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MUMBAI – 400 085

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

Ref: BARC/ChED/LSS/SKA/2018/123

Date: 06/02/2018

To,

Sub: Invitation to submit your quotation

On behalf of the President of India, Head, Chemical Engineering Division, **Chemical Engineering Group (ChEG)**, Bhabha Atomic Research Centre invites lowest quotation in sealed envelope for the work given below as per the technical specifications enclosed in Annexure-1.

S. No.	Description of Job	Completion Period
1	<u>Fabrication :</u> 20A membrane cell consisting of 10x10 cm MMO coated Ti mesh anode and 10x10 cm Ti mesh cathode with suitable membrane for conducting electrochemical studies.	60 Days from the date of issue of work order

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 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.

1.3 **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.

2. Interested bidders shall contact the undersigned on Phone No. 25593363 (Ext. No.: 23363) with above mentioned details for getting the Detailed Tender Specification (Annexure-1). Bidders shall submit request letter in company's letter head for getting the Detailed Tender Specification.

3. The quotation envelope shall be superscripted with **description of the job** and the **Tender Ref. No.** mentioned above along with **Due Date**.

4. The complete quotation shall reach the following address on or before 16.00 hrs on **20/02/2018** by **only Indian Postal service**. The quotations will be opened on the same working day in Chemical Engineering Division, BARC between 1400 to 1600 Hrs.

Head,
Chemical Engineering Division,
Bhabha Atomic Research Centre,
Trombay, Mumbai- 400 085
Kind Attention: Smt.S.K. Arora

5. **Printed Letter Head:** Quotation should be printed on the letter head; computer generated quotation is not valid.
6. **Validity of the Offer:** Validity of the offer shall be 90 days from date of opening of quotation.
7. **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.
8. **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.
9. The department reserves right to extend the date of opening the quotations.
10. **Payment Terms:** Accounts Division BARC Mumbai-400085 shall make full and final payment only after submission of the satisfactory work completion certificate issued from the undersigned, bill, guarantee certificate, delivery challan and advanced stamped receipt. No advance is admissible.
11. **Income Tax Recovery Clause:** Income tax @ 2% will be deducted from the bill.
12. 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.
13. **Penalty:** Any delay which attributable to the contractor is liable for penalty @ 0.5 % per week (max 5 %) to be imposed on contractor.
14. **GST/PAN Number:** Quotation must contain the GST and PAN number of the firm.
15. **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.
16. Only Electric supply 415 volts, 3 phase, 50 c/s & water will be supplied by BARC at free of cost.

- 17. Safety Rule:** The contractor 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 contractor's liability.
- 18.** The buy-back arrangement should be followed wherever applicable for the disposal of scrap/garbage, redundant stores and debris etc.
- 19.** The contractor should ensure that the scrap generated at the work place during the course of the work should be carried safely to the designated place at BARC. The job completion certificate will be issued only after clearing of all such materials from the work premises of BARC.
- 20.** Housekeeping at the work place during the course of the work is the sole responsibility of the contractor.

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 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.

S.K. Arora
Scientific Officer – E
Chemical Engineering Division

Annexure I
Specification of the Job

1. Technical specifications:

Fabrication

20A membrane cell consisting of 10x10 cm MMO coated Ti mesh anode and 10x10 cm Ti mesh cathode with suitable membrane for conducting electrochemical studies.

Job Description:

Process development for Lithium hydroxide production from electrolysis of Lithium Chloride using Electrolytic cell with membrane separator required for departmental use.

S. No.	Description	Quantity
1.	20A membrane cell	
	10x10 cm MMO coated Ti mesh anode	01 No.
	10x10 cm Ti mesh cathode	01 No.

Job Site: The above work shall be done at Room No. F-3, Engg.Hall-5, ChED, BARC, Trombay, Mumbai – 85

Installation: Installation at BARC is in the scope of the fabricator.

Inspection and testing: Inspection shall be carried out after completion of job for their quality, finish and workmanship and shall be accepted only if found satisfactory. The experimental setup will be tested with water during the inspection.

2. Commercial terms and conditions:

2.1 **Quote Format:** Bidder is requested to quote for the above job **on lump-sum/break-up basis as per the scope of work** along with applicable taxes. Quotation price format will be like Rs..... (Basic lumpsum cost) + Rs.....applicable taxes (GST) = Rs.....(Total cost).

2.2 A Xerox copy of PAN CARD, PVC of Proprietor or company is to be attached with quotation along with providing GST no. etc.

2.3 **Payment terms:** Payment shall be released within 30 days after satisfactory completion of work at BARC.

2.4 **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.

2.5 **Inspection Clause:** The work will be subjected to inspection by our engineers during fabrication 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.