



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-13-Aug-26

CORRIGENDUM- 02

PROJECTs	:	2000 TPD BCGCL COAL TO AMMONIUM NITRATE - LSTK 1
PACKAGE	:	INDUCED DRAFT COOLING TOWERS (IDCT)
ENQUIRY NO	:	77/26/6109/AMI dt.06/08/2026
SUBJECT	:	Replies to pre-bid queries

Type of Corrigendum			
Technical Corrigendum -	☒	Commercial Corrigendum -	☒

Bidders are requested to note the following -

1. Replies to pre-bid queries enclosed.

All the 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

Amit Kumar
Sr. Manager/BOP

Sl. No.	Reference Clause of Tender Document	Existing Provision				Bidder's Query/ Deviations requested	BHEL Reply
1.	PVC Clause Annexure I to NIT	PVC shall be applicable only, during the extended period of contract (if any) after contractual completion period and for the portion of work delayed / backlog for the reasons not attributable to the Contract.				The contract price shall be applicable to price variations during execution of the contract to reflect changes in the cost of labour and material components etc.	Bidder to follow specification.
2.	Clause No. 1 T&P List for IDCT Annexure II to NIT	1. Concrete Batching Plant (60 Cum/hr) with 3 nos silos of 100 MT Capacity – 1 no. minimum				We request to change this clause as follows: Concrete Batching Plant (30 Cum/hr) with 1 no silos of 100 MT Capacity – 1 no. minimum	Bidder to follow tender terms & conditions.
3.	Clause No. 3.3.1 (a) Annexure VII to NIT	Sl. No	Description	Scope		Remarks	
			PART I	BHEL	Bidder		
		a	Making the water available at single point	Yes	Yes		
						We request BHEL to provide water for construction (Free of cost basis) 50 m within Cooling Tower site & 50 m within Fabrication Yard & Batching Plant area.	Bidder to follow tender terms & conditions.
4.	Clause No. 3.11.1 Annexure VII	BHEL shall not provide any space or residential accommodation to the contractor for his staff or labour and the contractor has to make his own arrangements at his cost.....				We request BHEL to provide land for labour colony on free of cost basis including free supply of drinking water and electricity.	Bidder to follow tender terms & conditions.

Sl. No.	Reference Clause of Tender Document	Existing Provision	Bidder's Query/ Deviations requested	BHEL Reply
5.	Clause No. 36 Security Deposit NIT	10% of the contract value is to be submitted by the successful contractor to executing agency.	We request you to accept Performance Security BG of 5% of Contract value which will be valid till completion of defect liability period.	Bidder to follow tender terms & conditions.

PRE-BID CLARIFICATIONS

SI No	Reference			Queries by bidder	BHEL REPLY
	Section	Chapter / Cl. No	Page No.		
TECHNICAL					
1	Technical Specification for IDCT (Part-2 / Book-1)	Annexure-3 / IDCT Key plan and Terminal Point Details	4 / 217	We understand that only basic cooling tower including HW piping upto finalised terminal point are under our scope. Supply, civil work and installation of all package items shown in the Layout drawing viz. CWTP system, CIO2 dosing system, etc. are exclued from our scope. Please confirm. We also request you to furnish a duly marked Scope Limit Drawing.	Bidder to follow specification.
2	General	Existing site conditions	-	Please confirm that the designated site for subject cooling tower is free of any obstacles / existing structures / service lines (both overground and undferground). If not so, then it is the responsibility of BHEL / Owner to arrange for re-routing / demolition of the same, before handing over clear graded site to cooling tower contractor, with adequate clearances. Please confirm.	Area, designated for IDCT, has been graded (in this case, earth / soil filling has been done) by M/s. BCGCL up to RL. 218 m (+/-) 300 mm. In general, IDCT area is free from encumbrances. However, during execution, in the event of encountering any underground utilities, same may be removed / re-routed by the bidder.
3	General	Electrical items - hazardous zone classification	-	Please confirm the hazardous area classification and gas group to be considered for design of electrical items on the cooling tower fan deck.	Bidder to follow specification.
4	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CL. No. 4.2.2	22 / 143	Casing in case of a pultruded FRP structured cooling tower option shall be of corrugated FRP (moulded).	Bidder to follow specification.
5	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CL. No. 4.2.3	22 / 143	Cell partition wall shall be of corrugated FRP (moulded) for a pultruded FRP structured cooling tower option.	Bidder to follow specification.
6	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CL. No. 4.2.5	22 / 143	In case of pultruded FRP structured cooling tower option, fan cylinder / recovery stack shall be of moulded FRP / GRP. Same in pultruded FRP is not feasible.	Bidder to follow specification.
7	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CL No 10	108/143	a. In view of the referred clause / specification of instrumentation enclosures, painting etc. please confirm whether Zone 2 Gas Group IIA/IIB or Zone 2 gas group IIC has to be considered for the C&I items. b.Also based on the hazardous area classification, please confirm whether there is requirement of of HC & NH3 gas detectors in our scope of supply. If yes, then please provide the relevant technical specifications, approved vendor list and mandatory spares requirement for same. c. For use in India, all relevant C&I items shall be provided with latest CCOE/PESO certification. Please confirm acceptance.	Bidder to follow technical specification
8	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CL No 13	108/143	Please note that performance test instruments used for performance testing of cooling tower shall remain test engineer / team's property and same shall be taken back after successful conductance of PG test. Now referring to this clause, kindly confirm whether bidder need to supply these listed PG test instruments as new loose items for permanent installation by Owner at a later date. In case yes, since these items will be permanent installation same need to be connected through JB to Owner's DDCMIS and hence there will be no requirement of temporary DAS in this case. Please confirm. However, if Owner feels that Temporary DAS is applicable, then kindly provide the relevant technical specifications, approved sub vendor list and mandatory spare requirement for the same, as applicable for our scope limits. In case we have to supply the test instruments as loose items, kindly confirm that the "Barometer" mentioned here refers to barometric type pressure transmitter. Please confirm.	Bidder to follow specification.

PRE-BID CLARIFICATIONS

SI No	Reference			Queries by bidder	BHEL REPLY																				
	Section	Chapter / Cl. No	Page No.																						
9	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CL No 20	108/143	There is no separate requirement of providing vibration monitoring pad. We understand that these are standard bought outs from the VMS vendor and should be arranged by Purchaser. Please confirm.	Bidder to follow technical specification																				
10	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CL No 2.3 / SPECIFICATIONS - TEMPERATURE GAUGE Housing IP-65 (Explosion proof for NEC Class-1, Division 1 area)	101/143	Temperature Gauge is a mechanical instrumentation item with no electronics contained within. Therefore explosion proof housing is not applicable in this case. Please confirm.	Bidder to follow technical specification																				
11	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CI No 2.11 / SPECIFICATIONS- JUNCTION BOX	105/143	Based on the clause, we understand that we shall have to consider ex-e type FRP make IP-65 JB, suitable for Zone 2, Gas Group IIA/IIB or IIC. Please confirm, as applicable. Our proposed makes for the subject item are M/s P&F, M/s R Stahl or M/s Phoenix Mecano India Limited, M/s MTL Instrument India Pvt Limited, subject to BHEL / Owner's acceptance. Please confirm.	Bidder to follow technical specification																				
12	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CI No 2.5 / SPECIFICATIONS -RTD	103/143	RTD specification is noted. Please confirm and specify the requiriement of WTD and BTD for the cooling tower fan motors, as applicable.	Bidder to follow technical specification																				
13	Technical Specification for IDCT (Part-1 / Book-1 of 2)	CI no 2.7 / SPECIFICATIONS - Anemometer wind speed sensor hosuing "weatherproof"	104/143	We understand that the enclosure of the anemometer sensor shall be flameproof, suitable for Zone 2, Gas Group II/IIB or IIC. Please confirm the requirement. Please also provide the approved sub vendors for the same.	Bidder to follow technical specification																				
14	Corrigenda	-	-	Please confirm that all technical amendment / corrigenda / addendum issued pertaining to earlier NIT Ref. No. 77/26/6036/AMI dtd.13.05.2026 [Tender ID: 2026_BHEL_61185_1] for the same project have been duly incorporated in this re-tender specification, as relevant for the scope of cooling tower bidder.	Bidder to follow specification.																				
14	Additional query	-	-	As a part of Corrigendum 01 / Technical Amendment 01 issued today you have now provided details about two (2) additional boreholes (BH-19 and BH-20) and have mentioned the same as applicable for the “IDCT” area. In this context, kindly note that in the geotechnical report, which has been shared as a part of the main technical specifications, the foundation recommendations as mentioned for BH 1-20 are as below: <table><tr><th rowspan="2">Depth of Foundation below FGL</th><th rowspan="2">Width of Foundation</th><th colspan="2">Recommended Allowable bearing pressure (t/sqm)</th></tr><tr><th colspan="2">Borehole Group (BH-1 - 20)</th></tr><tr><th>(m)</th><th>(m)</th><th>Founding layer</th><th>NABC (t/sqm)</th></tr><tr><td>1.0</td><td rowspan="3">1.0 to 6.0m</td><td>Soil</td><td>10.0</td></tr><tr><td>2.0</td><td>Soil</td><td>15.0</td></tr><tr><td>3.0</td><td>Soil</td><td>20.0</td></tr></table> For foundations which are to be placed on rocky strata, allowable bearing pressure is worked out based on RMR as per IS 12070: 1987 and other field/lab test results, and the same is recommended as 50 t/sqm considering 0.5m embedment inside the rock.	Depth of Foundation below FGL	Width of Foundation	Recommended Allowable bearing pressure (t/sqm)		Borehole Group (BH-1 - 20)		(m)	(m)	Founding layer	NABC (t/sqm)	1.0	1.0 to 6.0m	Soil	10.0	2.0	Soil	15.0	3.0	Soil	20.0	It is informed to bidder that the details of two (2) additional boreholes (BH-19 and BH-20), furnished as a part of Corrigendum 01 / Technical Amendment 01, pertains to the “IDCT” area of this project. These details are a part of the geotechnical investigation carried out by BHEL. Further, the SBC recommendation for BH-1 to 20 (as per table referred in this prebid query) is from a different geotechnical investigation report, furnished by M/s. PDIL. Same may be noted. This is for your kind information.
Depth of Foundation below FGL	Width of Foundation	Recommended Allowable bearing pressure (t/sqm)																							
		Borehole Group (BH-1 - 20)																							
(m)	(m)	Founding layer	NABC (t/sqm)																						
1.0	1.0 to 6.0m	Soil	10.0																						
2.0		Soil	15.0																						
3.0		Soil	20.0																						
				Kindly confirm whether the previously specified foundation recommendations, as highlighted once again above, will remain applicable even for these new bore holes (BH 19 & 20) issued today, or is there likely to be any revision to the earlier foundation recommendation w.r.t. these newly provided boreholes.																					

PRE-BID CLARIFICATIONS

SI No	Reference			Queries by bidder	BHEL REPLY
	Section	Chapter / Cl. No	Page No.		
COMMERCIAL					
1	NIT	Cl. 28 / Payment Terms for Civil works	3 of 11	Payment Terms for Civil Works shall be as follows: Payment against mobilisation & installation shall be released after submission of additional bank guarantee of equivalent amount which shall be valid till completion of main supply. We request to omit this provision. We shall be deploying machineries which are already of significant value. Additional BG for payment is an unnecessary overburden. We can submit indemnity to the extent that the machineries would not be released till BHEL permits, except for repairs. <u>Secured Recoverable Advance</u>: The final T&P deployment list, commensurate with subject project, shall be discussed and settled to mutual satisfaction during kick-off meeting after order. Moreover, it is mentioned that upon mobilization of the listed construction machineries and establishment of labour colony, an advance of 5% of Civil+ETC Contract Value will be paid against BG. In this clause, we seek confirmation from BHEL that the number of machineries mentioned in this clause is tentative and actual deployment shall be decided jointly during Kick-Off Meeting along-with deployment durations. Further, the complete mobilization will not happen at day one and will be progressively mobilized as per plan of work at site. Hence, we seek approval of part advance payment based on progressive mobilization of machineries and manpower (and BBU to be approved accordingly). Also, the BG shall be submitted part by part in line with the approved releasable amount as per said BBU bifurcation, once the measurement approval / certification is done from BHEL's end. Please confirm.	Bidder to follow tender terms & conditions.
2	NIT	Cl. 28 / Payment Timeline	3 of 11	Payment Timeline of 90 days for non-MSME bidder / contractor as per MSMED Act is not acceptable at our end. Since the job completion time is 20 months, bidder cannot wait 3 months for payment. We request the same to be curtailed to 30 days. Kindly amend the stipulation.	Bidder to follow tender terms & conditions.
3	NIT	Cl. 30 / Penal rates	4 of 11	Penal rates are way more than the rates considered for computation of cement & steel cost loading under Cl. 27 of NIT. This must be normalized. We can agree to the rates of Cl. 27 + 5% OH of BHEL. Please confirm.	Bidder to follow tender terms & conditions.
4	NIT	Cl. 32 / Liquidated Damage	4 of 11	We seek deletion of separate LD provision on Supply. Delay in supply does not impose any harm if construction is completed timely or delayed due to reasons non-attributable to the contractor. Separate LD on supply delay is unreasonabale and amounts to unjust enrichment to BHEL	Bidder to follow tender terms & conditions.
5	GCC BOP Rev. 00 GCTC	Cl. 9.10	33 of 99	It is observed that no interest is payable for various circumstances mentioned in the clause. We propose that interest should be made applicable for justified instances @ 9% per annum at least. Please confirm acceptance.	Bidder to follow tender terms & conditions.
6	GCC BOP Rev. 00 GCTC	Cl. 10	33 of 99	We do not agree to cross-fall obligations related to payment recovery. If there is any claim of BHEL in excess of the bills and BGs of present project, same may be taken up through Arbitration by BHEL. Unilateral deduction from any other contract is not acceptable.	Bidder to follow tender terms & conditions.
7	GCC BOP Rev. 00 GCTC	Cl. 12.1	34 of 99	"Guarantee period for packages (excluding mandatory spares) shall be as stipulated in Special Conditions of Contract or otherwise, 12 calendar months from the date of handing over of the system Unit wise/Lot-wise/Stage-wise/Set-wise/ system wise (as applicable) to customer / BHEL, OR PG test of system (if applicable), whichever is later." This clause is not acceptable. BHEL to make change suitably to initiate guarantee period from bidder's notice for work completion, if the system is not taken over for BHEL's delay / other reaons not attributable to bidder / contractor.	Bidder to follow tender terms & conditions.
8	GCC BOP Rev. 00 GCTC	Cl. 44	51 of 99	ORC limit of INR 1,00,000 is not acceptable and not workable. It shall be increased to at least INR 10,00,000 per month. Please confirm acceptance.	Bidder to follow tender terms & conditions.
9	GCC BOP Rev. 00 GCTC	Cl. 46	51 of 99	We request for interest-free mobilization advance.	Bidder to follow tender terms & conditions.

PRE-BID CLARIFICATIONS

Sl No	Reference			Queries by bidder	BHEL REPLY
	Section	Chapter / Cl. No	Page No.		
10	General	-	-	We seek liberty to construct labour colony as per PCTL's standards and that should be allowed for the purpose of payments as well.	Bidder to follow tender terms & conditions.
11	General	-	-	Construction power shall be provided to Bidder free of cost at one point near the cooling tower site, at a distance of approx. 500 M. Please confirm the same.	Bidder to follow tender terms & conditions.
12	General	-	-	Kindly confirm that Construction water (free) will be provided at a distance of 500 m from cooling tower location for Cooling tower as well as for the Batching plant.	Bidder to follow tender terms & conditions.
13	General	-	-	Land availability has to be ensured by BHEL for office, store, fabrication, storage, bar bending yard etc. as per PCTL's requirements. Requirements will be shared during Kick Off Meeting. Please confirm.	Bidder to follow tender terms & conditions.
14	General	-	-	Construction power shall have to be available before start of work. It is not commercially viable to get the power connection 3 months after start of work. Please confirm.	Bidder to follow tender terms & conditions.
15	General	-	-	Construction water shall have to be available before start of work. It is not commercially viable to get the water connection 3 months after start of work. Please confirm.	Bidder to follow tender terms & conditions.
16	SCC	Cl. 10	1 & 2 of 3	BHEL's GSTIN details are noted, however, we shall be requiring approval from BHEL with respect to additional place of business before we can start any work in the area to comply with GST norms.	Bidder to follow tender terms & conditions.

Technical Queries

Project: 2000 TPD BCGCL COAL TO AMMONIUM NITRATE - LSTK-1

Enquiry No-77/26/6109/AMI Date -06-Aug-26

Sr. No	Document	Page No.	Description	Bidders Queries	BHEL Reply
1	TECHNICAL SPECIFICATION BOOK 1 OF 2 (PART-1)	22 of 143, Point 4.8	Fill support: SS 316 grid	Fills shall be supported by RCC beams in RCC tower / Pultruded FRP beams in FRP tower. Hence there is no separate requirement of SS 316 grid for trickle fills.	Bidder to follow specification.
2	TECHNICAL SPECIFICATION BOOK 1 OF 2 (PART-1)	108 of 143, Point 13	Following items are to be supplied as a minimum for PG Test	We understand that performance test instruments used for performance testing of cooling tower shall be brought during PG Test on returnable basis and will be taken back after successful conductance of PG test. Please confirm our understanding.	Bidder to follow specification.
3	TECHNICAL SPECIFICATION BOOK 2 OF 2	26 of 227	SOIL INVESTIGATION REPORT	Bore Hole log data provided in the tender does not indicate the bore hole(s) number pertaining to the cooling tower location. Geotechnical Report is essential to understand or determine the foundation requirements for the IDCT.	Field bore log pertaining to IDCT and adjacent areas are attached in specification for reference purposes only. Bidder to study the same and quote suitably.