



**UNIVERSITY OF KERALA**  
(Re Accredited by NAAC with 'A++' Grade)

## **DEPARTMENT OF ZOOLOGY**

**Kariavattom**  
**Thiruvananthapuram-695581**  
**Kerala, India**  
Phone: 0471-2308906

**ZOO/Purchase/TN-1/2025-26**

**14.07.2025**

### **TENDER NOTICE**

#### **DEPARTMENT OF ZOOLOGY, UNIVERSITY OF KERALA**

Competitive Sealed quotations are invited for the purchase of Micropipette (4Nos), Analytical Balance (1Nos), Western Blotter (1 Nos), and BOD INCUBATOR (1Nos) with the specifications detailed below. Sealed quotations should be addressed to The Head, Department of Zoology, University of Kerala, Kariavattom campus, Thiruvananthapuram-695581 and should reach on or before 31.07.2025, 04:00 PM.

#### **1. Micropipette- 4Nos**

Sl. No.	Specification	Description
1	Type	Single channel adjustable pipette
2	Application	Molecular biology, microbiology, immunology, cell culture, analytical chemistry, biochemistry and genetics
3	Mode of Operation	Mechanical
4	Features	<ul style="list-style-type: none"><li>• Should have better protection against physical and chemical corrosion.</li><li>• Should be friendly for both right- and</li></ul>

		<p>left-hand users.</p> <ul style="list-style-type: none"> <li>• Volume display should always visible while pipetting.</li> </ul>
5	Volume range	<ul style="list-style-type: none"> <li>• 0.2 <math>\mu</math>l – 2 <math>\mu</math>l</li> <li>• 2 <math>\mu</math>l- 20 <math>\mu</math>l</li> <li>• 20 <math>\mu</math>l- 200 <math>\mu</math>l</li> <li>• 100 <math>\mu</math>l- 1000 <math>\mu</math>l</li> </ul>
6	Accessories	<ul style="list-style-type: none"> <li>• Shelf mounting stand</li> <li>• Pipette filler</li> <li>• Pipette controller</li> </ul>
7	Service and Protection	<ul style="list-style-type: none"> <li>• 1 years Warranty from the date of supply</li> </ul>

## 2. Analytical Balance

SL NO	Specifications	Description
1	Weighing capacity	220 g
2	Minimum weighing value	0.1mg
3	Repeatability (Standard deviation)	0 to 200 g: 0.1 mg 200 to 252 g: 0.2 mg
4	Linearity	$\pm 0.3$ mg
5	Sensitivity drift (10 °C to 30 °C) $\pm 2$ ppm/°C	$\pm 2$ ppm/°C
6	Weighing pan	90 – 95 mm
7	Display type	LED or backlit LCD is standard. Touchscreen can be a additional
8	Calibration time	Prefer internal (motorized) calibration
9	Stabilisation time	Typically ~2–4 seconds for good models
10	Features	USB and RS232 Connectivity, removable stainless steel pan, Metal Base
11	Warranty Certification	3 years good From accredited labs or industry.

### **3. Western Blotter with power pack**

No	Description
1	<p><b>Blotting System</b></p> <ul style="list-style-type: none"> <li>• Type – Regular, Single</li> <li>• Gel Cassettes - One (16×14cm)</li> <li>• Electrode – Platinum</li> <li>• Power pack - Included</li> </ul>
2	<p><b>Horizontal Gel Systems</b></p> <ul style="list-style-type: none"> <li>• Size (in LBM) - 27.5 x 15.5 x 7 cm</li> <li>• Gel Platforms – 13×13cm (1), 6×6cm (4)</li> <li>• Electrode – Platinum</li> <li>• Well combs – 15 well combs - 1 (1.5mm); 8 well comb – 4 (1.5 mm)</li> <li>• Buffer capacity – 700ml</li> <li>• Power pack (analytical) – Included</li> <li>• Gel chamber High-grade polycarbonate or acrylic</li> </ul>
3	<p><b>Vertical Slab Gel System</b></p> <ul style="list-style-type: none"> <li>• Type – 2D PAGE System - 16×14cm gel</li> <li>• Electrode – Platinum</li> <li>• Glass Tube - 3mm id. 14 cm length (6 no's)</li> <li>• Glass Plates - beveled notched plate and rectangular (3 sets), Borosilicate glass</li> <li>• Spacers – 1mm (6 no's)</li> <li>• Tube Gel Adapter – Included</li> <li>• Power pack – Included</li> </ul> <p><b>Power pack Details</b></p> <ul style="list-style-type: none"> <li>• <b>Voltage Range:</b> 10–500 V DC (adjustable)</li> <li>• <b>Current Output:</b> Up to 400 mA</li> <li>• <b>Power Output:</b> Up to 300 W</li> </ul>

#### 4. BOD INCUBATOR

No	Description
1	<p>BOD (cooling) Incubator</p> <ul style="list-style-type: none"> <li>• Capacity – 170 L</li> <li>• Size - 56 x 43 x84</li> <li>• Chamber – Stainless steel</li> <li>• Digital display – Yes</li> <li>• Temperature range – +5<sup>0</sup>C to +60<sup>0</sup>C</li> </ul> <p>Temperature Uniformity: ±1°C or better throughout the chamber</p> <ul style="list-style-type: none"> <li>• Accuracy - ±5<sup>0</sup>C</li> <li>• Compressor type – CFC free</li> <li>• Full view Perspex Door – Yes</li> <li>• Refrigerant – Yes</li> <li>• Wheel mounted – Yes</li> <li>• Construction – Double-walled with heat insulation</li> <li>• Tray – Removable Type</li> <li>• Rack: Adjustable rack 2-3</li> <li>• Exterior Door – Solid door with locking option</li> <li>• Power Supply – 220 to 230V</li> <li>• Air Circulation – Motor blower/fan</li> <li>• Voltage stabilizer - Yes</li> <li>• Alarm System:Audible/Visible alarm for over-temperature or power failure</li> <li>• Warranty-3 years</li> <li>• Certification</li> </ul>

The tender forms can be downloaded from the Website of the University of Kerala [www.keralauniversity.ac.in](http://www.keralauniversity.ac.in). The cost of tender form and Earnest Money Deposit (EMD) should be submitted as Demand Draft (DD) issued from a Nationalized and Scheduled Commercial Banks, drawn in favour of “The Head of the Department, Department of Zoology, University of Kerala, Karyavattam”, payable at State Bank of India, Karyavattam Branch (IFS Code : SBIN0070043), as described below :

Cost of Tender Form	₹826/- (₹700/-+18%GST)
Earnest Money Deposit(EMD)	₹3500/-

**The cost of tender form will not be refunded and the separate DD towards the cost of the tender form and the EMD**

should be submitted. For more details, please log on to [www.keralauniversity.ac.in](http://www.keralauniversity.ac.in).

**Conditions**

1. The rate quoted should be inclusive of GST(unit rate and GST should be mentioned separately), transportation charges, installation charges and any other charges.
2. Complaints with the items supplied should be rectified/ replaced to the satisfaction of the University by the suppliers at their own cost.
3. **Payment will be made only after the satisfactory installation of the item at our site.**
4. The undersigned reserves the right to reject/accept any quotation without assigning any reason.
5. Compliance Statement should be submitted that includes all parameters as in specification, as detailed in Tender Document.

The sealed tenders along with the tender document, separate DD towards the cost of the tender form and the EMD, Compliance Statement and the technical specification/brochure should be addressed to "The Head, Department of Zoology, University of Kerala, Kariavattom, " superscribing as "Tenders for the supply of Micropipette (4Nos), Analytical Balance (1 Nos), Western Blotter (1 Nos) and BOD INCUBATOR(1 Nos) ".The last date of receipt of tenders is at 4.00 PM on 31.07.2025.

Time and Date of opening tender

01.08.2025 at 11.00 A.M



  
**Head**  
**Department of Zoology**  
**University of Kerala, Kariavattom**  
**Thiruvananthapuram - 695 581**