



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-29-May-24

CORRIGENDUM- 02

PROJECTs	:	2 X 800 MW NTPC SINGRAULI TPP
PACKAGE	:	COOLING TOWER - Natural Draft Cooling Towers (NDCT)
Enquiry No.	:	PE/PG/SIR/E-7516/2024 dated 18.05.2024
SUBJECT	:	PRE-BID QUERIES

Type of Corrigendum			
Technical Corrigendum -	<input checked="" type="checkbox"/>	Commercial Corrigendum -	<input checked="" type="checkbox"/>

Replies to pre-bid queries are enclosed.

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
Manager/BOP

Sr No	Ref Clause	Title	Clause Description	bidders Queries	BHEL Reply
1	Prequalification Requirements (Technical)	Clause 4.3.2	In such a case, the Bidder shall be required to furnish a Deed of Joint Undertaking executed by the Bidder and its Collaborator/Associate for the successful performance of Cooling Tower, as per the format enclosed with the bidding documents. The Deed of Joint Undertaking (DJU) shall be submitted along with the bid/offer. In case of award, Bidder and Collaborator/Associate shall each be required to furnish an on-demand bank guarantee for INR 65 million (Sixty Five Million only) in addition to the contract performance security to be furnished by the bidder.	As Bidder and Collaborator / Associate are jointly responsible for the completion of the project, we request to remove the additional an on-demand bank guarantee for INR 65 million (Sixty Five Million only) by each in addition to the contract performance security. Please confirm.	Bidder to comply specification requirements
2	NIT - 22	Price Variation annexure to NIT	(Note-The total amount of PVC payable shall not exceed 10 % of the BASIC contract value for respective order.	As the fluctuation in the market rates is beyond the control of contractor, it is requested to remove the limitation of 10% from PVC payable.	Bidder to comply specification requirements
3	NIT, Clause- 28	Payment Term	Payment Terms for Civil Works shall be as follows: i (a) 5% payment against mobilization and installation for Sr No A.1, A.8 & A.9, of T&P deployment list (Annexure-II) + Labour colony duly certified by BHEL. (further breakup during BBU approval as per joint agreed progress work plan).	We presume that 5% interest bearing advance (as mentioned in the BOP, GCC Clause -46) will be available on award of contract other than mobilization payment mentioned in the NIT, Clause-28. Please confirm.	Please refer clause no. 1.6 of ITB of GCC BOP in which it is mentioned that NIT supersedes GCC. Therefore payment terms shall be as per NIT. No change in tender terms and payment terms shall be as per NIT. Bidders are requested to comply the same. No change in tender terms and conditions.
	BOP - GCC, Clause- 46	Advance	Normally no advance is payable to the contractor. However, advance payment in exceptional circumstances shall be interest bearing and secured through a Bank Guarantee and shall be limited to a maximum of 5% of contract value.		
4	BOP - GCC, Clause- 46	Advance	vi. The rate of interest applicable for the above advances shall be the base rate of State Bank of India prevailing on the date of release of advance plus 6%, and such rate will remain fixed till the total advance amount is recovered.	Rate of interest against advance in this contract is much higher than BHEL's recently floated tenders. It is requested to match the interest rate as Repo rate + 4% like other BHEL's tender. Please confirm.	
5	NIT, Clause- 28	Payment Terms for civil work	Clause no 9.5 (excluding notes) of GCTC of GCC BOP Rev. 00 shall be read as- "Vendors shall submit billing documents for payment directly to BHEL. Payment will be released within days as mentioned below after submission of complete documents as per clause no 9.6.2 – 9.6.5: a. 90 days for non MSME as per MSMED Act b. 45 days for vendors qualified and registered as Micro and Small Enterprises MSEs as per MSMED Act c. 60 days for vendors qualified as Medium Enterprises as per MSMED Act."	90 days to release the payment after submission of bill is very long duration. It will very badly affect the cash flow considering withheld amounts (10%) and retention (5%). It is requested to release the payment within 15days after submission of bill. Please consider the same to issue corrigendum.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
6	NIT, Clause- 28	Payment Term	Payment Terms for Civil Works shall be as follows: (ii) Ten percent (10%) of contract value of civil works along with taxes (as applicable) shall be released by Site authorities/ Region on successful completion of PG/ Demonstration test(s) and handing over system/ package to Customer/BHEL, as applicable.	As we are providing the 10% of Performance Guarantees, withholding of another 10% is not justified. As mentioned earlier, it is badly impacting the cash flow. Total deduction from the interim payment would be 26.5% (10% after completion + 10% advance recovery + 5% Retention + 1.5% IT) i.e receivable would be 73.50% against work done. It will be affecting cash flow very badly. We request to with-held maximum 5% only towards the compliance of Trial Run and PG test. Please confirm.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
	BOP- GCC - 46	Advance	viii. Recovery rate per month shall be the sum of: ☐ Not less than 10% of Running Bill amount		
7	NIT, Clause- 28	Payment Term	(i) Ninety percent (90%) of contract value of civil works along with taxes (as applicable) shall be released by Site authorities/PS- Region as follows: a) 5% payment against mobilization and installation for Sr No A.1, A.8 & A.9, of T&P deployment list (Annexure-II) + Labour colony duly certified by BHEL. (further breakup during BBU approval as per joint agreed progress work plan). b) Remaining 85% on pro-rata basis for the work completed, as per approved billing schedule, shall be released by Site authorities/ Region on submission of protocols, duly signed by BHEL Site/Customer.	Request to provide the methodology towards the payment of "b) remaining 85% on pro-rata basis of the work" after considering the various civil activities like Excavation, Concrete work, Reinforcement work, Shuttering work, finishing items etc. Please confirm whether payment BOQ will be quantity based or percentage based for various civil activities.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.

Sr No	Ref Clause	Title	Clause Description	bidders Queries	BHEL Reply
8	NIT - 30	Penal rates of Material	Penal rates of Cement and Reinforcement are given.	Please note that the bidder is to quote the quantity of Cement and Reinforcement in proposed BOQ for bid evaluation purpose and if these quantities varies, penal rates will be applied.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
9	NIT - 29	Globalization	Cement and reinforcement steel are free issue items and globalization of these free supply items is applicable. Globalization of free issue items viz. Cement and Reinforcement Steel means that any individual free issue item can vary and vendor should not be penalized in case total value of free issue item does not change considering the rates of cement and reinforcement steel mentioned in clause no. 27 of NIT.	We request to allow the contractor to purchase the cement and reinforcement steel from BHEL's approved vendors if quantities will be increased beyond the speified limit. Please confirm.	
10	SCC, Clause 22	Construction facilities to Vendor- Water & Electricity	Available on chargeable basis at one point. Further distribution is to be done by concerned vendor.	Please confirm water & electricity charges to be levied on the contractor.	Tariff for construction power & construction water shall be as per the usage and prevailing rates at the time of execution.
11	SCC, Clause 23	Storage infrastructure by Vendor	Open Space/leveled area for storage of material and open space for office construction will be provided free of charge within 5 km of plant premises at location as per availability.	1) Kindly provide us the Plan showing the location of Construction facilities and storage infrastructure provided to the vendor along with Work Site and BHEL's store to issue of Cement and reinforcement.	Plan shall be shared during the execution of work.
12	BOP- GCC, Clause 4.5.5	GST Compliance	Vendor/Supplier will share the Tax invoice along with LR/RR (as applicable) to BHEL immediately on removal of goods from vendor/supplier works.	While working with BHEL's other projects, it is seen that the reimbursement of GST is also proved as another factor which is affecting the cash flow badly. For this particular tender where it is mentioned to release the RA bills after 90days, GST reimbursement will take another 90days after settlement of RA bill. Thus it will take almost 06months for GST reimbursement to the contractor. It is blocking the GST amount of almost 18% for longer period. On the other side, other central agencies like NHAI, NHIDCL are releasing the GST's on monthly basis with RA bill payments. Request to consider the GST payment along with the monthly RA bill / IPC payment.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
13	BOP- GCC - 16.2	Delayed Delivery	16.2.1 a) LD on mandatory spares portion - 0.5% per week, limiting to 10% of total contract value of mandatory spares excluding GST b) LD on Supply and E&C - 0.5% per week, maximum of 10% of the total contract price (main supply and E&C) excluding GST c) LD on service portion (PG test, O&M, AMC, etc.) - 0.5% per week, maximum of ten (10) percent of the total contract value of service portion excluding GST.	We presume that total LD including Shortage in PG parameters shall not be exceeding more than 10% of award value. Please confirm.	LD shall be as per cluase no. 16 of GCTC of GCC BOP. However, Liquidated damages for Guaranteed Parameters is over and above clause no 16 of GCTC of GCC BOP.
	Technical Specification, Performance Guarantee to be demonstrated at site, Clause 2	Amount of Liquidated damages for Shortfall in Guaranteed Parameters	<u>Guarantee</u> = Per Cooling Tower - For every 0.2 deg. C rise in Cold Water Temperature from the guaranteed value- <u>Rate of LD</u> = US \$ 6,65,120 (US Dollar Six Lakhs Sixty Five Thousand One Hundred Twenty only) per for every 0.2 deg C rise in cold water temp		
14	Misc	Dumping Yard	Dumping Yard location	Please provide the location and distance of dumping yard from work site.	Location and distance of dumping yard shall be finalised during the execution of work and in consultation with NTPC. However same shall be upto 5-6km from plant premises.

PRE-BID CLARIFICATIONS

SI No	Reference			Queries by bidders	Response from BHEL
	Section	Chapter / Cl. No	Page No.		
COMMERCIAL					
1	Notice Inviting Tender	28 (GCC BOP - Clause No 9.2)	3 of 11	For a project of this dimension we expect 10% interest-free advance on Main Supply contract value. Please confirm. Referring to release of last 10% payment on Main Supply, kindly note that PG test will depend upon the ideal test conditions viz., plant load etc. which is beyond cooling tower contractor's control. Hence we cannot continue to extend the validity of the subject BG till completion of the PG Test, which is not under their control. Therefore, there should be a cut-off period for revalidating the BG. Ideally the PBG should be valid till warranty period only.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
2	Notice Inviting Tender	28 (GCC BOP - Clause No 9.3)	3 of 11	We expect 10% interest-free advance on E&C contract value. Please confirm. Referring to release of last 10% payment on E&C, kindly note that PG test will depend upon the ideal test conditions viz., plant load etc. which is beyond cooling tower contractor's control. Hence in case PG test / demonstration test of the cooling tower(s) cannot be completed within one year after completion of commissioning of cooling tower(s), for reasons not attributable to the contractor, BHEL shall release payment towards PG Test / demonstration test of the cooling tower(s) against existing performance security, valid till warranty period, that would have been submitted as per NIT clause 35 of page 6 of 11. Please confirm.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
3	Notice Inviting Tender	28 (i-a)	3 of 11	Please confirm that BHEL shall release 5% of the civil work payment against site mobilization and not linking it with installation of the T&P as per Annexure - II. Please confirm.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
4	Notice Inviting Tender	28 (ii)	3 of 11	For the last 10% payment against Civil Work, In case PG test / demonstration test of the cooling tower(s) cannot be completed within one year after completion of commissioning of cooling tower(s), for reasons not attributable to the contractor, BHEL shall release payment towards PG Test / demonstration test of the cooling tower(s) against existing performance security that would have been submitted as per NIT clause 35 of page 6 of 11. Please confirm.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
5	Notice Inviting Tender	28	3 of 11	We understand that payment will be released within 60 days for contractors not qualified as MSME as per Clause No 9.5 of GCC - BOP. Please confirm.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
6	Notice Inviting Tender	32	4 of 11	We request BHEL to delete Reverse auction clause as this is a EPC based contract.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
7	Notice Inviting Tender	52	10 of 11	It is not possible for bidder to assess any unprecedented or unforeseen situation which are non existent at the time of site visit, hence cost consideration for such events is not considered. Hence in case of any circumstance or site related information which was non existent at the time of site visit / bidding stages or not shared along with the tender document, suitable compensation (if applicable at the time of execution) has to be paid to the contractor. Please confirm.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
8	Annexure - I	--	--	Labour colony shall be constructed as per bidder's standard practice / drawing.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
9	Special Conditions of Contract	Chapter - VI	--	This document is available from Page No 18 of 34 to Page No 28 of 34. Balance pages are missing in the specification. Please confirm.	We have checked the document and ANNEXURE III to NIT consist of 11 pages and is complete.
10	Annexure - II	--	--	T&P shall be deployed by us at site as per requirement to suit overall completion period based on our tried and proven standard for NDCTs as offered by us for the subject project. At the time of start of work, joint MOM between BHEL and contractor about T&P to be deployed at site along with their individual quantities & deployment period may be made.	Work is to be completed in a timeline manner. We understand all T&Ps are to be deployed by vendor. If there is slow progress or any delay due to T&P deployment necessary action shall be taken as per the contract provision.

SI No	Reference			Queries by bidders	Response from BHEL
	Section	Chapter / Cl. No	Page No.		
11	Special Conditions of Contract	6.4.4.4 6.4.4.5 6.4.4.6	26 OF 34	Based on NIT / price schedule we understand that structural steel (rolled sections, plates, earthing rods, foundation bolts and MS rails) will not be issued free by BHEL. Please confirm.	Clauses related to structural steel handling in SCC may be ignored. Please refer price schedule, only Cement & Reinforcement steel are free issue items in line with tender documents.
12	Special Conditions of Contract	8.4	--	Please clarify whether BOCW Cess shall be borne by BHEL.	Refer annexure IV for BOCW.
13	Special Conditions of Contract	PVC Chapter	--	PVC should not be limited to Plastic, Steel & Electrical Equipment and Labour components only. PVC should be worked out based on NTPC formula and Contractor should be allowed to furnish the list along with assigned co-efficients for items on which PVC should be applicable. This is in line with standard NTPC specification.	Bidder to comply specification requirements
14	Special Conditions of Contract	PVC Chapter	--	In case of delays for reasons not solely attributable to the bidder / contractor, L3 schedule shall be revised and PVC needs to be calculated and paid based on revised L3 schedule. Please confirm.	PVC shall not be applicable for time extension provided for the delays solely attributable to the contractor.
15	Special Conditions of Contract	PVC Chapter	--	In case of negative price variation, payable amount to be restricted to ZERO. Please confirm.	Bidder to comply specification requirements
16	Special Conditions of Contract	PVC Chapter	--	It is understood that "If the works are executed in an x month, then indices pertaining to that particular x month shall be considered (subscript 1) for calculation irrespective of the month the work has to be completed as per L3 schedule. Please confirm.	Refer reply at S.No. 14 above.
17	Special Conditions of Contract	22	3 of 5	Please furnish the rates at which construction power and construction water shall be provided by BHEL to contractor.	Tariff for construction power & construction water shall be as per the usage and prevailing rates at the time of execution.
18	Special Conditions of Contract	General	--	Following provisions need to be incorporated in SCC / NIT: (a) Timeline for approval of drawing / documents. (b) Provision of Change Order should be incorporated. (c) Provision towards extension of time. (d) Formal Contract Agreement format is required for our review & comments, if any. (e) Order of precedence.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
19	Price Schedule	Annexure - I List of Mandatory Spares		<u>Control & Instrumentation Spares</u> We understand that no instruments are to be included in our scope. All instruments required for conducting PG Test of cooling towers shall remain testing agency's property and will be taken back by the testing agency after completion of performance testing. Hence the control and instrumentation spares listed in Annexure - I should not be applicable. Please confirm.	Bidder to comply specification requirements
20	General Conditions of Contract	General Commercial Terms & Conditions - Clause No 12.0	12 of 31	The guarantee period shall be 12 months from the date of handing over of cooling tower or 18 months from the date of last major despatch, whichever is earlier. PG test will depend upon the ideal test conditions viz., plant load etc. which is beyond cooling tower contractor's control, hence guarantee period cannot be linked to PG test of cooling tower. Please confirm.	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
21	General Conditions of Contract	33.0	24 of 31	Arbitration should be by joint arbitration procedure as per Arbitration & Conciliation Act, 1996 and as amended thereafter. The arbitration shall be conducted by a tribunal of three arbitrators, each party shall appoint one arbitrator, and the two arbitrators so appointed shall appoint the third arbitrator who shall act as the presiding arbitrator. If the two arbitrators fail to agree on the name of the presiding arbitrator, then appointment shall be made as per the provisions of Section 11 of the Arbitration & Conciliation Act, 1996 read with all its subsequent amendments up-to-date. Please confirm	NIT terms will prevail. Bidders are requested to comply the same. No change in tender terms and conditions.
TECHNICAL					
1	Technical Specification No. PE-TS-512-165-W001	12	6 of 216	We have noted that dismantling of underground facilities, if any, is outside bidder's scope. However, if available, BHEL is requested to furnish underground scanning report for the cooling tower location.	Dismantling of underground facilities is not in NDCT bidder's scope. Separate tender is floated for dismantling of existing facilities.

SI No	Reference			Queries by bidders	Response from BHEL
	Section	Chapter / Cl. No	Page No.		
2	Technical Specification No. PE-TS-512-165-W001	38.4	9 of 216	This clause needs to be suitably modified in line with Clause No 29 of NIT.	NIT clause shall prevail
3	Technical Specification No. PE-TS-512-165-W001	41.2	9 of 216	We could not locate the "General Technical Requirement" document for control & instrumentation, as mentioned in this clause.	Clause no 41 is General technical requirement for C&I only
4	Technical Specification No. PE-TS-512-165-W001	41.4	10 of 216	All instruments required for conducting PG Test of cooling towers shall remain testing agency's property (as applicable) and will be taken back by the testing agency after completion of performance testing. No separate instruments under this head has to be included in bidder's scope separately. Please confirm. As per our understanding and standard industrial practice for NDCT, no instruments are included in cooling tower bidder's scope for permanent installation. Please confirm.	Bidder to comply specification requirements as per clause no 1.3 of page 118 of 216
5	Technical Specification No. PE-TS-512-165-W001	Part A (Mechanical) - SI No 1.9	12 of 216	Since supply of riser isolation valves is in BHEL's scope, flanges / counter flanges for same should be in BHEL's scope only. Please confirm.	Confirmed
6	Technical Specification No. PE-TS-512-165-W001	Part A (Mechanical) - SI No 1.15	12 of 216	Since supply of sludge pumps is outside bidder's scope, handling arrangement for same should be arranged by others. Please confirm.	Bidder to comply specification requirements as per clause no 1.15 of page 12 of 216
7	Technical Specification No. PE-TS-512-165-W001	Part A (Mechanical) - SI No 1.27	13 of 216	Bidder's scope shall be strictly as per items specified in the technical documents. No additional system / equipment should be part of bidder's scope. Please confirm.	Bidder to comply specification requirements as per clause no 1.27 of page 13 of 216
8	Technical Specification No. PE-TS-512-165-W001	Part A (Mechanical) - SI No 2.2	13 of 216	Recommendation of Safe Soil Bearing Capacity in the cooling towers' area is not available in the specification. Please furnish the same to assess the type of foundation applicable for cooling towers.	Please refer Amendment 1 for the same.
9	Technical Specification No. PE-TS-512-165-W001	Part A (Mechanical) - SI No 5.7	14 of 216	Please confirm whether GI handrail is acceptable.	Bidder to comply specification requirements as per clause no 5.7 of page 14 of 216
10	Technical Specification No. PE-TS-512-165-W001	Part A (Mechanical) - SI No 5.12	14 of 216	Louvres are not applicable in our design.	Noted, however further details shall be discussed after award of contract
11	Technical Specification No. PE-TS-512-165-W001	Part A (Mechanical) - SI No 7.16	16 of 216	We have noted the maximum CW pumping head permissible. However, minimum elevation of top of water level in hot water distribution duct w.r.t. FGL should be as per bidder's internal design complying to guranteed pumping head requirement based on specified design conditions. Please confirm.	Bidder to comply specification requirements
12	Technical Specification No. PE-TS-512-165-W001	Part A (Mechanical) - SI No 7.17	16 of 216	Evaporation loss is dependent on process parameters viz. cooling range, WBT and relative humidity which are beyond cooling tower bidder's control.	Bidder to comply specification requirements
13	Technical Specification No. PE-TS-512-165-W001	Part A (Mechanical) - SI No 7.30	17 OF 216	Minimum fill plan diameter should not be limited by Purchaser. Bidder should be allowed to design the same to optimise their selection complying to design conditions and guarantee parameters.	Bidder to comply specification requirements
14	Technical Specification No. PE-TS-512-165-W001	Sub-Section A-15 / Clause No 8.00.00	20 of 216	Louvres are not applicable in our design. Moreover, over-dimensioning of cold water basin is not applicable for NDCT.	Noted, however same shall be subject to NTPC approval after award of contract
15	Technical Specification No. PE-TS-512-165-W001	Sub-Section A-15 / Clause No 9.00.00	21 of 216	Please confirm that there is no need for testing the offered fill if same has been already tested by an independent reputed laboratory approved by NTPC for re-validating the thermal characteristics and pressure drop co-relation.	Bidder to comply specification requirements
16	Technical Specification No. PE-TS-512-165-W001	Standard Electrical Scope - SI No 1	26 of 216	<u>Emergency Power supply as available in the Project is 3Phase 3Wire.</u> As per Technical Requirements of Lighting System, Cl. No. 3.01.00, the lighting system of various areas shall comprise of Normal AC, Emergency AC & DC Lighting system. From the technical requirements it is clear that DC Lighting is not required for NDCT area. However, if Emergency AC Lighting System is required, BHEL to provide <u>3Phase, 4Wire</u> supply to Emergency Lighting Panel to be supplied by vendor. Hence, please confirm whether Emergency AC Lighting system is to be considered for NDCT or not.	Emergency AC Lighting system is to be considered for NDCT. In line with scope split, BHEL will provide 3Phase, 4Wire supply to Emergency Lighting Panel to be supplied by vendor.
17	Technical Specification No. PE-TS-512-165-W001	Technical Data - Part A (C&I)	91 OF 216	We understand that no instruments to be supplied by bidder. PG Test instruments shall be brought to site on returnable basis but shall remain testing agency's property. Please confirm.	refer reply to point no 4 above

SI No	Reference			Queries by bidders	Response from BHEL
	Section	Chapter / Cl. No	Page No.		
18	Technical Specification No. PE-TS-512-165-W001	Raw water data	100 of 216	<p>1. Turbidity is mentioned as 10-15 after clarification process. Kindly provide the TSS on the circulating water.</p> <p>2. Please provide makeup water analysis</p> <p>3. Please provide circulating water analysis at COC-5</p>	<p>1. TSS of Clarified water i.e makeup water shall be 10-15 ppm. TSS of circulating water shall be with COC of 5.</p> <p>2. Makeup water analysis shall be same as raw water analysis provided in specification. TSS of makeup water shall be assumed 10-15 ppm.</p> <p>3. Make up water analysis already provided in the specification. Circulating water analysis to be ascertained by Bidder at COC 5.</p>
19	Technical Specification No. PE-TS-512-165-W001	Annexure - III	102 of 216	As per plant layout, an "AUX CT" is shown located near the subject NDCT (CT#1). Please clarify whether supply and installation of this auxiliary cooling tower is a part of this tender. Also please furnish additional details about the same.	Aux CT is not covered under this enquiry
20	Technical Specification No. PE-TS-512-165-W001	Performance Guarantees	118 of 216	<p>We understand that performance guarantee testing of both the cooling towers shall be carried out by cooling tower contractor only. Please confirm.</p> <p>Also please note that PG Test instruments required for conducting the PG test shall be brought to site on returnable basis but shall remain testing agency's property. Same cannot be retained by end Customer after completion of PG test.</p>	Bidder to comply specification requirements
21	Technical Specification No. PE-TS-512-165-W001	Sub-Vendor List - BOP Systems (Mechanical)	SI No 11.A	Drift eliminators will be of our own make, complying to specification requirement.	Approval of makes shall be as per specification requirements
22	Technical Specification No. PE-TS-512-165-W001	Sub-Vendor List - BOP Systems (Mechanical)	SI No 11.B	<p>In case of V-bar type fill, fill shall be self-manufactured item for us, which will comply to specification requirement.</p> <p>In case of trickle grid type fill, fill shall be either of our own make or other reputed makes like Hewitech or equal should be allowed.</p>	Approval of makes shall be as per specification requirements
23	Technical Specification No. PE-TS-512-165-W001	Book 2 of 2	Civil Work	We understand "Bidder" mentioned in this specification refer to BHEL. Our scope of work is limited to cooling towers only within terminal point as mentioned elsewhere in the specification. Please confirm.	Here, Bidder is for NDCT Package only.
24	Technical Specification No. PE-TS-512-165-W001	Sub-Section - IID / Clause No 1.00.00	1 of 13	<p>Kindly furnish the following:</p> <p>(a) Firm soil test report</p> <p>(b) Recommendation of SBC for cooling tower area</p> <p>(c) Contour map</p>	<p>(a) Bore hole data furnished in 220 to 237 of 317 Book 2 of 2</p> <p>(b) Furnished in Amendment 1</p> <p>(c) furnished in page no. 220 of 317 Book 2 of 2</p>
25	Technical Specification No. PE-TS-512-165-W001	Sub-Section - IID / Clause No 1.00.00	2 of 13	Kindly confirm that removal and disposal of identified facilities / structures / substructures / foundations / pipes / and any underground structure / materials, debris, etc. are outside cooling tower contractor's scope. We understand that cooling tower site will be handed over to us graded to FGL after dismantling & disposal of existing over-ground as well as underground facilities applicable within our scope limit. Please confirm.	It is hereby confirmed that removal and disposal of identified facilities / structures / substructures / foundations / pipes / and any underground structure / materials, debris, etc. are outside cooling tower contractor's scope.
26	Technical Specification No. PE-TS-512-165-W001	Sub-Section D-1-5 / Clause No 5.17.0	44 of 127	As mentioned elsewhere in the specification staircases shall be of RCC. Please confirm.	Pl. refer the cl. No-5.17.05.07, Page 63 of 317
27	Technical Specification No. PE-TS-512-165-W001	Annexure - C (Civil Work - Foundation System)	8 of 10 (107 of 317 in soft copy)	Soil data report for cooling tower has been struck through. Please furnish the firm soil report with depth of foundation and net allowable bearing capacity for the final location of the subject NDCTs. These are mandatory requirement.	Please refer Amendment 1 for the same.
28	Technical Specification No. PE-TS-512-165-W001	Annexure - Bore Log Data	111 of 140 (221 of 317 onwards in soft copy)	Please confirm the bore hole numbers applicable for final location of the subject NDCTs.	Bore hole data is already furnished at page no 220 to 237 of 317 Book 2 of 2.

SI No	Reference			Queries by bidders	Response from BHEL
	Section	Chapter / Cl. No	Page No.		
29	Technical Specification No. PE-TS-512-165-W001	Pre-Bid Queries & Clarification / SI No 701	293 of 317 of soft copy	<p>In view of the HT lines passing very close to the NDCT there is possibility of shifting of the location of the cooling tower. Please provide the final layout, contour map, co-ordinates, bore log data, soil report, Existing Grade Level and foundation recommendation for the final and firm location of the cooling towers.</p> <p>Also please note that in case of any variation in the soil data during execution stage from what has been provided to us during bidding stage, all applicable price & time implications should be borne by BHEL.</p>	<p>HT lines are not passing close and are minimum 50 meters away from NDCT as per the NDCT Layout provided at Page 102 of 216.</p> <p>Refer clause no. 7.01.01 on page 100 of 317</p>
30	Technical Specification No. PE-TS-512-165-W001	Pre-Bid Clarification / SI No 29	294 of 317 of soft copy	Kindly furnish mentioned Amendment No D1-45.	<p>Refer page no. 220 of 317 Book 2 of 2. Also, Refer cl no. 7.00.00 Page no. 100 to 109 of 317 and Amendment-1.</p>