

TENDER ENQUIRY

Volume – IA: Technical Bid

Dear Sir,

Sealed offers are invited by the undersigned on behalf of BHARAT HEAVY ELECTRICALS LIMITED for the subject job. Please find enclosed tender documents as per following details:

Tender No: 1403066 Date 10-11-2014 Comprising of following:

Salient Details of NIT		
S. No.	Issue	Description
1.0	Description	Supply of Ammoniated EDTA (Min 40% WT/WT as active EDTA, pH = 9.4 to 9.8, Sp gr - 1.18, Colour - Straw Yellow, Completely mixable in Water) to Amravati Unit # 5
2.0	Quantity Required	25 MT
3.0	Place of delivery	BHEL Site Office – Amravati Unit # 5
4.0	Enquiry No & Date	1403066 & Dt. 10.11.2014
5.0	Details of Tender Document	
5.1	Volume – IA	Technical Bid – (Pre-Qualification Criteria & Technical Specification)
5.2	Volume - IB	General Conditions of the Contract
5.3	Volume - II	Price Bid
6.0	Tender Due Date	Last date of submission of offer is 24-11-2014 Time : 15.00 Hrs Opening of Tender 24-11-2014 Time : 15.30 Hrs Notes: (1) In case the due date of opening of tender becomes a non-working day, then the due date & time of offer submission and opening of tenders get extended to the next working day. (2) Bidder may depute representative to witness the opening of tender

The offer shall be submitted as per the instructions of tender document and as detailed in this NIT. Bidders to note specifically that all pages of tender document, including these NIT pages of this particular tender together with subsequent correspondences shall be submitted by them, duly signed & stamped on each page, as part of offer. Rates/Price including discounts/rebates, if any, mentioned anywhere/in any form in the techno-commercial offer other than the Price Bid shall not be entertained.

**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR WESTERN REGION, NAGPUR**

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DT.10.11.2014

DUE DATE: 24.11.2014

Complete set of offer shall be sent to BHEL PSWR, Nagpur as per address given below as per following details.

I. Procedure for Submission of Tenders:

a) COVER-I (TECHNO-COMMERCIAL BID) – in sealed envelope	
A	Offer forwarding/covering letter of the Tenderer
B	Duly filled-in 'No deviation certificate' as per prescribed format. In case of any deviation, the same should be submitted separately for technical & commercial parts, indicating respective clauses of tender against which deviation is taken by bidder. It shall be specifically noted that deviation recorded elsewhere shall not be entertained.
C	Techno-commercial offer enclosing supporting documents meeting Pre Qualifying Criteria / annexures / schedules etc as required in line with prescribed format. It shall be specifically noted that all documents as per above shall be indexed properly.
D	All volumes of tender document pertinent for the subject job including NIT together with subsequent changes in the tender, correspondences etc, signed on all pages.
b) COVER-II (PRICE BID) – in sealed envelope	
c) COVER-III All two aforesaid covers in sealed condition shall be enclosed in this cover. All covers shall be super-scribed with i. Cover No. ii. Details of enclosed Covers iii. Name of the job, tender document no. & due date of submission. ALONG WITH NAME & COMPLETE ADDRESS (FAX NO. CONTACT NOS) OF BIDDER and should be addressed to AGM / Purchase Bharat Heavy Electricals Limited PSWR Shree Mohini Complex 345 Kingsway Nagpur – 440001 Maharashtra	

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SPECIAL NOTE:

1. Bidders' offer documents shall be paginated, signed and stamped in each page by their authorized representative. No overwriting / correction in tender documents by bidders shall be allowed. However, if correction is unavoidable, the same may be signed by authorized signatory.
All documents / annexure submitted with the offer shall be properly annexed and placed in respective places of the offer as per enclosure list mentioned in the covering letter. BHEL shall not be responsible for any missing documents.
2. BHEL reserves the right to accept or reject any or all Offers without assigning any reasons thereof. BHEL also reserves the right to cancel the Tender wholly or partly without assigning any reason thereof. Also BHEL shall not entertain any correspondence from bidders in this matter.
3. BHEL also reserve the right to reject the bidder with unsatisfactory past performance in the execution of a contract. BHEL's decision in this regard shall be final & binding.
4. You are free to visit the site and study the prevailing site condition including law & order etc. before quoting.
5. For any clarification on the tender document, you may seek the same in writing from the office of the undersigned. Such letters should reach the office of the under signed positively by 20-11-2014
6. BHEL may decide holding pre-bid conference (PBC) with any/ all the intending bidders. On such communication from BHEL, the bidder shall ensure participation for the same at the appointed time, date and place as may be decided by BHEL.
7. Price bids of those bidders will be opened who will be qualified for the subject job on the basis of evaluation of Techno-commercial bids / pre-qualifying criteria and as considered suitable by BHEL.
8. While BHEL reserves the right to open the price bid of the offers in camera, the date & time to open the tender opening shall be intimated to the bidders in case BHEL decides it to be 'Public opening' and in such a case, one authorized representative of the bidder shall be allowed to attend.

9. Order of Precedence

In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below:

- a. Amendments/Clarifications/Corrigenda/Errata etc issued in respect of the tender documents by BHEL
- b. Notice Inviting Tender (NIT)
- c. Price Bid – Volume - II
- d. Technical Conditions of Contract (TCC)—Volume-IA
- e. General Conditions of Contract (GCC) —Volume-IB

It may please be noted that guidelines/rules in respect of suspension of business dealings', 'Vendor evaluation format' etc may undergo change from time to time and the latest one shall be followed.

Thanking you,

for Bharat Heavy Electricals Ltd

AGM/Purchase

**BHARAT HEAVY ELECTRICALS LIMITED
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II. Pre-Qualification Criteria

QUALIFICATION REQUIREMENT FOR AMMONIATED EDTA			
S. NO	PRE QUALIFICATION CRITERIA	Bidders claim in respect of fulfilling the PQR Criteria	
		Name and Description of qualifying criteria	Page no of supporting document.
A	<p><u>Technical</u></p> <p>Bidder must have executed following works {i.e. Bidder must be a Manufacturer of EDTA and meet (A.1)} in the last THREE (3) years as on latest date of bid submission:-</p> <p>A.1) Bidder must have supplied 20 MT or more of EDTA in a maximum of two purchase orders.</p>	APPLICABLE	
B-1	<p><u>Financial Turnover</u></p> <p>Bidders must have achieved an average annual financial turnover (Audited) of Rs.16 Lakhs or more over last three Financial Years (FY) i.e. 2011-12, 2012-13, 2013-14 if 2013-14 is audited or 2010-2011, 2011-2012, 2012-2013 if Annual Accounts for FY 2013-14 are not audited.</p>	APPLICABLE	
B-2	<p><u>NETWORTH (only in case of Companies)</u></p> <p>Net worth of the Bidder based on the latest Audited Accounts as furnished for 'B-1' above should be positive</p>	APPLICABLE	
B-3	<p><u>PROFIT</u></p> <p>Bidder must have earned cash profit in any one of the three Financial Years as applicable in the last three Financial Years defined in 'B-1' above based on latest Audited Accounts.</p>	APPLICABLE	
C	<p><u>Price Bid Opening</u></p> <p>Note: Price Bids of only those bidders shall be opened who stand qualified after compliance of criteria A to B</p>	APPLICABLE	BY BHEL

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Explanatory Notes for QR

- A. Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as indicated against B-1 above along with all annexures
- B. In case audited financial statements have not been submitted for all the three years as indicated against B-1 above, then the applicable audited statements submitted by the bidders against the requisite three years, will be averaged for three years i.e. total divided by three.
- C. **NETWORTH:** Shall be calculated based on the latest Audited Accounts as furnished for B-1 above. Net worth = Paid up share capital + Reserves. (Net worth is required to be evaluated in case of companies)
- D. **PROFIT:** shall be NET profit (PAT + Non cash expenditure viz depreciation) earned during any one of the three financial years as in B-1 above
- E. Bidder shall submit above Pre-Qualification criteria format, duly filled-in, specifying respective annexure number against each criteria and furnish relevant document inclusive of Purchase order and Order completion certificate/Proof of Completion etc in the respective annexures in their offer.
- F. With regard to supply of EDTA, Offers are invited only from Manufacturers of EDTA. Traders, Distributors, Stockist etc are not eligible for this Tender.

III. Chemicals – Technical Specification

NOTE FOR SUPPLY OF AMMONIATED EDTA:

- I. Material shall be delivered in SS tankers taking care of safety precautions.
- II. Vendor will be required to test active EDTA content first by following the procedure detailed below before giving inspection call. BHEL representative will visit vendor's works and witness the test for active EDTA content in the bulk quantity before giving dispatch clearance. All necessary arrangements to carry out the test at vendor works are to be made by bidder before giving inspection call as per attached specifications. **Sample of EDTA supplied at site shall be once again tested before final acceptance. All tests will be carried out as per the stated procedure.**
- III. Test certificate, guarantee certificate to be furnished along with the supply. Bidders to indicate shelf life of the chemical.
- IV. Inspection will be carried out only at the manufacturing facility of the bidder (Please note Inspection/Dispatch raised for elsewhere destination which does not belong to bidder shall be treated as violation of Tender condition and Order shall stand cancelled therein). Subletting is strictly restricted for EDTA.
- V. **Offers are invited only from Manufacturers of EDTA. Traders, Distributers, Stockist etc are not eligible for this Tender. Inspection shall be carried out both at suppliers end as well as at site. Supplier has to depute chemist at site for testing purpose.**

TECHNICAL SPECIFICATIONS

PROCEDURE FOR TESTING ACTIVE EDTA CONTENT IN BULK AMMONIATED EDTA LIQUID

The active EDTA content in commercially available bulk Ammoniated EDTA is the content of pure EDTA present in the liquid. The following is the procedure to be adapted for determining the Active EDTA content in ammoniated EDTA which will be represented in weight by weight basis.

- ◆ A representative sample of ammoniated EDTA has to be collected.
- ◆ 10 ml of the above are to be pipetted out in a 100 mL standard flask and the volume has to be made up to 100 mL with DM water.
- ◆ 5 mL of the diluted solution are to be pipetted out in conical 250 mL flask.
- ◆ 50 mL of DM water are to be added to the above.
- ◆ 1 mL of conc. Hydrochloric acid also has to be added.
- ◆ A pinch of ascorbic acid to be added to the above.
- ◆ The solution has to be boiled on hot plate.
- ◆ 1 mL Xylenol Orange indicator is to be added.
- ◆ The solution has to be titrated against 0.1 M Zirconium Oxychloride solution taken in the burette.
- ◆ The end point is the change of the yellow color to violet.
- ◆ Note the titre value.
- ◆ Determine the specific gravity (sp gr) of the bulk EDTA representative sample using a specific gravity bottle and an analytical balance.

Percentage weight by weight of Active EDTA in bulk Ammoniated EDTA = [Titre value x 0.584 x10] / Sp gr.

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REQUIREMENTS:

I. GLASSWARE & EQUIPMENT:

- | | |
|---|---------|
| 1. Sample collection bottle (Polythene) 500 mL capacity | ..1 No |
| 2. Pipette (graduated, 10 mL) | ..2 Nos |
| 3. Standard flask (100 mL) | ..1 No |
| 4. Conical flask (250 mL) | ..1 No |
| 5. Hot plate (preferably open coil heater) | ..1 No |
| 6. Spatula | ..1 No |
| 7. Burette (50 mL) | ..1 No |
| 8. Analytical balance (0.1 mg accuracy) | ..1 No |
| 9. Specific gravity bottle (50 mL) | .. 1 No |

II. REAGENTS:

1. Standard Zirconium Oxychloride solution , 0.1 M
Weight accurately 32.23 g of $ZrOCl_2 \cdot 8H_2O$ and dissolve in 500 mL of DM water first in a 1000 mL Volumetric flask ,add 85 mL Conc. HCL and make the volume up to 1000 mL.
2. Xylenol Orange indicator:
Prepare a 0.05% solution of Xyienol Orange in DM water and use.
3. Ascorbic acid (AR/LR grade)

IV. TECHNO-COMMERCIAL TERMS & CONDITIONS

1. Product quoted by bidder should meet technical specification mentioned
2. **Evaluation Criteria:** 'L-1' Lowest Bidder shall be arrived based on total cost to BHEL basis i.e. sum total of quoted cost which includes Basic Price, taxes & duties, freight etc. and also by considering the CENVAT credit on Excise duty.
(i.e. Total landed cost including taxes, duties and freight minus CENVAT for the same).
3. Prices shall be valid for 3 Months from the date of opening of technical bid.
4. **Payment terms:** 100% within 45 days from the date of receipt & acceptance of material at destination and submission of original invoices with complete documents to BHEL PSWR HQ NAGPUR. Payment will be released by EFT (electronic fund transfer) mode only.

Documents required for payment: 02 Sets (01 original + 1copy) addressed to AGM (PUR), BHEL, PSWR Nagpur (detailed address given in this enquiry)

- Original Tax Invoice
 - Original/authenticated Excise Invoice (If applicable)
 - Original document confirming shelf life of EDTA
 - Original Inspection clearance certificate
 - Original 'Site Inspection clearance certificate' (If applicable).
 - Original Guarantee certificate (If applicable)
 - Stores Receipt Voucher (issued by consignee/BHEL site office).
 - Bank details endorsed (signed & stamped) by bank for release of payment through RTGS/EFT (format shall be made available at the time of releasing PO).
 - Material Safety Data Sheet.
5. EDTA will be accepted only if accompanied by "Test Certificate", document confirming shelf life of chemical. Tenderer should agree for compliance
 6. Chemical should be delivered on "Door Delivery Basis" at destination. Freight and other relevant charges should be included in the quotation by the tenderer for this purpose. Offers other than F.O.R. Destination Basis will not be accepted by BHEL
 7. Ammoniated EDTA should be supplied with MSDS (Material Safety Data Sheet). EDTA without MSDS will not be accepted.

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S.NO	DESCRIPTION OF T & C	T&C AS QUOTED IN THIS TENDER	ACCEPT/ NOT ACCEPT
1.	Place of delivery	BHEL SITE OFFICE – AMRAVATI UNIT # 5 PLOT NO. D-2, ADDL. INDUSTRIAL AREA, NANDGAONPETH, DIST.; AMRAVATI - 444901, MAHARASHTA	
2.	Delivery period from the date of order	WITHIN 30 DAYS FROM THE DATE OF INTIMATION FROM SITE	
3.	General conditions of the contract		
4.	Excise /CVD Invoices	<input type="checkbox"/> SHALL BE PROVIDED <input type="checkbox"/> SHALL NOT BE PROVIDED (Invoice should contain ECC details of supplier and buyer. BHEL ECC and TIN details shall be contained in purchase order.)	
5.	Manufacture's Certificate	<input type="checkbox"/> ENCLOSED <input type="checkbox"/> NOT ENCLOSED <input type="checkbox"/> NA	
6.	Test Certificate confirming shelf life of EDTA	<input type="checkbox"/> SHALL BE PROVIDED <input type="checkbox"/> SHALL NOT BE PROVIDED	
7.	MSE Certificate submitted	Not Applicable	
8.	MSE (Owned by SC/ST)	Not Applicable	
9.	Manufacturing Facility Address		

Signature & Seal of Bidder

V. Instructions for filling the Price Bid

1. **Bidders' rate shall be exclusive of all taxes and duties.** Bidders' are not permitted to quote inclusive of any taxes and duties.
2. Packaging and Forwarding cost shall be included in Basic Cost.
3. Transit Insurance is in the scope of Supplier and shall be included in freight. Supplier shall insure at his cost the goods for all transit risk.
4. Octroi/Entry tax, if any shall be paid by BHEL on submission of original receipts.
5. Prices to be quoted in INR.
6. Bidder must quote the price elements mentioned in price schedule, if any element left blank shall be construed as the price is included in all inclusive F.O.R. price.
7. **Bidder shall fill the rates only in the Price format given by BHEL in Volume - II. Other papers or documents inscribing the rates of materials shall be liable for rejection.**

Signature & Seal of Bidder

VI. CERTIFICATE OF NO DEVIATION

TENDER SPECIFICATION No. : 1403066

I/WE, M/s

HEREBY CERTIFY THAT NOT WITHSTANDING ANY CONTRARY INDICATIONS / CONDITIONS ELSEWHERE IN OUR OFFER DOCUMENTS, I/WE HAVE NEITHER SET ANY TERMS AND CONDITIONS NOR THERE IS ANY DEVIATION TAKEN FROM THE CONDITIONS OF BHEL'S TENDER SPECIFICATIONS, EITHER TECHNICAL OR COMMERCIAL, AND I/WE AGREE TO ALL THE TERMS AND CONDITIONS MENTIONED IN BHEL'S TENDER SPECIFICATION WITH ASSOCIATED AMENDMENTS & CLARIFICATIONS.

I/WE ALSO HEREBY CONFIRM ANY TERMS AND CONDITIONS RECORDED/SET BY US IN ANY PART OF THE TENDER AND ITS RELATED REFERENCE ARE CONSIDERED NULL AND VOID AND WITHDRAWN BY US.

SIGNATURE OF THE TENDERER

DATE:

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VII. CHECK LIST

NOTE: - Tenderers are required to fill in the following details and no column should be left blank

1.	Name and Address of the Tenderer		
2.	Details about type of the Firm/Company		
3.	Details of Contact person for this Tender	Name : Mr/Ms _____ Designation: _____ Telephone No: _____ Mobile No: _____ Email Id- _____	
		Bidders' Offer Page No	Bidder Reply
4.	Whether the format for compliance with PRE QUALIFICATION REQUIREMENT is understood and filled with proper supporting documents referenced in the specified format.		YES / NO
5.	Copy of executed Purchase Orders along with Proof of Completion to satisfy PQR		YES / NO
6.	Audited Profit and Loss Account for the last three years		YES / NO
7.	Whether all pages of the Tender documents are read, understood and signed with company seal.		YES / NO
8.	No Deviation Certificate duly signed with company seal.		YES / NO
9.	Annexures duly signed with company seal.		YES / NO
10.	Techno-Commercial Terms & Conditions sheet filled & duly signed with company seal.		YES / NO

NOTE: STRIKE OFF 'YES' OR 'NO', AS APPLICABLE

DATE:

AUTHORISED SIGNATORY
(With Name, Designation and Company seal)