Government of India  
Bhabha Atomic Research Centre  
Metallic Fuels Division

Ref: MFD/AJ/OPA/172507  

Date: 12-09-2019

To,

M/s

Dear Sir,

We request you to submit your quotation for “Fabrication, supply and guarantee of Quartz tube of Type 1, Type 2 and Type 3”. (Details of technical specifications and dimensions are enclosed in Annexure-1)

Yours Faithfully,

(Arihant Jain)  
Scientific Officer (C)

Encl.: 1. Annexure (4 pages)
ANNEXURE-1

SCOPE:
"Fabrication, supply and guarantee of Quartz tube of Type 1, Type 2 and Type 3". (Details of technical specifications and dimensions are enclosed in Annexure-1)

GENERAL:
Scope:
This specification establishes the requirement for the fabrication, supply, and guarantee of Quartz tube of Type 1, Type 2 and Type 3 as per the following specifications.

Manufacturer shall follow all the instruction given in this annexure. The manufacturer shall prepare the fabrication drawings, get approved by the user, inform about the manufacturing procedures, pre-dispatch inspection, prepare for shipment and supply the quartz tube to purchaser's stores. Manufacturer is also required to submit the trace element analysis report of the quartz tube to the purchaser.

The required quantity shall be as under:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Description</th>
<th>Quantity Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Type -1 Quartz tube</td>
<td>8</td>
</tr>
<tr>
<td>2.</td>
<td>Type -2 Quartz tube</td>
<td>5</td>
</tr>
<tr>
<td>3.</td>
<td>Type -3 Quartz tube</td>
<td>10</td>
</tr>
</tbody>
</table>

Details of each item in the above table is given as follows:

TYPE-1: SAND-FINISHED TRANSLUSCENT SILICA QUARTZ TUBE

SPECIFICATIONS:
INNER DIAMETER: 170mm
OUTER DIAMETER: 200mm
LENGTH: 860mm
FINISH: Outer surface of the tube shall be sand-finished.
   Inner surface of the tube shall be smooth glass finish.
The Quartz tube will be fitted with Neoprene L-Gaskets on top and bottom face. Therefore, the top and bottom surface should be Mirror finish polished to get vacuum leak tightness.
TYPE-2: SAND-FINISHED TRANSLUCENT SILICA QUARTZ TUBE
SPECIFICATIONS:
INNER DIAMETER: 220MM
OUTER DIAMETER: 250MM
LENGTH: 900MM
FINISH: Outer surface of the tube shall be sand-finished.
Inner surface of the tube shall be smooth glass finish.
The Quartz tube will be fitted with Neoprene L-Gaskets on top and bottom face. Therefore, the top and bottom surface should be Mirror finish polished to get vacuum leak tightness.

TYPE-3: TRANSPARENT SILICA QUARTZ TUBE
SPECIFICATION:
INNER DIAMETER: 145MM
OUTER DIAMETER: 155 MM
LENGTH: 900MM
FINISH: MIRROR GLASS FINISH on all surfaces.

List of general instructions
1. Bidder should quote according to the DPS purchase rules, terms and conditions.
2. It is to inform, that all the persons entering BARC, Mumbai premises are required to hold valid “Police Verification Certificate” or government issued photo identity card (Passport/Aadhaar) failing which they will not be allowed to enter inside BARC, during supply of material (If required).
3. The tentative working hours for mechanics shall be 09.00 hrs to 17.30 hrs of all BARC working days.
4. All material shall be new and of best quality confirming to the relevant Standards/specification wherever applicable. Material test certificate has to be submitted along with material wherever applicable. All material shall be inspected by the department representatives before delivery.
5. Insurance: The manufacturer shall insure all the material during transit from factory to delivery site.
6. Rates quoted by the bidder should specifically include all taxes, freight, levies, duties etc. and shall remain firm throughout the currency of the contract.

Packaging & shipment: All the Accepted tubes shall be suitably packed to avoid any damage to the assemblies before final dispatch; it shall be dispatched to
RLG Stores Officer
Radiological Zonal Stores.
Bhabha Atomic Research Centre
Mumbai- 400 085

- The inspected and accepted Assemblies shall be delivered to:
RLG Stores Officer
Radiological Zonal Stores.
Bhabha Atomic Research Centre
Mumbai- 400 085
You shall send your offer in a sealed envelope (strictly by registered post/Speed post only) indicating delivery period, price inclusive of taxes and other relevant information, to:

Arihan Jain  
Metallic Fuels Division  
Bhabha Atomic Research Centre  
Trombay,  
Mumbai 400 085  

- Quotation shall reach us by speed post/register post only on or before 20-09-2019 before 11.30 hrs.  
- Please send "REGRET" if not quoting.  
- On top left corner of the sealed envelope please indicate  

"Fabrication, supply and guarantee of Quartz tube of Type 1, Type 2 and Type 3". (Details of technical specifications and dimensions are enclosed in Annexure-I)".  
All applicable taxes should be clearly mentioned.  
- Overwriting, scratching etc. must be avoided in the quotation. Rewriting the whole figure shall carry out any alteration in the figure. The authorized person from the firm shall countersign such figure.

1. The delivery period mentioned in the quotation shall be strictly adhered to. If the contractor fails to supply and secure extension of delivery date before effecting delivery of the supply against the contract, acceptance of such item by the purchaser will in no way prejudice the right of the purchaser to levy liquidated damage nor will it be entitled to the contractor for payment of statutory levies that comes into force after the expiry of the delivery date.

- Guarantee / Warranty of the material supplied for one year.  
- Early delivery schedule will be given a consideration.  
- You may contact Shri Arihan Jain (25595008) for any clarification.

PLACE OF DELIVERY:  
- The inspected and accepted assemblies shall be delivered to:  
  Stores Officer  
  Radiological Zonal Stores  
  Bhabha Atomic research centre  
  BOMBAY 400 085

INSPECTION AND TESTING:  
The purchaser will have access at all reasonable times to all shops of the contractor and the sub-contractors where material is being fabricated and assembled and all reasonable facilities for such inspection shall be provided. Prior to the supply of item the manufacture has to get it approved from the purchaser.

PAYMENT TERMS:  
Full payment will be made only after the satisfactory completion of Work order and delivery of “Fabrication, supply and guarantee of Quartz tube of Type 1, Type 2 and Type 3”. (Details of technical specifications and dimensions are enclosed in Annexure-I)". Please note that income tax @ 2% will be deducted from your bill. No part payment or advance
payment will be made. For this mode of payment, you are required to draw your invoice in the name of Director, Nuclear Fuels Group, Bhabha Atomic Research Centre, Mumbai 400085, in triplicate along with Advance Stamp receipt and to be submitted along with “Fabrication, supply and guarantee of Quartz tube of Type 1, Type 2 and Type 3”. (Details of technical specifications and dimensions are enclosed in Annexure-I)

- Company’s PAN No. should be furnished along with the bill.
- Company’s copy of Sales Tax /Service Tax Registration Certificate has also to be furnished along with the bill.

DELAY CLAUSE:
Any delay which is attributable to the contractor is liable for penalty @0.5% per week (max. 5%) to be imposed on the contractor.

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-contractors, consultants, advisers or the employees engaged by a party with equal force. “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 contractor, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation. Prohibition against use of BARC’s name without permission for publicity purposes:- The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC’s name for any publicity purpose through any public medial like press, radio, T.V. or Internet without the prior written approval of BARC.

Arihant Jain
Scientific officer (C)
(On behalf of the President of India)