

TENDER DOCUMENTS

FOR

**Major overhauling of the drive turbine of CO<sub>2</sub> Booster Compressor  
(10CR1T1) of Urea-III plant.**

**NIT No.: N-III/Mech-55/UB-III/21/Cont-246/6890**

**DATED: 29.12.2021**

**BVFCL, NAMRUP**



**BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED  
MECHANICAL DEPARTMENT**

## 1. **Machine description**

Equipment Name	: CO <sub>2</sub> Booster Compressor
Machine No.	: T- 0209
Turbine Type	: K 1000 GE-2
Compressor Type	: 2MCL 606 and 2MCL 358.
Normal/Rated/Trip Speed	: 7500/8100/9356 rpm
Normal/Rated point of drive turbine	: 3640/4850 kW
Rating of turbine	: 8100 rpm/5335 kW
BHEL work order no.	: 1-0-170-005
Turbine Assembly Drawing No	: 0-11-2215

## 2. **General Scope of Work**

Scope of work shall include but shall not be limited to the following for execution/ completion of work with estimated job completion period is 20 Days:-

### **A. Dismantling:**

- i) Dismantling of the connected lines wherever required.
- ii) Blinding / isolation of required connected lines
- iii) Opening of coupling guard between turbine and the compressor after stoppage of lube oil circulation
- iv) Checking & recording of axial float of the coupling.
- v) Decoupling of the coupling and inspection of the same.
- vi) Locking of expansion bellow of exhaust pipe.
- vii) Locking of spring supports provided in the exhaust line.
- viii) Checking & recording of axial float of the rotor with both active side and inactive side thrust pads in position.
- ix) Checking & recording of alignment readings between the turbine and the compressor.
- x) Checking & recording of rotor run out at coupling end.
- xi) Dismantling of both inboard & outboard journal bearings.
- xii) Checking & recording of nozzle ring clearance between nozzle ring and 1st turbine wheel with active side thrust pads in position and removing inactive side thrust pads.
- xiii) Removal of governor assembly and overhauling, as required.
- xiv) Locking of bottom casing and opening of casing bolts.
- xv) Removal of top casing.
- xvi) Checking of rotor assembly, diaphragm, labyrinths etc. for any abnormal wear & tear/ damage.
- xvii) Checking & recording of internal clearances of labyrinths, shrouds etc.
- xviii) Removal of rotor assembly and putting on stand.
- xix) Cleaning of all the stationary internals of top & bottom casing.
- xx) Inspection of L- Rings
- xxi) Inspection of labyrinths

### **B. Rotor Inspection:**

- i) Cleaning of rotor.
- ii) Checking & recording of rotor run out.
- iii) Checking & recording of bearing journal diameter at both ends.
- iv) Checking & recording of coupling hub fitting dimension and blue matching with the coupling hubs to be fitted.
- v) Decision for reuse or replacement of rotor.
- vi) All the checks from C(i) to C(v) if new rotor is to be used. Also, checking of overall dimensions of the new rotor and comparison with the existing rotor.
- vii) Installation of coupling hubs in case of new rotor.

### **C. Bearing inspection:**

- i) **Journal Bearing**
  - a) Dismantling, cleaning & inspection of bearing for any wear & tear/ peel off of white metal lining. Based on the inspection, decision for re-use/ replacement of bearings shall be taken.
  - b) Checking & recording of ID of bearing housing.
  - c) Drilling/ tapping for fixing of vibration probe brackets in case new bearing housing is used.

- ii) Thrust Bearing
  - a) Dismantling, cleaning & inspection of thrust bearing components.
  - b) Thorough inspection for any wears & tears/ peel off of white metal lining.
  - c) Measurement of thickness of each individual pad.
  - d) Inspection of pivot points of thrust pads for any wear & tears.
  - e) Inspection of base rings for wear & tear at pivot point area and its tilting action.
  - f) Decision for re-use/ replacement based on the above observations.
  - g) Recording of thickness of each pad, if new thrust pads are used.

**D. ESV inspection:**

- i) Dismantling, cleaning & inspection of ESV components.
- ii) Thorough inspection for any wears & tears.
- iii) Replacement of damaged / deteriorated ESV parts as required (parts to be provided by BVFCL)

**E. Governing system inspection:**

- i) Dismantling, cleaning & inspection of Governing System components (HP & LP Governing valves, actuators/servo motors, amplifier, etc.).
- ii) Thorough inspection for any wears & tears.
- iii) Replacement/reconditioning of damaged / deteriorated parts as required (parts to be provided by BVFCL)
- iv) Reconditioning of governing valve seats, if required.

**F. Steam/oil glands & seals:**

- i) Removal of all Steam/oil glands & seals from the turbine casing
- ii) Cleaning & inspection for deteriorated parts/fins.
- iii) Supply of aluminum fins & caulking wires of required quantity as per OEM standard suitable for steam/oil glands & seals of CO<sub>2</sub> Booster Compressor drive turbine.
- iv) Turbine casing glands & seals refining jobs has to be executed at site and deputation of experienced machinist capable for execution of the refining job.

**G. Turbine casing:**

- i) Cleaning & inspection of the turbine parting plane
- ii) Blue matching of the two halves of the turbine casing parting plane and execution of all necessary corrective rectification jobs.

**H. Assembly:**

- i) Replacement of diaphragms wherever required.
- ii) Replacement of labyrinths, oil guards etc. wherever required.
- iii) Putting of journal bearing bottom half in the lower casing.
- iv) Putting of rotor assembly in position.
- v) Keeping the rotor in running position and checking for its free rotation and measurement of total float without active & inactive side thrust pads.
- vi) Checking of bedding of journal bearing in bottom halves of the bearing.
- vii) Checking & recording of internal clearances of labyrinths, wheel shrouds etc. while keeping the rotor in running position.
- viii) Checking & recording of nozzle ring clearances between nozzle rings & first turbine wheel. If necessary, adjustment of the same as per recommended value with required shim.
- ix) Putting of both active & inactive side thrust pads of thrust bearing and measurement of axial float of the rotor. Any necessary adjustment with required shim to be done.
- x) Assembly of top half guide blade carriers
- xi) Assembly of steam glands
- xii) Putting of upper half of the casing and tightening of bolts.
- xiii) Removal of lower half casing lock.
- xiv) Oil inlet & outlet passage to journal and thrust bearings to be made free from any blockage.
- xv) Assembly of journal & thrust bearings assemblies.
- xvi) Checking of crushing clearance of both the journal bearings between bearing housing & bearing cover.
- xvii) Rechecking of axial float of rotor.
- xviii) Checking of baring gear device. Rectification job as required to be done.
- xix) Checking & recording of alignment of rotor shaft with governor shaft

- xx) Installation of governor assembly.
- xxi) Checking & recording of alignment reading between turbine and compressor.
- xxii) Locking of coupling sleeve of turbine and assembly of coupling guard.
- xxiii) No load trial run of the turbine and checking of vibration level.
- xxiv) Checking & setting of governing system calibration data to BHEL design data.
- xxv) Over speed trip check-up.
- xxvi) Stopping of lube oil circulation and removal of coupling guard.
- xxvii) Unlocking of coupling sleeve and coupling of turbine with the compressor.
- xxviii) Recording of coupling float. Keeping the coupling assembly approximately in the centre of the total coupling float.
- xxix) Assembly of all oil and fixing of meshes in inlet lines
- xxx) Checking of coupling lubrication pipe position and assembly of coupling guard.
- xxxi) Lube oil circulation and hand over.
- xxxii) Compilation of following relevant data:-
  - a) Nozzle Ring Clearance.
  - b) Total float of rotor
  - c) Axial float of rotor and shim thickness.
  - d) Journal Bearing Clearances.
  - e) Labyrinth & Shroud Clearances.
  - f) Alignment reading between turbine to governor drive shaft and turbine to compressor.
  - g) Over speed trip rpm.
  - h) List of spare parts replaced.
  - i) Valve lift of HP & LP servo motor vs. secondary oil pressure readings.
  - j) Any other relevant information including future course of actions.

### 3. **Contractors Obligation:**

- a) Collection, loading, transportation and unloading of spares which will permanently go in to the machine, from BVFCL stores to site.
- b) You shall be responsible for arrangement and deployment of total workforce including supervisory staff and engineer.
- c) PF & Group Insurance of personnel engaged in the job.
- d) Personnel Protective Equipments (PPE) of personnel engaged in the job
- e) The turbine, governing system & ESV shall be overhauled in line with OEMs standard.
- f) All tools and tackles, whatsoever required (if otherwise not mentioned specifically) to meet the entire scope of work shall be in your scope. This shall also include Precision Measuring tools, Slings and D-shackles required for the said purpose.
- g) All consumable such as emery papers, hand gloves, looking mirror, protective glasses, etc.
- h) All special electrodes specifically required for the entire scope of work
- i) Any welding works required.
- j) Supply of spares on emergency basis requirement of which may arise during execution of the job. The price of the spares will be as per prevailing market price.
- k) Safety and Security of the machine and of the spare parts, since handing over of the work front till taking over by the BVFCL
- l) Any other requirement(s), not specifically mentioned herein above and not mentioned otherwise, but essential to meet the entire scope of work
- m) Submission of a detailed report of the work done after completion of job.
- n) All fins & caulking wires materials.
- o) Steam compounds and sealing compound.
- p) To follow all COVID-19 SOP as issued by Govt. of Assam at the time of execution of the job. The expenses (if any) towards testing shall be in contractor's scope.

### 4. **BVFCL'S Obligations:**

- a) All spares required for execution of the job will be made available free of cost.
- b) Lubricants will be arranged free of cost.
- c) The following facilities to the extent possible will be provided free of cost:
  - i) Workshop facilities for refining job & other machining jobs
  - ii) Material handling equipments like mobile crane, etc. with operator.

- iii) EOT Crane at site
  - d) The following will be made available free of cost.
    - i) Wooden sleepers, packers and wooden planks.
    - ii) Compressed air, steam, water and electric power (415V, 230V, 24V).
    - iii) Gaskets.
    - iv) Adequate illumination for entire work area.
    - v) Coordinators during working hours.
    - vi) Site stores / site office.
  - e) Special tools supplied by OEM as available shall be provided.
  - f) BVFCL will provide open space near work site for temporary storage of materials under the security of the contractor.
  - g) General safety and security will be extended by BVFCL as per standard practice.
  - h) Accommodations at BVFCL's Guest house shall be provided by BVFCL at free of cost.
5. **TIME SCHEDULE**
- a) Mobilization of Men and Material shall be done within 10 (ten) days of our intimation by Fax / Telephone / E-mail. However, the mobilization should be done as quickly as possible and the Tenderer 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 completion period for the entire scope of work will be 20 (twenty) days from the date of site clearance excluding mobilization period. Subject to and depending on the availability of work fronts the executing agency or agencies will be intimated adequately in advance to enable site mobilization.
6. **GENERAL TERMS & CONDITIONS:**
- a) 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. No extra claim / overtime shall be paid on this account.
  - b) **Validity of Contract:** The job shall be taken up during annual turn-around of Namrup-III group of plants / the next available opportunity. Normally, a notice of 10 days would be given for mobilizing 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 (twelve) months reckoned from the date of its award.
  - c) **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.
  - d) Interested Tenderer after studying the tender documents carefully, may obtain necessary clarifications, if any in writing before tendering, Submitting of tender implies that the Tenderer has obtained all the clarifications required. No claim on ground for want of knowledge in any respect will be entertained. No claim for extra charge consequent on any misunderstanding or otherwise will be allowed.
  - e) Bidder to acquaint himself fully: The Bidder may visit the site and shall acquaint himself fully and thoroughly with the conditions and limitations including scope, requirements and official/statutory regulations, under which, conforming to which and subject to which, services / work are to be performed by him. Failure to comply with the aforesaid requirements will not relieve the BIDDER of his obligations in the event of his tender being accepted nor will any claim whatsoever be entertained on the plea of ignorance or overlooking.
  - f) The company reserves the right to accept the lowest or any other tender in part or in full or award parallel contracts or reject all or any of the tenders without assigning any reasons.
  - g) The following tenders will be liable to summary rejection:
    - i) Tenders submitted by Tenderer who resort to canvassing.
    - ii) Tenders, which do not fulfill any of the conditions, laid down in the Tender Documents or are incomplete in any respect.
    - iii) Tenders not accompanying the required details / Tender Cost / Bid Security Declaration etc.
    - iv) Tenders received late / delayed.
    - v) Tenders, who contain uncalled for remarks or any alternative additional conditions.

7. **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 commissioning after 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 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. The Contractor shall be responsible for the proper workmanship and shall not be relieved of his obligation in this regard just because BVFCL did not raise any objection during the progress of the work. The decision of the Owner regarding treatment on bad workmanship shall be final, binding and conclusive.

Any defect noticed during various stages of inspection, while the work will be under progress as per scope, shall be rectified/made good by the Contractor to the satisfaction of BVFCL before proceeding further. Irrespective of the inspection, repair and approval at intermediate stages of work, the Contractor shall be responsible for making good any defect found during final inspection and guarantee period.

8. **Performance guarantee/ Security Deposit (SD):**

The successful tenderer shall execute performance guarantee against quality of workmanship at the rate of 3% of the contract value in the form of a Bank guarantee from a scheduled nationalized bank in favour of M/s. Brahmaputra Valley Fertilizer Corporation Limited, Namrup, P.O. Parbatpur, Dist: Dibrugarh (Assam), PIN-786623. The Bank Guarantee so executed shall be valid till the expiry of defect liability period as per Clause No-7. No interest shall be paid on S.D. In case Performance Guarantee / Security Deposit for 3% of contract value are not executed the same shall be deducted from the bills and retained till the expiry of the guarantee period.

9. **PAYMENT TERMS:**

- i) 97% payment will be released within 30 days after successful completion of work, final inspection by Engineer – in- charge, BVFCL and on submission of Bill duly certified by the Engineer – in – Charge of the work after deductions, if any.
- ii) 3% of the contract value shall be retained with BVFCL, Namrup as security deposit which will be released after satisfactory completion of six months guarantee period. No interest shall be payable by BVFCL on security deposit. 3% payment shall be made against submission of performance bank guarantee as per Clause-8 against security deposit.
- iii) Clarification on the bills, if any, will be sought within 15 days from the date of receipt of the bill in one go. The party shall submit the sought clarifications within 15 days. Payment will be released within 30 days of receipt of the rectified bill/clarification.
- iv) In case of any disagreement between contractor and BVFCL on any part of the invoice, such part of the invoice will be severed from the rest and payment against agreed admissible part will be processed as per laid down procedure, while the disputed part shall be dealt as per contract provisions.
- v) GST at the applicable rate shall be paid party on production of certificate of having valid registration with the appropriate tax authority.
- vi) Income tax & other statutory deductions as applicable shall be deducted from the bill.
- vii) Payment will be made through RTGS/NEFT. The party shall provide relevant bank details.
- viii) Tax Deduction at Source: Statutory deduction on account of Income Tax / Works Tax & other Taxes on Works Contracts shall be made from the bill of the Tenderer at the prevailing rates, as per Income Tax Laws / Commercial Tax Laws of Assam at the time of release of payment to the Tenderer.

10. **Liquidated Damages:** In the event of work is not completed according to the time schedule, you shall have to pay Liquidated Damages to BVFCL @ of 0.5 % of the total value of work for delay of every week or part thereof, subject to a ceiling of 7.50 % of the total value of the work.
11. 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 the contract.
12. **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.
13. **Preservation of Free Issue Material:** All materials issued to the Contractor by the Owner shall be preserved against deterioration while under Contractor's custody. Any damage / losses suffered on account of non-compliance with the requirement stipulated herein shall be considered as losses suffered due to willful negligence on the part of the Contractor and he shall be liable to compensate BVFCL for the losses at penal rates to be determined by the Engineer-In-Charge with reference to the rates charged for the purpose of recovery and shall be final and binding on the Contractor.
14. The Contractor shall comply with the provisions of Contract Labour (Regulation & Abolition) Act 1970 and rules framed there under & amended from time to time.
15. **Sub-Contracting:** Sub-Contracting of the work or part thereof will not be allowed without prior permission of the owner, i.e., BVFCL, Namrup and this shall be a ground for termination of the contract.
16. 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.
17. **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. 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.
18. **Workmen Compensation / Insurance**
  - i) The contractor shall at all times indemnify the owner against any claim which may be made under the ESI Act 1948 or any statutory modifications thereof or otherwise for or in respect of any damage or compensation payable in consequence of any accident or injury sustained by any workman or other person whether in the employment of the contractor or not.
  - ii) The BVFCL will not be responsible for any injury sustained by the workers of the Contractor during the execution of the above contract, any damage, compensation due to any dispute between the Contractor and his workers. All liabilities arising out of any provision of Labour Acts / Enactments hereto in force shall be the responsibility of the Contractor. BVFCL under the Contract will recover any other expenditure, incurred by BVFCL to face the situation arising out of the negligence of the Contractor from his dues payable.
19. The Contractor shall indemnify and keep indemnified the BVFCL against all losses and claims for injuries or damages to any person or property of BVFCL whatsoever which may arise out of the consequence of the execution of works either negligently or otherwise and against all claims, demands, proceeding damages, cost, charges and expenses thereto whatsoever in respect of or in relation thereto.
20. The Contractor shall ensure that all the formalities, required to be completed under the existing laws of India for and/or in connection with engaging/employment of labourers have been fulfilled. BVFCL shall be under no obligation to accept / admit any claim on this behalf.
21. **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 job. 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.

22. The Contractor may employ such employees / labourers as he may think fit. Such employees would be the employees of the Contractor for all-purposes and shall not be deemed to be in employment of BVFCL for any purpose whatsoever. The Contractor shall adhere to all the Laws, Rules and Regulations concerning employment or service conditions of his employees that may be in force from time to time. If under any eventuality BVFCL is held liable or responsible in any manner whatsoever for the default or omission on the part of the Contractor in abiding by the aforesaid Rules, Regulations & Laws or held liable or responsible to the employees of the Contractor in respect of any matter whatsoever and is called upon to make payment on that account the Contractor shall reimburse BVFCL the same as also any other expenses, costs & charges incurred by BVFCL in any proceedings or litigation arising out of any claim, demand or act on the part of the Contractor. BVFCL shall be entitled to claim damages or compensation from the Contractor in that event. BVFCL shall also be entitled to recover the aforesaid amount from the money that may become due and payable to the Contractor.
23. The Contractor shall be liable to the company for any Omission or Commission on his part or on the part of his employees causing any loss, damages or inconvenience to the plant/company. It shall be understood by the Contractor that in the event of any losses/damages caused to the owner due to the reasons whatsoever within his control and that the same losses/damages are proved the Contractor shall compensate for/make well all the consequential losses/damages to the owner without any protest & demur. These losses/damages shall be over and above the other claims/damages to which the owner is entitled to be compensated for under the contract or the course of law.
24. **Alterations, Omissions, Additions Or Substitutions of Work:**
- i) BVFCL shall have power to make any alteration in, omission from, addition to, or substitutions for original specifications and instructions which may be considered necessary, during the progress of work, and the Contractor shall carry out the work in accordance with any instruction that may be given to him in writing duly signed by the Engineer-In-Charge. Such alterations, omissions, additions, substitutions shall not invalidate the contract and any altered, additional or substituted work, which the Contractor may be directed to do in the manner specified above as a part of the work, shall be carried out by the Contractor on the same conditions in all respects at which he has agreed to do the main work.
  - ii) If the rates for additional, altered or substituted work are specified in the contract for the work, the Contractor shall be bound to carry out the additional, altered or substituted work at the same rates as per specifications in the rate contract for that work.
  - iii) In the event that the extra or substituted items of work do not fall in the above category the cost will be calculated on the basis of actual labour and consumable materials utilized for extra items. The quoted rates will be inclusive of Overheads and Profit. The Engineer-In-Charge will assess the quantum of Labour and consumable materials used and his decision in this respect will be final and binding upon the Contractor. The Contractor will be required to obtain BVFCL's prior approval for rates payable to him for such extra items.
  - iv) In case the Contractor fails to do the extra and / or the substituted work, BVFCL will have the option to get the work done through another agency at the Contractor's Risk and Cost as per Clause No. 21 of General Terms & Conditions.
25. **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

**26. Safety Regulations:**

The contractor shall observe and abide by all fire and Safety regulations of the 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, he will do familiarize him with such regulations, copies of which will be furnished to him by BVFCL, when requested. He shall be responsible for and must make good to the satisfaction of the BVFCL any loss or damage due to fire to any portion of the work to be done under this agreement or to any of the BVFCL's existing property. All the accidents to contractor's staff will be reported to the Safety Officer promptly. This will however not relieve the contractor of any statutory obligation. The contractor shall not undertake any hot job without safety work permit. He has to maintain First Aid Box in his office. Also necessary safety equipment like Helmets, Hand Gloves, Face Shield, Safety Belt etc are to be provided to his workmen by the contractor. However special Safety equipment required as per the job requirement will be provided by BVFCL free of cost. For any default / accident / loss due to negligence of Contractor/ workers, the liability of Contractor shall be "Absolute liability".

**27. 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.

**28. Jurisdiction:** For any disputes regarding this contract, the exclusive Jurisdiction shall lie in courts situated at Dibrugarh (Assam) only.

**29. Agreement:** The Contractor's responsibility 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. The successful Tenderer shall have to execute an Agreement with Brahmaputra Valley Fertilizer Corporation Limited, Namrup, on a non-judicial stamp paper of ₹ 100/- within 10 (Ten) days of date of receipt of LOI / Work Order or before start of job 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 Brahmaputra Valley Fertilizers Corporation Limited.

**30.** 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. (Tel No: 0374 2507092/ 0374 2507167).

For and on behalf of  
Brahmaputra Valley Fertilizer Corporation Ltd.

(P.K. Banik)  
DGM(Maint.)

**SCHEDULE OF WORK, QUANTITY & RATES**

Sr. No.	Description	Rate (₹)	Amount (₹) (In Figures & Words)
1	Major overhauling of the drive turbine of CO2 Booster Compressor (10CR1T1) of Urea-III plant	Lump sum	
2	GST@.....%		
Total amount			

(Rupees .....)

Notes:

1. TDS shall be applicable as per Income Tax Rules.

(SIGNATURE OF TENDERER)

Name \_\_\_\_\_

Date \_\_\_\_\_

Place \_\_\_\_\_

## **BID SECURITY DECLARATION**

I, -----Son /Daughter of Shri -----  
-----Proprietor/Partner/CEO/MD/Director/ Authorized Signatory of M/s. -----  
-----am competent to sign this declaration and accepting "BID SECURITY  
DECLARATION" In lieu of Bid Security.

I/ we am/are well aware of the fact that withdrawing or modifying our bids during the period of validity etc,  
would lead to suspension of our tender for the time specified in the tender documents as per the office  
memorandum dated 12.11.2020 of Rule 170 of General Financial Rules (GFRs) 2017.

I have carefully read and understood all the terms and conditions of the tender and hereby convey my  
acceptance of the same.

Yours faithfully,

For M/s. \_\_\_\_\_

(Signature of Contractor/ Tenderer with SEAL)

Address : -----

-----

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Date : -----

**DECLARATION FORM-I**

Quotation No.: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

To,  
The DGM (Maint.)  
M/s. Brahmaputra Valley Fertilizers Limited, Namrup  
Parbatpur-786623, District- Dibrugarh, Assam.

Subject: Notice Inviting Tender for major overhauling of the drive turbine of CO<sub>2</sub> Booster Compressor (10CR1T1) of Urea-III plant.

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 major overhauling of the drive turbine of CO<sub>2</sub> Booster Compressor (10CR1T1) of Urea-III plant at the rates quoted in the attached Schedule of Rates and in accordance with the specifications, standards and instructions in writing to the Engineer-in-charge of M/s. Brahmaputra Valley Fertilizer Corporation 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 Security Deposit lodged with Brahmaputra Valley Fertilizers Limited, Namrup.

Yours faithfully,

For M/s. \_\_\_\_\_

(Signature of Contractor/ Tenderer with SEAL)

Address : -----

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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 Contractor/ Tenderer with SEAL)

Name : -----

Address : -----

Date : -----

**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 Contractor/ Tenderer with SEAL)

Name : -----

Address : -----

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Date : -----

**DETAIL OF EXPERIENCE**

Tenderer shall give information of similar works done during the past five years strictly as per Performa given below:

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

Certified that the above information is correct.

(Signature of Contractor/ Tenderer with SEAL)

Name : -----

Address : -----

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Date : -----

## **PRESENT COMMITMENTS**

Tenderer shall furnish the details of their present commitments strictly as per this Performa.

Sr. No.	Name of work	Name & address of client with the name of person under whom the work is being executed	Contract Value	Brief description of work	Contracted date of completion with the date of start of work	% completed as on date	Expected date of Completion of balance work with approx. value of such balance work

Certified that the above information is correct.

(Signature of Contractor/ Tenderer with SEAL)

Name : -----

Address : -----

Date : -----



## **ELIGIBILITY CRITERIA FOR SIMILAR EXPERIENCE**

1. Tenderer should have experience of similar work in any Reputed continuous process fertilizer plants/refineries/petrochemicals under Central PSU/State/JV PSU and private sector as detailed below:
  - a. The bidder should have experience in maintenance of high speed steam turbines as per scope of work of more than 7500 RPM.
  - b. The bidder should have infrastructure and experience of supply, machining, refining and fixing of fins of steam glands, Labyrinth seals, Internals of Steam turbines and shall furnish documentary evidence for the same.
2. The bidder shall furnish documentary evidence in form of Work Order / Contract copies along with satisfactory completion certificates in support of their claim of doing such work directly by them on their independent capacity (work order should be issued by the organization directly on the contractor who has participated in the tender. The job carried out by the contractor for the organization through other agency where the work order is not in the name of the contractor shall not be considered for further evaluation purpose i.e WO in the capacity of sub-contractor shall not be accepted) and successfully completed during the last 7 (Seven) years ending last day of month previous to the one in which applications are invited should be either of the following –
  - a. Three similar completed works each costing not less than ₹ 6.37 lakhs.
  - b. Two similar completed works each costing not less than ₹ 7.95 lakhs.
  - c. One similar completed work costing not less than ₹ 12.73 lakhs(These values in a, b & c are exclusive of GST)