

TENDER DOCUMENTS
FOR

‘Execution of Major overhauling job of LP barrel of Process Air
Compressor of Ammonia–III plant on turnkey basis at BVFCL
Namrup’.

NIT No.: N-III/Mech-5/Cont-970/1230 DTD-19.04.2017

BVFCL, NAMRUP



BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED
AMMONIA-III
MECHANICAL DEPARTMENT

A. NAME OF WORK:

Major overhauling of LP barrel of Process Air Compressor of Ammonia-III plant on turnkey basis at BVFCL Namrup.

B. SPECIFICATION:

PAC LP barrel:

Make	: M/s MANNESMANN DEMAG
Type	: 10 MH 7C
Rated speed	: 9860 rpm
Weight of rotor	: 1006 Kg
Bearing spun of rotor	: 2055mm
Journal diameter (Inboard & Outboard)	: 120mm
Number of impeller	: 7nos

C. SCOPE OF WORK:

If specifically not mentioned herein after or not mentioned anywhere else, the scope of work shall include but not limited to the following: -

- 1) Decoupling between (Turbine-LP compressor) & (LP compressor-Gear Box).
- 2) Pre-alignment check up of whole train.
- 3) Removal of instrumentation probes of the barrels.(BVFCL scope)
- 4) Dismantling of all the Oil connected for bearing lubrication.
- 5) Locking of barrel foundation bolts.
- 6) Dismantling of Top cover fasteners.
- 7) Removal of top casing from position along with inter-stage labyrinth seals. & subsequent inspection.
- 8) Lifting of both end bearing covers & dismantling of bearings after checking the clearances.
- 9) Lifting of rotor from its position, placement on rotor stand and subsequent cleaning & inspection.
- 10) Inspection of bearings (including thrust pads) by DPT and replacement, if required maintaining proper clearances.
- 11) Inspection & clean up of labyrinth, diaphragms etc.
- 12) Installation of both end bearings & Rotor.
- 13) Installation of bottom labyrinth seals, gland seals, balance piston seal and replacement of the same if required maintaining proper clearance.
- 14) Check up & adjustment of top labyrinth seals, gland seals, balance piston and replacement of the same if required maintaining proper clearance.
- 15) Box up of top cover along with viton E60 grade parting plane O ring
- 16) Re connection of lube oil pipe lines and instrumentation connections/ lines with proper flushing.
- 17) Check up of alignment of whole train & rectification if required.
- 18) Box up of all couplings & coupling covers, bearing covers.
- 19) Flashing of all L O Lines.
- 20) Commissioning of the whole train.
- 21) All best engineering practices & procedures as per OEM standard to be followed and safety gadgets to be strictly followed while working.
- 22) Carrying /cleaning of site debris/waste to dumping yard after finishing of job.
- 23) Returning of unused supplied material(s) to the Engineer-in-charge.
- 24) Job shall be executed as instructed by Engineer-in-charge.

D. SPECIAL TERMS & CONDITIONS:

I PARTY'S SCOPE: -

- a. Mobilization and demobilization of required manpower (including supervisory staff, lathe operator/machinist), tools & tackles (including pulling & lifting machines, electric hand tools, precision measuring tools etc.) and other equipments.
- b. All the tools and tackles below 36 mm like ring & open end spanners, hammer, screw drivers, whatsoever required (if otherwise not mentioned specifically) to meet the entire scope of work shall be in the scope of contractor **including Precision Measuring tools like dial gauge, vernier calipers, micrometer etc.**
- c. Arrangement of all consumables such as emery paper, CTC, markin cloth and cotton waste.
- d. All non destructive testing, whatsoever required for entire scope of work.
- e. Boarding/ lodging/ Insurance of their personnel.
- f. Arrangement of all necessary safety gadgets
- g. All other required items to complete the job.
- h. Arrangement of local conveyance.
- i. Collection, loading and unloading of spares which will be required for the overhauling of the machine, from BVFCL stores to site.

II BVFCL SCOPE: -

- a. All required spares, tools and tackles upto 32 mm and special tools for execution of the work.
- b. Water, air and electricity, as required for and during execution of work.
- c. Required quantity of lubricants.
- d. Work fronts will be adequately cleared for expeditious execution of work.
- e. Workshop facility, to the extent possible.
- f. Material handling equipments like mobile crane, forklift etc. with operator.
- g. Wooden sleepers, packers and planks.
- h. Jointing compounds, gaskets and sealants.
- i. Site Stores/ Site office.
- j. Guest house accommodation facility will be extended on chargeable basis subject to availability.
- k. Free medical facility to be offered to your workmen in case of accidents / injuries while at work shall be limited to provision of first aid only.

III MOBILIZATION/COMPLETION PERIOD

- a. Mobilization of manpower shall be done within 72 hours of our intimation by Fax / Telephone / E-mail. However, the mobilization should be done as quickly as possible and the Bidder shall mention in the Tender the Minimum Time Period required for site mobilization. The site mobilization shall be completed within agreed Time Period.
- b. **The job will be completed with in 10(Ten) days.**

E. GENERAL TERMS & CONDITIONS:

1. Interested Bidder, after studying all the tender documents carefully, may obtain necessary clarifications, if any, in writing before tendering. The Contractor should acquaint himself with the site conditions prevailing at the place of work. Submission of tender implies that the Bidder has obtained all the clarifications required and that he shall be deemed to have apprised himself of all the ground conditions at site including weather conditions. No claim on ground of want of knowledge in this respect will be entertained. No claim for any extra charges consequent upon any misunderstanding or otherwise will be entertained.
2. The following tenders will be liable to be summarily rejected:
 - 2.1 Tenders submitted by Bidder(s) who resort to canvassing
 - 2.2 Tenders which do not fulfill any of the conditions laid down in the Tender Documents or are incomplete in any respect.
 - 2.3 Tenders not accompanied by the required details / Earnest Money Deposit
 - 2.4 Tenders received late / delayed.

3. If the Bidder has relations, whether by blood or otherwise, with any of the employees of BVFCL he must disclose the relations in the Form of Declaration attached failing which BVFCL shall reserve the right to reject the Tender or rescind the Contract.
4. The execution of the work may entail working in all the site and weather conditions and no extra rate will be considered on this account. The Contractor may have to carry out the jobs working round the clock as per BVFCL's requirement to be decided by the Engineer-In-Charge and the Contractor should take this aspect into consideration while formulating his rates to be quoted.

5. **Validity of Contract:**

- 5.1 Validity of the contract shall be for a period of 12 months reckoned from the date of its award. The job can, therefore, be got done any time during the tenure of the contract. Mobilization of manpower shall be done within 72 hours of our intimation by Fax / Telephone / E-mail.

6. **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.

7. **Earnest Money Deposit:** The Bidder should make a deposit of Rs. 17,840.00 (Rupees Seventeen thousand eight hundred forty) only as Earnest Money in the form of an A/c Payee Demand Draft, drawn on State Bank of India in favor of "Brahmaputra Valley Fertilizer Corporation Ltd., Namrup" payable at Namrup Branch (Branch Code: 0223). Bank guarantee as E.M.D in place of Demand draft shall not be entertained.

NSIC registered companies shall furnish valid copy of registration certificate.

8. **Security Deposit-Cum /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 workmanship guarantee period of (06) six months. **No interest shall be paid on E.M.D. and S.D.**

9. If the Contractor fails to fulfill his obligations under the contract BVFCL shall have the right to get the work done by the agency other than the Contractor, at the Risk and Cost of the Contractor, till the expiry of the period of contract.

10. **Termination of Contract:**

If the Contractor becomes unable to execute the work, any loss incurred by the company in this respect will be to the Contractor's account. The company may also terminate the contract after giving a 1(One) day's notice in writing, if, in its opinion, the work under the contract is not being executed to its satisfaction:

or

- 10.1 If, at any time, the Contractor makes default in proceeding with the work / job with due diligence and continues to do so after giving in writing a notice of 1 day by the Engineer-In-Charge,

or

- 10.1. If the Contractor persistently disregards the instructions of Engineer-In-Charge or fails to take steps to employ competent or additional staff required or commits default in complying with any of the terms and conditions of the contract and does not remedy it or does not take steps to remedy it within 3 days after notice in writing is given to him by the Engineer-In-Charge

or

- 10.2. If the Contractor assigns, transfers or sublets or attempts to assign, transfer or sublet the entire work or any portion thereof without the prior written approval of the accepting authority

or

- 10.3. If the Contractor abandons the contract

or

- 10.4. If the Contractor becomes bankrupt / insolvent.

BVFCL shall have right to get the leftover jobs done by alternative agencies at the Risk & Cost of the Contractor besides other legal remedies available to it.

11. Terms of Payment:

- 11.1 100% of value of the W.O. 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- /Workmanship Guarantee as in noting at clause no 8.00 of General Terms & Conditions.** In case the party does not submit Security Deposit-Cum-Performance/Workmanship Guarantee as stated above, 90% value of the completed work will be released. The balance 10% shall be retained as Security Deposit which will be released after successful completion of the guarantee period of (06) Six months.
- 11.2 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.
12. **Tax Deduction at Source:** Statutory deduction on account of Income Tax / Works Tax & other Taxes on Works Contracts, if and as admissible, shall be made from the Contractor's bills at the prevailing rates, as per Income Tax Laws / Commercial Tax Laws in force in the state of Assam, at the time of release of payment to the Contractor.
13. **Engineer-In-Charge:** The Engineer In-Charge shall have general supervision and direction of the work. He shall have the authority to stop the work whenever such a stoppage may be necessary to ensure proper execution of the contract. He shall also have authority to reject all work, direct the application of forces to any portion of the work as, in his judgment, is required and order force increased or diminished and to decide disputes which arise in the execution of the work. The Engineer-In-Charge reserves the right to suspend the work or part thereof at any time and no claim whatsoever on this account will be entertained. In case of any dispute the Contractor may appeal to the Engineer-In-Charge whose decision shall be final and binding. **The decision of the Engineer-In-Charge of Brahmaputra Valley Fertilizer Corporation Limited shall be final as regards all matters relating to this Tender including those for determining the category of work with reference to material of an item not mentioned in the Scope of Work.**
14. **Loss to Plant during Execution:** Any damage or loss caused to the plant, equipment etc., during execution of this contract by the Contractor's employees will be made good by the Contractor at his own cost and risk.
15. **Safety Regulations:** 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.
16. **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.

17. Conciliation & Arbitration:

- 17.1 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'.
- 17.2 The Arbitration proceedings shall be governed by the ICADR Arbitration Rules, 1996.
- 17.3 Both the parties shall continue to fulfill their respective obligations under the contract during the Arbitration proceedings.
18. **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.
19. **BVFCL is committed to a corruption free environment."** All the works contract, services and commitments of BVFCL will be honored without the citizen having to pay any bribe". In case any person demands any bribe, it is the duty of responsible citizen to inform the matter to Vigilance Office, BVFCL, Namrup, Assam. (Email:vigilance@bvfcl.co.in).

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(SPECIMEN COPY)

Ref: N-III/MECH-5/Cont-970/

PROFORMA-I

INFORMATION REGARDING TENDERER

A) In case of individual		
i)	Name of Business	
ii)	Whether his Business is registered	
iii)	Date of commencement of business	
iv)	Whether he pays Income-Tax over Rs. 10,000/- per year	
B) In case of Partnership		
i)	Name of Partnership	
ii)	Whether the Partnership is registered	
iii)	Date of establishment of firm	
iv)	If each of the partners of the firm pays Income-Tax over Rs. 10,000/- a year and if not which of them pays the same	
C) In case of Limited Liability Company or Company Limited by Guarantee		
i)	Amount of paid up capital	
ii)	Name of Directors	
iii)	Date of Registration of Company	
iv)	Copies of the last two years' Balance Sheets of the Company	
D) Income Tax		
i)	Income Tax Clearance Certificate for previous years.	

(SIGNATURE OF BIDDER WITH SEAL)

Name : -----
Dated : -----
Place : -----

(SPECIMEN COPY)

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PROFORMA NO. - 2

DETAILS OF EXPERIENCE

Bidder shall give information of similar works done during the **past seven years** strictly as per proforma given below:

Sl. No	Full particulars of similar work carried out by Bidder	Value of Contract	Contract Completion time	Actual completion time	Year of completion	Name & Postal Address of Client

NOTE: - Similar job means maintenance of **centrifugal compressor above 7000 RPM** of BHEL or any internationally reputed make on turnkey/per diem rate basis in reputed CPSU/Govt./Semi-Government/ Private Sector organization- Fertilizer/Refinery& petrochemicals successfully with job completion certificate.

Certified that the above information is correct.

(SIGNATURE OF BIDDER WITH SEAL)

Name : -----

Dated : -----

Place : -----

(SPECIMEN COPY)

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PROFORMA NO. - 3

PRESENT COMMITMENTS

Bidder shall furnish the details of their present commitments strictly as per this Proforma.

Sl. No.	Name of work	Name & address of Client	Contract Value	Brief description of work	Date of completion	% age completed	Expected date of completion of balance work

Certified that the above information is correct.

((SIGNATURE OF BIDDER WITH SEAL))

Name :

Dated :

Place :

(SPECIMEN COPY)

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PROFORMA NO. - 4

INFORMATION REGARDING MANPOWER
WHICH THE BIDDER PROPOSES TO USE FOR THIS WORK

Sl. No	Name	Designation	Qualification	Yrs of Experience of similar job
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Certified that the above information is correct.

(SIGNATURE OF BIDDER WITH SEAL)

Name :

Dated :

Place :

(SPECIMEN COPY)

PROFORMA NO. - 5

Ref: N-III/MECH-5/Cont-970/

PROFORMA: SCHEDULE OF WORK, QUANTITY & RATE(S)

Job Name: 'Execution of Major overhauling job of LP barrel of Process Air Compressor of Ammonia–III plant on turnkey basis' at BVFCL Namrup.

SI No	Description	Qty	Rate (₹)	Amount (₹)
1.	Execution of Major overhauling job of LP barrel of Process Air Compressor of Ammonia–III plant on turnkey basis.	1 (one) lot	LS	
Service Tax @ 15%				
Sub Total				
Total amount				

Note:

Job shall be awarded on overall lowest offer basis.

Remarks, if any

- 1)
2)

Signature of the Bidder: _____ Date _____

Party's name: _____

Address & SEAL:

DECLARATION FORM
(To be submitted in Envelop- II)

Ref. No: N-III/MECH-5/Cont-970/

Date:

To

Chief Engineer (Mechanical), Amm-III & CPP
BVFCL, Namrup

Sub.: 'Execution of Major overhauling job of LP barrel of Process Air Compressor of Ammonia-III plant on turnkey basis at BVFCL Namrup.

Dear 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 as per attached Schedule of Rates and in accordance with the specifications, standards and instructions in writing of the Engineer-in-charge of M/s. BVFCL and hereby bind myself/ ourselves to complete the work schedules and progress of work.

I/ We further agree to abide by the conditions of contract and agree to carry out all work within the specified time in accordance with specifications of materials and workmanship and instructions referred to in the Notice Inviting Tender.

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

Thanking you.

Yours faithfully,

For M/s. : -----
(Signature of Contractor/ Bidder with SEAL)

Address : -----

DECLARATION FORM
(To be submitted in Envelop - II)

THE FOLLOWING DECLARATION TO BE SIGNED BY CONTRACTOR

Sl. No	DESCRIPTION	YES/ NO. (If Yes, give the following details)		
		Name and Designation of the Employee	Place of posting	Relation with the Employee
1	If a Bidder has relations whether by blood or otherwise with any of employees of BVFCL (Owner), the Bidder must disclose the relation at the time of submission of Tender, failing which BVFCL shall reserve the right to reject the Tender or rescind the Contract.			
2	P.F. Registration No. of the Contractor to be intimated along with Documentary proof thereof	P.F. Reg. No.		
3	PAN No. of the Contractor to be intimated along with Documentary Proof thereof	PAN No.		
4	VAT Registration No. of the Contractor to be intimated along with Documentary Proof thereof	VAT Reg. No.		
5	Service Tax (S.T.) Registration No. of the Contractor to be intimated along with Documentary Proof thereof	S.T. Reg. No.		

(Signature of Contractor/ Bidder with SEAL)

Address : -----

Place :

Date :