



**GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
Chemical Engineering Division**

Ref: BARC/ChED/LSS/2021/MM/894

Date:28/12/2021

To,

Sub: Invitation to submit your quotation

On behalf of the President of India, Head, Chemical Engineering Division, Bhabha Atomic Research Centre invites lowest quotation in sealed envelope for the work given below as per the technical specifications enclosed herewith.

S. No.	Description of Job	Completion Period
1	Supply and installation of gas piping for AAS, Hall 5, Laboratory Services Section, Chemical Engineering Division, BARC	04 months.

The terms and conditions are given below:

1. Qualifying criteria for bidders

- 1.1 Firms willing to bid for above mentioned job shall have been vetted by Security Section of BARC.
 - 1.2 The workers must be qualified and trained in doing similar jobs inside BARC having **minimum two years of experience.**
 - 1.3 All the supervisors and workers should have valid Police Verification Certificate (PVC). The list of manpower available with firm shall be submitted along with their details of PVC.
 - 1.4 The past experience of the firm in similar nature in BARC/DAE shall be made available with Work Order copy and satisfactory completion certificate from the user. Also the list of ongoing jobs inside BARC premises with expected completion period shall be provided.
 - 1.5 Interested bidders shall contact the undersigned on Phone No. 25593345(Ext. No. 3345) with above mentioned details for technical clarification.
2. The quotation envelope shall be superscripted with **Description of the job and the Tender Ref. No.**, mentioned above.
 3. The complete quotation shall reach the following address on or before **17/01/2022** by **Registered Post/ Speed post.** The quotations will be opened on the next working day in Chemical Engineering Division, BARC between 1400 to 1600 Hrs.

Head,
Chemical Engineering Division,
Bhabha Atomic Research Centre, Trombay, Mumbai- 400 085

4. **Printed Letter Head:** Quotation should be printed on the letter head; computer generated quotation is not valid.
5. **Validity of the Offer:** Validity of the offer shall be 90 days from date of opening of quotation.
6. **Guarantee:** Vendor shall have to give guarantee of the quality and workmanship of work done for the period of 12 months from the date of completion of the work.
7. **Offer of Firm:** Offer of those firms, who do not submit their quotation as per the details given in the technical specification and incomplete quotations in any respect shall not be considered.
8. The department reserves right to extend the date of opening the quotations.
9. The payment shall be arranged through Accounts Division, BARC as per Government procedure within 45 days satisfactory completion of work against production of invoice, advanced stamped receipt, completion certificate & guarantee certificate. It may please be noted that advance payment is not possible.
10. **Income Tax Recovery Clause:** Income tax @ 2% and *GST TDS @2%* will be deducted from the bill.
11. If any of the employee, consultant, or partner of the company is an Ex BARC employee, the same must be stated in the quotation clearly.
12. **Penalty:** Any delay which attributable to the contractor is liable for penalty @ 0.5 % per week (max 10 %) to be imposed on contractor.
13. **GST/PAN Number:** Quotation shall consists of GST Registration Number, PAN number of the firm. GST 5% is applicable for BARC against exemption form.
14. **Quantity Variation Clause:** Quantity variation of $\pm 10\%$ is possible during the execution of the job. Actual payment shall be made based on the actual work carried out by the contractor after completion of entire job.
15. **Safety & Security Rule:** The vendor shall follow all the safety procedures as per the normal industrial practice during the execution of the job at site. Any mishap occurring during the work due to unsafe workmanship shall be the vendor's liabilities. Security and transportation rules at BARC, Trombay premises shall be strictly followed. All workman should be above 18 year age.
16. **Confidential Clauses:**

- i. **Confidentiality** : No party shall disclose any information to any third party concerning matters under this contract generally, In particular, any information identified as “Proprietary” in nature by the disclosing party shall be kept strictly confidential by the receiving party shall not be disclosed to any third party without the prior written consent of the original disclosing party This clause shall apply to the sub- contractors, consultants, advisors, or the employees engaged by a party with equal force.
- ii. “Restricted information” categories under section 18 of the Atomic Energy Act, 1962 and “Official secrets” under section 5 of the of the Official Secret Act, 1923: Any contravention of the above mentioned provisions by any contractor, sub- contractor, consultant, advisor or the employee of a contractor will invite Penal consequences under the aforesaid legislation.
- iii. Prohibition against use of BARC’s name without permission for any publicity Purpose. The contractor or Sub contractor, consultant, advisor or the employees engaged by the contractor shall not be use any public purposes through any media like press, TV, or internet, without the prior written approval of BARC

(Smt. Manju Mohan)
Scientific Assistant –D

Technical Specification of the Job

1. Job Title:

Supply and installation of gas piping for AAS, Hall 5, Laboratory Services Section, Chemical Engineering Division, BARC

2. Job Site:

The above work shall be done at F- 3, Hall 5, Laboratory Services Section, Chemical Engineering Division ,BARC , Trombay, Mumbai - 400 085.

3. Job Description:

The Instrument gas pipings has to be redesigned and fabricated with the following details.

Sl.No.	Product Description	Quantity
1	1/4" S.S. tubing with colour coded sleeves for Ace & N2O gas	100 Meter
2	High pressure gas manifold system (manual) for single cylinder for N2O gas	1.0 Each
3	High pressure gas manifold system (manual) for single cylinder for Acetylene gas	1.0 Each
4	Two stage cylinder regulator SS body with SS316 diaphragm for Acetylene gas Inlet pressure: 0-42 kg/cm ² Outlet pressure: 0-7 kg/cm ² Outlet connection:1/4" Make: P-LOK	1.0 Each
5	Nitrous oxide gas two stage cylinder regulator SS316 with SS diaphragm with preheater Inlet pressure: 0-280 kg/cm ² Outlet pressure: 0-14 kg/cm ² Outlet connection:1/4" Make: P-LOK	1.0 Each
6	Preheaters for N2O and CO2 line	2.0 Each
7	Two stage cylinder regulator with fully SS body with SS diaphragm for carbon dioxide gas Inlet pressure gauge: 0-280 kg/cm ² Outlet pressure gauge: 0-14 kg/cm ² Outlet connection:1/4" Inlet connection: 5/8" BSP Male (RHT), LHT (H2) Make: P-LOK	1.0 Each
8	Two stage cylinder regulator with fully SS body with SS316 diaphragm for Argon gas Inlet pressure gauge: 0-280 kg/cm ² Outlet pressure gauge: 0-14 kg/cm ² Outlet connection:1/4" Inlet connection: 5/8" BSP Male (RHT), LHT (H2) Make: P-LOK	2.0 Each
9	S.S braided pigtails of 1mt length for Acetylene and N2O gas with safety rope	2.0 Each
10	PVC casing capping for above tubing	25 Meter

11	1/4" High pressure high flow gas purification and control panel single stage for N2O gas Model GPP-01 which consists of : 1.Allumina filters (SS Body) to remove the moisture from N2O gas 2.Indicating regeneratable silica gel (SS Body) filters to remove the moisture and traces of moisture by showing change in colour. 3. Pressure regulator 4. Pressure gauge, toggle valves etc	1.0 Each
12	1/4" High pressure high flow gas purification and control panel single stage for Acetylene gas Model GPP-01 which consists of : 1. Allumina filters (SS Body) to remove the moisture from acetylene gas 2. Indicating regeneratable silica gel (SS Body) filters to remove the moisture and traces of moisture by showing change in colour. 3. Pressure regulator 4. Pressure gauge, toggle valves etc	1.0 Each
13	Inline micron filters for dust removal for acetylene and N2O gas	2.0 Each
14	1/4" gas distribution panel single stage with toggle valve, pressure gauge and pressure regulator for acetylene and N2O gas Make: P-LOK	2.0 Each
15	1/4"X6mm PVC connector	2.0 NOS.
16	1/4"X8mm PVC connector	2.0 NOS.
17	Standard fittings, miscellaneous and hardware etc.	1.0 PACK
18	Installation charges	LUMPSUM

4. Scope of Work:

- a) Material procurement, fabrication, supply and installation.
- b) Successful contractor shall have to take all the actual measurement at the site and carry out the work accordingly. It shall be the responsibility of contractor to take precise measurements. Any kind of mismatch will not be accepted.
- c) All the consumable materials required for completing the job shall be supplied by the vendor.
- d) All the machineries, tools and tackles required for the execution of this job shall be arranged by the vendor.
- e) All the required manpower shall be arranged by the vendor.
- f) Transportation charges for material and any other tools and tackles are in the scope of the vendor.
- g) Electricity will be provided free of cost.
- h) The contractor shall have to follow necessary industrial and safety rules and procedure and the users department have the right to stop the work in case found unsafe practice.
- i) The contractor shall be responsible for any damage of any equipment and/or material at the site due to their unsafe practice and negligence of work.
- j) The successful bidder shall visit the site to understand the job properly.

- k) The bidder must specify in the quote the make and specification of the materials to be used in the job. Only branded and reputed make of material will be accepted.

5. Inspection and Testing:

Work done by the contractor shall be supervised during the execution of work and inspection shall be carried out after completion of job for their quality, finish and workmanship and shall be accepted only if found satisfactory.

6. Guarantee:

The successful bidder shall have to give guarantee of the quality and workmanship of work done for the period of 12 months from the date of completion of the work. Vendor will repair or replace defective material free of cost during guarantee period.

7. Completion Period:

120 days from the date of receipt of work order.

8. Information to be Furnished:

Following information/documents must be submitted along with the offer.

- a) Make of each item.
- b) Lumpsum price for the entire job stipulated in the technical specification must be quoted clearly.
- c) Taxes and duties, if any must be quoted separately.
- d) Validity of the offer.
- e) Completion period.
- f) The quotation on its printed letter head. Computer generated forms will be construed as invalid and rejected.
- g) Quotation shall consist of Sale Tax Registration number with local ST authority/CST authority, PAN number of the firm, Service Tax Registration no. etc.
- h) Make of the items to be used in fabrication should be specified.

9. Confidentiality Clauses:

- (i) Confidentiality
No party shall disclose any information to any third party concerning matters under this contract generally, In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the sub- contractors, consultants, advisors, or the employees engaged by a party with equal force
- (ii) "Restricted information" categories under section 18 of the Atomic Energy Act, 1962 and "Official secrets" under section 5 of the Official Secret Act, 1923: Any contravention of the above mentioned provisions by any contractor, sub- contractor, consultant, advisor or the employee of a contractor will invite Penal consequences under the aforesaid legislation.
- (iii) Prohibition against use of BARC's name without permission for any publicity Purpose. The contractor or Sub contractor, consultant, advisor or the employees engaged by the contractor shall not be use any public purposes through any media like press, TV, or internet, without the prior written approval of BARC.

10. Modifications:

Any minor deviations from the tech specs if required should be done for the completeness of the job without any extra cost.

11. Safety Rules and Security Rule:

The successful bidder shall follow all the safety procedures as per the normal industrial practice during the execution of the job at site. Any mishap occurring during the work due to unsafe workmanship shall be the vendor's liabilities. Security and transportation rules at BARC, Trombay premises shall be strictly followed.
