



BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED.
(A GOVERNMENT OF INDIA UNDERTAKING)

NAMRUP. P.O.: PARBATPUR, DIST: DIBRUGARH, ASSAM. PIN-786 623

Phone: (0374) 2507077, 2507061/7079 FAX - +91 0374 2500 524/ 317

CIN No. U24123AS2002GOI006786

E-mail: bvfclnam@bsnl.in

Ref No.: NAM/AMM-II/M/CONT-786/873

Date: - 06-12-2016

Sub : Notice Inviting Tender for 'Reconditioning of Drive Turbine Rotor of Process Air Compressor of Ammonia – II plant' at BVFCL, Namrup

Sealed TENDERS are invited for the work as detailed below:

- 1) Name of Work : **Reconditioning of Drive Turbine Rotor of Process Air Compressor of Ammonia-II plant' at BVFCL, Namrup.**
- 2) Estimated amount : ` 90,22,090.00
- 3) Earnest Money Deposit : Tenderer to submit Earnest Money Deposit of ` 1,80,500.00 (Rupees One lakh Eighty Thousand Five 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) Time of Completion : 03 months from the date of receipt of rotor at party's works.
- 5) Validity of the Tender : **180 days** from the Date of Opening of Tender.
- 6) Last Date & Time for Receipt of Tenders : 15-00 Hrs. on 04-01-2017
- 7) Date & Time for Opening of Tenders : 16-00 Hrs. on 04-01-2017
- 8) Place of Receipt & Opening of Tenders : **Office of the –
Chief Engineer (Mech), N-II
B.V.F.C. Ltd., Namrup
P. O. – Parbatpur-786623
Dist.- Dibrugarh(Assam)**

- 9) 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) The **rates** should be quoted on lump sum basis 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 enquiry 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) BVFCL, Namrup reserves the right to reject any or all Tenders without assigning any reason whatsoever and it also does not bind itself to accept the Lowest Tender.

12) **Procedure for Submission of Tender:**

The Tender shall be submitted in **Three Sealed Envelopes** as under:

- 12.1) Envelope No. 1: Should be super-scribed 'Earnest Money' for Tender for 'Reconditioning of Drive Turbine Rotor of Process Air Compressor of Ammonia – II plant' at BVFCL, Namrup **and** shall contain Earnest Money Deposit only.
- 12.2) Envelope No. 2: Should be super-scribed 'Technical Bid' for Tender for 'Reconditioning of Drive Turbine Rotor of Process Air Compressor of Ammonia – II plant' at BVFCL, Namrup and shall contain un-priced Bid including NIT duly signed along with authenticated copies of I-Tax, PAN, PF Registration Certificate from Provident Fund Authorities etc. and other Conditions / Deviations, if any, which are at variance with the Terms & Conditions of the Tender Documents issued by BVFCL.
- 12.3) Envelope No. 3: Should be super-scribed 'Price Bid' for Tender for 'Reconditioning of Drive Turbine Rotor of Process Air Compressor of Ammonia – II plant' at BVFCL, Namrup and shall contain the Rates only as per Proforma for 'Schedule of Rates'.

All the three envelopes should in turn be put together in a separate envelope duly super-scribed as 'Tender for Reconditioning of Drive Turbine Rotor of Process Air Compressor of Ammonia-II plant' at BVFCL, Namrup mentioning the reference NIT No. and due date of opening over the envelope.

13) **Opening of Tender:**

The Tender shall be opened as under:

13.1) Envelope No. 1:

Super-scribed 'Earnest Money' **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.

13.2) Envelope No. 2:

Super-scribed 'Technical Bid': The Technical Bids of those parties only who will furnish requisite EMD **shall be opened and required clarifications, if any, shall be obtained from respective Tenderer(s)**.

13.3) 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**.

- 14) The Tenderers should submit the following information along with the Tenders:
- 14.1 Full particulars of their capability
 - 14.2 Address of the OFFICE / WORKS
 - 14.3 Experience of having successfully completed "similar works" or *partially completed* "similar works" in progress but not abandoned, during the last seven years ending on the month previous to one in which tenders are invited.

The bidders have to submit the copies of work orders of similar works for the relevant years in support of the above qualifying criterion along with the offer.

14.3.1 Relevant work order copies to be furnished as per following criteria:

- a) Three similar completed works costing not less than the amount equal 40% of the estimated cost.

Or

- b) Two similar completed works costing not less than the amount equal 60% of the estimated cost.

Or

- c) One similar completed work costing not less than the amount equal 80% of the estimated cost.

14.3.2 Supporting documents of repair and high speed balancing of turbine rotor more than 5.15 MW capacity of last three years should be enclosed.

14.3.3. Supporting documents against availability of machining facilities of turbine rotor blades by re engineering at vendor's works and related work orders of last three years should be enclosed.

14.3.4 Details of major machines besides CNC blade profile cutting and EDMs, list of tools and tackles, in house handling facilities, overhead cranes etc. should be available at vendor's work to take up such jobs.

14.3.5 Performance feedback from the reputed Govt. / Semi-govt./ private fertilizer, refinery, chemical company in case of other than BVFCL.

- 15) The following information shall have to be submitted along with the Tender failing which the tender shall be liable to be rejected:

- 15.1 Permanent Account Number (PAN) from Income Tax Authorities (Envelope No. 2)
- 15.2 P.F. Registration Number (PF No.) from Provident Fund Authorities (Envelope No. 2)
- 15.3 Copy of Service Tax/ VAT registration certificate (Envelope No. 2)
- 15.4 Bank solvency certificate (Envelope No. 2)
- 15.5 Average annual financial turnover during last three financial years ending on 31st March, 2016 duly certified by practicing CA (Envelope No. 2)
- 15.6 Party shall furnish credential for re-conditioning of turbine rotor having speed range 7000 – 10000 rpm & power 4000 – 7000 kW. Party shall submit proper documents i.e. copy of work order in support of credentials in reputed Govt. / Semi-govt./ private fertilizer, refinery, chemical company.

- 16) This letter shall form part of the contract document and shall be signed and returned along with the Tender Documents.
- 17) The Tender shall be addressed to:
Shri P.K. Banik
Chief Engineer (Mechanical), N-II
Brahmaputra Valley Fertilizer Corporation Ltd., Namrup
P. O. – Parbatpur – 786623
Dist-Dibrugarh (Assam)
E-mail: mecha2@bvfc.co.in
Fax No.: 0374-2500524
- 18) Please send regret letter if you are not interested in participating in the Tender.

Thanking you,

For Brahmaputra Valley Fertilizer Corporation Limited, Namrup

(P.K. Banik)
Chief Engineer (Mech), N-II
Mobile No.: 09132708124

TENDER DOCUMENT
FOR
RECONDITIONING OF DRIVE TURBINE ROTOR OF PROCESS AIR COMPRESSOR OF AMMONIA-II
PLANT' AT BVFCL, NAMRUP

NIT No.: NAM/AMM-II/M/CONT-786/873 dated: 06-12-2016

BVFCL, NAMRUP



**BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED
MECHANICAL DEPARTMENT**

1.00 **Rotor Specification:**

DRIVE TURBINE ROTOR OF PROCESS AIR COMPRESSOR

Type	: T1/150R
Make	: M/s Franco Tosi S.p.A, ITALIANA
Rated speed	: 9450 rpm
Power	: 5150 KW
Max length of the Rotor	: 2180 mm
Max dia of the rotor	: 783.4 mm
Journal dia of rotor	: 114.30 mm

2.00 **SCOPE OF WORK:**

- i) Receipt of Rotor and unloading.
- ii) Inspection of the Rotor on receipt for any transit damage and taking photographs.
- iii) Through cleaning of the rotor with Aluminium Oxide grit blasting as per standard practice.
- iv) Removal of all the LP Blades from the rotor (Row No. 1 & 2).
- v) Reverse engineering of the removed blades, take all dimensions as per OEM standards.
- vi) Replacement of all the old/damaged LP blades (Row 1 & 2) from 1st stage (57 nos. of blades) and 2nd stage (102 nos. of blades) with new blades following standard engineering practices.
- vii) Stellite is required at the last stage of replaced blades at inlet portion.
- viii) New shrouding is to be provided on the replaced blades.
- ix) Proper balancing of the rotor for each stage. High Speed Dynamic Balancing of the rotor as per standard engineering practices.
- x) All other jobs required for reconditioning/ refurbishment of the rotor in totality.
- xi) Balancing of the rotor should be done at rated speed & balancing report should be supplied along with the rotor.
- xii) Material to be used for manufacturing of blades should be as per OEM standard.
- xiii) Material test certificate of the blade should be supplied along with the reconditioned rotor.
- xiv) Old blades are to be returned along with the reconditioned rotor.

General: -

- i) To carry out necessary visual inspection along with photograph for all the parts of the rotor.
- ii) Run out checking of the rotor and the required rectification as per OEM standard.
- iii) Carryout the following NDT & inspection as per International standard on the rotor for confirming that all the blades are in safe zone or not: -
 - Dye penetration Test.
 - Ultrasonic Test.
 - Florescent Magnetic Particle checks on all assessable areas.
- iv) Checking of the rotor for Residual Magnetism and Demagnetization.
- v) Burnishing and polishing of the rotor journal and other areas wherever required.
- vi) Preservation and packing of the rotor to avoid damage during transit.
- vii) Probe fitting area should be of OEM standard so that Bentley Nevada Probes should sense correct vibration reading.

3.00 **CONTRACTOR'S SCOPE:**

- 3.01 Arrangement and deployment of total workforce including supervisory staff and engineers.
- 3.02 All required machining works.
- 3.03 Welding works, if required.
- 3.04 All Non-Destructive testing, whatsoever required for the entire scope of work, shall be arranged and executed by the bidder at their cost.
- 3.05 All special electrodes specifically required for the entire scope of work, shall be in the scope of the bidder.
- 3.06 Quality of materials replaced will be as per OEM's standard for the entire work.
- 3.07 Maintaining the records of all works and Inspection details.
- 3.08 Before quoting the parties if they so wish may visit the site to see the actual quantum of damage, however we have some photos of the damaged rotor as enclosed for reference.

4.00 **BVFCL'S SCOPE:**

- 4.01 **Transportation & Insurance:** BVFCL shall arrange to & fro transportation of the rotors and insurance. However, careful handling at the party's works shall be tenderers responsibility.

5.00 **INSPECTION:**

- 5.01 The successful bidder shall arrange for stage wise third party inspection for the repairing work by M/s LRIS.
- 5.02 **Submission of Documents:** The successful bidder shall submit the following **documents (in duplicate)** after completion of work:
 - 5.02.1 Dimensional Inspection Report.
 - 5.02.2 Run out Report.
 - 5.02.3 Dynamic Balancing Report.
 - 5.02.4 Ultrasonic Test Report.
 - 5.02.5 Liquid Penetration Test Report.
 - 5.02.6 Magnetic Particle Examination Report.
 - 5.02.7 Demagnetization Report.
 - 5.02.8 Third party inspection report from M/s LRIS.

6.00 **GENERAL TERMS & CONDITIONS:**

6.01 **Validity of Contract:**

The contract shall remain **valid for a period of 180 days** reckoned from the date of its award.

- 6.02 **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.

- 6.03 **Earnest Money Deposit:** The Tenderer should make a deposit of ` **1,80,500.00 (One lakh Eighty thousand Five Hundred) only** as Earnest Money in the form of an **A/c Payee Demand Draft, drawn on State Bank of India in favour of "Brahmaputra Valley Fertilizer Corporation Ltd., Namrup"** payable at Namrup Branch (Branch Code: 0223) or by way of Bank Guarantee for an equivalent amount. Earnest Money Deposit should accompany the tender in a separate envelope without which tender will not be opened and it will be considered as rejected. NSIC registered companies shall produce valid copy of registration certificate.

- 6.04 **Security Deposit-Cum-Performance/Workmanship Guarantee:** 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 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 6 months. **No interest shall be paid on E.M.D. and S.D.**
- 6.05 **Period of Liability:** Tenderer shall stand **guarantee for** the work done for trouble free operation for a period of 12 **months from the date of completion of work/ 6 months from the date of commissioning**. 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 whatsoever 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 (six) months of the balance period** as stated above, whichever is later.
- 7.00 **Terms of Payment:**
- 7.01 100% 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 cu performance / workmanship guarantee as in noting at clause no. 6.0.
- 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.
- 7.02 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.
- 7.03 Service Tax, if and as applicable, shall be paid at usual and admissible rate on production of copy of valid Service Tax Registration Certificate issued by appropriate Excise Authority. **Penalty:** In the event that the work is not completed according to the time schedule, the Contractor shall have to pay **Penalty to 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.**
- 8.00 Contractor shall, at all times, keep BVFCL indemnified against all claims, damages or compensation under the provisions of the Payment of Wages Act 1936, Minimum Wages Act 1948, Equal Remuneration Act 1976, Workman's Compensation Act 1923, Employees' Liability Act 1938, Employment of Child Labour Act 1938, Abolition of Bonded Labour Act and Contract Labour (Regulation & Abolition) Act 1970 or any other Act(s) regulating the employment of labour by the Contractor.

- 9.00 **Force Majeure:** The terms and conditions mutually agreed upon with respect to this agreement shall be subject to Force Majeure. Neither the Contractor nor BVFCL shall be considered to be in default in the performance of their obligations contained therein, if such performance is prevented or delayed or restricted or interfered with by reasons of **War, Hostilities, Revolution, Civil Commotion, Strike, Epidemic, Accident, Fire, Cyclone, Wind, Flood, Earthquake, Regulation or Ordinance or Requirement of any Government or any Sub-Division thereof, or Authority or Representative of any such Government and / or due to Technical Snag/Reasons, or any other Act whatsoever, whether similar or dissimilar to those enumerated, beyond reasonable control of the parties hereto, or because of any Act of God.** The party so affected, upon giving prompt notice to the other party, shall be excused from such performance to the extent of such prevention, delay, restriction or interference for the period it persists, provided that the party so affected shall use its best efforts to avoid or remove such causes of non-performance, if possible, and shall continue performance hereunder with the utmost dispatch whenever such causes are removed. Should one or both parties be prevented from fulfilling their contractual obligations by a state of **Force-Majeure lasting continuously for a period of three months**, the two parties to the contract shall meet and decide about the future course of action for implementation of the contract.
- 10.00 **Conciliation & Arbitration:**
Except otherwise provided in this contract all matters, questions, disputes, differences whatsoever which shall at any time arise between the parties hereto touching the construction, meaning or operation or effect of the contract or out of matters related to the contract or breach thereof, or the respective rights or liabilities of the parties, whether during or after completion of the work or whether before or after termination shall be referred to arbitration in accordance with the ICADR Arbitration Rules, 1996. Under such case, authority to appoint Arbitrator(s) shall be the 'International Centre for Alternative Dispute Resolution'.
The Arbitration proceedings shall be governed by the ICADR Arbitration Rules, 1996.
Both the parties shall continue to fulfill their respective obligations under the contract during the Arbitration proceedings.
- 11.00 The contract shall be **governed by and construed in accordance with the Laws of India** and provisions of various Labour Laws like Factories Act 1948, Industrial Disputes Act 1947, Contract Labour (Regulation & Abolition) Act 1970, Maternity Act 1961, Workmen's Compensation Act 1923, Payment of Wages Act 1936, Minimum Wages Act 1948, Employee's Provident Funds & Misc. Provisions Act 1952, Payment of Bonus Act 1965, Payment of Gratuity Act 1972 etc. and any other Law / Legislation which may be applicable from time to time (The above Acts are only illustrative and not exhaustive).
- 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.**

(P.K. Banik)
Chief Engineer (M), N-II

Ref. No.: NAM/AMM-II/M/CONT-786/873

Date: 06-12-2016

SCHEDULE OF WORK, QUANTITY & RATE

Job: Reconditioning of Drive Turbine Rotor of Process Air Compressor of Ammonia – II plant at BVFCL, Namrup.

Sl no	Item	QTY	Rate (₹)	Amount (₹)
01	Reconditioning of Drive Turbine Rotor of Process Air Compressor of AMM-II plant of B.V.F.C.L. Namrup	1 no.	Lump sum	
Grand Total				

OTHER TAXES/ COST (IF ANY, PLEASE SPECIFY)

REMARKS (IF ANY),

In words: Rupees _____

_____) only.

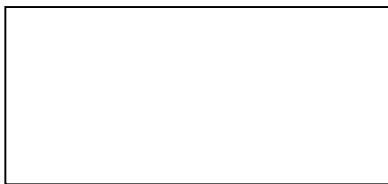
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Signature of the tenderer: _____

Date _____

Party's name: _____

Address: _____



SEAL:

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DECLARATION FORM-I

Quotation No.: _____

Date: ____/____/____

C.E. (Mech.), N-II
M/s. Brahmaputra Valley Fertilizers Limited, Namrup
Parbatpur-786623
District- Dibrugarh, Assam.

Subject: Notice Inviting Tender for 'Reconditioning of Drive Turbine Rotor of Process Air Compressor of AMM-II plant of B.V.F.C.L. Namrup.'

Sir,

I/We _____ have read the conditions of tender attached hereto and agree to abide by such conditions. I/We offer to do the job of 'Reconditioning of Drive Turbine Rotor of Process Air Compressor of AMM-II plant of B.V.F.C.L. Namrup' at the rates quoted in the attached Schedule of Rates and in accordance with the specifications, standards and instructions in writing of the Engineer-in-charge of M/s Brahmaputra Valley Fertilizers Corp. Limited and hereby bind myself/ourselves to complete the work schedule and progress of work. I / We further agree to abide by the conditions of contract and to carry out all works within the specified time in accordance with applications, workmanship and instructions referred to in the **Notice Inviting Tender**.

In case of acceptance of the Tender by the Brahmaputra Valley Fertilizer Corporation Limited, I / We bind myself /ourselves to execute the contract as per the conditions mentioned in the tender document, failing which, I / We shall have no objection to the forfeiture of the Earnest Money lodged with the Brahmaputra Valley Fertilizers Limited, Namrup.

(Signature of Tenderer with Seal)

Name: _____
Address: _____

Place: _____
Date: _____

DECLARATION FORM-II

THE FOLLOWING DECLARATION TO BE SIGNED BY CONTRACTOR

Sr. No.	DESCRIPTION	YES / NO (If Yes, give the following details)		
1	If a Tenderer has relations whether by blood or otherwise with any of employees of BVFCL (Owner), the Tenderer must disclose the relation at the time of submission of Tender, failing which, BVFCL shall reserves the right to reject the Tender or rescind the Contract.	Name and Designation of the Employee	Place of Posting	Relation with the Employee
2	P.F. Registration No of the Contractor to be intimated along with Documentary proof thereof.	<u>P.F. Registration Number</u>		
3	PAN No. of the Contractor to be intimated along with Documentary Proof thereof.	<u>PAN No</u>		
4	Service Tax Registration No. with Documentary Proof. Accounting Code No. & S.T.Code No.			
5	ESI Registration No. Along with documentary proof thereof.	<u>ESI Reg. No.</u>		
6	If the party is registered as Micro/Small/Medium Enterprises as per MSMED Act,2006, the same may be confirmed by the party and submit a photocopy (Self certified) of the registration certificate in support thereof. Otherwise it will be construed that the party is not registered as per MSMED Act, 2006.			
7	The bidder shall submit the name and address of the firm/ company along with its constitution giving status of the same such as sole proprietorship / partnership or limited/private firm etc. Along with its copies duly attested by Notary Public as evidence.			

(Signature of Tenderer with Seal)

Name: _____
Address: _____

Place: _____
Date: _____