



# NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

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**BID REFERENCE:** NITD/CHEMICAL/ MHRD-IMPRINT PROJECT /2018-19/02

**Date:** 08.05.2018

To

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Dear Sir,

**SUB:** Invitation for quotations for supply and installation of “**Probe Sonicator**” under **MHRD (GOI)** - sponsored project “**Reclamation of Steel Industry Wastewater through Phycoremediation Technique Using Microalgae and Assessment of Biofuel Production from Algal Biomass**” approved by **IMPRINT** (Impacting Research Innovation and Technology) scheme of Ministry of Human Resources Development, Government of India as specified in **Annexure-II**.

1. You are invited to submit your most competitive quotation for the item as per technical specification given in **Annexure-II**. Superscribe the cover envelope as “**IMPRINT-Probe Sonicator**”. Price bid form as per Annexure-I must be filled with complete numerical values. Please note that each item will include sub-items.
2. **Bid Price (Annexure-I)**
  - a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
  - b) All duties, taxes and other levies payable by the bidder under the contract shall be included in the total price **F.O.R. NIT Durgapur**.
  - c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subjected to adjustment on any account.
  - d) The bid price must be quoted in **Indian Rupees**.
3. Each bidder shall submit only one quotation for each item. Manufacturer/authorized dealers of reputed brands of high technical quality with adequate after-sales support facilities are eligible to apply. The bidder must have supplied similar good to reputed organizations to their full satisfaction and furnish a list of the same.
4. **The bid submitted by the bidder must comprise the following:**

**Part-I (Techno-commercial Bid)**

- (a) Detailed technical specifications, conforming to the given specifications (vide Annexure – II), and literature /drawings /manuals of the goods/services are to supply.
- (b) Authorized dealership certificate from the original manufacturer
- (c) Credentials and list of organizations where the bidder supplied similar items
- (d) Warranty period (3 year comprehensive on-site)
- (e) Valid sales-tax / VAT clearance certificate
- (f) GST certificate

**Part-II (Price Bid)**

- (a) Price bid as per Annexure-I

5. **Quotations are to be submitted in two separate sealed covers marked PART-I (Techno-commercial bid) and PART-II (Price bid)** containing relevant documents, superscripting **BID REFERENCE: NITD/CHEMICAL/ MHRD-IMPRINT PROJECT /2018-19/02 dated 08.05.2018**. These two sealed covers are to be placed in a separately sealed larger cover. It should be superscribed **“Not to be opened before 11.30 am on 11/06/2018”** on these envelopes.

**6. Validity of Quotation**

Quotation shall remain valid for a period not less than **90 days** after the deadline date specified for submission.

**7. Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e.

- (a) which are properly signed and
- (b) Conform to the terms and conditions, and specifications.

**8. Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive, technologically acceptable and who has offered the lowest evaluated quotation price.

**8.1** Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

**8.2** The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Delivery shall be made at **Department of Chemical Engineering at NIT, Durgapur, West Bengal, India.**

10. Payment shall be made immediately within 30 days after satisfactory installation, commissioning and acceptance of the good.
11. Comprehensive onsite warranty shall be applicable to the supplied goods for a period of **36 months** from the date of installation.
12. **100%** payment shall be made by the purchaser by account payee cheque within a period of thirty (30) days after the installation and satisfactory working of the goods against the submission of a valid **bank guarantee** of **10%** of the order value towards **Performance security** to be retained during the warranty period. Otherwise 90% payment will be made initially and rest will be paid after successful completion of warranty period.
13. The Institute is **exempted from payment of custom and excise duty** on items mentioned below:
  - a) Scientific and technical instruments, apparatus, equipment (including computers)
  - b) Accessories, spare parts and consumables thereof
  - c) Computer software, CD-ROM, recorded magnetic tapes, microfilms, and microchips.
14. **Liquidated Damage** will be applicable at the rate of **0.5%** per week. The purchaser has the right to cancel the purchase order when LD accumulates to 10 %.
15. Settlement of any dispute will be made under the jurisdiction of Durgapur Court.
16. You are requested to provide your offer latest by 11.00 hours on **June 11, 2018**.
17. The purchaser will open the bids at 11.30 am on **June 11, 2018**, in the HOD office of Chemical Engg Department, NIT Durgapur, West Bengal, India.
18. The bid document must be signed and sealed and enclosed with the bid as a token of acceptance of all terms and conditions in the bid document by the bidder.
19. The items must be delivered within **45 days** from the date of placement of purchase order at the respective department.
20. Comprehensive onsite warranty for **36 months** from the date of satisfactory installation shall be applicable for offered goods.
21. All other terms and conditions of **GFR 2017** of the Government of India will be applicable.
22. **Place of Delivery: Dept. of Chemical Engineering, NIT Durgapur, West Bengal, India.**

**23. Installation / commissioning / demonstration requirement: Installation, commissioning, complete demonstration and successful running at Dept. of Chemical Engineering, NIT Durgapur, West Bengal, India.**

**24. Good Quality / Branded quality used for the components. Details specification of the materials of construction of the equipment to be mentioned in the quotation.**

I look forward to receiving your quotations and thanking you,

**Dr. Susmita Dutta**  
**Principal Investigator**

**The bid must be addressed to:**

**Dr. Susmita Dutta**  
**Associate Professor & Principal Investigator,**  
**MHRD-IMPRINT PROJECT**  
**Department of Chemical Engineering**  
**NIT, Durgapur -713209, W.B.**  
**Telephones: + 91-9434788120**



**Annexure-II**

**Technical Specification of Probe Sonicator:**

| <b>Sl. No.</b> | <b>Name of the Instrument</b> | <b>Technical Specifications</b>  | <b>Qty.</b> |
|----------------|-------------------------------|--|-------------|
| 01.            | <b>Probe Sonicator</b>        | <ol style="list-style-type: none"><li>1. Ultrasonic power: 120 W.</li><li>2. Ultrasonic frequency: 20 kHz.</li><li>3. Microprocessor based timer (0 – 99.9 min.) should be provided.</li><li>4. Power variac (0 – 270 V) should be provided to adjust the power of ultrasonic to accommodate the size of the sample.</li><li>5. Processor should consist of two parts: Generator &amp; probe assembly.</li><li>6. Probe assembly should consist of aluminium casting foundation, PZT stag and stainless steel booster &amp; horn.</li><li>7. Probe assembly should rotate 360° horizontally.</li><li>8. Probe assembly should move up and down axially.</li><li>9. A platform made of aluminium or better material to rest the samples.s.</li><li>10. The platform should move up and down by a stainless steel lever.</li><li>11. Probe tip diameter should be either 3 mm or 5 mm.</li><li>12. Upto 250 mL liquid should be processed.</li><li>13. Probe tip should be detachable.</li><li>14. Ultrasonic power should be axially through probe assembly.</li><li><b>15.</b> After Sales service by Kolkata/Eastern region (India) based service centre.</li><li><b>16.</b> Quoted Brand must be ISO certified.</li><li><b>17.</b> Adequate number of installations in wide range of customers in various prestigious research and academic organizations.</li></ol> | One         |