



ENQ. NO. **PE/PG/ENI/E-5545/2017**

DATE: 03/04/2017

NIT

DUE DATE

25/04/2017

10:00AM (IST)

Subject: OPEN Tender Enquiry of CHEMICAL DOSING SYSTEM as per Technical Specification/s No. PE-TS-412-154-A001, R01 FOR 2x660MW ENNORE SEZ STPP

BHEL invites offer from reputed Vendors (Refer pre-qualifying requirements enclosed in the Tender Documents uploaded on our websites www.bhelpem.com, www.bhel.com & CPP portal (www.eprocure.gov.in) for CHEMICAL DOSING SYSTEM of 2x660MW ENNORE SEZ STPP. Detailed scope of work & equipment details shall be as per technical specification PE-TS-412-154-A001, R01 & other details hosted on above indicated BHEL-websites.

Your offer shall be submitted in two parts strictly as per Clause-2.0 of the "Instructions to Bidders" of GCC, Rev. 06 in quintuplicate (5 sets), in sealed covers for the below mentioned equipment/system.

ITEM DESCRIPTION – CHEMICAL DOSING SYSTEM	
Project	Technical Specification no.
2x660MW ENNORE SEZ STPP	PE-TS-412-154-A001, R01

Your best quotation/offer for the above requirement, in line with our terms and conditions (hosted on our website, as indicated above), should either be delivered in person or sent by COURIER/REGISTERED or SPEED POST, to the following address only:

Tender Room

Bharat Heavy Electricals Ltd.

Project Engineering Management

PPEI Building, HRD & ESI Complex,

Plot No. 25, Sector – 16A,

NOIDA – 201 301 (U.P.)

Attention: 1) ANIL KUMAR PANDEY , Dy. Manager / (PG-II-2)

E-MAIL: apandey@bhelpem.co.in

Ph. No. 0120-4213528

ANIL KUMAR PANDEY/PG-II-2
BHEL/PS-Project Engineering Management,
Power Project Engineering Institute,
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It shall be the responsibility of the bidder to ensure that the tender is delivered on or before the due date by 10:00 AM (IST). The offer has to be deposited in tender box only. Part-I bids shall be opened at 11:00 AM (IST) on the due date in the presence of authorized representatives of the bidders, who may like to be present.

Note: Tenderer must submit UN-PRICED price format duly filled mentioning the word "QUOTED" in place of actual price. The actual price is to be filled in separately and submitted in sealed price bid as mentioned in enquiry terms and conditions under.

Important Note to be considered by All Bidders:

The offers of the bidders who are on the banned list as also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site http://www.bhel.com/vender_registration/vender.php

INSTRUCTIONS REGARDING CENTRALISED TENDER ROOM:

- A. The dispatch department shall not accept any tender in torn condition and return the same with the Stamping "Returned to Sender-Package Damaged". Offers in damaged condition will not be considered and no request for extension on this account will be considered.
- B. Bidder's representative shall deposit the offer in tender box only.
- C. Bidders shall be allowed in the tender room in area identified for bidders and only one authorized representative (with authorization letter) from each bidder shall be allowed.
- D. Bidder shall not be allowed to carry mobile/camera/ laptop in the tender room. The same shall have to be deposited at security in advance and taken back after tender opening.
- E. Details of offers shall be read out to bidders and in no case the offers shall be handed over to any of the bidders for noting down.
- F. Please ensure tender submission, minimum 1 hour before scheduled tender opening time. Late tenders shall not be accepted.

DELIVERY SCHEDULE:

Main Supply (along with commissioning spares): Within six (06) months from the date of all documents approval in Cat-I subject to documents submission by vendor within weeks as indicated in attached annexure-VII of Tech.Spec.-PE-TS-412-154-A001,R01 and every re-submission within Ten (10) days after incorporating all BHEL/Customer comments. In case there are delays of

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submission/resubmission from given schedule, that much days of delay would be reduced from delivery period.

Mandatory Spares and Tools & tackles (if any) are to be delivered along with the last consignment of main supply within the contractual delivery period.

TERMS AND CONDITIONS:

- 1) Bidders are advised to go through the GCC Rev-06 <http://bhhelpem.com/Documents/GCC/GCC-Rev.06.pdf> while submitting the offers.
- 2) Enquiry No. due date etc. must be legibly super scribed on the sealed envelopes as per clause no.2.0 of "Instruction to Bidders". Offers should be submitted in two parts in two separate sealed covers as follows:

Part-I: **TECHNO-COMMERCIAL BID** Part-II: **PRICE BID**

For detailed instructions, please see clause no.2.0 of "Instruction to Bidders" (GCC Rev-06)

- 3) Bidders have to note that Integrity Pact is not applicable.
- 4) **Pre-Qualifying Requirements:**
Bidders have to provide the required details/supporting documents as per following PRE-QUALIFICATION REQUIREMENTS in their Techno-Commercial offer. Bids of only those bidders shall be evaluated who meet the bellow mentioned Pre-Qualifying Requirements.
 - a. "TECHNICAL PRE-QUALIFICATION REQUIREMENTS FOR CONTROL VALVE"
(Enclosed as NIT Tender Documents),
 - b. "GENERAL POINTS OF PQR" available at <http://bhhelpem.com/vensection/PMD/PMD.aspx>
- 5) Bidders have to submit their offers in line with clause no. 2.0 of "Instructions to Bidders" of GCC Rev. 06.
- 6) Seller/ Contractor shall not dispatch any material before issue of MDCC by BHEL/ CUSTOMER. For details refer clause no. 15.0 of "General Commercial Terms & Conditions" of GCC Rev. 06.
- 7) Bidders have to note that TERMS AND CONDITIONS of the tender shall be as per Notice Inviting Tender (NIT) conditions, Special Conditions of Contract (SCC Rev-01) of Project & General Conditions of Contracts (GCC, Rev. 06).
Order of precedence shall be as per clause NO. 35.0 Of GCC Rev. 06 (GENERAL COMMERCIAL TERMS & CONDITIONS).
- 8) Bidders have to note that this is a conditional OPEN Tender enquiry. Price bid (Part-II) opening/RA

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participation of those bidders, who are not approved by Customer, shall be subjected to following:

- A. Approval of bidder by the customer. Same shall be taken up by BHEL with the customer based on the credentials/reference list being submitted by the bidder.
- B. Clause no. 2.2 of GCC Rev06.

9) Any hidden conditions/deviations mentioned elsewhere in offer and Standard pre-printed Terms & Conditions of the tender shall not be considered valid.

10) Unsolicited Fresh/Revised Price Bids shall not be entertained.

11) Purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any/all tender(s) in part or full without assigning any reason whatsoever.

12) Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment/Items will be dispatched only after Purchaser's/Owner's inspection at the hold points specified in the approved Quality Plan and issue of Material Dispatch Clearance Certificate (MDCC).

13) Reverse Auction:

"BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non consideration of their bids, in case BHEL decides to go for RA.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

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If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com)."

Link for RA guidelines to be followed as :

http://www.bhel.com/vender_registration/pdf/Guidelines%20for%20Reverse%20Auction-2016.pdf

IMPORTANT INSTRUCTION TO BIDDERS IN CASE OF REVERSE AUCTION

The Bidders has to quote the Single Price (i.e. Total Cost to BHEL) in Reverse Auction. Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, ED + cess, CST against C-form/VAT, Freight as applicable, insurance charges, etc. including loading (if any). De-loading (if any) shall be done in line with SCC of the project.

Following Condition in Reverse Auction shall be treated as follows:

Case-I (Taxes & duties and freight are identical in Reverse Auction & Conventional Price Bid)

Resolution: - Ordering shall be done on lower of the two bids (RA closing price & Conventional Price Bid). After successful completion of reverse auction L1 bidder shall be asked to submit break up in line with taxes & duties, freight quoted in their Conventional Price Bid.

Case-II (In case Bidder has quoted 'CST' in Conventional Price Bid and applicable Tax is 'VAT')

Resolution: - "Total Cost to BHEL shall be maintained by reducing proportion amount in Ex-works quoted by Bidder".

Case-III (In case Bidder has quoted 'VAT' in Conventional Price Bid and applicable Tax is 'CST')

Resolution: - Conventional Bid/RA quoted Prices shall be reduced and CST will be allowed.

Statutory variation shall be applicable.

Any new tax structure (like Goods & Services Tax) as and when implemented by the Government shall become applicable in addition to or in lieu of existing tax structure.

Note: - Applicable taxes & duties shall be determined as per location of works of bidder.

14) CIF is not available for this package.

15) PVC shall not be applicable.

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- 16) Indian bidders/Foreign bidders for Indigenous Supplies, Bidders have to quote freight charges in percentage of quoted Total Ex-works prices. Bidder to mention the percentage of freight (of total Ex-works) in their un- priced bid.
- 17) Evaluation will be done on overall L1 (Total cost to BHEL) basis with necessary loadings As applicable. Bidders have to refer SCC & GCC.
- 18) Bidders to note that offers shall be submitted strictly in accordance with the requirements of the all the enclosed Tender Documents along with post-bid agreements/MoMs (during Techno-Commercial evaluation) shall automatically become the part of the Order/Contract after its finalisation.
- 19) It is not a condition for submission of bid. However, if new supplier wishes to apply for registration they have to apply through Online Registration Portal only as per below procedure:-
- “Online Registration Portal is operational in BHEL. Non-registered Vendors, who wish to apply for registration with BHEL-PEM, have to apply through Online Registration Portal available at www.bhelpem.com \ vendor section \ Online Supplier Registration.
- All credentials and/or documents duly signed and stamped related to registration has to be uploaded on the website and submit the application for registration. One set of hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted.
- 20) Foreign bidders quoting along with their Authorised Indian associates to comply with BHEL corporate circular AA: MM: AGENCY dated 06th August 2010 for the guidelines regarding dealings with Indian agents of foreign bidders (as enclosed).
- 21) All corrigenda, addenda, amendments, time extensions, clarifications, etc. to the tender will be hosted on BHEL website (www.bhel.com) & BHEL-PEM website (www.bhelpem.com) only. Bidders should regularly visit websites to keep themselves updated.
- 22) Deviations (Commercial as well as Technical) from NIT are generally not acceptable. Deviations, if any, are to be listed out clearly, as per Annexure-II, of GCC Rev06, in techno-commercial offer. Any deviation mentioned or shown separately or found hidden in offer, will not be taken cognizance of.

In case of deviations from NIT, the bidders shall give cost of withdrawal of such deviation in Sealed Cover as per **Annexure-II, Deviation Sheet (Cost of Withdrawal) as per GCC Rev-06.**

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23) Foreign and indigenous bidders participating in subject tender will necessarily have to buy class III DSCs (Digital Signature Certificate) issued by the certifying authorities in India. Basic procedure /checklist are uploaded on www.bhel.com for participating in future tender enquires through e procurement.

24) As per Corporate Material Management Ref No. AA: MM: Logistics Dated 14.09.2015 (Circular No 15 of 2015-16), Units & Regions are advised to import all items on C&F/CIF basis.

As per 'BHEL Fraud Prevention Policy' Clause No 10.1 to be added in all the NITs to comply the BHEL fraud prevention policy.

In view of above, it is proposed to incorporate following two conditions in the NIT.

1. Indigenous bidders to quote on F.O.R site basis and foreign bidders to quote C&F Mumbai Sea port basis (Insurance shall be in BHEL scope as per clause no 17.0 of GCC-REV-06). However, F.O.R site price for foreign bidders will be calculated by loading their C& F Mumbai Sea port price as per GCC Rev.06.

2. The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice."

25) Joint Bidding: In case of joint bidding please note following:-

- A) Consent letter is required for acceptance of part order by foreign bidder and balance by Indian vendor. Total overall responsibility including submission of BG of the contract shall be the foreign bidder.
- B) Bidders to furnish scope matrix which should be clearly defined between foreign bidder and their Indian representative along with the offer for the Main Supply and Erection & Commissioning.

26) All correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address :

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Ph. No. 0120-4368597

NOTE: In case you are not making an offer against this enquiry, you are requested to send a regret letter so as to reach us on or before the due date & time.

Thanking You.

Yours faithfully,

For and on behalf of BHEL

ANIL KUMAR PANDEY, DY.MGR/ (PG-II-2)

Enclosures: (Bidders to note that following documents are the part of Tender Documents)

- I. GCC Rev 06(Available on <http://bhhelpem.com/Documents/GCC/GCC-Rev.06.pdf>)
- II. Technical Specification
- III. BOQ CUM Price Schedule-(Prices should be quoted strictly in this format only)
- IV. Special conditions of contract Rev-01
- V. Technical PQR.
- VI. BHEL Corp. Cir. for Indian Associate of Foreign Supp. AA: MM: AGENCY Dt. 06th Aug. 2010.
- VII. Annexure II – Deviation Sheet (COST OF WITHDRAWAL)
- VIII. BHEL Fraud Prevention Policy
- IX. BHEL corporate circular AA: MM: LOGISTICS dated 14th Sept 2015
- X. BG FORMAT

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	TITLE:	SPECIFICATION NO. PE-TS-412-154-A001
	2 X 660 MW ENnore SEZ SUPERCRITICAL	SECTION I
	TPP	SUB SECTION - I A
	TECHNICAL SPECIFICATION FOR CHEMICAL DOSING SYSTEM	REV.NO. 01 DATE : 15.03.2017

DRAWING/ DOCUMENTS SUBMISSION SCHEDULE

After award of LOI, following minimum drawing/ documents shall be submitted by the bidder for BHEL and Customer approval. However any additional drawing/document if found necessary for completion of the engineering, the same shall be submitted by bidder without any commercial & delivery implication to BHEL.

For the Drawings/ Documents Distribution procedure, please refer Annexure-III. The submission of soft copy or hard copy of the drawing/document whichever is later will be considered as final date of submission of the drawing/ documents. The bidder has to submit the revised drawing/document along with the compliance sheet indicating enumerate reply to all BHEL and customer comments or observations. Without compliance sheet the submission of the drawings/ documents will not be considered and the delay on this account will be solely on bidder's side only. Bidder to comply with the observations of the BHEL and CUSTOMER without price & delivery implication.

Bidder to further note that drawings submitted shall be complete in all respects with revised drawing submitted incorporating all comments. Any incomplete drawing submitted shall be treated as non-submission with delays attributable to bidder's account. Engineering meeting shall be held fortnightly, for which the bidder shall depute his concerned engineer along with project manager to BHEL PEM office or at customer office. The meeting can also be held at site.

List and schedule of drawings/documents to be submitted after award of contract:-

S. No.	Drawing/ document No.	Drawing/ document Title	No. of weeks for drawing/ document submission after placing LOI/ PO
1.	PE-V0-412-154-A001	P&I DIAGRAM FOR CHEMICAL DOSING SYSTEM	2
2.	PE-V0-412-154-A002	TECHNICAL DATA SHEET-CHEMICAL DOSING SYSTEM	4
3.	PE-V0-412-154-A003	GA DRAWING & FOUNDATION DETAILS	2
4.	PE-V0-412-154-A004	LOCAL CONTROL PANEL (INCLUDING WIRING DIAGRAM, LOGIC DIAGRAM AND FIELD TERMINATION DETAILS) - CDS	4
5.	PE-V0-412-154-A005	QAP FOR CHEMICAL DOSING SYSTEM	2
6.	PE-V0-412-154-A006	O&M MANUAL FOR CHEMICAL DOSING SYSTEM	16

NOTES:-

- Document approval by customer under Approval category or information category shall not absolve the vendor of their contractual obligations of completing the work as per specification requirement. Any deviation from specified requirement shall be reported by the vendor in writing and require written approval. Unless any change in specified requirement has been brought out by the vendor during detail engineering in writing while submitting the document to customer for approval, approved document (with implicit deviation) will not be cited as a reason for not following the specification requirement.
- In case vendor submits revised drawing after approval of the corresponding drawing, any delay in approval of revised drawing shall be to vendor's account and shall not be used as a reason for extension in contract completion. However, in case changes are necessitated due to any constraints at customer end, delay in review/ approval of such revised drawing beyond one month will be to customer's account.
- Bidder to note that drawings/documents submission shall be through web based Document Management System. Bidder would be provided access to the DMS for drawings/documents approval and adequate training for the same. Detailed methodology would be finalized during the kick-off meeting. Bidder to ensure following at their end.
 - Internet explorer version – Minimum Internet Explorer 7

	TITLE:	SPECIFICATION NO. PE-TS-412-154-A001
	2 X 660 MW ENNORE SEZ SUPERCRITICAL TPP	SECTION I
	TECHNICAL SPECIFICATION FOR CHEMICAL DOSING SYSTEM	SUB SECTION - I A
		REV.NO. 01 DATE : 15.03.2017

- b) Internet speed – 2 mbps (Minimum preferred)
- c) Pop ups from our external DMS IP (124.124.36.198) should not be blocked
- d) Vendor's internal proxy setting should not block DMS application's link
(<http://124.124.36.198/wrenchwebaccess/login.aspx>)
- e) DMS user manuals to be used by BHEL PEM vendors for uploading, viewing, revising, commenting and tracking documents on PEM's DMS have been uploaded on PEM internet website (www.bhelpem.com) under the Vendor session.
- f) For quick access bidder may refer the link <http://bhelpem.com/DMSManuals/DMSManuals.html>

Signature