

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

Tender No: **PHY/389/21-22**

Dated: 18.11.2021

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

VACUUM OVEN

Vacuum oven, unlike a general-purpose oven, dries samples without oxidation and residue. Samples can be dried in absence of atmosphere (vacuum condition) or presence of inert atmosphere (argon or Nitrogen) using vacuum oven. The design should comprise a heat resistant chamber fabricated with stainless steel, and provided with two numbers of removable shelves. The chamber should be integrated with a vacuum gauge and suitable nozzles, a digital indicating PID Temperature Controller with provision for time programming.

No	Item	Description/Remarks
1	VACUUM OVEN	<ol style="list-style-type: none">1. Working chamber Dimensions: 250 mm × 250 mm Depth or larger.2. No of Trays: 1 tray3. Maximum Temperature: $\geq 250^{\circ}\text{C}$4. Minimum Vacuum: -760mm Hg or better5. Programmer controller: A digital programmer controller capable of storing programs each having at least 3 segments. The temperature controller should have an accuracy of $\pm 1^{\circ}\text{C}$.6. Power Rating: approximately 3.5 kW7. Operating Voltage: 230 Volts, single Phase, AC <p>Remarks Vacuum Pump: The unit must contain a Double Stage Rotary Pump, gauge, and the capacity should be 100 liters or higher. Input voltage: 230 Volts, Single Phase, AC</p>

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 **18.12.2021, 3:00 pm.**

Sd/-

The Head

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