFIICATIONS FOR DM PLANT	Annexure 1	Page 136 of 485	PE--TS--415--163--A001	CLARIFIED WATER ANALYSIS (DM PLANT FEED WATER) (TABLE-4)	M-Alkalinity : 400 ppm as CaCO3	We would like to highlight that the mentioned M-Alkalinity value seems very much on higher side. So we request the EMPLOYER to kindly review and revise the same. Please confirm	Bidder to follow tender technical specification.