

दूरभाष : 91-22-25594757 /23336(Off)  
TELEPHONE :  
तार : बार्क-मुंबई  
TELEGRAMS : BARC-MUMBAI, CHEMBUR.  
टेलिक्स : ०११-६१०१७/०११-६१०२२ बार्क इन  
TELEX : 011-61017/011-61022 BARC IN  
फेक्स संख्या : 91-22- 25505151  
FAX NUMBER



सत्यमेव जयते  
भारत सरकार

GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र

BHABHA ATOMIC RESEARCH CENTRE

Chemical Engineering Group

Alkali Material & Metal Division

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

Due date: 11 /10/2017

S.R.Satre, SO/D  
022-25594757/6151  
srsatre@barc.gov.in

Ref:BARC/MF/ChEG/AMMD/MDS/SRS/2017/03/172628

Date: 04/10/2017

To,

Single Tender Enquiry

**Sub: Invitation to submit your quotation theirty**

On behalf of the President of India, **Head, Alkali Material & 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-1.

S. No.	Description of Job	Completion Period
1	Minor fabrication, supply, installation and guarantee of Litz cable and brazed copper tube assembly for induction heating machine at PDL building in DEED complex as per annexure-1.	<b>30 days from the date of issue of work order</b>

**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. **022-25594757/6151** (Ext. No.**24757/6151**) with above mentioned details for getting the Detailed Tender Specification. Bidders shall submit a requesting letter in companies 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: 11/10/2017**, by **only Indian Postal Service only**.

<p><b>Head,</b> <b>Alkali Material &amp; Metal Division</b> Kind Attention: <b>S.R.Satre, SO/D</b> Due date with time of submission on or before : <b>11 /10/2017</b></p>
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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 120 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 do not submit their 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 Recovery Clause:** Income tax @ 2% will be deducted from the bill.
14. 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.
15. **Penalty:** Any delay which attributable to the contractor is liable for penalty @ 0.5 % per week (max 5 %) to be imposed on contractor.
16. **ST/VAT/PAN Number:** Quotation shall consist of Sales Tax Registration Number registered with local ST authority /CST authority, PAN number of the firm, service tax registration number etc.
17. **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.

**18. 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 liability. Security and transportation rules at BARC, Trombay premises shall be strictly followed.

**19. 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.

**20. 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,  
Sd/-

**S.R.Satre, SO/D**  
**022-25594757/6151**

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

1. **Technical specifications:** As per Annexure-1

2. **Commercial Specifications**

- I. **Work place:** PDL building in DEED Complex, Alkali Material & Metal Division, Chemical Engineering Group (ChEG), BARC-Trombay-85
- II. **Quotation validity:** Quotation should be valid for a minimum period of 120 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,  
Rs.....(Basic lumpsum cost) + Rs.....applicable taxes(GST) = Rs.....(Total cost).
- IV. A Xerox copy of PAN CARD, PVC of Proprietor or company is to be attached with quotation along with providing GST no. etc.
- V. **Payment terms:** Payment shall be released within 30 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 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.

Sd/-  
S.R.Satre, SO/D  
022-25594757/6151

## Annexure-1

### Technical Specification of Litz wire and brazed copper tubing assembly

#### Item No.1

Enamelled copper wire wrapped in fibre glass insulation tape with soldered round lugs.

1. Cross Sectional Area: To be specified by the bidder.
2. Rated current: 70 Amp. Or better
3. Diameter of cable: approximate 6.2 mm
4. Strand size: 0.1mm
5. Nos. of Strand: To be specified by bidder.
6. Strand Insulation: Shall be suitable for 15KW Induction heating Machine.
7. Intermediate Insulation: To be specified by the bidder.
8. Overall Insulation: Fibre glass Braided Sleeve
9. Terminal Lugs: Round lugs type and shall be soldered at 400°C & both the end terminals shall be insulated with fibreglass tape of
10. Overlapping of Insulation: minimum 35% or better
11. Quantity: 12 Mtrs.

#### Item No.2

Brazed copper tubing assembly.

- This assembly is used to remove heat from core generated during the Induction heating operation.
- Size: ¼ Inch DHP copper
- This assembly is consisting of ¼ Inch OD tubes were interconnected by brazing by 12 nos. of solder type elbow fitting.
- Process Connection IL & OL: ¼ Inch Flare type nut.
- Copper tubing assembly shall be provided with overall insulation of fibreglass tape and Bakelite housing.
- Quantity: 01 Set.