



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-10-Oct-25

CORRIGENDUM- 04

PROJECTS	:	1 X 800 MW HPGCL YAMUNANAGAR STPP
PACKAGE	:	NATURAL DRAFT COOLING TOWER (NDCT)
ENQUIRY NO	:	77/25/6135/SAN DATED 19.09.2025
SUBJECT	:	PRE- BID CLARIFICATIONS

Type of Corrigendum			
Technical Corrigendum -	☒	Commercial Corrigendum -	☒

Bidders are requested to note the following -

1. Please refer attached BHEL Replies to Pre-Bid Queries

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

Sanjeev Kumar
Engineer/BOP

PRE-BID CLARIFICATIONS

Sl. No.	Specification Reference					Bidders Query	BHEL Reply
	Section- Part	Sub Section	Clause no.	Page	Description		
PQ & COMMERCIAL POINTS							
1	Technical PQ requirement	Technical PQ requirement	cl 4.4.2.2	18/ 305	In such case , the Collaborator / Associate shall be required to furnish an on-demand bank guarantee of INR 10 million for the Collaborator / Associate of NDCT.	In case if NDCT is designed by a party other than the Bidder, then, Bidder is required to submit DJU executed between Bidder and Collaborator/Associate (Design Consultant) & on- demand bank guarantee of INR 10 million from Collaborator/Associate (Design Consultant) of NDCT. Since the Bidder is already providing PBG to BHEL, why is this additional on-demand BG from Design Consultant is required? In view of above, we request you to kindly modify this clause and BHEL may ask for only support letter from Design Consultant in line with earlier BHEL tenders. Please confirm /clarify.	Please follow tender conditions.
2	Technical PQ requirement	Technical PQ requirement	cl 4.4.2.3	18/ 305	Amount of on-demand bank gurantee in addition to contract Performance Guarantee in case Bid is submitted as per clause 4.4.2.3 with Associate Partner.	Amount of on-demand bank guarantee in addition to contract Performance Guarantee of Rs. 6.50 crs (each) to be submitted in case of Award of Work by the Bidder & Associate Partner as per clause 4.4.2.3 appears to be very high. We request you to kindly restrict the amount based on value of proposed work i.e. upto maximum 5% of CV and out of which 2.5% shall be submitted by Main Bidder & balance 2.5% shall be submitted by Associate Partner. Please review & modify the same.	Please follow tender conditions.
						The validity of aforesaid Bank Guarantee submitted shall be upto contractual completion of project. Please confirm.	The validity period for on-demand BG shall be inline with the DJU format for Clause no. 4.4.2.1 & 4.4.2.2. The DJU format for clause no. 4.4.2.1 & 4.4.2.2 is enclosed. The format for DJU against clause no. 4.4.2.3 shall be shared before placement of order.
3	Open space for Site office,storage, etc	Annexure VII to NIT		175/ 305	BHEL shall provide limited open space for Contractor office and store as and where made available (inside or outside plant premises)	We understand that Land provided for Contractor's office, storage shed and laydown area by BHEL inside the plant boundary is Free of Cost basis. However in case if the land for the same is provided by BHEL outside the plant boundary then it is Free of Cost / chargeable. Please confirm.	It is clear mentioned in clause that BHEL shall provide limited open space for Contractor office and store as and where made available (inside or outside plant premises). Hence, Refer the clause.
4	Construction Power	SCC	clause no. 18		Construction Power is available on chargeable basis at single point basis.	Construction Power shall be made available at one point within the plant boundary on Free of Cost basis for Construction purpose in line with other BHEL Contracts. We request you to kindly provide maximum lead (in kms) of Single Delivery Point from NDCT location.	1.BHEL may provide electricity at a single point source (approximately 500 meters) for construction works near the NDCT area on a chargeable basis. 2.BHEL may also provide electricity at another single point source (approximately 500 meters) for construction works near the batching plant area on a chargeable basis.
5	Construction WATER	SCC	clause no. 18		Construction Water is available on chargeable basis at single point basis.	Construction Water shall be made available at one point within the plant boundary Free of Cost basis for Construction purpose in line with other BHEL Contracts. We request you to kindly provide maximum lead (in kms) of Single Delivery Point from NDCT location.	1.Single Point Source for Construction Water within the plant premises(approx 500 Meter) shall be provided at a location as approved by Owner. Construction Water shall be provided on chargeable basis. Construction Water source for outside plant boundary shall be arranged by contractor at his own cost. 2.Contractor shall arrange construction water from single point source including all necessary piping, valves, water meter etc. shall be arranged by the contractor at his own cost.

PRE-BID CLARIFICATIONS

6	Construction WATER	Annexure to NIT	clause no. 3.12	185 /305	Constr. of Underground water tank (1 lakh litres) 3.12. Construction water: 3.12.1. Within the Plant Premises: Construction Water (Raw water) required for site requirements within the plant premises shall be provided by BHEL / Owner at single point source on chargeable basis. Tentative location of construction water (single point source) is along the plant boundary of existing HPCL plant. The construction water is from open stream at which a gate valve and metering arrangement is required to be installed by the contractor. For arrangement of Construction Water within the plant premises, contractor's scope shall include construction of approx. 1 Lakh Liter capacity underground water storage tank. Payment for water storage tank shall be made as per Item Rates in BOQ cum Rate Schedule. Contractor's scope shall also include the supply, installation and commissioning of gate valves, G.I. pipes, pumps, water meter etc. for connection of the open water channel with water storage tank. Contractor shall complete the construction of this storage tank within 92 months from the date of start of work. Typical Drawing of Water Storage Tank is enclosed with the Tender, however final drawing for the water storage tank shall be prepared by contractor in consultation with BHEL. Water storage tank shall be constructed at the location decided by BHEL Site and as per approved drawings. Further distribution of water from storage tank including required pumps & accessories, pipes, water meter for drawing water shall be arranged by the	We understand that construction of underground water tank of 1 lakh litres capacity is in Contractor's scope of work. Payment for the aforesaid water storage tank shall be made as per Item rate in BOQ cum Rate schedule as mentioned in tender clause. However, since this is an EPC tender kindly confirm regarding the payment procedure. Kindly also provide tentative drawing for the same.	Please refer latest enclosed Annexure VII Rev-01 to NIT
TECHNICAL POINTS							
1	Design	Book 1 of 2	Clause 5.7	13 of 347,	Handrail specification	The handrailing is specified to be in Stainless Steel but the grade of steel is not mentioned. Please let us know whether it is SS 304 or SS 316. As you are aware, SS 304 too is prone to corrosion and SS 316 is quite expensive. Hence, please let us know what your preference is. Also, please let us know if the handrailing can be provided in Pultruded FRP instead of SS.	Bidder is requested to follow the specification.
2	Design	Book 1 of 2	Clause 8.13, Page 16 of 347, Book 1 of 2			20% of (KaV/L)fill is permitted for (KaV/L)rain. This means that (KaV/L)D = (KaV/L)fill + (KaV/L)spray = (KaV/L)fill + 20% (KaV/L)fill = 1.2 x (KaV/L)fill. Please confirm.	Specification is clear. Bidder is requested to follow the specification.
3	Design	Book 1 of 2		247 of 347	Circulating Water analysis	The total hardness is shown to be 903.75 ppm. This is extremely hard water. Any fill will scale in such a harsh environment. Please let us know whether any anti-scaling treatment is going to be implemented during operation of the tower to prevent fouling/choking of fills.	BHEL has already considered anti Scalant along with disinfection for Circulating water system to prevent fouling and scaling.
4	Design	Book 2 of 2	Clause 5.2 & Clause 5.5	31 & 424 of 1099	Type of foundation for NDCT	Pile foundation is mentioned at Clause 5.2 for cooling tower. However, it is not clear whether it is the NDCT that is being alluded to here or any other cooling tower package in the project. This is because Clause 5.5 in the Soil Report specifies Open Foundation for NDCT. Please clarify whether the foundation is open or pile specifically for the NDCT package.	As per Technical Specification PE-TS-510-165-W001, Rev. 01, Book 2 of 2, Chapter 05 – Geotechnical Investigation, Clause 5.2 and Clause 13.3, the NDCT shell support structure shall be on pile foundation. For other minor structures, the vendor shall decide the suitable foundation system in accordance with the geotechnical report.
5	Design	Book 2 of 2	Clause 13.5.1	210 of 1099,	Cyclonic factor	The last paragraph of this clause specifies that the cyclonic factor (K4) must be considered as per IS 15498. As you are aware, the wind speed gets enhanced because of this consideration and significantly increases the loads on the NDCT foundation resulting in significantly higher cement & steel quantities and costs. In this context, please note that the specifications require a wind tunnel test to be carried out for the NDCT at the design wind speed to determine the wind enhancement factor and increase this factor by 10% to account for geometrical imperfections. Adding the cyclonic factor over and above these factors is going to result in significantly higher costs. Hence, please review this clause to check its applicability to NDCTs in lieu of low rise houses and other industrial buildings.	Bidder is requested to follow the specification.
GENERAL POINTS							
1	Tender document				Bid Due of submission - 04/10/2025	We request you to kindly extend the Bid due date of submission by atleast 2 weeks.	Bidders are requested to submit their offer with in due date & time i.e. 13.10.2025 @01:00 PM