



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-24-Jun-19

CORRIGENDUM- 02

PROJECT	:	1 x 660 MW Panki STPP
PACKAGE	:	D.M. PLANT
ENQUIRY NO	:	PE/PG/PKI/E-6217/2019 Dt. 03.06.2019

Type of Corrigendum			
Technical Corrigendum -	☒	Commercial Corrigendum -	☒

In reference to the above mentioned tender enquiry please note the following.

1. Reply of Pre-bid queries (attached below).
2. Due Date has been extended from 24.06.2019 to 08.07.2018 till 02:00 PM. Bid Opening shall be done at 03:00 PM on the due date.

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

Yours faithfully,

For and on behalf of BHEL

Vinit Kumar Verma
Dy. Manager

Project: DM Plant For 1X660 MW UPRVUNL PANKI TPS EXT
Tender No.: PE/PG/PA1/E-6217/2019 dated JUNE 03, 2019
Doc. Title: **Additional Pre-Bid Queries (Technical)**

Sr. No.	Section	Clause No.	Page No.	Specification Requirement	Additional Clarification	Reason for Bidder's Clarification / Assumption	BHEL REPLY
Mechanical Clarification							
1.	I	8.0	20 of 612	Terminal Point: (iv) UF outlet piping upto DM Water storage tanks inlet nozzles.	Please confirm the elevation of inlet nozzle of DM water storage tank.	DM water storage tanks are in BHEL's scope.	Elevation of inlet nozzle in DM water storage tank is EL (+) 10.9 m from FGL.
2.	I	P&ID	286 of 612	P&ID shows DM water line coming from DM water storage tank to UF filtration backflush tank-1 & 2	Please clarify whether termination of DM water pipe from DM water storage tank is in Bidder's scope or BHEL scope.	Terminal point of DM water line for UF filtration backflush tank is not specified in Clause no. 8, Terminal Point, page 20 of 162.	Pipe length has already been indicated in terminal points. Bidder to consider the same.

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3.	Corrigendum-1	-	11 of 12	Sr. no.8 of Corrigendum-1: Specification requirement: d. ULTRA FILTRATION PLANT: a) Colloidal Silica as SiO₂ - less than 1 ppb. b) Total Silica as SiO₂- less than 10 ppb. Queries from Bidder: Guarantee from UF plant outlet shall be: a) Colloidal Silica as SiO₂ - <10 ppb b) Total Silica as SiO₂- <20 ppb i.e. 10 ppb of colloidal silica + 10 ppb of reactive silica	The accuracy of colloidal silica concentration below 10 ppb is not measurable. UF membrane manufacturer is not meeting the requirement of colloidal silica at UF outlet less than 1 ppb. Please advise.	BHEL response in Corrigendum-1: Tender specification requirement is clear, bidder to follow the same.	Tender specification requirement is clear, bidder to follow the same.
C&I Clarification							
4.	Ch-8	5.6 (ii)	388 of 612	Specification calls for Density Indicator (Hydro Meter type)	The specified clauses are contradictory about the requirement of Density indicator or Density Transmitter.	Specification is unclear.	Density Indicator Non - Nucleonic (Vibration) Type and Density transmitter Nucleonic (Vibration) Type, both are required.
	Part-B	2.16.07	543 of 612	Specification calls for Density Transmitter (Non - Nucleonic (Vibration))			

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	I	P&ID	286 of 612	P & ID indicates "DIT" in dilution acid and alkali line i.e Density Indicator transmitter.	Please clarify whether Density Indicator (Hydro Meter type) is required Or Density transmitter (Non – Nucleonic) type is required.		Density Indicator Non - Nucleonic (Vibration) Type and Density transmitter Nucleonic (Vibration) Type, both are required.
	I	Datasheet A	301 of 612	Specification calls for Density Indicator (Hydro meter type) instead of Density Indicator transmitter.	However, as per our past experience we have provided concentration analyser which meets all technical requirements.		