

**INDIAN INSTITUTE OF TECHNOLOGY, DELHI**  
**HAUZ KHAS, NEW DELHI – 110016**  
**Department of Mechanical Engineering**

**Date: 21-10-13**

**Notice Inviting Quotations**

Quotations are invited for the purchase of Ultrasonic Liquid Sonicator (Probe type). Interested suppliers are required to submit their quotations as per the specifications given below.

**Technical specifications:**

- Power greater than 120 watts, Frequency (minimum) 20 kHz
- Option for change of the probe as per the requirement
- Probe for Working volume from 10 ml to 50 ml
- Probe diameter between 2 to 10 mm
- Programmable Timer at least for 10 hours
- Adjustable Pulse On/Off one second to one minute
- Voltage 110V, 50/60Hz
- Programmable operation
- Digital amplitude / intensity control
- Elapsed time indicator , displays duration of sonication
- It should include all necessary accessories
- Display of wattage and joules
- Real-time energy monitoring
- Prevents damage to circuitry if a fault occurs
- Monitor should have control of current/power as well as the time
- Optional : temperature monitoring, and sound proof chamber
- Overload protection
- Stand with clamp

The sealed quotations are to be submitted in two separate envelopes:

A- for Technical Quote (Specifications) &

B- for Financial Quote.

(For details see ANNEXURE I)

Both these envelopes should be enclosed in an outer envelope, which should also be sealed and addressed to, Dr. Sudarsan Ghosh, clearly mentioning on top right corner of the envelope "Quotations for Probe sonicator" with due date.

The sealed quotation (the "technical bid" & -financial bid" should be in separate and clearly marked sealed envelopes) should be addressed to Dr. Sudarsan Ghosh, Room No. 359, Department of Mechanical Engineering, IIT Delhi, Hauz Khas, and NewDelhi-110016. Those who want to submit it by hand should give this to Room No. 359, Block III, Department of Mechanical Engineering. The quotations should reach by 05/11/2013.

#### ANNEXURE I

Envelope A: Technical Quote: The following details are to be enclosed

(Mention clearly on this envelope- Technical Quote)

1. Technical brochures mentioning all details with complete address of the principals.
2. A compliance chart based on the specifications as per the NIQ.
3. List and addresses of organizations where the probe sonicator has been supplied in the last 3 years in India.
4. Address of the technical office in India (if any) with telephone and FAX numbers. Kindly clarify the type of support available in India.
5. If quote is for imported material supplied through Indian Agent, Sole Agency- ship certificate on the letterhead of the principal company should be provided, if the quotation is from an Indian Agent.

Envelope B: Financial Quote: The following details are to be enclosed/ ensured.

(Mention clearly on this envelope- Financial Quote)

1. The prices quoted must include charges for delivery at IIT Delhi.
2. The quote should be in INR and all taxes applicable should be mentioned clearly.
3. Institute makes payment after successful delivery. In case the payment terms are different, it should be mentioned clearly.
4. Validity of the quote should be 90 days.
5. The delivery period to be clearly specified.
6. If some specifications are not being met, deviations may be clearly stated. In the unlikely event that none of the vendors are able to meet all the specifications, the committee reserves the right to waive or relax any of the requirements at the technical evaluation stage.
7. No advance payment shall be made.
8. The Quotation received after due date will not be considered.
9. The Institute reserves the right to reject any quotation without assigning any reasons.

*Sudarsan Ghosh*

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