

दूरभाष :
TELEPHONE: 91-22-25596151/23336(Off)
तार : बार्क-मुंबई
TELEGRAMS:
टेलिक्स : ०११-६१०१७/०११-६१०२२ बार्क इन
TELEX : 011-61017/011-61022 BARC IN
फेक्स संख्या : ९१-२२-५५६०७५०
FAX NUMBER 91-22- 25505151

ट्रम्बे,
मुंबई-४०० ०८५,
TROMBAY,
MUMBAI-400 085

S.R.Satre, SO/E
022-25596151
srsatre@barc.gov.in

भारत सरकार
GOVERNMENT OF INDIA
भाभा परमाणु अनुसंधान केन्द्र
BHABHA ATOMIC RESEARCH CENTRE
Chemical Engineering Group
Desalination Division

Due date: 15/07/2022

Ref:BARC/MF/ChEG/AMMD/MDS/SRS/2022/05/eo-p-I-26488

Date: 6/07/2022

To,

Sub: Invitation to submit your quotation

On behalf of the President of India, **Head, Alkali Materials and Metal Division, Chemical Engineering Group (ChEG)**, Bhabha Atomic Research Centre invites quotation in sealed envelope for the work given below as per the technical specifications enclosed in Annexure-C.

S. No.	Description of Job	Completion Period
1	Electrical and Instrumentation Support Services in the Lithium Recovery Plant; Fluidization based Chemical Vapor Deposition experimental setup, Heat Transfer Facility and Trichloroethylene experimental setup. for Materials Development Section of AMMD, PDL Building, B.A.R.C., Trombay, Mumbai - 400 085. (For details please refer Annexure-C.)	220 days from the date of issue of work order

The terms and conditions are given below:

1. Firms willing to bid for above mentioned job shall have been vetted by Security Section of BARC.
2. 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 with quotation.
3. **The past experience of the firm in similar nature of work in BARC/DAE shall be made available 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.
4. Interested bidders shall contact the undersigned on Phone No. **022-25596151** (Extn. No. **26151**) with above mentioned details for getting the Detailed Tender Specification. Bidders shall submit a requesting letter in company letter head for getting the Detailed Tender Specification.
5. The quotation envelope shall be superscripted with Description of the job and the Tender Ref. No. mentioned above.

6. The complete quotation shall reach the following address on or before **Due date: 15/07/2022**, by **only Indian Postal Service only**. (Quotation submitted through private courier service is not acceptable)

Head,
Alkali Materials and Metal Division (Hall-5)
Kind Attention: **S.R.Satre, SO/E**
Due date with time of submission on or before : **15/07/2022, 15:00Hrs.**

7. **Printed Letter Head:** Quotation should be printed on the letter head; computer generated quotation is not valid.
8. **Validity of the Offer:** Validity of the offer shall be 90 days from date of opening of quotation.
9. **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.
10. **Offer of Firm:** Offer of those firms, who does not submit their's quotation as per the details given in the technical specification and incomplete quotations in any respect shall not be considered.
11. The department reserves right to extend the date of opening the quotations.
12. **Payment Terms:** Accounts Division, BARC Mumbai-400085 shall make full and final payment only after submission of the satisfactory work completion certificate & site clearance certificate issued from the undersigned, bill, delivery challan and advanced stamped receipt. No advance is admissible.
13. **Income tax @ 2%** will be deducted of basic cost i.e. for ₹.30,000 & above.
14. **GST TDS @ 2%** of basic cost i.e. for ₹. 2,50,000 & above.
15. Undertaking regarding GST payment has been promptly deposited in the respective accounts.
16. *Declaration/undertaking regarding confirmation of filling of ITR from immediate two preceding years within due date as per section 139(1) of the Income-tax Act, 1961 and I/we does not fall under the definition of '**specified person**' as provided in section 206AB of the IT Act.
17. 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.
18. **Penalty:** Any delay which attributable to the contractor is liable for penalty @ 0.5 % per week (max 10 %) to be imposed on contractor.
19. **GST/PAN Number:** Quotation shall consist of GST Registration Number registered with local GST authority, PAN number of the firm, service tax registration number etc.
- **GST: @5%**
- **Interstate** transaction for R&D will attract **IGST @ 5% only** as per notification No. 47/17-Integrated Tax (Rate) dated 14.11.2017.
- OR**
- **GST Exemption Certificate:** Kindly note that, the items intended to procure attracts concessional rate of GST as per CBEC Notification no. 45/2017 dated 14-11-2017.

- Intrastate supply of goods: - The applicable rate of CGST and SGST in case of **intrastate** transaction i.e. within the same state shall be **2.5% each** as per notification no.45/2017 dated 14-11-2017. This certificate will be provided to you along with the work order.
- **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.

20. SAFETY RULE & SECURITY RULE:

The person shall follow all the safety procedures as per the normal industrial practice and **COVID-19** appropriate behavior (CAB) 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.

21. 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 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.

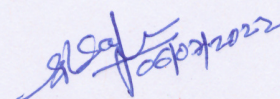
iii. Prohibition against use of BARC's name without permission for any publicity Purpose. The contractor or Sub contractor, consultant, advisor or the employees engaged by the contractor shall not be use any public purposes through any media like press, TV, or internet, without the prior written approval of BARC.

22. Security Rules:

- a) Police verification certificates are required for supervisors and laborers deployed at the site.
- b) Security rules and transport rules at BARC, Trombay premises shall be strictly followed.
- c) Laborers below 18 years of age shall be not allowed to work at site.

Thanking you,

Yours faithfully,



S.R.Satre, SO/E
022-25596151

Encl : (1) Annexure- 1
(2) Annexure-2

1. **Technical specifications:** As per Annexure-C
2. **Commercial Specifications**
 - I. **Work place:** PDL building in DEED Complex and Hall-5 of Alkali Material & Metal Division, Chemical Engineering Group (ChEG), BARC-Trombay-85
 - II. **Quotation validity:** Quotation should be valid for a minimum period of 90 days from the due date of the tender.
 - III. **Quote Format:** Bidder is requested to quote for the above job on lump-sum basis with mention of applicable taxes. Quotation price format will be like,
 $\text{₹.....(Basic lumpsum cost)} + \text{₹.....applicable taxes(GST)} = \text{₹.....(Total cost)}.$
 - IV. A Xerox copy of GSTN, PAN CARD, PVC of Proprietor or company is to be attached with quotation along with providing GST no. etc.
 - V. **Payment terms:** Payment will be released within 60 days after satisfactory completion of work at BARC.
 - VI. **Mode of payment:** Payment will be released through ECS, the party has to fill the ECS/RTG form and submit with the delivery challan and Bill/Tax Invoice.
 - VII. **Inspection Clause:** The work will be subjected to inspection by our engineers or representative during execution of support services at our work place before final acceptance.
- 3.0 **Criteria for Evaluation of Tender:**
 - 3.1 Evaluation will be done based on consolidated price.
 - 3.2 Technical suitable lowest consolidated offer will be considered for awarding the work order.

 06/03/2022

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ANNEXURE-C

Technical Specifications of Electrical and Instrumentation Support Services

1. JOB NO.: BARC/ChEG/AMMD/MDS/SRS/2022/05/eo-p/

2. JOB TITLE:

Electrical and Instrumentation Support Services in the Lithium Recovery Plant; Fluidization based Chemical Vapor Deposition experimental setup, Heat Transfer Facility and Trichloroethylene experimental setup.

3. JOB DESCRIPTION AND TECHNICAL DETAILS:

It involves activities such as, Replacements, Repair, Dismantling, handling, re-installation and testing of Electrical & Instrumentation equipments such as Fire Alarm System, Electrical Furnace, Electrical Motors, Exhaust Fan Motors, Wall Mounted & Ceiling Fan Motors, Water Geyser, Lighting Fixtures, Transmitter-Flow/Pressure/Temperature, Pressure Gauge, Level Gauges, valves, SS piping and tubing, Laying out of power and Instrumentation cables, Provision of Temporary Power Supply, Electrical & Instrumentation work related with Non IBR Boiler, Main Air Compressor, Cooling Tower, Chiller Unit, in the heat transfer study experimental setup, Lithium Recovery Plant; Fluidization based Chemical Vapor Deposition experimental setup and Trichloroethylene experimental setup.

- | | |
|---|-----------------------------------|
| 3.1 Electrical Connection & disconnection Motors | : 3 Phase & Single phase |
| 3.2 Electrical Connection & disconnection Furnace | : 3 Phase & Single phase |
| 3.3 Peripheral Security Lights | : 12 nos. |
| 3.4 Maintenance of Fire Alarm components | : Approximate 60 nos. 4 nos. MCP. |
| 3.5 Piping & Tubing and impulse lines Cleaning | : SS 304L and SS 316Ti |
| 3.6 Servicing /cleaning of Solenoid Valves | : Approx. 50 nos. |
| 3.7 Total piping/tubing length | : Approx 150 meter |
| 3.8 Total numbers of transmitters | : Approx 25 Nos. |
| 3.9 Total numbers of flange | : Approx 50 Nos. |
| 3.10 Servicing /cleaning of pipes, flange & valve | : 6mm mm NB and 25 mm NB |
| 3.11 Servicing of Air drier | : 4nos. |
| 3.12 Periodicity of maintenance | : 12 times |

After the shutdown of heat transfer study experimental setup; fluidization based chemical vapor deposition experimental setup and trichloroethylene experimental setup, as per Site/Shift/Engineer In-Charge's instruction support service contractor shall make the necessary arrangements.

Also kindly note that, support service shall also available need based or emergency basis to help to repair and replacements of Electrical appliance as mentioned above during plant shut down or operating. (Electrical & Instrumentation equipments such as Electrical Furnace, Electrical Motors, Exhaust Fan Motors, Wall Mounted & Ceiling Fan Motors, Water Geyser, Lighting Fixtures, Peripheral Security Lights)

He shall also dismantle flanges, remove and reconnect valves, Transmitter-Flow/Pressure/Temperature, Pressure Gauge, Level Gauges, etc. and shift it to ground floor (6

meter down) for cleaning. After cleaning, contractor shall install all these items to its original position from where they were dismantled.

4. Support Service Qualification:

- a. He should have minimum 10th. Pass and shall have 10 Years of
- b. He shall submit Physically fitness certificate from MBBS registered physician at every three months.
- c. Height: Minimum 160 cms, Weight: 60 Kg. ± 2.0
- d. Age: 30 Years to 45 Years.
- e. Technical field experience from Electrical & Instrument background. (ITI qualification will preferred from relevant field)

5. JOB SITE:

The job site is PDL building (DD complex) and Hall - 5, AMMD B.A.R.C., Trombay, Mumbai-85.

6. SCOPE OF WORK:

- As per instruction by users department, contractor support service shall dismantle flanges, valves columns and pipelines etc. and shift it to ground floor (6 meter down) for cleaning. After cleaning, contractor shall install back all these items to its original position from where they were dismantled.
- Thorough cleaning of the site after completion of **each work** is also in the scope of contractor.
- All the major material *viz.* Transmitters, Level Gauge, Pressure gauge, Temperature Gauge, Exhaust fan, Heaters valves, fasteners, gaskets and consumables required for technical work etc. shall be provided by the department.
- The contractor shall arrange all necessary tools tackles to carry out the jobs.
- The contractor shall depute one or more technical support service on all working days (except Saturdays, Sundays and Government Holidays observed at BARC) at site in Mid General Shift (08:45 am to 17:15 hours).
- If required, we shall intimate the contractor three days in advance to deploy **more technical** support services at our site.
- Working shift may be change as and when required by department.
- It is estimated that one technical support services will be required for Electrical and Instrumentation Support Services at the heat transfer study experimental setup; fluidization based chemical vapor deposition experimental setup and trichloroethylene experimental setup for **Two hundred and twenty (220) working days**. The requirements shall be staggered in 220 days working days during the period of eleven (11) months from the date of issue of work order.
- User's department will provide electricity and water supply at one point each at free of cost.

7. INSPECTION AND TESTING:

Work carried out by the firm shall be inspected and tested during the execution of job as well as for its workmanship and finish on completion of individual jobs. The contractor shall carry out the job up to the satisfaction of users department.

8. GUARANTEE:

12 months from the date of completion of the work for workmanship and finish.

9. COMPLETION PERIOD: Eleven (11) months from the date of issue of work order.

10. OPTIONS:

While the contract is intended to be valid for a period of the contract, BARC reserves the right to terminate the contract by giving a notice and without any financial obligation on the part of BARC. In the event of cancellation of such a contract for a reason or the other the payment for the services carried out will be paid on the pro-rata basis. In the event of dispute the decision of Head, AMMD shall be final and binding on the contractor.

11. TERMS OF PAYMENT:

- i) No advance payment shall be made.
- ii) Full payment shall be made after necessary approvals on satisfactory completion of job of approximate 220 working days at site by Site/Shift/Engineer- in-charge. Payment will be released within 90 Days by Accounts Officer on submission of documents such as bill, advanced stamped receipt and requisite site clearance certificates etc.
- iii) Payment shall be made through ECS by Accounts Officer, BARC.
- iv) The contractor shall have to fill-up the ECS form with pre-stamped receipt along with bills, for the immediate payment.

12. INFORMATION TO BE FURNISHED:

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

- i) Contractor should quote lump sum charges for the deputation of one technical support services for 220 working days.
- ii) Taxes and duties, if any.
- iii) Validity of the offer.

Important Notes:

- The firm shall submit their quotation on its printed latter head. Computer generated forms will be construed as invalid and rejected.
- Quotation shall consist of GST Registration number and PAN number of the firm.

13. 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 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

14. Contractor shall maintain requisite Register and Records under the Contract Labour (Regulation and Abolition) Act-1970 and shall follow the rules regulations as amended by Chief Security Officer ,Gen. Section SR&W and Safety Committee of DAE/BARC etc.

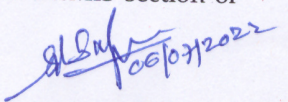
15. SAFETY RULE & SECURITY RULE:

The person shall follow all the safety procedures as per the normal industrial practice and COVID-19 appropriate behavior during the execution of the job at site. Person shall have fully vaccinated certificate from COWIN portal and updating in vaccination as per Government Guidelines as released from time to time.

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.

16. POLICE VERIFICATION CERTIFICATES:

Photo passes shall be issued in lieu of producing police verification certificates for all workmen which shall employed by the vendor for this work. Each photo pass issued to employee / supervisor or any other staff upon the completion of this work has to be surrender to the issuing authority and obtain a "No Demand Certificate" to that effect from S&MIS section of Personnel Division of BARC.


S.R.Satre, SO/E
AMMD