Corrigendum - 1 dated 07/10/2024 to CPC Tender No. BHEL/CPC/LRA/ESP-FGD/25/037 for the work of "Erection, commissioning & Trial Operation of ESP and FGD including lining, Insulation, Supply and Touch-up panting as and where required, Handling of materials at BHEL / Client's Stores / Storage Yard and transportation to site, and handing over of Electrostatic Precipitator (ESP) and its auxiliaries along with Ducting complete with all accessories, lining and insulation from ESP outlet to Chimney Inlet including supply & installation of items as per BOQ and FGD system and related auxiliaries along with the common system of Gypsum Dewatering System. E & C of Ducts of absorber, Absorber tower along with oxidation blowers, Lime Stone Handling System, and supply & installation of items as per BOQ of Unit#3 and Unit#4 of Stage#2 of 2X800 MW NTPC LARA Stage II Project, Dist. Raigarh, CG"

#### A) Time Extension: Clause No. 1.0 Salient Features of NIT in NOTICE INVITING TENDER is revised as below:

Sl. No.	Clause No.	Existing in Tender	Revised As
1	Sl. No. v) DUE DATE & TIME OF OFFER SUBMISSION.	Date: 07/10/2024, Time: 10:00 Hrs	Date: 14/10/2024, Time: 10:00 Hrs
2	Sl. No. vi) OPENING OF TENDER	Date: 07/10/2024, Time: 16:30 Hrs	Date: 14/10/2024, Time: 16:30 Hrs

# B) Some of the Bidders sought clarifications in regard to the published tender specification. The clarifications issued by BHEL are as below;

SI. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
1	TCC	2.3	BHEL at its discretion may include works in other area of similar nature limited to 15% of awarded contract value, which are not mentioned in above scope of works. Contractor shall execute such works as desired and as directed by BHEL Engineer. The item rates & contract conditions shall remain unchanged for such works.	We understand the work shall be limited to our working area such as related to ESP or FGD.	Bidder to refer Clause 2.3 of TCC.

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
2	TCC	2.57	All the works areas shall be adequately flood lighted to the satisfaction of the Engineer-in Charge when the work is in progress during the night shifts.	We understand that the vendor is responsible only for job site illumination, while the rest of the area lighting is under the scope of M/s BHEL.	Tender Conditions shall prevail
3	TCC	2.8.28	Adequate lighting facilities such as hand lamps and area lighting shall be arranged by the contractor at the site of construction, preassembly yard and contractor's material storage area etc. at his cost.		Tender Conditions shall prevail
4	TCC	3.11.10	The bidder will have to Procure & install General mobile illumination system during construction right from start of his work. This system will include temporary pole lighting, within the quoted price. The illumination should be such that minimum illumination requirement as specified by Indian standards for general illumination is maintained.		Tender Conditions shall prevail
5	TCC	2.5.14	Medical/First aid center/medicine purchased for emergency/Doctor purpose along with ambulance services with fuel and operator (round the clock) shall be arranged by BHEL for handling medical emergencies. Cost against these facilities shall be distributed / shared among the vendors working in Lara Project site proportionately based on contract value.	Please specify the proportionate % of the contract value that should be recovered.	Refer Clause no 2.5.14 "Cost against these facilities shall be distributed / shared among the vendors working in Lara Project site proportionately based on contract value."

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
6	TCC	2.8.12	Painting: Touch-up Painting: All structures/components shall be supplied from BHEL units/workshops with finish coats of paint. Therefore, final painting is not applicable in the scope of contractor for Unit supplied items (until specifically mentioned in the tender). However, touch up painting (wherever required), incidental to the work, shall be in the scope of the contactor, including supply of the required paints and primers and associated consumables. Special Requirement of Lifeline/scaffolding/ special safety requirement shall be paid on manhour rate as per GCC.	As stated in "7. Terms of Payment" of the TCC, 1% of the CV is allocated to the ESP, Structure, and Piping head. However, final painting is excluded from the vendor's scope of work, with only touch-up painting included. Could you please define the payment modality? We understand that payment will be made on a prorated basis corresponding to the tonnage erected. Kindly clarify it?	Refer Sl No 7.2.25 of the table under Clause no 7.2 Further 15 % payment on pro-rata basis common to all PGs of ESP and FGD and auxiliaries be released on achievement of the following stage / milestones events (as per Cl no 7.2.1 to 7.2.30 of the following table) for the tonnage erected.  Touch Up Painting on all erected structure shall be in agency scope invariably.
7	TCC	2.8.15	2.8.15 Manpower required exclusively for BHEL Menial and Secretarial Services:    SN   Description of Work/Item   BOQ (Man Months)   Pkg-A Pkg-B	We understand that BHEL will utilize this manpower for the work related to the ESP and FGD packages awarded to the vendor.	Tender Conditions shall prevail.
8	TCC	2.9.12	Sealing compounds and GI wires for insulation mattress binding and Self drilling screws / Self taping screws for sheeting works shall be provided by the agency within the quoted price/rates.	According to BHEL's standard practice, sealing compounds, GI wires for insulation mattress binding, and self-drilling/self-tapping screws for sheeting work are to be provided by BHEL. We request that BHEL continue to supply these items as per previous practices.	Tender Conditions shall prevail

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
9	TCC	3.9.2	In case labour hutment is not completed as per the drawings and specification and any penalty is imposed by Customer, same shall be recovered from contract's RA Bill. Rectification and Corrections in labour hutment as pointed out by BHEL/Customer shall be bidder's responsibility and any cost incurred by BHEL to complete the works, in case of noncompliance of the instructions, same shall be recovered from his RA Bills along with 5% overheads.	If the vendor arranges rented accommodation for their workers in a nearby area close to the site? Is this permitted by BHEL?	Tender Conditions shall prevail
10	TCC	3.2.2(a)	Construction power (three-phase, 415 V/ 440 V) for office, stores, canteen etc. within the site premises will be provided on chargeable basis near the site at a distance of approx. 500M. Further, distribution shall be arranged by the contractor at his own cost and services.	Pl provided the Unit Charge and demand charges for the office, stores, canteen etc.	Refer the latest DISCOM rates of the state for reference purpose only.
11	TCC	4.0	Tools and Plants: Number of T&Ps to be deployed at site shall be decided w.r.t. monthly plan and review format (F-14) based on site requirement.  APR (As per Requirement)- Contractor has to deploy T&P, MMD, IMTE as per requirement of site and as decided by BHEL Engineer.	As stated in Clause 4.2 of the TCC, M/s BHEL has not specified the number of tools and equipment (T&P) for each of equipment. The minimum quantity is noted as "as per requirement," which creates ambiguity regarding the number of cranes to be deployed on-site <i>It is recommended to specify the quantity of each crane and the duration of its deployment.</i>	Tender Conditions shall prevail  Tender Conditions shall prevail

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
12	TCC	4.2	4.2 Other T&Ps: The following Other Tools & Plants (T&P) shall be arranged by the Contractor for execution of work as per Technical Conditions of Contract of this tender in each package within the quoted rate.	1). Pl provided the deployment period and qty of deployment of each crane.  A). Crawler Crane 75 MT -01 No.	For points (A) to © - Tender Conditions shall prevail.
			SN DESCRIPTION OF OTHER T&PS CAPACITY (MINIMUM) REMARKS	B). A. 35 MT Tyre Mounted Mobile Crane	For point no D)- Refer Clause 4.14
			1 Tyre mounted mobile crane 35 MT As per requirement requirement	will be deployed for the pre-assembly of the	Penalty due to non-availability of
			2 Tyre mounted mobile crane 18 MT As per requirement requirement	inlet and outlet funnels and will be released shortly after the pre-assembly is completed.	T&Ps.
			3 Tyre mounted mobile crane 10 MT As per requirement requirement	C). We request that M/s BHEL consider	
			4         Trailer with prime mover         20 MT         1 Nos         As per requirement           5         Trailer with prime mover         40 MT         1 Nos         As per requirement	using a 15 MT Farana pick-and-carry crane	
			6 Low bed trailer Low bed trailer with min 70-100 feet span NA NA	instead of the 18 MT and 10 MT cranes	
			7 Backhoe Loader/ICB NA NA	because 15 MT Farana is widely used. Please	
			8 Man lifter As Per As Per Requirement Requirement Requirement	consider it pragmatically.  D). Since the man lifter is not heavily utilized in the ESP and FGD areas, does its	
			9 Calibrated Power driven HSFG As per As per bolt tightening machines Requirment requirement As per requirement		
			10 Power Driven Torque tightening As per Requirment Requirement Re	non-deployment attract a penalty? Kindly clarify.	
			11   Torque calibrator   As per Requirment   As per Requirement   As per requirement   As per requirement   Requirement   As per requirement   As per requirement   Requ	clarity.	
13	TCC	4.3.9	In the event of need of change of type of any of major T&Ps, approval shall be taken from BHEL Engineer in-charge prior to mobilization. The decision of Number of T&P required due to replacing the enlisted T&P as per above table, shall be taken after analysing the production	Could you please explain the term "indicative"?	Tender Conditions shall prevail
			capacity and suitability of both the T&Ps.		
14	TCC	4.4.1	T&Ps shown in the above in S.No. 4.2 mentioned list is suggestive requirement. However, mobilization schedule as mutually agreed at site for T&Ps, have to be adhered to. Numbers/time of requirement will be reviewed from time to time at site and contractor will provide required T&Ps/equipment to ensure completion of entire work within schedule / target date of completion without any additional financial implication to		Tender Conditions shall prevail

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
15	TCC	4.3.12	The above list as mentioned in S.No. 4.2 (Other that mentioned in S.No. 4.1 Major T&Ps) is only indicative and these T&Ps may not be required for entire contract period but contractor shall ensure the availability of the T&Ps as per work requirement and T&P Deployment schedule. T&P Deployment schedule shall be finalized at site in consultation with BHEL Engineer based on the work fronts/work requirement. BHEL decision shall be final and binding regarding the T&Ps deployment schedule. Contractor shall mobilize / maintain the T&P's as per the deployment schedule notified time to time by BHEL Engineer.		Refer clause no 4.3.12 for explnation of term "indicative".
16	TCC	4.3.15	If the work related to T & Ps mentioned above is completed then, BHEL can release that T&P during contract period / extended period (if any). However, written permission shall be taken by contractor from BHEL Construction Manager and gate pass formalities shall be followed by the contractor for releasing the T&P.	It has been observed that M/s BHEL required the original documents and bills for all deployed T&Ps at the time of issuing the exit gate pass. This is challenging to arrange after such a long duration. It may be more feasible to provide the Exit Gate pass of T&Ps after verifying the entry documents.	Tender Conditions shall prevail
17	TCC	5.6	The contractor at his cost shall arrange for grouting of anchor points of T&Ps issued to agency. Necessary grout materials are to be arranged by the contractor at his cost.	Is the civil foundation, along with the erection, dismantling, and commissioning of tower cranes, included in the BHEL's scope?	The Civil Foundation is not in bidder Scope. However, assistance required for the Erection and Dismantling of the Tower Crane Shall be provided by bidder as indicated in Sl no 1 of clause no 5.1 of TCC.  Also refer Note of Chapter V of TCC.
18	TCC	2.24.1	The Engineer shall certify to the contractor the date on which the work is completed and the date thereof for commencement of Guarantee Period. Guarantee Period shall be as given in GCC. The work shall be deemed to be completed upon substantial completion of work leaving aside minor pending works/punch point liquidation/defects which are not likely to affect overall performance of the system. The decision of EIC shall be final and binding on the vendor.	The guarantee period should commence with the achievement of milestones such as full load of the unit. This will eliminate ambiguity between BHEL and the agency at site. Please consider it practically.	Tender Conditions shall prevail

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
19	GCC		Even though the work will be carried out under the supervision of BHEL Engineers the Contractor will be responsible for the quality of the workmanship and shall guarantee the work done for a period of Twelve months from the date of commencement of guarantee period as defined in Technical Conditions of Contract, for good workmanship and shall rectify free of cost all defects due to faulty erection detected during the guarantee period. In the event of the Contractor failing to repair the defective works within the time specified by the Engineer, BHEL may proceed to undertake the repairs of such defective works by itself, without prejudice to any other rights and recover the cost incurred for the same along with 5% overheads from the Security Deposit.		Tender Conditions shall prevail
20	TCC	8.2.6	Vendor has to submit GST compliant invoice within the due date of invoice as per GST Law. In case of delay, BHEL reserves the right of denial of GST payment if there occurs any hardship to BHEL in claiming the input thereof. In case of goods, vendor has to provide scan copy of invoice & GR/LR/RR to BHEL before movement of goods starts to enable BHEL to meet its GST related compliances. Special care should be taken in case of month end transactions.	GST amount has to be released along with the payable amount against submitted invoice or after filing the GSTR1	Tender Conditions shall prevail

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
21	TCC	9.0	TECHNICAL CONDITIONS OF CONTRACT (TCC)	Kindly provide the nos of Joints in Piping for CS, SS, and GI. If EWS is available please provide the same.	The Pipelines and the connecting Elbows, Tee etc shall be provided in standard length for the BOQ indicated in the Weight Schedule. Bidder to access the No of Joints vide BOQ provided in Chapter-IX.
22	TCC	10.3 2) LIMESTONE GRINDING SYSTEM:	I. Limestone Storage Silos- Fabrication and erection of Limestone Storage Silos complete with Supporting Steel structure, platforms, Staircase, air canons, power operated gates, gravimeter feeders etc. II. Wet Ball Mill System along with complete accessories will be provided for grinding of Limestone for this Package along with complete accessories.	Will these silos be supplied in preassembled condition? If yes, please also provide the number of segments for each shell.	The Silos are supplied in Segments Namely:-  1) Cylinder of Silo- Maximum 3 rings of average 5 nos of segments in each ring. 2) Ring Beam- Maximum 6 segments. 3) Hopper- Average 26 segments. Including Cone.  The above requirements are provided to bidder to have a rough idea of the package, however the actual segments may vary on approval of the design drawings.

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
23	TCC	10.3 Other Items:	FRP Piping- The Erection Testing and Commissioning of FRP piping in the FGD area is also included in the scope of the contractor, all necessary arrangements required for the completion of the piping including cosumables, special tools and tackles are to be arranged by vendor within the quoted rates.	Based on our previous experience M/s BHEL will arrange a seprate agency for FRP piping .We request M/s BHEL to exclude it from vendor scope of work.	Tender Conditions shall prevail
24	TCC	10.17 Housekeeping/Area Cleaning	The contractor has to do area cleaning on every date on daily basis. Noncompliance of the above cleaning shall call for penal recovery limited to Rs.2000.00 on each instance and at the same time, cleaning of the area shall be done by BHEL at actual cost incurred plus 10% overheads basis. No excuses on this above account shall be entertained by BHEL on whatsoever account. Contractor shall engage separate gangs throughout the contract period, exclusively for proper housekeeping of the site. The contractor has to make necessary arrangements for collection and for bringing down the scrap from all locations and taking them away from the erection areas to various locations as indicated by BHEL Engineer. The house keeping must be a routine and continuous activity in the various work fronts.	We understand that house keeping shall be limited to vendor working area only.	Housekeeping/ Area Cleaning related to the works and the area identified for the works as deifned under the tender shall be in the scope of bidder. The area includes but shall not be limited to Pre Assembly area, meterial storage area and the Erection Work place.
25	TCC	12.7	Complete grouting of structures, equipments, including anchor/ foundation bolts, beneath base, base hollows etc, as may be applicable, is included in the scope of Contractor.	Kindly clarify the scope of grout materials.	Refer complete Clause no 12.7 of TCC for clarity.

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
26	TCC	14.2.15	It shall be the responsibility of the contractor to provide ladders on column for initial works till such time stairways are completed. For this the ladder should not be welded on the column and should be prefabricated clamping type ladders. No temporary welding on any structural member is permitted except under special circumstances with the approval of BHEL. (proposed to make 100 concrete blocks by BHEL and issue on chargeable basis).	Concret Block if required shall be issued by BHEL on returnable basis and It is to be issued free of cost.	Tender Conditions shall prevail
27	TCC	14.3.2	Approach road in the vicinity of ESP, FGD area only, to be maintain by Contractor.	All type of approach road shall be the scope of M/s BHEL with time to time maintanance.	Tender Conditions shall prevail
28	TCC	14.2.4	MIG welding can be used for pre-assembly of funnel walls only and not for casing walls and for ESP Inner Roof and Outer Roof only wherein the plate thickness is upto 5 mm. 14.2.41 MIG welding should not be used for insitu/ erection weldings of ESP funnels.	If M/s BHEL permits we may use it in the Preassembly of funnel plates as well as in the Casing wall.	Tender Conditions shall prevail
29	TCC	14.3.27	The contractor shall fabricate piping, install lube oil systems and carry out the acid cleaning of fabricated piping. The contractor shall also service the lube oil system, carry out the hydraulic test of oil coolers. etc.,	We assume that assistance will only be provided for acid cleaning. M/s BHEL will arrange for a separate agency to handle the acid cleaning. Could you please clarify?	All commissioning activities releated to the systems erected by Vendor are in the scope of vendor until specified otherwise. Vendor to refer chapter-XIV for more clarity.
30	TCC	14.3.5	Fixing of floor grills shall be done by self tapping screws and not by weldable studs. Special purpose electrically operated hand tools are available in the market for this, which drills, taps and fixes the screws in a single operation. Supply of necessary self-drilling-cum-tapping screws and fixing clips are in contractor scope. Contractor shall deploy the drilling cum fixing machine required for this purpose as a regular scope of work.	Supply of necessary self-drilling-cumtapping screws and fixing clips has to be the scope of M/s BHEL.	Tender Conditions shall prevail

Sl. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
31	GCC	2.12.3.1	For initial period of twelve months of extended period, ORC rate applicable over executed value shall be 5%. For every subsequent period of twelve months, ORC rate shall be further increased by 5% over the previous rate. For example, ORC rates applicable for initial period of 12 months and subsequent period of 12 months are given below. This process of increasing ORC rate for each subsequent period of 12 months shall continue till applicability of ORC    SI	The ORC percentage allocated in this tender document is set at 5%, which is insufficient to cover both the monthly rental charges and the site setup costs. For Heavy T&P items, the fixed monthly rental charges should be paid as per current market rental rates. Additionally, the ORC allocation should be increased from 5% to 10% to adequately cover site setup expenses.	Tender Conditions shall prevail
32	GCC	2.12.3.5	The maximum amount of ORC payable for the month shall be limited to Rs. 10,00,000/- (Rupees Ten Lakhs). In case, there is no shortfall attributable to contractor for the month and also contractor has deployed the resources as agreed in Form-14 but ORC amount payable for the month worked out as per procedure mentioned in clause 2.12.3.3, 2.12.3.4 and 2.12.3.5, is less than Rs.1,00,000/-, then ORC amount payable for the month shall be Rs.1,00,000/- otherwise ORC amount payable for the month shall remain same	We request M/s BHEL to increase the minimum and maximum values of the payable ORC amount, as the current amount is insufficient to cover the monthly site expenses and the vendor's fixed costs.	Tender Conditions shall prevail

SI. No	Reference clause of Tender Document	Clause no.	Existing provision	Bidder's query	BHEL's clarification
33	GCC	2.12.4	Applicability of ORC: ORC shall not be applicable for following activities.  i). Area cleaning, removal of temporary structures and return of scrap.  ii). Punch list points / pending points liquidation pending due to reasons attributable to contractor iii). Submission of "As built Drawing" iv). Material Reconciliation v). Completion of Contract Closure formalities like HR Clearance/ No dues from various dept./ Statutory Authorities etc.	=	Tender Conditions shall prevail
34	GCC	2.8.3	ESIC	Is ESIC applicable to this project? Please confirm.	Refer GCC clause no. 2.8.3

#### Note:

- 1) All other terms and conditions against this NIT shall remain unchanged.
- 2) This corrigendum is to be submitted duly signed and stamped along with the Techno-commercial bid (Part- I).

for BHARAT HEAVY ELECTRICALS LTD Sr. Manager/ SCT