Government Of India  
Bhabha Atomic Research Centre  
TECHNICAL PHYSICS DIVISION

Ref: BARC/TPD/SMS/KMR/2019/0\,P\,A\,1\,8\,7\,6\,4\,9  
04/10/2019

Sub: Miscellaneous works at New Helium Plant, TPD/BARC

Dear Sir,

Quotation is hereby invited for and on behalf of President of India for following work to be completed in three months at TPD/BARC.

1. Fabrication and Installation pumping line.
2. Plugging of cable and piping cut-outs.
3. Fabrication and installation of SS mosquito net for exhaust fans.
4. Painting and valves replacement of Liquid Nitrogen Dewar (950 liters capacity).
5. Fabrication, installation and commissioning of Helium gas bag level on/off switch.
6. Chilled water system civil work and drainage line tapping.
7. Supply and installation of 24 volts/10amps power supply (Siemens make) of KEASER compressor.
8. Replacement of 2” ball valve in recovery line.
9. Fabrication and installation of building name board at main gate of building.
10. Supply and Installation of 6 Nos. of 25 watts LED flood lights in compressor room and Liquefier room.

(Due Date: 01/11/2019)

Dear Sir,

Quotation in sealed envelope is invited for and on behalf of The President of India for the above-mentioned job as per the attached drawings. You are hereby required to quote as per the following guidelines:

1. The quotations in duplicate must reach to the **Head, Technical Physics Division** on or before 01/11/2019 in a sealed envelope, super scribed “Miscellaneous works at New Helium Plant” with the reference number and due date given above by registered Indian speed post only.
2. The quotations are to be sent only in printed letter head / quotation format, which should consists of GST, Sales Tax Registration Number registered with local ST authority / PAN Number of the firm, Service Tax Registration Number etc. Quotations that are received in computer generated form are to be construed as invalid and rejected.
3. Taxes and duties etc. shall be quoted separately.
4. The address for posting the quotation is:
   The Head,  
   (Attn: K. M. Rajbhoj)  
   Technical Physics Division  
   Bhabha Atomic Research Centre  
   Trombay, Mumbai 400085.
5. Good quality material from reputed supplier to be used for the job.
6. **The work shall be subject to inspection by our representative before transporting to Site.**
7. Any change, alteration etc. must be approved by the purchaser.
8. Bidder is supposed to submit his PAN Number.
9. Head, TPD, BARC, reserves the right to accept/reject any or all quotations without assigning any reason.
10. Terms and conditions are mentioned in Annexure ‘B’. **Job completion period should be within 90 days from date of work order issuance.**
11. The offer should be inclusive of all the charges. The price and charges will be fixed and no escalation will be applicable. Any charges written as Extra / on Actual etc. will not be considered and the quotation will be treated as invalid.
12. Police Verification Certificate is must for entry inside the BARC.
13. Security rules and transport rules at BARC, Tombrey premises shall be strictly followed
14. Laborers below 18 years of age shall be not allowed to work at site.
15. All the safety precautions must be taken while working on site.
16. All safety equipment's/gadgets required at site for carrying out the job shall be under scope of the vendor except fire extinguisher which will be made available by BARC.
17. Bidder should provide a Xerox copy of PAN CARD, PVC of proprietor or company is to be attached with quotation along with providing GST No. etc
18. Guarantee: bidder shall have to give the guarantee of the quality and workmanship of work done for the period of 12 months from the date of completion of the work.
19. **Visit of the vendor or his representative to TPD/BARC, prior to submitting the quotation, is mandatory in order to understand the work of nature and site condition. Vendor may visit to BARC, for inspecting the site. The site can be visited on 18/10/2019 between 10.00 to 14.00 hrs only. However, for site visit, prior intimation of at least three working days is necessary for arranging the entry permits. No visitor will be entertained before and after 18/10/2019.**
   
   For preparing entry permit, you may contact Shri K. M. Rajbhoj on Ph. No. 25593455 and following documents email to krajbhoj@barc.gov.in The visit will be approved only after verification of credentials of the visitor.
   
   Complete details of firm (Request letter for site visit on company letter head is mandatory), name of visitors, age, occupation/designation, identity proof, PVC details.

**The quotations submitted without site visit will NOT be considered.**

\[\text{Signature} \quad 11/10/2019\]

Dr. T. V. Chandrasekhar Rao  
**Head, TPD**

For and on Behalf of the President of India

Encl: 1) Annexure- B  
       2) Annexure- I

K. M. Rajbhoj,  
SA/E, SMS, TPD

\[\text{Signature} \quad 4/10/2019\]
Annexure-B

Price: Inclusive of free and safe delivery at our site. Price once quoted & accepted shall remain final.

Taxes :
  - GST as applicable may be specified separately.
    - Income Tax @ 2% as applicable at the time of payment will be deducted from your bill.
    - For payment above Rs.2,00,000/-, work contract tax @2% or as applicable shall also be deducted.

Excise Duty: Nil, *Excise duty is not payable by the Purchaser. Exemption certificate will be provided.

Octroi Duty: Nil. Exemption certificate will be provided for the end product on specific request as applicable.

Delivery : The work should be complete within 90 days.

Payment : Payment will be made only after satisfactory completion of work and on submission of printed Delivery Challan, Bill cum Invoice in Triplicate and an Advanced Stamped Receipt for the amount of the bill. Payment exceeding Rs 20,000/- are subject to Income Tax Deduction at source, Surcharge, Education Cess on Income tax etc as applicable under Income Tax Act will be deducted from your bill.

Penalty Clause: Any delay which is attributed to the contractor is liable for penalty @ ½ % per week (max. 5%) to be imposed on the contractor.

Extension clause:
  - In case any extension is required due to unavoidable reason, please send a request before expiry of work order justifying the delay. However, granting extension is sole discretion of Head, TPD.

Note : 1. Quotations, challans, invoice, receipt etc should be in printed form only. These should consist of GST Registration Number registered with local ST authority / CST authority, PAN Number of the firm, Service Tax Registration Number, etc.

Quality Surveillance, Inspection and Inspection report : All work covered by the specifications shall be subject to quality surveillance by the purchaser or his authorised representatives for which purpose the fabricator shall allow access at all reasonable times during manufacture to:
  1. The premises in which work is being carried out.
  2. The drawings and / or tooling involved.
  3. Gauges, instruments etc. required for inspecting the work.

Inspection and tests shall be carried out by the fabricator as per the requirements detailed in the drawings and these specifications. Components found unsatisfactory as to workmanship or material shall be removed by fabricator and replaced by components, which are satisfactory.

The finished components shall not be despatched prior to our approval.

Confidentiality: No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as “Proprietary” in nature shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party.

The clause shall apply to the sub-contractors, advisers, or employees engaged by a party with equal force.

1. “Restricted information” categories under Section 18 of the Atomic Energy Act 1962 and “Official Secrets” under Section 5 of the Official Secrets Act, 1923:—
Any contravention of the above-mentioned provisions by any contractor, sub-contractor, consultant, adviser or the employees of the contractor will invite penal consequences under the aforesaid legislation.

2. **Prohibition against use of BARC's name without permission for publicity purposes**: The contractor, sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like, Press, Radio, T.V., and Internet without the written approval of BARC.

*Excise Duty Clause* as mentionedvide circular No. BARC/Accts/GSS/97/983 dated 14.7.97 is quoted below:

"Since the goods to be supplied against this work order meant for research purpose of a Research Institute under the Department of Atomic Energy, No Excise Duty is payable for the goods covered by this work order. The Indenter shall make available the excise duty exemption certificate to avail of the Excise Duty exemption well before the delivery date stipulated in work order. It shall however be the responsibility of the contractor also to ensure that they dispatch the goods only after getting excise duty exemption certificate from the indenter"
Annexure- I

1. Fabrication and Installation pumping line : 1 Set
   To pump Cold box of helium liquefier unit and external adsorber, a
   stainless steel DN 25 pipeline (SS 316L) Approximate length 15 meter to
   be fabricate and install at site including KF fittings, 3 nos. of L&T make
   ball valves and flexible SS bellows for end connection as per requirement
   with helium leak testing. The required material is in the scope of
   contractor.

2. Plugging of cable and piping cut-outs : 5 set
   New helium Plant building (Ground and first floor) has some cut-outs of
   piping and cables needs to be plugged with M. S. Checkered plate,
   cement concrete and epoxy painting.

3. Fabrication and installation of SS mosquito net for exhaust fans: 7 Set
   Frame size is 450 mm × 450 mm at the height of ~ 6 meters with proper
   fitting and painting.

4. Painting and valves replacement of Liquid Nitrogen Dewar (950
   liters capacity) : 1 Set
   a. Existing paint of Dewar has to be removed thoroughly. One coat of
      primer and two coats of white epoxy paint using spray gun is required.
      Finally the Dewar’s name has to write.
   b. Replacement of ½ inch cryogenic globe valve(inlet/ outlet) good
      quality and compatible to the existing one.
   c. Replacement of existing ½ inch cryogenic safety valve (3 bar
      pressure) with good quality and compatible to the existing valve.
      Note: All valves and material required for the job in the scope of
      contractor.

5. Fabrication, installation and commissioning of Helium gas bag level
on/off switch: 1 Set
   It includes Aluminum frame, S. S. or good quality plastic pulleys and
   IFM inductive proximity sensors along with cabling from recovery
   compressor to gas bag level switch. All the required materials should be
   provided by contractor.

6. Chilled water system civil work and drainage line tapping: 1 set
   a.) The chilled water system is required for cooling of helium gas
   compressor (Keaser compressor: 160 KW). During the operation of plant,
   condensed water spreads all over in the compressor room. To stop
   condensed water coming from the system, cemented skirt (approximate
   width 40 mm × height of 25mm) with proper cutting of flooring and
   construct a described sized wall around the system is required.
b.) Existing drainage pipe lines (2” M. S. pipe) of chilled water system needs six tapping with six 1/2” ball valve and hose nipple connection at other end to connect PVC pipe.

7. **Supply and installation of 24 volts/10amps power supply (Siemens make) of KEASER compressor- 1Set.**
KEASER compressor's control power supply became faulty, it needs to be replaced with Siemens make SITOP SMART 10A, input supply: 230 VAC, output supply: 24 VDC which was used in the existing system. Contractor has to supply and install the power supply into KEASER compressor unit at our site.

8. **Replacement of 2” ball valve in recovery line: 1 Set**
Replacement of 2” ball valve (L&T make) in existing stainless steel helium gas recovery line. After installation a helium leak test will be required.

9. **Fabrication and installation of building name board at main gate of building:-1 Set**
Material: stainless steel (Approx. Size: 3000 × 850 mm) in Hindi and English language’s.

10. **Supply and Installation of 6 Nos. of 25 watts LED flood lights in compressor room and Liquefier room: 1 Set**
Supply and Installation of 6 Nos. of 25 watts LED flood lights includes casing and capping wiring and individual control switch.

(K. M. Rajbhoj, SA/E)
I/O, SMS, TPD