

दूरभाषी :

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सत्यमेव जयते

भारत सरकार

Government of India

भाभा परमाणु अनुसंधान केन्द्र

Bhabha Atomic Research Centre

उच्च ताप रिएक्टर अनुभाग

High Temperature Reactor Section

हाल - 7,
ट्रोम्बे,
मुंबई - 400 085,
HALL No. 7,
TROMBAY,
MUMBAI - 400 085

Ref. No.: HTRS/KKP/344/MF/9913/2019

Date: 09/05/2019

Dear Sir(s),

Sub: **Fabrication & delivery of heating element block & tube as mentioned in HTRS/AB/2019/MF/02**

Sealed quotations are invited by Head, HTRS, on behalf of the President of India for the execution of the following job:

Fabrication & delivery of heating element block & tube as mentioned in HTRS/AB/2019/MF/02

General Notes:

- 1) The bidder shall take all the necessary safety precautions during work and they shall be responsible for any damage or accidents. No compensation in any case will be paid by the Department to the bidder.
- 2) The work shall be subject to inspection by the purchaser or his authorised representative. Work shall be conducted under their supervision and to the full extent of satisfaction.
- 3) **The work shall be completed within two calendar months from the receipt of work order.**
- 4) The quotations must reach Head, HTRS, RDDG, Engg. Hall-7, Trombay, BARC, 400085 latest by 30/05/2019. Quotations will be opened on 31/05/2019.
- 5) The above mentioned **REFERENCE NUMBER** and **DATE AND TIME OF OPENING OF BIDS MUST BE CLEARLY MENTIONED ON THE SEALED ENVELOPE** containing the quotation. Offers should be sent by **Speed Post only**.
- 6) Payment will be made as per rules, after the completion of the work to purchaser's satisfaction against submission of original bill in triplicate and advance stamped receipt.
- 7) Income tax @2% and Educational cess as applicable will be deducted from the bill.
- 8) Any delay which is attributable to the contractor is liable for penalty @ ½ % per week (Max 5%).
- 9) Bidder shall mention their GSTN and PAN Nos. in the quotation.
- 10) The offer shall be kept open for acceptance for a minimum period of 45 days from the date of opening of the quotation.

- 11) Head, HTRS reserves the right to accept/reject any or all the quotations received without assigning any reason whatsoever.
- 12) The bidder shall furnish the detailed information regarding whether an ex-employee of BARC is working in their organisation or whether any of their relative is working in DAE/BARC or whether he/she is an ex-employee of DAE/BARC. In case of absence of such information, or wrong information the quotation or contract is likely to be rejected or cancelled.
- 13) Guarantee period of at least one year must be provided for material quality and workmanship.

CONFIDENTIALITY CLAUSES:

I. 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 by the disclosing party 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.

This clause shall apply to the sub-bidders, consultants, advisers or the employees engaged by the 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 Secrets Act, 1923:-


Any contravention of the above-mentioned provisions by any bidder, sub-bidder, consultant, adviser or the employees of a bidder will invite penal consequences under the aforesaid legislation.

III. Prohibition against use of BARC's name without permission for publicity purposes:-

The bidder or sub-bidder, consultant, adviser or the employees engaged by the bidder shall not use BARC's name for any publicity purpose through any public media like Press, Radio, T.V. or Internet without the prior written approval of BARC.

Thanking you,

Yours Sincerely,



9/5/19

(Shri I.V. Dulera)

Head, High Temperature reactor Section
For and on behalf of the President of India
(The Purchaser)

Enclosures:

Specification (1 page), sketch (1 No)

आई. वी. दुलेरा/I. V. DULERA
अध्यक्ष, उच्च ताप रिएक्टर अनुभाग
HEAD, HIGH TEMPERATURE REACTOR SECTION
रिएक्टर अभिकल्पन एवं विकास वर्ग
REACTOR DESIGN & DEVELOPMENT GROUP
बाभा परमाणु अनुसंधान केंद्र/BHABHA ATOMIC RESEARCH CENTRE

SPECIFICATION FOR HEATING ELEMENT BLOCK & TUBE

1.0 SCOPE

Fabrication and delivery of heating element block & tube

Sl. No.	Item description	Quantity
I	Fabrication and delivery of heating element block as per sketch BARC/HTRS/HEB	25 Nos.
II	Alumina tube (10 mm OD, 7 mm ID, 1 meter long)	12 Nos.

2.0 TECHNICAL REQUIREMENTS

2.1 Heating element block: The item should meet the dimensional requirements of the attached sketch BARC/HTRS/HEB.

2.2 Alumina tube: Alumina tube dimensions should be OD: 10 mm (\pm 1mm), ID: 7 mm (\pm 1mm) and length 1 meter.

2.3 The material of construction should be minimum 80% alumina. The remaining composition should be SiO₃: max.18%, Fe₂O₃: max.0.3%, Na₂O: max.1%. Only alcoa alumina is to be used and the finished product should have a smooth porosity free surface finish.

2.4 The item should be usable upto 1400 °C

3.0 GUARANTEE: One year

4.0 NOTE TO BIDDER

4.1 Offers should be in Indian rupees only. All offers should be sent by speed post only, in a properly sealed envelope. The bidder should clearly mention the Inquiry number, Inquiry date, Due date on the envelope.

4.2 All taxes, including GST, should be clearly mentioned. If exemption certificates are required then it should be mentioned in the offer. Please note that custom duty exemption (if applicable) cannot be provided. Additional duties (if any) other than those mentioned in the offer will have to be borne by the supplier.

4.3 Supply of items should be to **BARC North Gate, Anushaktinagar, Mumbai – 400094**. All offers should include packing and forwarding (including delivery) charges.

4.4 Packing and forwarding: If packing and forwarding amount exceeds 3% of the basic cost or else original proof for payment of entire charges needs to be furnished

4.5 Payment: No payment will be made at the time of delivery, and no advance payment will be acceptable.

4.6 At the time of delivery the following documents should be attached with the item:

4.6.1 Warranty Certificate (for one year)

4.6.2 Delivery challan

4.6.3 Tax invoice

4.6.4 Advance Stamped Receipt

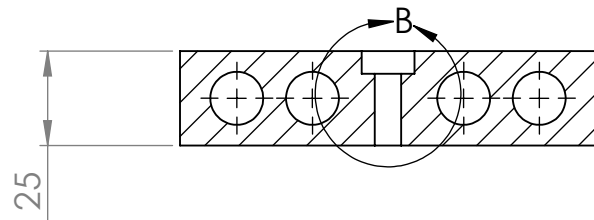
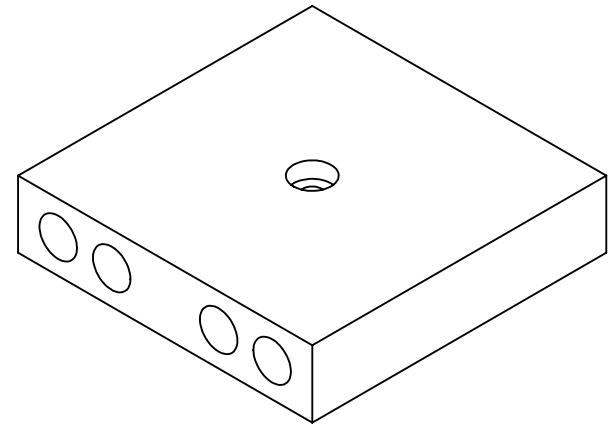
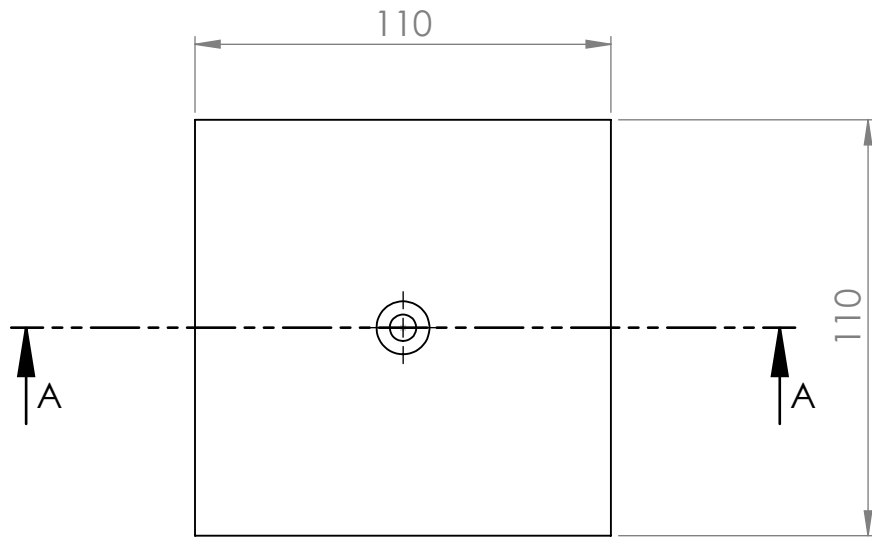
4.6.5 Annexure-II (An undertaking that GST has been promptly deposited)

4.6.6 Particulars of bank account of supplier for ECS payment

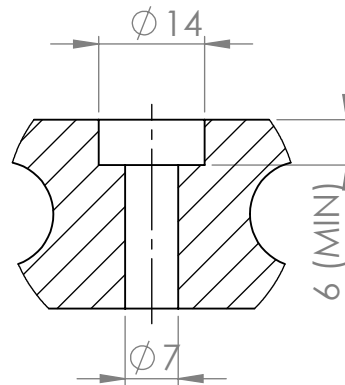
4.6.7 Cancelled Check

4.6.8 Manufacturer certificate (OM) of alumina powder

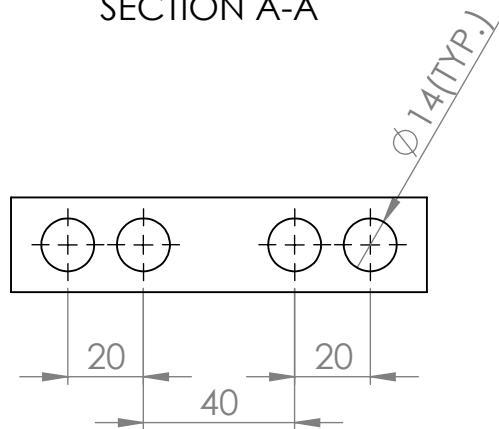
4.7 The bidder must note that post supply inspection of the items supply will not be permitted.



SECTION A-A



DETAIL B
SCALE 1 : 1



NOTES

- (1) ALL DIMENSIONS ARE IN mm
- (2) MATL: 80% ALUMINA, SHOULD BE USABLE UPTO 1400 C
- (3) SURFACE FINISH SHOULD BE SMOOTH AND NON POROUS

SKETCH: BARC/HTRS/HEB
HEATING ELEMENT BLOCK
DATE: 2019-05-09