



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-23-Jul-20

CORRIGENDUM- 02

PROJECT	:	1X660 MW BHUSAWAL TPP UNIT-6
PACKAGE	:	EFFLUENT TREATMENT PLANT
ENQUIRY NO	:	E-6445/2020 Dated. 02.07.2020
SUBJECT	:	PRE- BID CLARIFICATION

Type of Corrigendum			
Technical Corrigendum -	☒	Commercial Corrigendum -	☒

In reference to the above mentioned tender enquiry for **EFFLUENT TREATMENT PLANT** package

Please note the following.

1. Pre bid clarification attached with this corrigendum shall be considered as part of NIT.
2. Due date has been extended from 23-July-20 to 06-Aug-20 till 11:00 AM. Bid opening shall be done at 02:00 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

R P Yadav
Dy. Manager

Pre Bid Clarification for Effluent Treatment Plant (ETP) for 1X660 MW BHUSAWAL TPS.

Sr. No.	Tender Document	Reference Clause & Clause No.	Clarification required	BHEL'S CLARIFICATION
1.	PART 01 TS SPEC ETP BHUSAWAL	DATASHEET 'A' (Page No. 109/126) Clause No. 1.03.01 Boiler Area Wash Water Transfer Pumps Capacity: 30 m³/hr. P&I Diagram (Page No. 104/126) Boiler Area Wash Water Transfer Pumps Capacity: 50 m³/hr.	The capacity provided for Boiler Area Wash Water Transfer Pumps in the Datasheet 'A' is 30 m ³ /hr. while that in P&ID is 50 m ³ /hr. Kindly clarify which capacity is to be considered.	Please Note that the capacity of Boiler Area Wash water transfer pumps shall be 50m ³ /hr. as indicated in P&ID.
2.	PART 01 TS SPEC ETP BHUSAWAL	Vertical Screw Pumps/ Vertical Centrifugal Pumps	Kindly provide the sump depth to be considered for all the sumps in which vertical screw/centrifugal pumps are to be installed. Also provide detailed technical specifications for vertical screw pumps and motors.	Sump depth may vary from 2.5 meter to 4.5 meter from FGL. Bidder to consider the same while selection of pumps. Actual invert level of sump shall be informed during detailed engineering.
3.	PART 01 TS SPEC ETP BHUSAWAL	Page No.11/126 2.1 SCOPE FOR AREA CONTAIN OILY WASTE AS BELOW: Suspended Solids at TPI Outlet: 20 ppm (Page No. 66/126) ANNEXURE-III FUNCTIONAL GUARANTEES AND	TPI separator can provide a guaranteed output of <100 ppm suspended solids only and the same can exceed 20 ppm at the outlet of TPI separator since it is meant for oil removal only. Kindly clarify.	Please note that CPI (Corrugated Plate Interceptor) is envisaged in place of TPI (Tilted Plate Interceptor) mentioned in page no. 11/126. Also Functional Guarantee parameters shall remain as per the Technical Specification.

Pre Bid Clarification for Effluent Treatment Plant (ETP) for 1X660 MW BHUSAWAL TPS.

		LIQUIDATED DAMAGES c)(iii) Suspended Solids not to exceed 20 ppm for Suspended Solids 300 ppm maximum in feed waste to the Separator.		
4.	PART 01 TS SPEC ETP BHUSAWAL	DATASHEET 'A' (Page No. 108/126) Clause No. 1.05.01- Oil Water Separator Page No.11/126 2.1 SCOPE FOR AREA CONTAIN OILY WASTE AS BELOW: Suspended Solids at TPI Outlet: 20 ppm P&I Diagram (Page No. 104/126) Oil Water Separator (Corrugated Plate Interceptor)	Please clarify if TPI (Tilted Plate Interceptor) is to be provided or CPI (Corrugated Plate Interceptor) is to be provided for oil-water separation.	Please Note that CPI (Corrugated Plate Interceptor) is to be provided for oil-water separation.