

Ref: N-III/MECH-5/Cont-885

## Tender Document

## 1.00 Scope of work

The scope of work shall include but not limited to the following for completion of entire job: -

- A. Opening & boxing up of 1.43 CR<sub>1</sub> HE-3, HE1 sub- condenser and Intercooler of (PRC) for retubing job
01. Making of 10m x 2m- 4 nos. bamboo scaffoldings at a height of 5 meters attached to the existing platform convenient to walk and work on it. (Material is under party's scope)
02. To open & dismantle the both end flange outlet flange of the ammonia intercooler of DN-1000 (DN 800 for sub-condenser) .After opening it is to keep on floor.
03. To de-flange the inlet and outlet cooling water lines, gas lines and necessary blanks to be provided.
04. Opening of the immediate 2 nos. of 14 inches flanges of cooling water inlet line and out let line on each intercooler and sub-condenser.
05. Opening and dismantling of cooling water channel end (Facing compressor house) (Approx. weight each: 0.5 MT)
06. Cutting removing & welding of platform railings for convenience of the job
07. All other related pipe lines to be blanked for facilitate the hydro test after retubing.
08. Necessary testing arrangement is to be done for pressurizing the shell side with water.
09. Dismantling of all blinding & boxing up with fitting of appropriate gasket as supplied.
10. Cleaning of all studs & nuts.
11. Proper cleaning of all flange-jointing areas.
12. Final box up of all dismantled parts.
13. Dismantling of the bamboo scaffoldings.
14. Appropriate tightening of all nuts-bolts.
15. Making & fitting of all appropriate jacking/ lifting arrangement by cutting, welding, grinding works shall be in the scope of executing agency.
16. All the tools & tackles, cutting & welding machines/appliances/ electrodes, oxygen, DA & gases and accessories shall be adequately supplied by the executing agency.
17. All best engineering practices & procedures and safety gadgets to be strictly followed while working.
18. Assembling/Dismantling of scaffoldings.
19. Carrying/cleaning of site debris/waste to dumping yard after finishing of job.
20. Returning of unused supplied material(s) to the Engineer-in-charge.
21. Job shall be executed as instructed by Engineer-in-charge.
- B. Opening and boxing up of of 1.43 CR<sub>1</sub> HE-A, B, C ammonia condenser of Process Refrigeration Compressor in Ammonia-III plant **for the purpose of water jet cleaning of tubes** of Amm-III plant
1. Ammonia condensers 1.43 CR<sub>1</sub> HE 2A of PRC.
  01. To open the both inlet and outlet flange of the condenser of DN-800. After opening it is to keep on floor.
  02. To box up the total system with proper gasket after thorough cleaning of all the nuts and bolts, cutting of gaskets and getting clearance from Engg-in-charge.
  - 03.
2. Ammonia condensers 1.43 CR<sub>1</sub> HE 2B of PRC.
  01. To open the both inlet and outlet flange of the condenser of DN-800. After opening it is to keep on floor.
  02. To box up the total system with proper gasket after thorough cleaning of all the nuts and bolts, cutting of gaskets and getting clearance from Engg-in-charge.
3. Ammonia condensers 1.43 CR<sub>1</sub> HE 2C of PRC.
  01. To open the both inlet and outlet flange of the condenser of DN-800. After opening it is to keep on floor.
  02. To box up the total system with proper gasket after thorough cleaning of all the nuts and bolts, cutting of gaskets and getting clearance from Engg-in-charge.

**General scope of work:**

01. Cutting of all necessary gaskets in proper dimensions from supplied gasket sheets.
02. Proper cleaning of gasket jointing surface
03. Fitting of gaskets properly without damage.
04. Appropriate tightening of all nuts-bolts.
05. Making & fitting of all appropriate jacking/ lifting arrangement by cutting, welding, grinding works.
06. All the tools & tackles and accessories shall be adequately supplied by the executing agency.
07. All best engineering practices & procedures and safety gadgets to be strictly followed while working.
08. Carrying/cleaning of site debris/waste to dumping yard after finishing of job.
09. Returning of unused supplied material(s) to the Engineer-in-charge.
10. Job shall be executed as instructed by Engineer-in-charge.

**2.00 Terms & conditions:-**

Subject to deductions as admissible as per rule payment will be released as follows: –

- i) 90% of value of completed job will be released on successful completion of the work duly certified by BVFCL engineer.
- ii) Balance 10% shall be retained as Security Deposit unless a Bank guarantee from a scheduled bank is executed in lieu of that for the equivalent sum. SD will be released after expiry of workmanship guarantee period of 6(six) months to be valid from the date of completion of the jobs.
- iii) Statutory taxes shall be applicable as per rule

**3.00 SPECIAL TERMS & CONDITIONS**

- 3.01 The contractors have to abide by the terms and conditions mentioned in G.D.C.C. in respect of carrying out the job, payments, settlement of disputes etc.
- 3.02 All works are to be done under the strict supervision of the contractor to the entire satisfaction of the Engineer-in-charge / site in charge.
- 3.03 The jobs are connected with short shut down activities of the Namrup-III plants. Since the activities shall be continued round the clock, the contractor shall be ready to take-up jobs at any time.
- 3.04 All Safety measure and gears required for the job shall have to be arranged by the contractor and to be followed strictly.
- 3.05 After completion of job, the site shall be cleaned and removed all debris properly.
- 3.06 Tenderers shall visit the site and contact the concerned site-in-charge to assess the job thoroughly before submitting their offer. **Mobilization time is maximum 2 hours after intimation through phone/Fax/E-mail.**

**4.00 EARNEST MONEY:** The tenderer shall deposit the Earnest money in favour of BVFC LTD. SBI Branch Namrup, A/C No, for the work in accordance with the provisions of Clause 11 of the G.D.C.C. enclosed herewith. The tender (s) without earnest money shall be rejected.

5.00 Party shall quote & submit their rates in the given performa in Annexure-II by going thoroughly in the scope of work Annexure-I (scope of work).

6.00 Engineer –in-charge reserve the right to ask for increase of manpower if delay occurs / any slippage of schedule. However, you have to complete the entire job keeping manpower round the clock.

1. Completion period mentioned is essence of the contract and the executing agency must strictly adhere to completion the job in allotted time frame. In no case party shall be allowed to divert manpower allocated on this job.
2. Party shall indicate the member name and address of workmen of this particular job of the NIT in separate sheet
3. The bidders may ask/seek further information on bidding condition & process if any Information shall be provided to the bidders about the reasons for rejection of any bid if asked

4. To affect the above, party may visit the site to access the job fully and if required may consult the undersigned regarding requirement of skilled and unskilled manpower.
  5. Party must give undertaking of performing similar nature of heavy job in Fertilizer or any other organization Govt. or Semi Govt. and in support of this party must submit work order copy completed with completion of job successfully.
  6. BVFCL reserves the right of canceling the work order and awarding the job to other suitable and resourceful party, **if the party upon which work order has been placed fails to start the job within 2 hours after getting clearance of work front our phone / in writing through FAX/Email.**
- 7.00 The contractor shall abide by all the statutory obligation under various statutory Acts and rules made there under, and as amended from time to time in respect of their establishment and / or workmen engaged by them. Under any circumstances, BVFCL shall not be liable or held responsible in any manner whatsoever, for default or omission on the part of the contractor(s) for non-compliance of the aforesaid Acts and rules, and any other laws applicable to contractors and / or their establishment and the workmen engaged by them.
- 8.00 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)

Tender papers / documents can be obtained during working hours on application from the following office "Addl. **CHIEF ENGINEER (MECH), A-III &CPP, BVFCL, Namrup**"

KK Dihider  
ACE (M), A-III & CPP

Ref: N-III/MECH-5/Cont-885

SCHEDULE OF WORK & QUANTITY:

**Job Name:** Opening & boxing up of 1.43 CR<sub>1</sub> HE-3, HE1 sub- condenser and Intercooler of (PRC) for retubing job and Opening and boxing up of of 1.43 CR<sub>1</sub> HE-A, B, C ammonia condenser of Process Refrigeration Compressor in Ammonia-III plant **for the purpose of water jet cleaning of tubes** of Amm-III plant

| Sl. No.                             | Item  | Quantity     | Rate (₹) | Amount (₹) |
|-------------------------------------|---|--------------|----------|------------|
| A                                   | Opening & boxing up of 1.43 CR <sub>1</sub> HE-3, HE1 sub- condenser and Intercooler of (PRC) for retubing jobs   | 01 (One) Lot |          |            |
| Sub total                           |   |              |          |            |
| Vat @5% on material cost of `.      |   |              |          |            |
| S.Tax@14.5% on service charge of `. |   |              |          |            |
| Sub total A                         |   |              |          |            |
| B                                   | Opening and boxing up of of 1.43 CR <sub>1</sub> HE-A, B, C ammonia condenser of Process Refrigeration Compressor in Ammonia-III plant <b>for the purpose of water jet cleaning of tubes</b> of Amm-III plant | 01 (One) Lot |          |            |
| Sub total                           |   |              |          |            |
| S.Tax@14.5% on service charge of `. |   |              |          |            |
| Sub total B                         |   |              |          |            |
| Total (A + B)                       |   |              |          |            |

NOTE:

- i) Party not to add Service Tax (ST) if they are exempted and to write “**NOT APPLICABLE**”, but to attach proof copy issued from the competent/ statutory authority.
- ii) Party to add, if the **ST & VAT** is applicable.
- iii) Party to fill the tender form with clear handwriting as instructed and avoid overwriting.

In words: (Rupees ..... only

Signature of the tenderer with Date:

Party's name:  
Address:

SEAL: PAN No. ....