Description of item

Ultrasonicator with the following specifications:

- Ultrasonic frequency: With more than two different ultrasonic frequencies in one unit.
  There should be an option to switch one to other frequency during the operation.
- Tank minimum capacity: 2.5 liters
- Ultrasonic power ~ 120/100
- Heating Power ~ 200 (W)
- Ultrasonic Peak Power ~ 480W
- Power control – should be able to control the ultrasonic power for sensitive surfaces.
- Sweep – for an even distribution of the power in the cleaning tank.
- Degas – for the quick degassing of HPLC samples or solvents.
- Temperature-controlled start-up – Ultrasonic activity should start only after the set temperature
  is reached.
- Automatic stirring during heating-up process.
- Safety switch-to automatically cut unintended permanent operation.
- Automatic safety switch-off at ~ 90 °C to protect the cleaning items against excess
  temperatures.
- Display-indication of set and actual values.
- Option to save the last set values.

The firms who wish to supply the items are requested to submit the quotation in sealed cover to the
undersigned on or before 15.03.2013.

05.03.2013

[Signature]

Professor & Head
Department of Optoelectronics
University of Kerala, Kariavattom, Thiruvananthapuram, India – 695581, Ph: 91 471 2308167