

**Department of Physics, University of Kerala, Karyavattom,
Thiruvananthapuram, Kerala, India – 695 581, Ph: 91 471 2308920**

Tender No: PHY/109/22-23

Dated: 30.11.2022

Quotations are invited for the supply and installation of the following equipment for research purpose in **two-bid mode**.

MAGNETIC HYPERTHERMIA UNIT

Magnetic hyperthermia unit is used to measure the temperature change of magnetic nanoparticles with ac magnetic field. The technical details of magnetic hyperthermia unit are mentioned below.

• Field Range	0 – 200 mT
• Cooling	Water/Air
• Coil Material	Copper 99.9% tube
• Coil Diameter	ID: 20mm
• Frequency of Operation	125kHz and 250 kHz
Infrared Temperature sensor with	
• Temperature Range	RT – 500°C
• Accuracy	± 0.5°C
• Resolution	≤0.01°C
• Repeatability/ Stability	≤0.1°C
• Sample forms to be analysed	Powder, Gel, fluids, and biological cells

- **Three years warranty should be provided.**
- **Proper shielding of measurement system should be provided.**
- **PC for data acquisition.**
- **Provide full image of the instrumental setup.**

Quotes should be inclusive of the cost, freight, taxes, etc. Terms and conditions of warranty should be clearly mentioned. Items should be delivered at the Department of Physics. The quotes should be valid for at least 120 days. **Please quote your technical bid and price bid separately.**

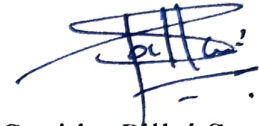
The sealed quotations (hard copy) should reach **“Dr. Savitha Pillai S, Department of Physics, University of Kerala, Karyavattom, Thiruvananthapuram, Pin- 695 581, Kerala”** on or before **30.12.2022, 3:00 pm.**

Sd/- 

The Head
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University of Kerala
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Technical contact



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