



BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED.  
(A GOVERNMENT OF INDIA UNDERTAKING)  
NAMRUP. P.O.: PARBATPUR, DIST: DIBRUGARH, ASSAM. PIN – 786623  
Phone: (0374) 2507264, 2507097 FAX - +91 0374 2500 524/ 317  
CIN No. U24123AS2002GOI006786  
E-mail: pkbanik@bvfc.co.in

Ref No.: Mech/U-II/17/cont-182/3199

Date: - 14-11-2017

Sub : Notice Inviting Tender for "in-situ re-tubing of 1<sup>st</sup> distiller (10HE-1B) of Urea-II plant"  
Tender documents can be downloaded from BVFCL website [www.bvfcl.com](http://www.bvfcl.com) & Govt. website [www.eprocure.gov.in](http://www.eprocure.gov.in) should submit along with requisite Earnest Money in the form of A/c payee Demand Draft drawn in favour of BVFCL, Namrup and payable at SBI, Namrup Branch.

Sealed TENDERS are hereby invited for the work as detailed below:

- 1.0 Name of Work : "in-situ re-tubing of 1<sup>st</sup> distiller (10HE-1B) of Urea-II plant"
- 2.0 Estimated amount : ` 6,28,232.00 including GST
- 3.0 Earnest Money Deposit : Tenderer to submit Earnest Money Deposit of ` 15700.00 (Fifteen Thousand Seven Hundred) only by way of A/C Payee Demand Draft drawn in favour of Brahmputra Valley Fertilizer Corporation Ltd., Namrup and payable at State Bank of India, Namrup Branch (Branch Code: 0223) or by way of Bank Guarantee for equivalent amount.

**Tenders received without EMD are likely to be rejected.**

- 4.0 Tender Type : Open
- 5.0 Expected Completion time/  
Duration of jobs : 15 (Fifteen) days
- 6.0 Validity of the Tender : 180 days from the Date of Opening of Tender.
- 7.0 Closing date of sale of Tender  
Paper : 16-00 Hrs. on 04-12-2017
- 8.0 Last Date & Time for Receipt  
of Tenders : 15-00 Hrs. on 05-12-2017
- 9.0 Date & Time for Opening of  
Tenders : 16-00 Hrs. on 05-12-2017
- 10.0 Place of Receipt & Opening of  
Tenders : Office of the –  
Dy.Chief Engineer (Mech)  
Urea-II  
B.V.F.C. Ltd., Namrup  
P. O. – Parbatpur-786623  
Dist.- Dibrugarh(Assam)

Contd.....2/-

- 9.0 All requests for interpretations / clarifications in connection with the Tender Documents shall be addressed in writing to the undersigned at least 7 (Seven) days prior to the closing date of the Tender or in person during office hours on any working day.
- 10.0 The **rates** should be quoted for the complete Scope of Work as per Proforma for '**Schedule of Work, Quantity & Rates**'. The **rates** should be quoted only in the units given in the proforma and should be indicated **both in words as well as in figures**. In case of any discrepancy, the rates quoted in words shall be treated as final. Any corrections made in the prices shall be authenticated with signatures at all places. The Tenderer shall have to submit the 'Schedule of Work, Quantity & Rates' Proforma duly filled in failing which their Price bid will not be accepted.
- 11.0 Procedure for Submission of Tender:  
The Tender shall be submitted in Three Sealed Envelopes as under:
- 11.1 **Envelope No. 1:** Should be super-scribed '**Earnest Money**' for Tender for "in-situ re-tubing of 1<sup>st</sup> distiller (10HE-1B) of Urea-II plant" and shall contain Earnest Money Deposit only.  
**NSIC/MSME registered companies must submit valid copy of registration certificate for exemption of EMD.**
- 11.2 **Envelope No. 2:** Should be super-scribed '**Technical Bid**' for Tender for "in-situ re-tubing of 1<sup>st</sup> distiller (10HE-1B) of Urea-II plant" and shall contain unpriced Bid including NIT duly signed along with authenticated copies of GSTN & PAN No. etc. and other terms & Conditions for the above work/ Deviations, if any, which are at variance with the Terms & Conditions of the Tender Documents issued by BVFCL.
- 11.3 **Envelope No. 3:** Should be super-scribed '**Price Bid**' for Tender for "in-situ re-tubing of 1<sup>st</sup> distiller (10HE-1B) of Urea-II plant" and shall contain the duly filled the proforma for schedule of work, quantity and rate.  
All the three envelopes should in turn be put together in a separate envelope duly super-scribed as tender for "in-situ re-tubing of 1<sup>st</sup> distiller (10HE-1B) of Urea-II plant" mentioning the reference NIT No. and due date of opening over the envelope.
- 12.0 Opening of Tender:  
The Tender shall be opened as under:
- 12.2 Envelope No. 1 and Envelope No. 2:  
Envelope no.1 Super-scribed 'Earnest Money' and Envelope no. 2 Super-scribed 'Technical Bid' **shall be** opened first, on the Scheduled Date & Time of Opening of Tenders, in presence of the Tenderers who may wish to be present during opening.
- 12.2 Envelope No. 3:  
Super-scribed 'Price Bid': The Price Bids of the techno-commercially suitable parties **shall be** opened subsequently on a later date **which shall be intimated to the Tenderers.**

- 13.0 The Tenderers should submit the following information along with the Tenders (Envelope 2) failing which the tender shall be liable to be rejected:
- 13.1 Full particulars of their capability
- 13.2 Address of the OFFICE / WORKS
- 13.3 Experience of having successfully completed similar works (similar jobs means in-situ re-tubing of heat exchangers / fabrication of heat exchanger) during last seven years, should be either of the following:
- (a) Three similar completed works as mentioned above each costing not less than the amount equal to 40 % of the estimated cost.
- Or
- (b) Two similar completed works as mentioned above each costing not less than the amount equal to 50 % of the estimated cost.
- Or
- (c) One similar completed work as mentioned above costing not less than the amount equal to 80 % of the estimated cost.
- 13.4 Copy of Permanent Account Number (PAN) from Income Tax Authorities
- 13.5 Copy of GSTN
- 14.0 This letter shall form part of the contract document and shall be signed and returned along with the Tender Documents
- 15.0 The Tender shall be addressed to:
- Shri T Das  
Dy. Chief Engineer (M), U-II  
Brahmaputra Valley Fertilizer Corporation Ltd., Namrup  
P. O. – Parbatpur – 786623  
Dist-Dibrugarh (Assam)  
E-mail: tdas@bvfc.co.in

Bidder may if they so wish ask about the bidding conditions, bidding process and/ or rejection of the bid.

Thanking you,

**For Brahmaputra Valley Fertilizer Corporation Limited, Namrup**

**(T Das)**

**Dy. Chief Engineer (Mech), N-II**

**Ph. No.: 0374-2507264**

TENDER DOCUMENT

FOR

IN-SITU RE-TUBING OF 1<sup>st</sup> DISTILLER (10HE-1B) OF UREA-II PLANT AT BVFCL, NAMRUP

NIT No.: Mech/U-II/17/Cont-182/3199 dated: 14-11-2017

BVFCL, NAMRUP



BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED  
MECHANICAL DEPARTMENT

**1.00 Equipment Details**

1<sup>st</sup> Distiller (10HE-1B) of Urea-II plant.

Type – Shell & Tube

Shell Side – Steam

Shell side – Steam with working temp. at 240°C-250°C and pressure 10 kg/cm<sup>2</sup>.

Tube side – Urea Solution with working temp. at 160°C-170°C and pressure 25 kg/cm<sup>2</sup>.

Detailed description of tube bundle:

Size of tube: 38.1 mm (O.D.) x 1.65 mm (thk.) x 7310 mm length

No. of tubes: 484

**2.00 SCOPE OF WORK:**

The scope of work shall include but not limited to the following:

1. The existing 1<sup>st</sup> distiller (10HE-1B) is shell & tube type vertical heat exchanger. Re-tubing of this exchanger to be done in position.
2. Grinding of tube plugs, Projected tube with seal welding and removal of fused portion of tube to tube sheet with chamfering tool.
3. Pulling out of tube by mechanical jack / hydraulic tube puller.
4. Cleaning and polishing of tube sheet bore.
5. Cutting of new tubes into required length.
6. Inserting new tube through tube sheet and baffles.
7. Expanding of tubes using super finished roller expanders as per TEMA.
8. Facing of extra tube length to maintain desired tube projection.
9. Seal welding of tube to tube sheet with TIG procedure.
10. Due-penetrant, pneumatic testing on 100% seal weld and executing of repair welding if required, in case of crack / failure etc.

**3.00 Special terms & conditions:****Contractor's scope:**

- 3.01 Required Manpower like qualified welders as per ASME section – IX, special fitters, grinders, riggers, semi skilled workers etc) for smooth and timely completion of the job.
- 3.02 All tools & tackles like tube expander, chain blocks, slings, D shackles, Drilling Machine, Grinding Machine, Electric supply Extension Boards, Electric Cables (3 core) etc required for smooth and timely completion of the job.
- 3.03 Any other material required for carrying out the job like Drills, Reamers Grinding wheels, Buffing Wheels, Wire Brushes, Emery Papers, Cotton Waste etc.
- 3.04 Personal Protective Safety Equipments like safety Helmets, Safety Goggles, Face shields, Safety Belts, hand gloves etc.
- 3.05 Supervision of job shall be in contractor's scope. However a close liaison shall be maintained with the BVFCL's Engineer-In-Charge for day to day progress of the job.
- 3.06 Removal & disposal of all the waste materials etc. from work site and hand over the same to the concerned areas as directed by Engineer-In-Charge. The site shall have to be cleaned after completion of the job and no Material used in carrying out this job should remain at site of work.

**4.00 BVFCL scope:**

BVFCL shall provide following materials / facilities free of cost for carrying out the job as per scope.

- 4.01 Seamless Tubes: In required quantities & dimensions and with MOC: ASTM SA213 TP 316L.
- 4.02 Filler Wires of grade ER 316L for welding tube-to – tube sheet
- 4.03 Argon Gas , oxygen and acetylene gas, electric power connection and compressed air at single utility point.
- 4.04 Temporary LT power supply 3Ø 50 Hz, 415 volt with TPN switch
- 4.05 Air at a pressure of 4 kg/cm<sup>2</sup> (g) (max)
- 4.06 Removal and boxing up of conical portion, D-end of the distiller, separator for ease of re-tubing.
- 4.07 Store cum office space at site.
- 4.08 Medical facilities, as available in BVFCL hospital on chargeable basis. However First Aid facilities will be provided free of cost.
- 4.09 Water and electricity, as may be required will be supplied free of cost.
- 4.10 Erection of scaffoldings, including supply of scaffolding materials and their dismantling.

**5.00 Time schedule / completion period:**

- 5.01 Mobilization of Men and material shall be done within 10 days of our intimation by Fax/ Telephone / E-mail.
- 5.02 The total completion period for the entire work of retubing of the said 1<sup>st</sup> distiller will be maximum 15 days from the date of site clearance excluding mobilization period.

**General Terms & Conditions:**

- 6.00 Validity of contract:  
The job shall be taken up during annual turn around of N-II group of plants. Normally a Notice of 10 days would be given for mobilization the resources for site. But the party should be able to mobilize at a very short notice (within mobilization period), if required. However the contract shall remain valid for a period of 12 months reckoned from the date of its award.
- 7.00 Escalation in Rates: The rates quoted will remain firm till the currency of the contract and will not be subjected to escalation irrespective of any increase whatsoever in labour or material cost etc.
- 8.00 **Security Deposit Cum Performance / workmanship guarantee:**  
i) For due and faithful execution and performance of the contract the contractor shall provide the owner with financial guarantee in the form of a Bank Guarantee, issued by any Nationalized Bank, for a sum equivalent to 10% of the total contract value within a period of 30 days of placement of work order. The Bank Guarantee so executed shall be valid till the expiry of defect liability period with provision of claim period of up to 06 months.  
-OR-  
ii) The sum equivalent to 10% of total contract value shall be deducted from party's bill & the same shall be released after expiry of workmanship guarantee period of 06 months. However, E.M.D. shall be adjusted with S.D. No interest shall be paid on S.D.
- 9.00 Period of Liability: Tenderer shall stand guarantee for the work done for trouble free operation for a period of 6 months from the date of completion of work. Any damage or defect or other faults that may arise or lie undiscovered at the time of issue of completion certificate or appear within the defect liability period after virtual completion of the work, occurring in the opinion of the owner, due to material or workmanship not being in accordance with the contract, shall upon the directions of the owner in writing and within such reasonable period specified therein, be rectified by the contractor most expeditiously at his own cost, or, in case of default, BVFCL may get the same rectified/ made good by other workmen and deduct expenses from any sums that may be there or at any time thereafter that become due to the contractor or may recover from his security deposit. BVFCL shall be under no obligation to accept / entertain any claim/demand whatever on this behalf. The workmanship guarantee for rectified portion of work shall commence with effect from the date of rectification for a subsequent period of 6 months of the balance period as stated above, whichever is later.

**10.00 Terms of Payment:**

- 10.01 100% of value of completed work shall be released, after successful completion of the job and raising of invoice by the party in triplicate subject to recovery, if any, however, 100% payment is subject to fulfillment of security deposit cum performance / workmanship guarantee as in noting at clause no. 8.00 of General Terms & Conditions.  
-OR-  
i) 90% of the value of completed job will be released on successful completion of the work duly certified by BVFCL Engineer.  
ii) Balance 10% shall be retained as Security Deposit. Which will be released after expiry of workmanship guarantee of six months to be valid from the date of completion of job.
- 9.02 All the statutory taxes and duties shall be paid extra as applicable, to tenderer/deducted from tenderer's bills, as the case may be at usual and prevailing rates. Income Tax however shall be deducted from bills.

**Penalty:** In the event that the work is not completed according to the time schedule the contractor shall have to pay Penalty of BVFCL @ of 0.5% of the total value of work for delay of every week or part thereof subject to a ceiling of 10% of the total value of the work.

The contractor shall ensure that the payment of the minimum wages to the labourers, as specified by Government from time to time, shall be made in accordance with the Minimum Wages Act. Upward revision of Minimum Wages from time to time shall be deemed to be inbuilt in the rates quoted by the Contractor. If, at any time it is noticed or it comes to knowledge that the payment to the labourers employed by the contractor is not made in accordance with the Minimum Wages Act BVFCL shall reserve the right to take remedial action to regulate the payments.

- 10.00 The contractor shall comply with the provisions of contract labour (Regulation & Abolition) Act, 1970 and rules framed there under & amended from time to time.
- 11.00 Safety Regulation: The contractor shall strictly follow and abide by all the fire and safety regulations of BVFCL. Before starting maintenance work the contractor shall consult BVFCL's safety officer or the Engineer-In-Charge, if the safety Engineer is not available and familiarize himself with such regulations copies of which will be furnished to him by BVFCL on request. He shall be responsible for and must rectify/make good, to the satisfaction of the BVFCL, any loss or damage, due to fire, caused to any portion of the work to be done under the agreement or to any of the BVFCL's existing property.
- 12.00 Jurisdiction: Notwithstanding any other court or courts having jurisdiction to try any civil suit arising out of this contract it shall be only the court of competent jurisdiction at Dibrugarh alone (where the contract shall be deemed to have been entered into) to try such suits to the exclusion of all other courts of the country and all causes of action in relation to the contract will therefore be deemed to have arisen within the Jurisdiction of the court at Dibrugarh (Assam) only.
- 13.00 Agreement: The contractor's responsible under this contract will commence from the date of issue of the letter of intent/ work order. The tender documents, other documents exchanged between the tenderer and BVFCL the letter of acceptance and work order shall constitute the contract. You shall have to execute an agreement with BVFCL, Namrup on a non judicial stamp paper costing ` 100.00 within 10 days of the date of receipt / acceptance of the work order or before commencement of work whichever is earlier. The cost of stamp paper shall be borne by the contractor. The agreement to be executed will be in the agreement form to be specified by BVFCL, Namrup

(T Das)  
Deputy Chief Engineer(M), Urea-II

SCHEDULE OF WORK, QUANTITY & RATE

Job: In-Situ re-tubing of 1<sup>st</sup> distiller (10HE-1B) in Urea-II plant at BVFCL, Namrup

| Sl No   | Item   | QTY | Rate (₹)/ tube. | Amount (₹) |
|---|--|-----|-----------------|------------|
| 01.   | In-Situ re-tubing of 1 <sup>st</sup> distiller (10HE-1B) in Urea-II Plant at BVFCL, Namrup.<br>Size of tube: 38.1 mm (OD) X 1.65 mm (thickness) X 7310 mm length | 484 |                 |            |
| Total ₹   |  |     |                 |            |
| ( ..... only)   |  |     |                 |            |
| Notes:<br>1) There may be a variation of 5% as contingencies in the total nos. tubes to be re-tubed.<br>2) Rates quoted should be inclusive of all taxes, duties, royalties etc and any other levies payable but shall be excluded GST. |  |     |                 |            |

Signature of the tenderer: \_\_\_\_\_

Date \_\_\_\_\_

Party's name : \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SEAL:



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