



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-183/3172

Date: - 24-10-2017

Sub : Notice Inviting Tender for "Re-white metalling & re-chrome plating of 2nd stage, 3rd stage and 4th stage Pistons & piston rods of CO2 compressor of Urea-II plant" at BVFCL, Namrup

Tender documents can be downloaded from BVFCL website www.bvfcl.com & Govt. website 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 : Re-white metalling & re-chrome plating of 2nd stage, 3rd stage and 4th stage Pistons & piston rods of CO2 compressor of Urea-II plant
- 2.0 Estimated amount : ` 4,34,270.00 including GST
- 3.0 Earnest Money Deposit : Tenderer to submit Earnest Money Deposit of ` 11000.00 (Eleven Thousand) 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 : **Limited**
- 5.0 Expected Completion time/
Duration of jobs : 03 (Three) months
- 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 14-11-2017
- 8.0 Last Date & Time for Receipt
of Tenders : 15-00 Hrs. on 15-11-2017
- 9.0 Date & Time for Opening of
Tenders : 16-00 Hrs. on 15-11-2017
- 10.0 Place of Receipt & Opening of
Tenders : Office of the –
Chief Engineer (Mech)
Namrup-II
B.V.F.C. Ltd., Namrup
P. O. – Parbatpur-786623
Dist.- Dibrugarh(Assam)

Contd.....2/-

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- 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 'Re-white metalling & re-chrome plating of 2nd stage, 3rd stage and 4th stage Pistons & piston rods of CO2 compressor 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 "Re-white metalling & re-chrome plating of 2nd stage, 3rd stage and 4th stage Pistons & piston rods of CO2 compressor 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 "Re-white metalling & re-chrome plating of 2nd stage, 3rd stage and 4th stage Pistons & piston rods of CO2 compressor of Urea-II plant" at BVFCL, Namrup', 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 "Re-white metalling & re-chrome plating of 2nd stage, 3rd stage and 4th stage Pistons & piston rods of CO2 compressor 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:
- 12.1 **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.**

Contd.....3/-

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- 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 Copies of work orders for execution of similar works from any govt. or private Fertilizer/ refineries pertaining to the relevant field i.e. re-white metalling & re-chrome plating job.
 - 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 P K Banik
Chief Engineer (M), N-II
Brahmaputra Valley Fertilizer Corporation Ltd., Namrup
P. O. – Parbatpur – 786623
Dist-Dibrugarh (Assam)
E-mail: pkbanik@bvfc.co.in /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

(P K Banik)
Chief Engineer (Mech), N-II
Ph. No.: 0374-2507097

TENDER DOCUMENT

FOR

RE-WHITE-METALLING & RE-CHROME PLATING OF 2nd STAGE, 3rd STAGE AND 4th STAGE
PISTONS & PISTON RODS OF CO2 COMPRESSOR OF UREA-II PLANT AT BVFCL, NAMRUP

NIT No.: Mech/U-II/17/Cont-183/3172 dated: 24-10-2017

BVFCL, NAMRUP



BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED
MECHANICAL DEPARTMENT

1.00 Equipment Details

Pistons of CO₂ compressor of Urea-II plant.

make: M/s. Termomeccanica, Italy.

Handling CO₂ gas with working temp. 160⁰C-170⁰C and pressure 220 kg/cm².

2.00 SCOPE OF WORK:

If specifically not mentioned herein after or not mentioned anywhere else, the scope of work shall include but shall not be limited to the following for completion of entire job

Scope of work for white metaling

1.00 Cleaning & de-greasing of the area to be coated.

2.00 Machining of area to be coated for removal of previous coating and formation of threads for better adhesion of coating

3.00 Surface preparation to make surface conductive for coating deposition

4.00 Deposition of coating by flame spray method in repeated passes till desired thickness is achieved, machining to achieve desired size and finish.

5.00 Final inspection and packing.

6.00 Final dimensions of the pistons should be maintained as follows

2nd stage piston –

629.70 mm piston OD, padding width 140 mm, depth 10 mm apprx.

3rd stage piston –

329.80 mm piston OD, padding width 85 mm, depth 10 mm apprx.

4th stage piston –

161.90 mm piston OD padding width 70 mm, depth 10 mm apprx.

Scope of work for hard chrome plating

6.00 Earlier plating/coating on the piston rod to be removed by de chroming/grinding

7.00 Piston rod to be polished / buffed to remove any oxide scale, dirt etc. which may be present on the surface to be plated.

8.00 Degreasing to be done to remove organic impurities, buffing compound etc from the surface by using trichloroethylene, acetone etc.

9.00 Alkaline soak cleaning to be done to remove all the remaining impurities completely from the surface by using typically sodium hydroxide (30hms/ltr) or sodium carbonate (30gms/ltr) at temperatures around 60-65 degrees for 05 minutes.

10.00 The rods are then dipped into acid to remove traceoxide and to activate surface for plating.

11.00 The rods are then immersed into chrome acid solution and reversed itched for 45 seconds and after that transferred the material to hard chrome plating bath.

12.00 At the end of plating cycles, the rods to be inspected for dimensions, coating thickness, defects etc.

13.00 Piston rod to be cleaned throughly and applied with proper antirust coating.

14.00 Final grinding or buffing.

15.00 Hardness shall be around 65-68 HRC

16.00 Final dimensions of the piston should be maintained as follows

Dia 101.6 mm x Coating length 1070 mm approx.

16.00 Following tests has to be carried out and reports to be submitted.

(i) Final dimensional report (ii) Piston rod run out measurement report

(iii) Ultrasonic flaw detection test report.

17.00 All good Engineering procedures shall be followed till completion of above jobs.

3.00 Special terms & conditions:

- 3.01 The party shall start the job immediately after receiving the pistons at their works.
3.02 The job shall be executed with the highest level of skill and care, workmanship, diligence and efficiency in accordance with good engineering practice.

4.00 Other Terms & Conditions.

- 4.01 In all cases of disputes, the decision of this company shall be final. Failing this, the matter will be referred to the Arbitration in accordance with the Indian Arbitration and Conciliation Act 1996 and amendment thereof.
4.02 The contract shall be deemed to have been entered into at Namrup and all courses of action in relation to the contract will, therefore, be deemed to have been within the jurisdiction of Dibrugarh Court of Dibrugarh district in state of Assam

5.00 Completion Time:

- 5.01 The completion time for the job shall be 03 (three) months from the date of receipt of the pistons at the tenderer works/service centre.

6.00 Payment Terms:

Subject to deduction as admissible as per rule payment will be released as follows:

- 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 unless a Bank Guarantee from a schedule bank is executed in lieu of that for the equivalent sum. SD will be released after expiry of workmanship guarantee of 6 (Six) months to be valid from the date of completion of jobs.
- iii) All other statutory deductions will be made as per BVFCL rules.
- iv) Payment will be made through RTGS/NEFT. The party shall provide their account details.
- v) **Liquidated Damage:-** In case of delay in job completion, penalty shall be levied @ 1% per week of delay or part thereof subject to a maximum of 7.5% of the total work order value.

7.00 Transportation & Insurance:

BVFCL shall arrange to & fro transportation and insurance. However, careful handling of the pistons at the party's works shall be tenderers responsibility.

- 8.00 The tenderer shall be responsible for compliance of central rules, statutory rules and other regulation as applicable.

9.00 DOCUMENT:

- 9.01 Following document shall be furnished along with dispatch document **failing to which payment will not be released**
- a) Final dimensional report
 - b) Piston rod run out measurement report
 - c) Ultrasonic flaw detection test report.

10.00 Guarantee:

The job will be guaranteed against poor quality of material/workmanship for a period of 6 (Six) months from the date of completion of the job. In case of any defects, the same will be rectified free of cost. A certificate to this effect will be furnished by the tenderer.

11.00 Inspection and Packaging & forwarding:

- 10.01 Final inspection & acceptance will be at BVFCL site on receipt of material.
10.02 Material(s) ready for dispatch shall be packaged adequately to avert any damage during transit and arrange the same for forwarding to our authorized transporter only.

12.00 Validity of Contract

- 12.01 The contract shall be valid for a period of one year from the date of award of work order.

13.00 Force Majeure:

In the event of either of the parties being rendered unable, wholly or in part, by force majeure to carry out its obligation under the contract such party shall give notice with full particulars of such force majeure in writing or by Fax / Telegram to the other party as soon as possible after occurrence of the cause relied on. The obligation of the party giving such notice, so far as they are affected by such force majeure, shall be suspended during the continuance of any liability so caused but for no longer and such causes as are capable of remedied shall as far as possible be remedied with all reasonable dispatch, provided the same is not inadvisable for the party having difficulty

Thanking you,

For Brahmaputra Valley Fertilizer Corporation Limited, Namrup

(P K Banik)
Chief Engineer (Mech), N-II
E-mail: pkbanik@bvfcl.co.in

SCHEDULE OF WORK, QUANTITY & RATE

Sub: Re-white metalling & re-chrome plating of 2nd stage, 3rd stage and 4th stage Pistons & piston rods of CO2 compressor of Urea-II plant at BVFCL, Namrup

Sl.	Description	Quantity(nos.)	Rate (Rs.)	Amount (Rs.)
1.	Re-white metalling of 2 nd stage piston (629.70 mm piston OD padding width 140 mm, depth 10 mm apprx.)	01		
2	Re-white metalling of 3rd stage piston (329.80 mm piston OD padding width 85 mm, depth 10 mm apprx.)	02		
3	Re-white metalling of 4th stage piston (161.90 mm piston OD padding width 70 mm, depth 10 mm apprx.)	02		
4	Hard chrome plating of piston rod (dia 101.6 mm x coating length 1070 mm approx.)	04		
	Sub total			
	GST			
	Total Amount			

In words:

Rupees _____

_____) only.

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Signature of the tenderer: _____

Date: _____

Party's name : _____

Address: _____

SEAL:

