

**Department of Mechanical Engineering
Indian Institute of Technology, Kanpur**

IITK/ME/2012-2013 /SB/ 07

Date: 07-09-12

Sealed Quotation for following term:

Opening date: 07-09-12

closing date: 14/09/2012

Subject: Purchase of Ultrasonic Processor

The detailed specifications of the intended purchase are mentioned below.

- 1.Should have Auto frequency chasing, avoiding the adjustment of the peak value during working.
- 2.Should have LCD display and must be easy to operate.
- 3.Duty ratio needed 0-99.9%
- 4.Can be programmed and must have data storage capabilities.
- 5.Should be Integrated with Temperature control, with function to protect sample from overheat.
- 7.Power supply ratings needed $220/110 \pm 5\%$
Output Frequency Needed: 20 KHz, Power Output Needed: 150Watts, Standard Titanium probe of 3mm diameter compatible with our vial size is needed, Sound protection box with inner lifting jack, Sonication volume : 5-50 ml.

Form

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