



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-20-Sep-24

CORRIGENDUM- 03

PROJECTS	:	2X800MW NTPC LARA STPP-STAGE II
PACKAGE	:	WATER TREATMENT PACKAGES
ENQUIRY NO	:	77/23/6105/SAN Dated 30.08.2024
SUBJECT	:	PRE-BID CLARIFICATIONS + DUE DATE EXTENSION + TECHNICAL AMENDMENT

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

Bidders are requested to go through the following-

- Please refer attached clarification by BHEL against all pre-bid queries raised by prospective bidders. Bidders are requested to comply the same while quoting for this tender enquiry.
- Please refer attached Technical Amendment#2 to Technical Specification.
- Due date is being extended from 20.09.2024 to 30.09.2024 (02.00PM). Bid opening shall be done at 05:00 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

Sanjeev Kumar
Engineer/BOP

PRE -BID CLARIFICATION							
Sl. No	VOLUME	SECTION	CLAUSE NO.	PAGE NO.	SPECIFICATION REQUIREMENT	CLARIFICATION	BHEL REPLY
1	CORRIGENDA02	-	Performance Security (PS)	03 of 40	ii. 5% of the contract value (total Ex-works price excluding PVC) of Supply/Turnkey Packages. Additional 5% of the contract value will be retained from first bill & subsequent bill(s) of the contract for Supply/Turnkey Packages. The retention amount will be released after completion of E&C based on certification by Project Group/Purchaser. However, 5% of the contract value (excluding PVC) will be released on completion of all contractual obligations, including guarantee/warranty obligations of respective package based on certification by Project Group/Purchaser.	We hereby requesting the BHEL to allow the bidder to provide Bank Gaurantee of 5% of contract value valid upto certification of E&C against retention amount. Kindly confirm	As per NIT
2	Priceformat	-	Price Break as per Annex-I	-	Note: Above prices are exclusive of applicable taxes and duties	We hereby understands that in Main Evaluation Sheet cell F9, Bidder to quote the price without taxes and duties . Kindly confirm	Confirmed
3	BOP GCC	16.2.1 a)	a)	2 of 89	LD on mandatory spares - Purchaser reserves the right to recover from the Seller/ Contractor, as agreed liquidated damages if dispatch/delivery of the mandatory spares is delayed beyond the contractual completion date or extension thereof as per the period stipulated in the Order/ Contract and not by way of penalty, a sum equivalent to half (½) percent of the total contract price (mandatory spares) per week or part thereof, limited of ten (10) percent of the total contract price (mandatory spares) excluding GST.	Bidder hereby requesting BHEL to limit the LD to the particular package incase of delay. Kindly confirm	LD shall be applicable package wise
4	BOP GCC	16.2.1	b1)	2 of 89	LD on Supply- Purchaser reserves the right to recover from the Seller/ Contractor, as agreed liquidated damages if dispatch/delivery of the package (Main supply) is delayed beyond the contractual completion date or extension thereof as per the period stipulated in the Order/ Contract and not by way of penalty, a sum equivalent to half (½) percent of the total contract price (main supply) per week or part thereof, limited of ten (10) percent of the total contract price (main supply) excluding GST.	Bidder hereby requesting BHEL to limit the LD to the particular package incase of delay. Kindly confirm	LD shall be applicable package wise
5	BOP GCC	16.2.1	b2)	2 of 89	LD on E&C- Purchaser reserves the right to recover from the Seller/ Contractor, as agreed liquidated damages if E&C completion of the package is delayed beyond the contractual completion date or extension thereof as per the period stipulated in the Order/ Contract and not by way of penalty, a sum equivalent to half (½) percent of the total contract price (supply+ E&C) per week or part thereof, limited to ten (10) percent of the total contract price (supply + E&C) excluding GST.	Bidder hereby requesting BHEL to limit the LD to the particular package with respect to E&C portion incase of delay since already supply is accounted in GCC BOP Clause 16.2.1 b1). Kindly confirm	As per corrigendum-01 to GCC BOP Rev-00

PRE -BID CLARIFICATION							
Sl. No	VOLUME	SECTION	CLAUSE NO.	PAGE NO.	SPECIFICATION REQUIREMENT	CLARIFICATION	BHEL REPLY
6	NIT	-	Annexure-D to NIT for LD	14 of 47	Design & Engineering - As per Clause no-16.2.1 (c) Corrigendum-01 to GCC BOP.	Bidder hereby requesting BHEL to limit the LD to the particular package with respect to Design portion incase of delay. Kindly confirm	As per corrigendum-01 to GCC BOP Rev-00
	BOP GCC	16.2.1	c)	3 of 89	LD on service portion (PG test, O&M, AMC, etc.) where delivery for services are defined separately in the NIT. LD shall be applicable @ ½ percent of the total service portion contract value per week or part thereof limited to ten (10) percent of the total contract value of service portion excluding GST.		
7	BOP GCC	16.2.1	c)	3 of 89	LD on service portion (PG test, O&M, AMC, etc.) where delivery for services are defined separately in the NIT. LD shall be applicable @ ½ percent of the total service portion contract value per week or part thereof limited to ten (10) percent of the total contract value of service portion excluding GST.	Bidder hereby requesting BHEL to limit the LD to the particular package with respect to PG Test portion incase of delay. Kindly confirm	As per corrigendum-01 to GCC BOP Rev-00
8	BOP GCC	16.2.1	c)	3 of 89	LD on service portion (PG test, O&M, AMC, etc.) where delivery for services are defined separately in the NIT. LD shall be applicable @ ½ percent of the total service portion contract value per week or part thereof limited to ten (10) percent of the total contract value of service portion excluding GST.	Bidder hereby requesting BHEL to limit the LD to the particular package with respect to O&M portion incase of delay. Kindly confirm	As per corrigendum-01 to GCC BOP Rev-00
9	BOP GCC	16.2.1	c)	3 of 89	LD on service portion (PG test, O&M, AMC, etc.) where delivery for services are defined separately in the NIT. LD shall be applicable @ ½ percent of the total service portion contract value per week or part thereof limited to ten (10) percent of the total contract value of service portion excluding GST.	Bidder hereby requesting BHEL to limit the LD to the particular package with respect to AMC portion incase of delay. Kindly confirm	As per corrigendum-01 to GCC BOP Rev-00
10	General	-	-	-	Limitation of Liability	Limitations of Liability of contractor is not defined and understands that it is 10% of the contract value. Please confirm.	Refer clause no-12.4 of GCC-BOP Rev-00
11	BOP GCC	27.1	DEFAULT/ BREACH OF CONTRACT, INSOLVENCY AND RISK PURCHASE	43 of 89	In case of delays (beyond the maximum late delivery period as per LD clause) in completion of works or non-fulfilment of any other terms and conditions of the Contract as enumerated subsequently in this clause, then, without prejudice to its right to recover any expenses, losses or damages to which the Buyer may be put to incur or sustain by reason of the Seller/Contractor's default or breach of Order/Contract or to suspend business dealings with the Seller/Contractor in terms of the Buyers' Guidelines for Suspension of Business Dealings as applicable from time to time, the Buyer shall also be entitled to cancel the Order/ Contract either in whole or portion thereof without compensation to Seller.	Bidder hereby requesting BHEL to specify the duration of cure period in which the contractor shall fulfill the requirement / obligations to revoke suspension. Please clarify.	Clause no. 27.0 of GCTC of GCC-BOP is not applicable. Further, refer page no-5 of NIT for Breach of contract, Remedies and Termination
12	BOP GCC	30.4	FORCE MAJEURE	45 of 89	Notwithstanding the above provisions, Purchaser shall reserve the right to cancel the Order/ Contract, wholly or partly, in order to meet the overall project schedule and make alternative arrangements for completion of delivery and other schedules.	Force majeure events specified in BOP GCC is beyond the control of the contractor and hence hereby requesting BHEL to provide additional time and cost incurred at actuals to overcome the situation. Please confirm	As per GCC BOP Rev-00
13	Tendernotice_6	c.	For Category-III Guarantees	110 of 150	Accept the equipment/ system after assessing the deficiency in respect of the various ratings, performance parameters and capabilities and recover from the contract price an amount equivalent to the damages as determined by the NTPC/ BHEL. Such damages shall, however be limited to the cost of replacement of the equipment(s) / system(s) replacement of which shall remove the deficiency so as to achieve the guarantee performance. These parameters/ capacities shall be termed as category - III, guarantees.	Incise of reduced performance of a particular equipment from the guaranteed value after the attempt of repair / modification by the contractor, bidder presume that the amount equivalent to the damaged part / repair charges will be recovered by the BHEL. Please confirm.	Tender specification is clear. Bidder to follow the same.

PRE -BID CLARIFICATION							
Sl. No	VOLUME	SECTION	CLAUSE NO.	PAGE NO.	SPECIFICATION REQUIREMENT	CLARIFICATION	BHEL REPLY
14	NIT	-	Construction Facilities to Vendor	32 of 47	Construction Facilities to Vendor Construction Power is chargeable as per customer contract which can be provided at single point source post establishment of Construction Power grid by PSWR. Further distribution is to be done by concerned vendor.	We understand that the Electricity charge during Construction will be in scope of the bidder and the Electricity charge during Commissioning, PGTR, O&M will be in the scope of the Employer.	Refer BHEL replies to pre-bid queries in corrigendum-02
15	Section - 1 A	-	ANNEXURE-XI OPERATION AND MAINTENANCE	Page 403 of 851	First fill of all type of chemicals (except for H2SO4 for which firm requirement has been mentioned above at S. No. 11)/ consumables etc. shall be in bidder scope.	We understand that the scope of bidder limited to first fill of all the chemicals used in CWT plant. Further all the required chemicals during O&M period will be supplied by BHEL.	Bidder to refer Technical amendment 1 (sl. No.13) included in CORRIGENDUM-02 for scope of chemicals.
16	Section - 1 A	-	ANNEXURE-XI OPERATION AND MAINTENANCE	Page 403 of 851	Total 25-tons of 98% H2SO4 shall also be supplied by the bidder (as its partial first fill in bulk acid storage tanks). Beyond this quantity of Sulphuric acid, BHEL shall provide H2SO4 as required during this O&M period.	We request the employer to specify the quantity of all the chemicals for the first fill, which will be supplied by the bidder.	Bidder to refer Technical amendment 1 (sl. No.13) included in CORRIGENDUM-02 for scope of chemicals.

PRE -BID CLARIFICATION							
CORRIGENDA02: Sl. No	VOLUME	SECTION	CLAUSE NO.	PAGE NO.	SPECIFICATION REQUIREMENT	CLARIFICATION	BHEL REPLY
1	NIT	-	Format for Local Content Certificate as per latest MII Order	41 of 47	Further, cost of locally imported items (inclusive of taxes) sourced locally from resellers/ distributors is Rs and cost of licence/royalty paid/technical expertise cost etc. source from outside of India is Rs.....	CORRIGENDA02: Since this is condition of MII Order from Govt of India. Bidders to submit documents as per NIT Queries: We hereby understands that bidder has to quote only the percentage of cost for locally imported items and source from outside of India and no cost has to mention anywhere in the technical document. Please confirm.	The cost of items can be given in terms of absolute value i.e. in INR or in terms of % of total quoted cost.
7	Tendernotice_9	8.01.00	DOCUMENTS, DATA AND DRAWINGS TO BE FURNISHED BY CONTRACTOR	680 of 851+A5:F5	Bidders may note that this is an EPC Package contract.	CORRIGENDA02: Bidder to note that Cl. No. 8.01.00 is general technical requirement, however bidder to refer specific technical requirements (Section I) for scope of work. Further, bidder to refer relevant portion of General technical requirements for bidder's scope of work. As per Tendernotice_5; Clause 13.3; Page: 111 of 150 - "Total Civil work is in BHEL scope of work. However, the detailed civil assignment drawings shall be furnished by successful bidder during detailed engineering." Queries: Bidder hereby understands that the scope of Civil structural design is in BHEL Scope. Civil Assessment drawing means general arrangement drawings which shall be shared by the contractor. Please confirm.	Bidder to refer cl. no. 13.12.10 & 13.12.11 at page no 116 of 851 w.r.t. PT plant and CHP run off water treatment package in technical specification for civil design scope. Further, civil design of balance packages (DMP, ETP, STP, CWT, CLO2, CDS, CPU, ODS & LDS) shall be done by BHEL based upon mechanical input drawing (civil assignment drawing) provided by bidder during detailed engineering..
7	Tendernotice_9	8.01.00	DOCUMENTS, DATA AND DRAWINGS TO BE FURNISHED BY CONTRACTOR	680 of 851+A5:F5	Bidders may note that this is an EPC Package contract.	CORRIGENDA02: Bidder to note that Cl. No. 8.01.00 is general technical requirement, however bidder to refer specific technical requirements (Section I) for scope of work. Further, bidder to refer relevant portion of General technical requirements for bidder's scope of work. As per Tendernotice_5; Clause 13.3; Page: 111 of 150 - "Total Civil work is in BHEL scope of work. However, the detailed civil assignment drawings shall be furnished by successful bidder during detailed engineering." Queries: Bidder hereby understands that the scope of Puddles, Structural steels for pipe supports, Insert plants, Angles etc. as per technical requirements of Tender is in bidder's Scope. Structural steel for buildings shall be in the scope of BHEL. Please confirm.	Structural steel required for building shall be in BHEL scope. However, scope of insert plates, angles, puddle pipe, structural steel for pipe support etc. are already included in bidder's scope in different clauses such as 13.12.1 (page no. 116 of 851) 13.12.7 (page no. 116 of 851), 13.12.17 (page no. 116 of 851), 13.12.24 (page no. 117 of 851), 13.12.25 (page no. 117 of 851)

S.No.	Page	Clause	Title	Clarifications	BHEL REPLY
1	399 of 851	1	O&M Services of CW Treatment Plant	<p>In the first paragraph, it is defined that O&M shall start after successful completion of PG Test of CW System for all the units at full load.</p> <p>In the second paragraph, it is defined that start date of O&M shall start tentatively one (1) month after satisfactory commissioning of CWTP.</p> <p>As per our understanding, O&M shall start one (1) month after satisfactory commissioning of CWTP. Please confirm.</p>	<p>Technical specification requirement indicated under Cl. No. 1/ Page No. 399 of 851:</p> <p>The Bidder's scope covers the Operation and Maintenance (O&M) services for one (1) year CW Treatment Plant O&M shall start after successful completion of PG test of CW System for all the units at full load. Bidder to note that O&M activities of both the units will be staggered and time gap from Unit#1 to Unit#2 may please be considered as 6 months.</p> <p>Start date of O&M shall be intimated separately by BHEL site and will be tentatively 1 month after satisfactory commissioning of CWTP.</p> <p>Bidder to may please read above technical specification requirement as:</p> <p>The Bidder's scope covers the Operation and Maintenance (O&M) services of CW Treatment Plant for one (1) year. O&M shall start after PG test of complete CW System. Bidder to note that O&M activities of both the units will be staggered and time gap from Unit#1 to Unit#2 may please be considered as 6 months.</p> <p>Start date of O&M shall be intimated separately by BHEL site.</p>



**AMENDMENT TO TECHNICAL SPECIFICATION FOR
WATER TREATMENT PACKAGES
LARA SUPER THERMAL POWER PROJECT STAGE-II
(2X800 MW)**

BHEL DOCUMENTS NO.: PE-TS-508-404-W001

TECHNICAL AMENDMENT NO # 2

REV. NO. 00

DATE: 20-Sep-24

Page 1 of 3

The following modifications with respect to Technical Specification for Water Treatment Packages for LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW), BHEL's Technical specification no PE-TS-508-404-W001 shall apply.

Bidder to note that existing clauses as appearing in the specification stands modified. Bidder to note and follow the same.

MODIFIED CLAUSES.

SL NO.	SECTION	SUB-SECTION/ DESCRIPTION	CLAUSE NO	PAGE NO	EXISTING	ADDITION/ MODIFICATION
1.	-	-	-	-	LETTER OF TECHNICAL SUPPORT FOR CONDENSATE POLISHING UNIT	Bidder to refer revised "LETTER OF TECHNICAL SUPPORT FOR CONDENSATE POLISHING UNIT" for bidder adherence" attached as Annexure I
2.	I	Section – IA/ ANNEXURE-XI OPERATION AND MAINTENANCE	1	403 of 851	The Bidder's scope covers the Operation and Maintenance (O&M) services for one (1) year CW Treatment Plant O&M shall start after successful completion of PG test of CW System for all the units at full load. Bidder to note that O&M activities of both the units will be staggered and time gap from Unit#1 to Unit#2 may please be considered as 6 months. Start date of O&M shall be intimated separately by BHEL site and will be tentatively 1 month after satisfactory commissioning of CWTP.	Bidder to please read this technical specification requirement as: The Bidder's scope covers the Operation and Maintenance (O&M) services of CW Treatment Plant for one (1) year. O&M shall start after PG test of complete CW System. Bidder to note that O&M activities of both the units will be staggered and time gap from Unit#1 to Unit#2 may please be considered as 6 months. Start date of O&M shall be intimated separately by BHEL site.
3.	I	Section – IA/ ANNEXURE-XI OPERATION AND MAINTENANCE	11	403 of 851	Total 25-tons of 98% H ₂ SO ₄ shall also be supplied by the bidder (as its partial first fill in bulk acid storage tanks). Beyond this quantity of Sulphuric acid, BHEL shall provide H ₂ SO ₄ as required during this O&M period.	Stands deleted
4.	I	Section – IA/ ANNEXURE-XI OPERATION AND	13	403 of 851	First fill of all type of chemicals (except for H ₂ SO ₄ for which firm	Stands deleted



**AMENDMENT TO TECHNICAL SPECIFICATION FOR
WATER TREATMENT PACKAGES
LARA SUPER THERMAL POWER PROJECT STAGE-II
(2X800 MW)**

BHEL DOCUMENTS NO.: PE-TS-508-404-W001

TECHNICAL AMENDMENT NO # 2

REV. NO. 00

DATE: 20-Sep-24

Page 2 of 3

		MAINTENANCE			requirement has been mentioned above at S. No. 11)/ consumables etc. shall be in bidder scope.	
5.	I	Section – IA	10.2.5	76 of 851	600 NB of Minimum 1350-meter piping from Supernatant Transfer Pump to Cooling Tower basin (Cooling Tower area). (Refer Detail of Piping Length for Treated Water Indicated in P&ID of Coal Handling Plant Run-Off Water Treatment System).	Bidder to please read this technical specification requirement as: 600 NB of Minimum 1400-meter piping from Supernatant Transfer Pump to Cooling Tower basin (Cooling Tower area). (Refer Detail of Piping Length for Treated Water Indicated in P&ID of Coal Handling Plant Run-Off Water Treatment System).
6.	I	Section – IA	10.2.6	76 of 851	300 NB of Minimum 650 meter piping up to Waste Service Water Sump (ETP Area). (Refer Detail of Piping Length for Treated Water Indicated in P&ID of Coal Handling Plant Run-Off Water Treatment System).	Bidder to please read this technical specification requirement as: 300 NB of Minimum 50 meter piping up to Waste Service Water Sump (ETP Area). (Refer Detail of Piping Length for Treated Water Indicated in P&ID of Coal Handling Plant Run-Off Water Treatment System).



**AMENDMENT TO TECHNICAL SPECIFICATION FOR
WATER TREATMENT PACKAGES
LARA SUPER THERMAL POWER PROJECT STAGE-II
(2X800 MW)**

BHEL DOCUMENTS NO.: PE-TS-508-404-W001

TECHNICAL AMENDMENT NO # 2

REV. NO. 00

DATE: 20-Sep-24

Page 3 of 3

ANNEXURE -I

LETTER OF SUPPORT FOR CONDENSATE POLISHING UNIT

FORMAT FOR FILLING THE DETAILS OF PROVENNESS

**LETTER OF SUPPORT FOR SATISFACTORY PERFORMANCE OF
(EQUIPMENT/SYSTEM NAME) FOR
LARA STPP-II STPP (2X800MW)**

TO

[EMPLOYER'S NAME & ADDRESS]

Sub: Letter of Technical Support submitted From (name of the Associate*/Collaborator*/ Technology provider* / Licensor* / Holding Company*) undertaking the responsibility for satisfactory performance of(Name of the equipment/system*).

Dear Sirs,

1. In accordance with the Award of the Contract by (Name of the Contractor) to M/s. (Name of the sub-vendor), we, the aforesaid Associate*/Collaborator*/Technology provider*/Licensor*/Holding Company, (M/s) shall be fully responsible for the satisfactory performance of the(Name of the equipment/system*).
2. Further, the manner of achieving the objective set forth in point 1 above shall be as follows
For (Name of the equipment/system*):
 - (a) We shall be fully responsible for design, engineering & commissioning and extending all necessary support for putting in to satisfactory operation and carrying out the Guarantee Tests for(Name of the equipment/system*) to the satisfaction of the Employer.
 - (b) We shall depute technical experts to Bidder's/sub-vendor's works for supervision during manufacturing, assembly, inspection, as and when required by Employer. We shall participate in site erection, commissioning and final testing (as and when necessary) of the.....(Name of the equipment/system*).
 - (c) We shall participate in Technical Co-ordination meetings (TCMs) from time to time, as and when required by Employer.
 - (d) We shall promptly carry out all the corrective measures and shall promptly provide corrected design and shall undertake replacements, rectifications or modifications to the equipment/system* as and when required by Employer in case the equipment/system* fails to demonstrate successful performance as per contract at site.
3. We, the Associate*/Collaborator*/Technology provider*/Licensor*/Holding company* do hereby undertake and confirm that this Letter of Technical Support shall be valid for a period of seven (7) years or up to the end of defect liability period of the contract, whichever is later.

Signature of the Authorised Representative:.....

For M/s

(Associate*/Collaborator*/Technology provider*/Licensor*/Holding company)

Name

Designation

Date:.....

Common Seal of the Company

***: Strike off whichever is not applicable.**

Signature of authorized signatory.....