



GOVERNMENT OF KERALA  
GOVERNMENT MEDICAL COLLEGE KOTTAYAM  
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No.GMCKTM/1722/2025-C5

Date:26-09-2025

**SHORT QUOTATION NOTICE**

Sealed quotations are invited for the supply of following stores: **BOD incubator(Digital) - 1 No for the Department of Plastic Surgery**, Govt Medical College Kottayam.

The envelopes containing the quotations should bear the superscription **“QUOTATION FOR THE PURCHASE OF BOD incubator (Digital)- 1 No for the Department of Plastic Surgery** and should addressed to **“THE PRINCIPAL, GOVT. MEDICAL COLLEGE KOTTAYAM-8”**. Intending tenderers may submit the quotations in their own papers.

Last date for the receipt of quotations is **10.10.2025, 12 pm**. Late quotations will not be accepted. The quotations will be opened at **10.10.2025, 2 pm**, in the presence of such of the tenderers or their authorized representatives who may be present at that time.

Further details of the requirements and the conditions governing their supply can be obtained free on request from The Principal, Govt Medical College Kottayam till 04.10.2025, 12 pm.

**Note:Specification is enclosed herewith. For further details regarding the specification,can be had from the office until 10-10-2025 11 am**

Signed by

Dr Varghese P Punnoose

Date: 26-09-2025 15:19:17

**PRINCIPAL**

**Place:Kottayam**

**Date:26-09-2025**

**Copy To:1.Librarian, Central Library (for publishing in website) 2.Notice Boards**

## **Technical Specifications: BOD Incubator**

### **A. Capacity and Design**

- **Volume:** 80-120 Liters
- **Type:** Floor standing model
- **Shelves:**
  - Minimum of two to three, adjustable and removable
  - **Material:** Perforated Stainless Steel (SS-304 grade)

### **B. Construction and Materials**

- **Inner Chamber:** Double-walled, fabricated from high-grade Stainless Steel (SS-304)
- **Exterior Body:** CRCA (Cold Rolled Close Annealed) steel sheet, powder-coated
- **Insulation:** High-density, CFC-free Polyurethane Foam (PUF)
- **Door System:**
  - **Outer Door:** Insulated solid door with heavy-duty hinges and secure locking mechanism (powder-coated GI sheet)

### **C. Temperature Control System**

- **Temperature Range:** 5°C to 60°C
- **Temperature Accuracy:** 0.1°C
- **Temperature Uniformity:** <0.5 °C between various shelves
- **Temperature Sensor:** High-accuracy platinum resistance PT100 sensor
- **Controller:** Microprocessor-based PID digital temperature controller with LCD/LED display (touch screen preferred)
- **Refrigeration System:** CFC-free, hermetically sealed compressor

### **D. Air Circulation**

- **Type:** Forced air circulation system using a motorized blower

### **E. Operational Features & Alarms**

- **Timer:** Digital, programmable from 1 minute up to 99 hours (preferably 999 hours)
- **Alarms:**
  - Audible and visual for temperature deviations (high/low)
  - Sensor failure alarm
- **Memory & Restart:** Non-volatile memory for set points and automatic restart

after power interruption


- **Interior Lighting:** Internal LED illumination

#### F. Safety Features

- **Over-Temperature Protection:** Independent, adjustable safety thermostat (e.g., Class 3.1)
- **Over-Current Protection:** Included
- **Door Lock:** Secure locking mechanism

#### G. Certifications and Standards

- **Certifications:** CE marked, WHO GMP certification or other relevant international quality/safety certifications
- **Manufacturing Standards:** Should be manufactured by a company adhering to ISO 13485 standards.
- Good performance certificate from three high volume Government centres in Kerala to be submitted
- On site demo of the equipments is mandated if the same make is not available in the institution.

  
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