

**Department of Physics**  
**University of Kerala, Kariavattom Campus, Thiruvananthapuram-695581**

**No. Phy / Single Stirrer/ 2022-2316-09-2022**

**Quotation Notice**

Quotations are invited for the purchase of a hot-plate with magnetic stirrer for **Department of Physics, University of Kerala, 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 (H<sub>2</sub>O)
- Speed range of 100-1500 rpm
- Heating temperature range: 50-500 °C.
- Temperature resolution should be 5 K or minimum
- Heating rate should be  $\leq 5\text{K}/\text{min}$ .
- Voltage 230 V, frequency 50/60 Hz, power input 1020W
- 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
- Setup plate material must be ceramic
- Setup plate dimension not less than 180 x 180 mm
- Self-heating of the set-up plate by maximum stirring at room temperature for 1h  $\leq 1\text{K}$

**Terms and Conditions**

1. Quotes should be inclusive of the cost, freight, taxes, etc.
2. The terms and conditions of the warranty should be clearly mentioned.
3. The items should be delivered to the Department of the Physics University of Kerala, Kariavattom.

The quotations should reach "**The Head, Department of Physics, University of Kerala, Kariavattom, Thiruvananthapuram, Pin- 695 581, Kerala**" on or before **03-10-2022**

*Sd/-*

*Professor & Head*