

# INDIAN INSTITUTE OF TECHNOLOGY GOA

At Goa Engineering College Campus

Farmagudi, Ponda, Goa 403401

E-mail: [purchase@iitgoa.ac.in](mailto:purchase@iitgoa.ac.in)

**Enquiry No: IITGOA/2018-19/045**

**Date: 19/12/2018**

IIT Goa invites sealed quotations in two bid format for the supply of below mentioned items;

Sl. No.	Description of Items	Qty
1	<b>Bath Sonicator</b> (Detailed specifications attached)	02 Nos.

## Terms and conditions:

1. Quotation must be valid for at least 90 days.
2. The GSTIN should invariably be mentioned in your offer.
3. Kindly attach a compliance certificate along with the technical quote.
4. Supplier should provide free delivery and installation at IIT Goa.
5. Supplier should provide minimum three-years warranty for the above stated item.
6. Prices should be quoted in Indian Rupees inclusive of any shipping/transportation charges.
7. Delivery and installation must be made within 4 weeks of getting a confirmed order.
8. Payment: Within 30 days after the delivery and successful installation.
9. The suppliers shall provide the banking details along with their quote on their letterhead duly signed and stamped.
10. IIT Goa reserves the right to accept and/or reject any/all bids without assigning any reason.
11. For any clarification, you may kindly contact Dr. Arindam Das (e-mail: [arindam@iitgoa.ac.in](mailto:arindam@iitgoa.ac.in)) and Stores & Purchase Department (email: [purchase@iitgoa.ac.in](mailto:purchase@iitgoa.ac.in)) till 28/12/2018.
12. Quotations shall be submitted in two parts;
  - 1) **Part – I (Technical)** should contain all the technical details and specification of the product. It should contain unpriced bid along with terms and conditions, compliance certificates, Proprietary certificates (if applicable), other certificates etc. This envelope should be marked as “Technical Bid”
  - 2) **Part -II (Financial)** The financial bid of the above item should be in a sealed envelope marked as “Financial Bid” and should contain financial terms and conditions.
- 13) All sealed quotations must reach to the Assistant Registrar (Stores & Purchase), IIT Goa, at Goa College of Engineering Campus, Farmagudi, Ponda - Goa by 17:00 Hrs on or before 09<sup>th</sup> January, 2019.

Sd/-

Asst. Registrar (S&P)

Center of Excellence in Particulates, Colloids and Interfaces

Indian Institute of Technology Goa

GEC Campus, Farmagudi

Goa 403401

**Technical Specifications of Bath Sonicator**

**The Bath Sonicator should have following technical Specifications**

- 1) It should transform low frequency AC current and produce high frequency sound wave not less than 40 kHz.
- 2) It should be applicable for cell separation, sample preparation and degassing of liquid.
- 3) The capacity of tank should be at least 5 litres.
- 4) The apparatus should have such feature that provides the uniform cleaning throughout the tank by creating ultrasonic overlapping waves.
- 5) It should have with digital timer, power timer, sleep mode and degas feature.
- 6) The inside tank material should have high quality corrosion resistance stainless steel body. Outside should be made of corrosion resistant chemical resistant plastic.
- 7) The power supply should be according to Indian standard 230 VAC and 50 Hz
- 8) It should able to perform heated cleaning up to a temperature at least 60°C .The highest limit of the timer should at least 90 minutes.
- 9) It should be digitally controlled not mechanically.
- 10) High Low Power control: 100% power to the tank for normal applications, 70% or lower power for delicate applications.
- 11) Energy saving sleep mode should be there with 10 – 20 minutes activation time.
- 12) High temperature safety alarm must be there.
- 13) The control panel should be waterproof.
- 14) The instrument must have accessories like solid bath, mesh basket , perforated tray.
- 15) It should assisted by the liquid drain system through a tube.
- 16) Free installation including demo of handling and safety precautions.
- 17) Must provide a user manual.

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18) Should have user-friendly menu.

19) 5 Years comprehensive warranty preferable. Minimum 3 year warranty is required.

**Additional features/accessories if any that can potentially increase the productivity and safety of the instrument should be quoted as optional items.**

**Miscellaneous:**

- 1) Quoted brand and model must have global presence among globally reputed research labs and academic institutes and industry R&D labs across the globe.
- 2) Bidder should supply the complete list of users from only national labs and IIT/IISER / CSIR from India. User list and contact details should be provided only for the quoted model.
- 3) All optional accessories compatible with the quoted model must be quoted separately.
- 4) After Sale, Service should be available promptly. Round the clock technical help must be provided to the users.

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