

**TENDER DOCUMENTS FOR MAJOR OVERHAUL AND INSPECTION (MOI) ALONG  
WITH OTHER ASSOCIATED JOBS OF GAS TURBINES GENERATOR (GTG-I) IN  
CAPTIVE POWER PLANT ON TURNKEY BASIS, BVFCL, NAMRUP**

N-III/18/Mech-CPP/Cont-673/3513

**Dated: 12/01/2019**

**DUE DATE OF SUBMISSION**

**11/02/2019 (3:00 PM)**



**BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED  
MECHANICAL DEPARTMENT**

**Name of the Work:**

Major Overhaul and inspection (MOI) along with other associated jobs of GTG-I of Captive power plant on turnkey basis

**Machine Details:**

Gas Turbine Generator  
Model: 5001 P  
Frame –V  
Control system: Mark II  
Make: M/s Nuovo Pignone, Italy  
Machine Serial No: 05280(NP)/ 281986(GE)

**1.0 SCOPE OF WORK:**

If specifically not mentioned herein after or not mentioned anywhere else, the scope of work for Major Overhaul Inspection of Gas Turbine I shall include but not limited to the following:-

The job may be broadly classified but not limited to following:

- A. MOI of gas Turbine, flange to flange
- B. Other associated jobs-
  - 1. Inspection & Overhauling of LGB
  - 2. Inspection & Overhauling of AGB
  - 3. Inspection and repairing of Exhaust plenum if any.
  - 4. Calibration of GCV, IGV & SRV as required
- C. Submission of detailed report

**1.01 Major overhauling of Frame V Gas Turbine. Flange to Flange:**

**A. Pre Shutdown**

- 1. Prior to shutdown, recording of operating data.
- 2. Unit shutdown and cool down.
- 3. Checking the operation of doors, fans, leakages and emergency pump operation.

**B. Dismantling**

- 1. Dismantling of exhaust, turbine compartments, roof & side panels, vent fans & ducts.
- 2. Removal of load coupling guard and decoupling as required.
- 3. Checking and record initial alignment between LGB & Turbine.
- 4. Removal of accessory coupling guard and decoupling as required.
- 5. Checking and record initial alignment between AGB & Turbine.
- 6. Removal of flame detector and spark plugs
- 7. Removal of thermocouples as required.
- 8. Removal of cooling and sealing air piping, devices as required.
- 9. Removal of fuel piping, fuel nozzles, and combustion chamber/can covers.
- 10. Removal of combustion chamber accessories-X-fire tubes, retainer ,liner etc
- 11. Removal of combustion chamber case/can as required.
- 12. Removal of Flex seals from both Fwd as well as Aft ends of exhaust plenum.
- 13. Take initial rotor positioning checks.
- 14. Providing support jacks under GT.
- 15. Removal of inlet elbow, ducts, bell mouth (inlet casing) etc.
- 16. Removal of transition pieces.
- 17. Removal of turbine & compressor casing upper halves.
- 18. Removal of 1<sup>st</sup> and 2<sup>nd</sup> stage nozzles, buckets and shrouds.
- 19. Removal of inlet casing and exhaust casing upper halves.
- 20. Removal of compressor discharge casing.
- 21. Measurement and record rotor thrust float.
- 22. Removal of rotor.
- 23. Measure and record initial turbine clearances and compressor clearances.
- 24. Measure and record bearing clearance
- 25. Disassembling Bearing-1 & 2, seals as required.
- 26. Removal of all lube oil, hydraulic oil filters cover and check pipelines.

**C. Inspection and cleaning**

1. Cleaning of Fuel nozzles as required.
2. Cleaning of Liners, Transition pieces, Crossfire tubes and retainers as required
3. Cleaning of 1<sup>st</sup> and 2<sup>nd</sup> stage nozzles, buckets and shrouds as required.
4. Inspection of IGV.
5. Measure and record Gear backlash & inner and outer bush clearances.
6. Inspection of Bearing 1 & 2, seals as required.
7. Cleaning of Compressor stator vanes and rotor blades and inspection (NDT).
8. Cleaning of all lube oil, hydraulic oil filters and pipelines.

**D. Replacement**

1. Replacement of parts as per requirement.
2. Replacement of 1<sup>st</sup> stage nozzles buckets and shrouds.
3. Replacement of 2<sup>nd</sup> stage nozzles buckets and shrouds.
4. Replacement of IGV and its hardware

**E. Machining/Drilling**

1. Cleaning all tapped holes
2. Removal of all broken bolts and drilling/Tapping as required.
3. All other damaged/undamaged threads to be cleaned and re-tapped as required.

**F. Assembly**

1. Reassemble the turbine with old/new components as required.
2. Reassemble bearing 1 & 2 bottom half
3. Positioning the rotor.
4. Reassemble both bearings and check rotor thrust float.
5. Correct rotor thrust float as required (machining of thrust shim as required).
6. Check final turbine & compressor clearance and record.
7. Assembling all casings.
8. Install 1<sup>st</sup> and 2<sup>nd</sup> stage Nozzle, buckets and shroud as per standard procedure.
9. Removal of support jacks under the casings.
10. Check and record final rotor positioning.
11. Install IGV and its hardware, inlet plenum
12. Install Fwd & Aft Flex seals
13. Install wheel space thermocouples and wiring.
14. Install X-fire tubes, retainer, liner etc
15. Re-assemble combustion chambers, case cover
16. Installation of Fuel nozzles, spark plug, flame detector etc
17. Install all cooling and sealing air pipelines, gas lines and devices as required
18. Install turbine compartment roof, side panels etc
19. Install compartment vent fan and ducting
20. Check, Correct and record alignment between turbine and AGB.
21. Install Accessory Coupling and coupling guard.
22. Check, Correct and record alignment between turbine and LGB.
23. Install Accessory Coupling and coupling guard.
24. Install all lube oil & hydraulic oil filter elements.
25. Cleaning, Visual Inspection and pre-start check.
26. Post shutdown performance monitoring at FSNL and record of all operating parameters.
27. Load test.
28. Rectify problem during FSNL & Load, if any.

**1.02 Load Gear Box Inspection and Overhauling:**

- A. Decoupling of offload Gear Shaft from turbine and generator side.
- B. Removal of LGB compartment enclosures along with the fan & ducts.
- C. Removal of instruments as required.
- D. Removal of load gear box top cover.
- E. Check and record gear backlash and float

- F. Removal of the gears.
- G. Inspection of all component including bearings and seals.
- H. Check and record clearances.
- I. Replacement of Bearings, Seals if required.
- J. Installation of gears.
- K. Checking, correct & record of alignment, clearances, backlash ,float
- L. Boxing up of LGB top cover.
- M. Ensure no oil leakage from parting planes, coupling guards, oil deflector etc.
- N. Alignment of LGB to Turbine
- O. Assembling coupling
- P. Install all the instrument

**1.03 Accessory Gear Box Inspection and Overhauling:**

- A. Removal of instruments as required.
- B. Dismantling the auxiliary equipment, pipelines connected with the AGB.
- C. Removal of AGB top cover.
- D. Check and removal of shafts, bearings, seals, gears, nozzle etc.
- E. Check and record gear backlash and float.
- F. Inspection of MOP gear and bearings.
- G. Inspection of all bearings and shaft 1,2,3 & 4
- H. Install/Replacement as required.
- I. Check and record backlash and float.
- J. Install gear one by one sequentially.
- K. Install all the accessories in position
- L. Boxing up of LGB top cover.
- M. Ensure no oil leakage from parting planes, coupling guards, flanges, pipelines etc.
- N. Inspection of over speed Trip mechanism.
- O. Inspection of starting clutch mechanism
- P. Alignment of AGB to Turbine
- Q. Alignment of AGB to starting diesel engine.
- R. Install all the instrument

**1.04** Inspection and repairing of Exhaust plenum trays/side & bottom panels if any

**1.05** Calibration of GCV, IGV & SRV as required

**2.0 Completion period:**

25 (Twenty five) days after handing over the machine  
(Inclusive of 72 hours post working performance monitoring run).

**3.0 MOBILIZATION PERIOD**

Mobilization of manpower shall be done within 15 days of our intimation by Fax / Telephone / E-mail. However, the mobilization should be done as quickly as possible. The site mobilization shall be completed within agreed Time Period.

**4.0 Submission of Detailed Overhaul & Inspection Report:-**

**4.01** Two original Sets of reports will be submitted within 2 weeks of completion of overhaul.

These reports will have sufficient photographs, filled up standard forms for various components inspected, detailed assessment of damages reference to part number & repairs needed at next inspection/ overhaul.

**4.02** In addition, two (02) sets of interim report listing major observation during overhaul will be submitted immediately on completion of the work.

**5.0 Participation of MSEs**

**5.01** MSEs shall be given benefit of Tender Document Free of cost, exemption from submission of EMD

**5.02** The price preference to MSE's shall not be applicable in this tender.

**5.03** As the job is a critical nature, PQC relaxation for start-up & MSE bidders shall not be applicable.

## **6.0 CONTRACTOR'S SCOPE:**

- 6.01** The scope of work for Major overhaul Inspection of Gas Turbine shall include all the jobs as specified by the Supplier/ Original Equipment Manufacturer to meet the standard requirements as set out in conformity with applicable International Standards.
- 6.02** In addition to the above, replacement of old used filter elements provided in the Lube Oil, Control Oil & HP Oil system with new filter elements is also included in the scope of work.
- 6.03** Arrangement of test kits & consumables for Non-Destructive Testing as required (as per standard practice) and execution of all the jobs associated with Non- Destructive Testing and subsequent Inspection.
- 6.04** Arrangement of all consumables whatsoever required during execution of the work.
- 6.05** Arrangement of special sealing compounds of approved make and brand meeting the standard specification as set out for application in Gas Turbine Reassembly.
- 6.06** Arrangement of all tools & tackles like special tools as required for disassembly & reassembly, measuring tools, pulling & lifting machine, slings, ropes, eye-bolts, grinding & drilling machine fitted with magnetic base, Gas cutting set including gas cylinders, welding machine set, Mechanical screw jacks, scaffolding materials etc
- 6.07** Collection, loading, transportation and unloading of spares which will go permanently in to the machine, from BVFCL's main store to contractor's site-store. Unused spares to be carried back to BVFCL's main store.
- 6.08** Arrangement of Engineers, Supervisors and workforce including operator for 20 Ton Capacity EOT crane. CV of all the personnel to be deployed for execution of work shall be submitted before starting the job.
- 6.09** Disassembly and assembly of parts / subassemblies, checking, cleaning & preparing and reassembling after testing the sub assemblies.
- 6.10** Contractor shall make all temporary connections for connecting utilities (air/water/power) to the point where needed on the gas turbine.
- 6.11** Continuous site housekeeping and regular maintenance utilities for this job.
- 6.12** To return the dismantled / excess / scrap material to BVFCL store & shall follow the instructions of engineer in-charge. The site shall be left clean after the completion of job.
- 6.13** The contractor shall understand that he is working in a major shutdown and shall work accordingly. The scope of work & sequence of operation given is only as guidelines of major operations involved and the contractor shall carry out any such minor jobs not detailed herein which may be needed for execution of this job.
- 6.14** Removal of all the slip plating in the flanges & lapping of gasket surfaces properly & piping with valves shall be boxed up & tightened with special tools.
- 6.15** Personal Protective Safety Equipment like Safety Helmets, Safety Goggles, Face Shields, Safety Belts, Hand Gloves etc. In case, if the contractor does not provide the Protective Equipments, then the same will be issued to them on "Non-Returning Basis", and the equivalent cost of the same will be recovered from their payments.
- 6.16** Required Manpower like Technicians, Special Fitters, Grinder, Riggers, and Semi Skilled Workers, Welders etc. to complete the job within time schedule and as per requirement of site.
- 6.17** To & fro Local Travelling, Lodging and Boarding of their staff and workers from work site to their place of stay.
- 6.18** Pre shutdown performance assessment of the Gas Turbine and post working 72 (Seventy two) hours performance Monitoring.
- 6.19** Rectification of post working defect, if any, arising out of reasons attributable to poor workmanship. However, the spares that will go permanently in to the machine shall be made available by BVFCL as free issue.
- 6.20** Arrangement of any other item not specifically mentioned hereinabove or not mentioned anywhere else, but required to complete the entire scope of work, shall be included in contractor's scope.

## **7.0 BVFCL'S SCOPE:**

- 7.01** All spares, which will permanently go into the machine, shall be made available as free issue. However, in case of shortfall of spares during execution, party has to arrange the same on payment basis
- 7.02** Lubricants shall be made available as free issue.
- 7.03** Air, Steam, Water and Electricity as required for the job, shall be made available at single Utility point at free of cost.

- 7.04** Workshop facilities to the extent possible, shall be made available at free of charge. Mobile cranes, if required, including operator, shall be made available to the extent possible on chargeable basis as per BVFCL rate.
- 7.05** Temporary Site office –cum-store facility near work site shall be made by you. Space for the same shall be provided.
- 7.06** Guest house Facility for Your Engineers may be made available on chargeable basis subject to availability.
- 7.07** Unfurnished quarter type accommodation may be made available for your supervisor & workforce on chargeable basis at the rate as applicable to outside party subject to availability.
- 7.08** Temporary gate pass facility for your personnel will be extended subject to submission of application in standard format along with complete details of personnel.
- 7.09** Safety work permit for carrying out job shall be made available.
- 7.10** Medical facilities to the extent possible shall be extended on chargeable basis at the rate as applicable to outside party. However first aid facility shall be extended free of cost.
- 7.11** General security as per rules of the corporation shall be provided.

## **8.0 PRE OUTAGE MEET:**

A pre outage meeting will be held between successful bidder and M/s BVFCL prior to taking up the job on a mutually agreed date (preferably within 15 days of award of work order/LOI) for assessment/confirmation of spares available for MOI of GTG-I.

## **9.0 TIME SCHEDULE:**

- 9.01** The tentative date of commencement of work would be **APRIL-JUNE 2018**. However, the same may get pre-pone or post-pone as per plant requirement. Mobilization of Men and Material shall be done within 15 days of our intimation by Fax / Telephone / E-mail. However, the mobilization should be done as quickly as possible and the Tenderer shall mention the Minimum Time Period, required for site mobilization in the Tender. The site mobilization shall be completed within agreed Time Period.
- 9.02** Work shall be done on round-the-clock basis including on intervening Sundays, holidays etc. so as to complete the job within 25 (Twenty five) days after handing over the machine by BVFCL. The completion time shall be inclusive of 72 hours post working performance monitoring run.
- 9.03** The successful bidder shall submit a work-time schedule for entire scope of work and shall submit daily progress report for close monitoring of the progress made.
- 9.04** The start of job will be so planned so that it immediately commences on completion of mobilization period of 15 days.
- 9.05** In case the service provider / contractor is able to complete the job at an earlier date then the Gas turbine can be tested prior to completion of 25 days and the contractor can be released from site at an early date.
- 9.06** Time will be crucial part of this job as in no case any activity can be delayed.
- 9.07** Damages for delay as per contract will be applicable in case of delay in completion of this job is attributable to the contractor.

## **10.0 INSPECTION:**

- 10.01** The contractor shall carry out inspection for entire scope of work of MOI in accordance with standard practices as prescribed by GE/OEM and as per standards set out by leading manufacturers of similar frame-V Gas turbine.
- 10.02** The inspection report in standard format as prescribed by GE/OEM and as per standards set out by leading manufacturers of similar frame-V Gas turbine shall be submitted in triplicate dully filled in and signed by the inspection engineer of contractor and counter signed by the site-in-charge of the contractor under official seal.
- 10.03** The entire work covered under contract shall be inspected by BVFCL's Engineer In-Charge from time to time as well as on its completion subject to Inspection as below. The work will have to be completed to the entire satisfaction of the Engineer In-Charge.:
  - 10.03.1** **Prior to job starting:** Manpower, Equipment / Machines, Tools and Tackles, Consumables, Personal Protective Equipment etc., all are as per scope mentioned above at "Contractors Scope".
  - 10.03.2** **During job in progress:** As per "Scope of Work" mentioned above.
  - 10.03.3** **After completion of job:** Returning of material and cleaning of site as per scope mentioned above at "Contractors Scope".

## **11.0 GENERAL TERMS & CONDITIONS:**

**11.01** Interested Tenderer, after studying all the tender documents carefully, may also see the job physically at site and obtain necessary clarifications, if any, in writing before submitting their tender. The tenderer should satisfy himself with the site conditions prevailing at the place of work. **No claim on ground of want of knowledge in this respect will be entertained. No claim for extra charges consequent upon any misunderstanding or otherwise will be allowed.**

**11.02** **Validity of Contract:** The contract shall remain **valid for a period of 12 (Twelve) months** reckoned from the date of its award. The job can, therefore, be got done any time during the tenure of the contract. Normally, a Notice of 10 days would be given for starting the job but the Tenderer should be able to mobilize as quickly as possible, if the necessity so arises.

**11.03** **Escalation in Rates:** The rates quoted will be 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.

**11.04** **Earnest Money Deposit:** The Tenderer shall make a deposit of Rs. 209208.00 (Rupees Two Lakh Nine Thousand Two Hundred Eight) only as Earnest Money deposit in the form of an A/c Payee Demand Draft, payable at SBI, Namrup (Branch Code: 0223.) drawn in favour of M/s. Brahmaputra Valley Fertilizers Corporation Limited, Namrup or Bank guarantee of equivalent amount. Bank Guarantees submitted as Earnest Money shall be valid for 28 days beyond the validity of bid of 6 months. No interest shall be payable on EMD.

### **11.04.1** **Exemption from paying tender fees and Earnest Money Deposit:**

With reference to the Order of the Ministry of MSME, under the Public Procurement Policy March 2012, Micro and Small Enterprises (MSE) shall be entitled for EMD exemption subject to conditions as under:

MSE bidders must submit valid registration certificates from any of the following (or any other body specified by the Ministry of MSME) for exemption of EMD as applicable:

- National Small Industries Corporation (NSIC)
- District Industries Centres (DIC)
- Coir Board
- Khadi and Village Industries Commission(KVIC)
- Khadi and Village Industries Board(KVIB)
- Directorate of Handicrafts and Handloom
- Udyog Aadhar Memorandum.

### **NOTE:**

1. The price preference to MSE's shall not be applicable in this tender.
2. As the job is a critical nature of job, PQC relaxation for start-up & MSE bidders shall not be applicable.
3. EMD of unsuccessful bidders shall be refunded after award of LOI/W.O. to successful bidder.

### **11.04.2** **Forfeiture of EMD:**

BVFCL reserves the right to forfeit the EMD in the following conditions:

- Withdrawal of bid before opening of the bid or during validity including extended period, if any.
- Any modification/amendment by the bidder after submission of the bid.
- If, after receipt of acceptance, to the bid from BVFCL, the bidder refuse to commence the work or to enter into contract.

### **11.05** **Security Deposit (SD) cum Performance /workmanship Guarantee (PBG)**

Security Deposit together with EMD Shall be 10% of the Work Order value which is required to be deposited within 15 days of the receipt of Work Order. Alternatively, Performance Bank Guarantee from any Nationalised / Scheduled Bank except Rural or Co-Operative Bank may be submitted for 10% of the contract value. The Performance Bank Guarantee shall be valid till the expiry of defect liability period with provision for claim period up to 6 months. No interest shall be paid on E.M.D., and S.D.

### **11.06** **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 0.05 % of the total value of work for delay of every day or part thereof, subject to a ceiling of 5 % of the total value of the work.

## **11.07 Terms of Payment:**

**11.07.1** 100% of value of completed work shall be released within 30 days, after successful completion of the job and after submitting of invoice by the party in triplicate subject to recovery if any. However, 100% payment is subject to fulfilment of Security Deposit-Cum- performance bank /Workmanship Guarantee.

**11.07.2** Payment will be made through RTGS/NEFT. The party shall provide their bank account details.

**11.07.3** All statutory payment/ deduction shall be made as per rule of BVFCL.

**11.07.4** As per applicability in the section 51 of GST act 2017 notified on 13.09.2018, TDS rate @1% CGST & 1% SGST will be deducted from party's bill.

### **NOTE:**

**In case of PBG is not submitted (clause 11.05), 90% of value of completed work shall be released after successful completion of the job and 10% shall be kept against security deposit cum performance /workmanship guarantee for a period of liability.**

## **11.08 Period of Liability:**

Tenderer will stand guarantee for the work done for trouble free operation for a period of 12 months from the date of commissioning or 18 months from the date of completion of work whichever is earlier. Any damage or defect or other faults that may arise or lie undiscovered at the time of issue of completion certificate, or appear within defect liability period after the virtual completion of the work, arising in the opinion of the owner from material or workmanship not in accordance with the contract, shall upon the directions in writing of the owner and within such reasonable period specified therein, shall be rectified by the Tenderer at his cost, most expeditiously or in case of default, BVFCL may cause the same to be made good by other workmen and deduct expenses from any sums that may be there or at any time thereafter become due to the Tenderer or from his security deposit. BVFCL shall be under no obligation to accept / entertain any claim / demand whatsoever in this behalf.

The Contractor shall be responsible for the proper workmanship and shall not be relieved of his obligation in this regard just because BVFCL raised no objection during the progress of work. The decision of the Owner regarding bad workmanship shall be final, binding and conclusive.

Any defect noticed during the various stages of inspection during work under progress as per scope shall be 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.

**11.09** The Contractor shall ensure that the payment of the minimum wages to the labourers, specified by the government from time to time, has been made in accordance with the Minimum Wages Act. **Upward revision of Minimum Wages from time to time shall be deemed to be inbuilt in the quoted rates of the Contractor.** If at any time, it is noticed or it comes to the knowledge that the payment, to the labourers employed by the Contractor, is not made in accordance with the Minimum Wages Act, BVFCL shall reserve the right to take remedial action to regulate the payments.

**11.10** The Contractor shall comply with the provisions of Contract Labour (Regulation & Abolition) Act 1970 and rules framed there under & amended from time to time.

**11.11** The Contractor shall abide by all the Acts / Labour Laws related to PF, Wages, Holidays, Leaves, and Overtime etc. The Contractor is required to comply with all statutory provisions, from time to time, during the tenure of the contract.

**11.12 Safety Regulations:** The Contractor shall observe and abide by all the 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, and familiarize himself 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 other statutory obligations. 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 Shields, Safety Belts etc. are to be provided to his workmen by the Contractor. However, Special Safety Equipment (if any) required as per requirement of the job shall be provided free of cost by BVFCL.



- 11.13 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 in default in the performance of their obligations contained therein, if such performance is prevented or delayed or restricted or interfered with by reason 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 removal of such causes of non-performance, if possible, and shall continue performance hereunder with the utmost dispatch whenever such causes are removal off. 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.
- 11.14 Conciliation & Arbitration:**“Except where otherwise provided in the contract all matters, question or differences whatsoever , which shall at any time arise between the parties hereto, touching the construction, meaning, operation or effect of the contract or out of matter relating to the contract or the breach thereof or the respective rights or liabilities of the parties during or after completion of the works or whether before or after termination, shall after written notice by either by either party to the contract be referred to the arbitration of the Unit Head / ED / Functional Director / Chairman & Managing Director, BVFCL or his / her nominee. The arbitration & Conciliation Act, 1996 or any statutory modification or re-enactment thereof and the rules made there under shall govern the Arbitration proceedings. The contractor hereby agrees that he shall have no objection if the arbitrator so appointed is an employee of BVFCL and he had to deal with the matter to which contract relates and that in the course of his duties as such he has expressed his views on all or any of the matter in dispute of differences.
- 11.15 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 Courts at Dibrugarh (Assam) only.**
- 11.16 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 costing Rs. 100.00 within 7 (seven) days of the date of receipt/ acceptance of the Work Order or before commencement of work 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 Fertilizer Corporation Limited. Namrup.
- 11.17** 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@bvfc.co.in](mailto:vigilance@bvfc.co.in)).

**For Brahmaputra Valley Fertilizer Corporation Limited, Namrup**

(K K Dihider)  
Chief Engineer (Mech), AG, CPP & CMW

**PRICE BID**

(Specimen copy: To be filled online only. No offer in physical form will be accepted and any such offer if received will be outright rejected.)

**SCHEDULE OF WORK, QUANTITY & RATES**

Sl	Description	Rate	Amount
1.	Major Overhaul of Frame V, GE designed Gas Turbine, Flange to Flange and other associated jobs on Turnkey Basis as per scope of work	L/s	
2.		GST @18%	
3.	Total		

**Notes:**

1. The Rates quoted should be inclusive of all Taxes, Duties, Royalties and other Statutory Levies to be payable **but excluding GST**. Unless specified to the contrary in the bid, all present taxes and statutory levies shall be borne and paid for by the bidder. Payment of the taxes and other statutory levies shall be the responsibility of the bidder and shall not be payable by BVFCL.
2. Bidder should quote prices in online Price bid form only. Indicating of rates in technical bid (OR) anywhere else (scanned documents/hard copies) shall be liable for rejection of bid.

**PRE-QUALIFICATION REQUIREMENTS:****1. Work Experience**

- Bidders must have executed minimum two similar Major Overhaul and Inspection of Gas Turbines during the last 7 years till 31<sup>st</sup> December 2018 in any central/state PSU in fertilizer, petrochemical, Power and Oil & Gas industries in INDIA by own or through their Indian representative/business associates with total supervision & performance guarantee borne by bidder only.
- Performance certificate / work completion certificate along with contract copies from the above mentioned clients must be enclosed with the bid. Format for submission of work experience at Pro-forma: 2.

2. The bidder should be able to mobilize lead engineers having training / work experience with GE and have minimum 5 years of experience in GE frame Gas Turbine maintenance and executed minimum 3 nos MOI of frame V or above machines independently. Name of the client along with their contact person name to be furnish. Bidder shall submit CV of their lead engineer along with work experience certificate & certificate of training programme along with the bid.

**3. POINTS TO NOTE ON SATISFACTION OF QUALIFYING REQUIREMENTS**

- Sub-Contractor's Experiences and Resources  
Sub-Contractor's Experiences and Resources will not be taken into account in determining the Bidder's compliance with the qualifying requirement.
- Experiences and Resources of the Parent Company and other subsidiary companies  
If the bidder is a wholly owned subsidiary of a company, the experience and resources of the owner/parent company or its other subsidiaries will not be taken into account. However, if the bidder is a Company, the Experience and Resources of its subsidiaries will be taken into consideration.
- Manpower contract for execution of jobs shall not be considered.

**4. DECLARATION BY THE BIDDER**

- Even though the Bidders may meet the above qualifying criteria, they are subject to be disqualified if they have-
- Made misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
  - Records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.
  - Their business banned or suspended by any Central/State Government Department/ Public Undertaking or Enterprise of Central/State Government and such ban is in force.
  - Not submitted all the supporting documents or not furnished the relevant details as per the prescribed format.

**NOTE: A declaration to the above effect in the form of affidavit on stamp paper of Rs. 50/- duly attested by Notary/Magistrate should be submitted as per format given in Proforma-4 enclosed.**

**5. Financial Pre – Qualification Requirements**

- Annual Financial Turnover on the basis of Audited Balance Sheet for the last 3 financial years to be furnished.  
NOTE: Average annual financial turnover during the last 3 years, ending 31<sup>st</sup> March of the previous financial year, should be at least 30% of the estimate cost.
- The Bidder should furnish attested copies of Auditor's Reports along with audited Balance Sheets and Profit and Loss Statements for the last 3 Financial Years.
- Experience of having successfully completed similar works during last 7 years till 31<sup>st</sup> December 2018 should be either any one of the following:-
  - Three similar completed works costing not less than the amount equal to Rs 35.46 each
  - Two similar completed works costing not less than the amount equal to Rs 44.33 lakh each
  - One similar completed work costing not less than the amount equal to Rs 70.92 lakh.

**Note: Figure without taxes and duties**

**NOTE:**

Similar Major Overhaul and inspection means complete dismantling and assembly of gas turbine including removal of casings, rotor & bearings and replacement buckets, nozzles, shrouds etc of capacity not less than of 15 MW of GE-designed Gas Turbines of Frame not less than Frame-V, involving activities as per scope of work of the subject NIT.

**CHECK LIST OF DOCUMENTS TO BE SUBMITTED BY BIDDERS**

- i) Annual Financial Turnover (Refer Clause 5 of Annexure I).
- ii) Work Experience (Refer clause 1 of Annexure I)
- iii) Experience of Lead Engineer/Technical Advisor (Refer clause 2 of Annexure I)
- iv) Net profit-loss of last 3 Financial Years (Refer Clause 5 of Annexure I).
- v) Declaration by Bidder (Refer 3 of Annexure I)

QUALIFICATION INFORMATION/CHECKLIST OF DOCUMENTS  
(on letter head of the Bidder)

To  
Chief Engineer (Mechanical)  
**M/s. Brahmaputra Valley Fertilizer Corporation Limited, Namrup**  
**Parbatpur-786623**  
**District- Dibrugarh, Assam.**

Sub: Submission of Qualification information /documents as per Checklist.

Sir,

I/We hereby submit the following documents in support of my/our satisfying the Qualification Criteria laid down for the work: -

- a) Self attested copy of a certificate, confirming that the applicant is a working contractor and has executed similar nature work within the last seven years reckoned from the date of opening of Tender, issued by any central/state PSU in fertilizer, petrochemical, Power and oil & gas industries in INDIA.
- b) Annual Financial Turnover
  - (i) Annual financial turnover for each of the last 3 Financial Years in a tabular form.
  - (ii) Self attested copy of Auditor's Report along with the Balance Sheet and Profit and Loss Statement and Schedules for the relevant Financial Year in which the minimum criterion is met, with calculations in support of the same.
- c) Work Experience
  - i. Similar Work Experience: (Pro-forma 1) with details of works as applicable and self attested copies of supporting documents as mentioned therein.
  - ii. CV, Work experience of lead engineer/technical advisor along with client name and address
- d) Profitability -Net profit of last 3 financial years in tabular form with self attested copies of Profit and Loss Statements for the last 3 Financial Years as applicable.

In addition the following supporting documents are also enclosed.

- a) Self attested copy of Partnership Deed/Memorandum and Articles of Association of the Firm.
- b) Self attested copies of PAN/TAN issued by the Income Tax Department.
- c) Declaration – Pro-forma 4
- d) Self attested copy of GST Registration Certificate (as applicable).
- e) Self attested copy of Registration under Labour Laws, like PF, ESI etc.
- f) Self attested copy of ISO 9000 Certificate (if any)

I authorize you to approach any Bank, Individual, Employer, Firm or Corporation, whether mentioned in the enclosed documents or not, to verify our competence and general reputation.

I also enclose written Power of Attorney of the signatory of the Tender on behalf of the Tenderer.

Yours faithfully,  
Signature of Bidder  
with Name Date and Seal

**DECLARATION FORM-I**

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

Date: \_\_\_\_/\_\_\_\_/2019

M/s.

**Brahmaputra Valley Fertilizer Corporation Limited, Namrup**  
**Parbatpur-786623**  
**District- Dibrugarh, Assam.**

**Subject:** Notice Inviting Tender for execution of major overhauling and inspection along with other associated jobs of GTG-I of CPP on turnkey basis.

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 execution of major overhaul and inspection (MOI) along with other associated jobs of GTG-I of CPP on turnkey basis 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 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 Earnest Money lodged with the Brahmaputra Valley Fertilizers Limited, Namrup.

**(Signature of the Bidder with Seal)****Name:** \_\_\_\_\_**Address:** \_\_\_\_\_**Place:** \_\_\_\_\_**Date:** \_\_\_\_\_

**DECLARATION FORM-II****THE FOLLOWING DECLARATION TO BE SIGNED BY CONTRACTOR**

<b>Sr. No</b>	<b>DESCRIPTION</b>	<b>YES / NO (If Yes, give the following details)</b>		
<b>1</b>	If a The Bidder has relations whether by blood or otherwise with any of employees of BVFCL (Owner), then The Bidder 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.	<b>Name and Designation of the Employee</b>	<b>Place of Posting</b>	<b>Relation with the Employee</b>
<b>2</b>	P.F. Registration No of the Contractor to be intimated along with Documentary proof thereof.	<b><u>P.F. Registration Number</u></b>		
<b>3</b>	PAN No. of the Contractor to be intimated along with Documentary Proof thereof.	<b><u>PAN No</u></b>		
<b>4</b>	GST No. with Documentary Proof. Accounting Code No. & S.T.Code No.	<b><u>GST no:</u></b>		
<b>5</b>	ESI Registration No. Along with documentary proof thereof.	<b><u>ESI Reg. No.</u></b>		
<b>6</b>	If the party is registered as Micro/Small/Medium Enterprises as per MSME 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.			
<b>7</b>	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 the Bidder with Seal)

**Pro-forma 1****INFORMATION REGARDING THE BIDDER**

<b>A)</b>		<b>In case of individual</b>
i)	Name of Business	
ii)	Whether his Business is registered	
iii)	Date of commencement of business	
iv)	Whether he pays Income-Tax over ` 10,000/per year	
<b>B)</b>		<b>In case of Partnership</b>
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	
<b>C) In case of Limited Liability Company or Company Limited by Guarantee</b>		
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	
<b>D) Income Tax</b>		
i)	Income Tax Clearance Certificate for previous Years.	

SEAL and SIGNATURE OF THE BIDDER



**Pro-forma 2****DETAIL OF EXPERIENCE**

LIST OF SIMILAR WORKS SATISFYING QUALIFICATION CRITERION COMPLETED DURING THE LAST 7 YEARS

S. NO.	CLIENT'S NAME AND ADDRESS	NAME OF THE WORK	WORK ORDER NO AND DATE	CONTRACT VALUE	DATE OF START	ACTUAL COMPLETION PERIOD	DOCUMENTARY EVIDENCE IN SUPPORT OF QUALIFICATION REQUIREMENT

SEAL and SIGNATURE OF THE BIDDER

**Note:**

In support of having completed above works, attach self attested copies of the completion certificate from the Client indicating the name of work, the description of work done by the Bidder, date of start, date of completion (Contractual & actual) and contract value as awarded and as executed by the Bidder . "Contract Value" shall mean value of the completed work excluding cost of materials supplied if any.

**Pro-forma 3**

**PRESENT COMMITMENTS**

The Bidder shall furnish the details of their present commitments strictly as per this Pro-forma.

SI	CLIENT'S NAME AND ADDRESS	NAME OF THE WORK	WORK ORDER NO AND DATE	CONTRACT VALUE	DATE OF START	PERCENTAGE OF WORK COMPLETED	EXPECTED DATE OF COMPLETION

SEAL and SIGNATURE OF THE BIDDER

**Pro-forma 4**

**DECLARATION BY THE BIDDER**

(Affidavit on Non-Judicial Stamp Paper of Rs.50/- duly attested by Notary / Magistrate)

This is to certify that We, M/s. \_\_\_\_\_, in submission of this offer confirm that:-

1. We have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements;
2. We do not have records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.
3. No Central / State Government Department/ Public Sector Undertaking or Enterprise of Central / State Government has banned/suspended business dealings with us as on date. We have not been blacklisted by any Central / State Government Department / Public Sector Undertaking or Enterprise of Central / State Government.
4. We have submitted all the supporting documents and furnished the relevant details as per prescribed format.
5. List of Similar Works satisfying Qualification Criterion indicated in Pro-forma 2 does not include any work which has been carried out by us through a Subcontractor.
6. The information and documents submitted with the Tender and those to be submitted subsequently by way of clarifications / making good deficient documents are correct and we are fully responsible for the correctness of the information and documents submitted by us.
7. We understand that in case any statement/information/document furnished by us or to be furnished by us in connection with this offer, is found to be incorrect or false, our EMD in full will be forfeited and business dealings will be banned.

SEAL, SIGNATURE & NAME OF THE BIDDER signing this document