



GOVERNMENT OF INDIA  
BHABHA ATOMIC RESEARCH CENTRE  
URANIUM EXTRACTION DIVISION

**Ref No: UED/Pl.13/189212**  
3/10/2018

**Date:**

**TENDER ENQUIRY**  
Tender No.: **BARC/UED/SP/18105**  
Due date: **10/10/2018**

Sub: Fabrication, Supply and guarantee of laboratory equipments inside BARC

Dear Sir,

Quotations are invited for & on behalf of President of India by UED in sealed envelopes for Fabrication, Supply and guarantee of laboratory equipments inside BARC.

**1. Scope of work:**

To fabricate and supply of the equipments as per the specifications given below:

<b>Name of equipment</b>	<b>Specification</b>
1. Ultrasonic Processor(40KHz)	Frequency 40±2 kHz, Capacity : 3Lit (Max) 240 V, AC, 50 - 60 Hz, 1 Phase. <u>Ultrasonic Supply</u> : 250 Watts <u>Power Variation</u> : From 60 -100% <u>Process Control</u> : Micro-processor based Programmable timer with display for selecting ON time, OFF time & Total Time of processor, display of Total power delivered in Watt as well as amplitude, provision for both continuous and pulse mode. <u>Processor Tips</u> : Detachable type made of Titanium 15 mm and 30 mm tips. <u>Ultrasonic Horn</u> : MOC suitable to withstand 2N nitric acid media to be fitted with PZT Transducer (Sandwich Type) <u>Ultrasonic Generator</u> : Ultrasonic Generator shall be in MS powder coated cabinet with all control switches & display. Accessories: Stand for the horn shall be such to have adequate space for placing heater etc beneath the reaction chamber. Device for height adjuster shall be provided. Qty 1
2. Stirrer Unit	Type of Product Mini Stirrer Stirring Shaft Dia x Length(mm) 8 x 250 mm Stirring Capacity (Ltrs.) 5 Ltr.(Max) Speed (RPM) :50-1500 RPM Stand Length :600 mm Digital Timer Range 0-99 min Digital display: RPM shall be displayed digitally Supply 220-240 V, 50 Hz, Single Phase Shaft MOC: SS304L Qty 1

3. Magnetic stirrer with hot plate	Type of Product : Stirrers with Hotplate Max. stirring quantity(Liters) : 2 Ltr Stirring Paddle shall be provided 2 in Number of standard size Power : 300W Shall have digital display of RPM Temperature limit: upto 120 °C Qty:1
4. pH indicator	Measurement range -1 to 15 pH Suitable for semi solid and slurry application shall have Open pore spear Tip sensor– for tough, fast, stable reading and minimizing clogging tendency Operating temperature 0-50 °C Accuracy± 0.01pH Clear display with measurement is required Qty:2

## 2. Quantity:

Item	Qty
1. Ultrasonic Processor(40KHz)	1
2. Stirrer Unit	1
3. Magnetic stirrer with hot plate	1
4. pH indicator	2

## 3. Material:

All the material required for execution of the job will be provided by the party. BARC will not provide any free issue material.

## 4. Price:

Offered price/cost shall be for the entire scope of work.  
Applicable taxes shall be quoted separately.

## 5. Installation and Performance Testing:

### a. At vendor's place:

Performance testing of all the equipments will be carried out before dispatching the item to BARC.

## A. TERMS AND CONDITIONS

**Note:** [Reference: (2/Misc-9/Lgl/2001/92 dated April 30, 2001, BARC)]

- Confidentiality:** No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as “Propriety” 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.

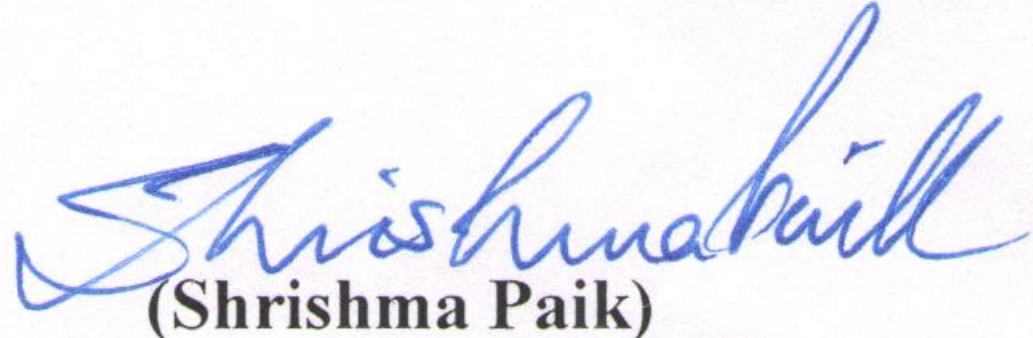
3. Prohibition against use of BARC's name without permission for publicity purposes:

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 media like Press, Radio, TV or Internet without the prior written approval of BARC.

6. **PRICE:** Offered cost should be including the entire scope of work (supply, installation, taxes, packing & forwarding, transportation etc).
7. **VALIDITY:** Price should be valid throughout the contract.
8. **TAX:** As applicable.
9. **DELIVERY PERIOD:** Within 1 month from the date of receipt of the order.
10. **INCOME TAX:** Income Tax @2% shall be deducted from vendor's bill.
11. **PAYMENT:** 100% including taxes after receipt of the unit at our site, successful commissioning and submission of the following documents:
  1. Delivery Challan.
  2. Advance Stamped Receipt.
  3. Original Bill.

Party should clearly mention the tender no, due date, party's name and subject on the top of the envelope duly sealed and addressed to Head, Uranium Extraction Division BARC, Trombay, Mumbai – 400 085.

**Note:** Please mention your PAN No & GST No with the offer. Otherwise the offer is liable for rejection.

  
(Shrishma Paik)  
Dh- 26515