



# UNIVERSITY OF KERALA

DEPARTMENT OF PHYSICS

KARYAVATTOM, THIRUVANANTHAPURAM, INDIA – 695581.

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*(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act 1974 passed by Kerala State Legislative Assembly)*  
(NAAC Reaccredited with 'A++' Grade)

KU/PHY/31/23-24

05.05.2023

## Quotation Notice

Competitive Quotations are invited for the supply, installation, testing and commissioning of **Hot-plate with magnetic stirrer (2 Nos)** to the **Department of Physics, University of Kerala, Kariavattom, Thiruvananthapuram**. The specifications required are given below:

### Required specifications

- Number of stirring/heating position: 1
- Powerful motor for stirring quantities of up to 10 L (water)
- Speed range of 100-1500 rpm
- Heating temperature range: 50-500 °C.
- Temperature resolution should be 5 K or minimum
- Heating rate should be  $\leq 5K/min$ .
- Digital display (LED) to show the set temperature and exact temperature.
- Should have a Hot Top indicator for hot surface warning to prevent burns
- Fixed safety circuit of 550 °C
- Elevated control panel for protection against leaking liquids
- Set-up plate material must be ceramic
- Set-up plate dimension not less than 180 x 180 mm
- Self-heating of the set-up plate by maximum stirring at room temperature for 1h  $\leq 1K$

### Terms and Conditions

1. Quotes should be inclusive of the cost, freight, taxes, installation charges and any other charges.
2. The terms and conditions of warranty should be clearly specified.
3. The items should be delivered to the Department of the Physics, University of Kerala, Kariavattom campus

The sealed quotations, along with all technical specifications of the quoted product, should reach **The Head, Department of Physics, University of Kerala, Kariavattom, Thiruvananthapuram, Pin- 695 581, Kerala** on or before **25.05.2023, 3.00 PM**

**Dr.V. Biju  
Professor & Head**