

TENDER DOCUMENTS

FOR

**'Hiring of expert personnel for execution of retrofitting job of
EMG drive turbine of Syn Gas Compressor of Ammonia -III plant'
at BVFCL, Namrup.**

NIT No.: N-III/Mech-5/Cont-954/961

DTD-30.01.2017

BVFCL, NAMRUP



**BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED
AMMONIA-III
MECHANICAL DEPARTMENT**

NAME OF WORK: 'Hiring of expert personnel for execution of retrofitting job of EMG drive turbine of SGC of Ammonia -III plant' at BVFCL Namrup.

Turbine Specification:

Manufacturer : M/S BHEL
Type : EMG 32/25 + WK 32/28-3
RPM : 13600
Power : 13110 KW

NOTE:

M/s BVFCL is undertaking the retrofitting job of EMG turbine under expert guidance of M/s BHEL.

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) Dismantling of connected lines wherever required.
- 2) Blinding / isolation of required connected lines.
- 3) Dismantling of coupling guard, coupling assembly between Turbine to gearbox.
- 4) Checking axial thrust float of rotor.
- 5) Disassembly of front and rear bearing covers and bearing assembly.
- 6) Locking of turbine and disassembly of all governing components mounted on turbine.
- 7) Loosening the parting plane bolts.
- 8) Jacking, leveling and lifting of top casing.
- 9) Grinding of GBC cap nut locking strips.
- 10) Loosening of front gland, steam chamber, all GBC, Intermediate glands & rear glands cap nuts and bolts.
- 11) Lifting of all top GBC & disassembly of front & rear glands.
- 12) Lifting of turbine rotor.
- 13) Lifting of all bottom GBC.
- 14) Bearing inspection after thorough cleaning.
- 15) Front and rear bearings blue matching in corresponding location(If replaced by new one).
- 16) All bottom spare GBC's centering and clearances checking, if necessary insitu machining/blue matching, needful corrections and final boxing up to be done.
- 17) Centering of new spare rotor.
- 18) Checking of all internal clearances of both axial and radial positions.
- 19) Assembly of top GBC and checking clearances.
- 20) Final tightening of all GBC's and tack welding of all GBC's Cap nuts with locking strip.
- 21) Assembly of top casing & tightening of all parting plane bolts.
- 22) Checking of turbine centering with needful corrections, if any.
- 23) Overhauling and assembly of Servomotor, control valves and ESV
- 24) Installation of Electronic governor as per M/s BHEL supervision.
- 25) Hooking up of main steam line (No stresses are being transferred to the turbine to be ensured), if necessary needful piping corrections are to be made.
- 26) Fabrication/manufacturing of new shims for thrust bearing float adjustment if required.
- 27) Final box up of front and rear bearings.
- 28) Alignment checking between turbine to gearbox, if necessary needful action is to be taken.
- 29) Boxing up of coupling assembly and coupling guards.
- 30) Oil flushing of total lube oil system.
- 31) Commissioning of turbine and synchronizing.

I SPECIAL TERMS & CONDITIONS:

1. CONTRACTOR'S SCOPE:

- 1.1 The party shall mobilize their experienced personnel **within 48 hours** of our intimation via Fax / Telephone / E-mail.
- 1.2 **The party shall execute the job under the supervision of M/s BHEL experts.**
- 1.3 **All measuring instruments like vernier caliper, dial gauge, micrometer, filler gauge, torque wrench, rotor centering lever type dial gauge etc. are under party's scope.**

2. BVFCL'S SCOPE:

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

- i) All required spares for execution of the work.
- ii) All tools and tackles including special tools, if any shall be under BVFCL scope.
- iii) BVFCL shall give prior information to the party for mobilization purpose.
- iv) Work fronts will be adequately cleared for expeditious execution of work.
- v) Workshop facility, to the extent possible.
- vi) Material handling equipments like mobile crane, forklift etc. with operator.
- vii) To & fro air/rail (Economy Class/II AC) fare for travel of Engineer & technicians will be reimbursed at actual subject to production of documentary evidence.
- viii) To & fro conveyance facility from Dibrugarh Airport to BVFCL guest house shall be provided free of cost.
- ix) Lodging & fooding facility for your Engineer & technicians at BVFCL guest house shall be provided free of cost.
- x) Local conveyance from BVFCL guest house to site and back shall be provided free of cost.
- xi) Personal Protective Safety Equipments like Safety Goggles, Face Shields, Safety Belts, Hand Gloves etc.
- xii) 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.

3. MOBILIZATION/COMPLETION PERIOD

- 3.1 Mobilization of manpower shall be done within 48 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.
- 3.2 **The job will be completed approximately in 20 days.**

II 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 48 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.46350/- 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).**

Bank guarantee as E.M.D in place of Demand draft shall not be entertained.

NSIC registered companies shall produce 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

10.2. 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

10.3. 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

10.4. If the Contractor abandons the contract

or

10.5. 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 actual deployed mandays 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-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.**

---0000---

(SPECIMEN COPY)

Ref: N-III/MECH-5/Cont-954/

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)

Ref: N-III/MECH-5/Cont-954/

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 **high speed steam turbine/centrifugal compressor of speed range of 7000-16000** 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/ power plant successfully with job completion certificate.

Certified that the above information is correct.

(SIGNATURE OF BIDDER WITH SEAL)

Name : -----

Dated : -----

Place : -----

(SPECIMEN COPY)

Ref: N-III/MECH-5/Cont-954/

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)

Ref: N-III/MECH-5/Cont-954/

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-954/

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

Job Name: 'Hiring of expert personnel for execution of retrofitting job of EMG drive turbine of SGC OF Ammonia -III plant' at BVFCL Namrup.

Manpower Requirement:

1. **Engineer : 02 nos**
2. **Technicians: 12 nos**

<u>Sl. No.</u>	<u>Description</u>	<u>Unit Rate (₹)</u>
1. (a)	Expert Engineer per day (8 hrs. basis) on normal working days	FILL VALUE IN ONLINE FORM
(b)	Overtime (beyond 8 hrs.) per hour and on weekly off days	FILL VALUE IN ONLINE FORM
2. (a)	Technician per day (8 hrs basis) on normal working days	FILL VALUE IN ONLINE FORM
(b)	Overtime (beyond 8 hrs.) per hour and on weekly off days	FILL VALUE IN ONLINE FORM

Note:

1. To & fro air/rail (Economy Class/II AC) fare for travel of Engineer & technicians will be reimbursed at actual subject to production of documentary evidence.
2. To & fro conveyance facility from Dibrugarh Airport to BVFCL guest house shall be provided free of cost.
3. Lodging & fooding facility for your Engineer & technicians at BVFCL guest house shall be provided free of cost.
4. Local conveyance from BVFCL guest house to site and back shall be provided free of cost.
5. The quoted rates shall be valid for all days of the week excluding **WEEKLY OFF DAYS**, if any.
6. Service Tax will be **EXTRA** as per prevailing rates.

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-954/

Date:

To

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

Sub.: 'Hiring of expert personnel for execution of retrofitting job of EMG drive turbine of SGC OF Ammonia -III plant' 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 :