

# QUOTATION INVITATION NOTICE

Department of Chemistry

University of Kerala  
Kariavattom, Thiruvananthapuram-695581  
Ph. No: 0471 2308682

Last date of submission of Quotation – 04/02/2026

Quotation No: DC/ST/28/EQ/2025-26 dated: 16/01/2026

Competitive sealed quotations are invited from reputed and established manufacturers or authorized dealers for International Inter University Centre for Sensing and Imaging (IIUCSI), Department of Chemistry, University of Kerala, Kariavattom, Thiruvananthapuram-695581 in connection with formulating future activities and functioning of the IIUCSI proposed under the State Plan Grant for the year 2025-26 purchase of 1. **Analytical Balance With Motorized Internal Calibration** 2. **pH meter – 2 No.s** 3. **Floor Model Ultracentrifuge** 4. **Compact tabletop UV inspection cabinet with three ultraviolet lamps** with specifications detailed below Chemistry, University of Kerala, Kariavattom, Thiruvananthapuram-695581.

## 1. ANALYTICAL BALANCE WITH MOTORIZED INTERNAL CALIBRATION

<u>Sl. No.</u>	<u>Description</u>	<u>Specification</u>
1	Capacity	220 Gm
2	Readability	0.1 mg
3	Display	Alpha Numeric Backlit LCD Display
4	Units of Measures	gm, mg, and others
5	Tare Range	Full
6	Operating Temperature:	15°C to 35°C
7	Power supply:	A/C adapter 230V or 115 V/±20% 50-60 Hz
8	Should comply international standards.	-

## 9. Performance

The flawless performance of the equipment has to be demonstrated and certified in accordance with operation qualification, installation qualification and performance qualification.

#### **10. Warranty of the equipment and software:**

A comprehensive warranty of minimum of three years from the date of installation should be provided. During the warranty period, there should be two mandatory service visits per year. On-site service with required spares/consumables shall be ensured during the warranty period.

#### **2. pH meter – 2 Nos**

##### **Technical Specifications**

Sl No.	Description	Specification
1	Type	Microcontroller based
2	Display	LED/LCD/Touch Screen, 3 digits
3	pH Range	0.00 to 14.00
4	Accuracy	± 0.05
5	Power requirements	230 V±10, 50 Hz AC
6	Temperature compensation type	Automatic
7	Temperature Accuracy (Degree C)	±0.3
8	Temperature compensation range	0 to 100 °C
9	Operating temperature	50°C
10	Electrode requirement	3-in-1 Glass Body Refillable Double Junction (ATC integrated)

#### **11. Performance**

The flawless performance of the equipment has to be demonstrated and certified in accordance with operation qualification, installation qualification and performance qualification.

#### **12. Warranty of the equipment and software:**

A comprehensive warranty of minimum of three years from the date of installation should be provided. During the warranty period, there should be two mandatory service visits per year. On-site service with required spares/consumables shall be ensured during the warranty period.

### **3. Floor Model Ultracentrifuge**

#### **Technical Specifications**

<b><u>Sl.No</u></b>	<b><u>Description</u></b>	<b><u>Specification</u></b>
<b>1</b>	Maximum speed	100,000 rpm or more
<b>2</b>	Maximum RCF	8,00,000 or more
<b>3</b>	Speed Control accuracy	±2 rpm of set speed
<b>4</b>	Set Temperature range	0 to 40°C in 1°C increments
<b>5</b>	Temperature Control	± 0.5°C of set temperature
<b>6</b>	Temperature display	Actual rotor temperature in 0.1 °C increments
<b>7</b>	Ambient Operating Range	10 to 35°C or more
<b>8</b>	Acceleration Profiles	10 or more
<b>9</b>	Deceleration Profiles	11 or more
<b>10</b>	Sample imbalance protection	±5 mL

#### **11. Performance**

The flawless performance of the equipment has to be demonstrated and certified in accordance with operation qualification, installation qualification and performance qualification.

#### **12. Warranty of the equipment and software:**

A comprehensive warranty of minimum of three years from the date of installation should be provided. During the warranty period, there should be two mandatory service visits per year. On-site service with required spares/consumables shall be ensured during the warranty period.

### **4. Compact tabletop UV inspection cabinet with three ultraviolet lamps**

#### **Technical Specification:**

<b>Sl.No</b>	<b>Description</b>	<b>Specification</b>
<b>1</b>	<b>3 UV lamps</b>	254nm – shortwave  365nm- long wave  Visible light

2	Capacity	3-5 L
3	Power of lamp	8-15W
4	Lamp Control	Individual "On/Off" toggle switches for each wavelength.
5	Power	230 V AC, 50 Hz single-phase power supply
6	Inner chamber	Stainless steel or other reflective surface for uniform UV distribution.
7	Outer body	powder-coated or polymer-coated enclosure, corrosion-resistant
8	Viewing window	UV-protective glass or acrylic with magnetic door lock and safety interlock that switches off lamps when the door opens
9	Top surface	stainless steel or PTFE-coated plate

#### **10. Performance**

The flawless performance of the equipment has to be demonstrated and certified in accordance with operation qualification, installation qualification and performance qualification.

#### **11. Warranty of the equipment and software:**

A comprehensive warranty of minimum of three years from the date of installation should be provided. During the warranty period, there should be two mandatory service visits per year. On-site service with required spares/consumables shall be ensured during the warranty period.

#### **Schedule of Equipment**

Sl. No.	Equipment	Qty	Total rate (%)	GST amount	Total amount(Total rate +GST)
1	<b>Analytical Balance With Motorized Internal Calibration</b>	1 No			

2	<b>pH meter</b>	2 No.s			
3	<b>Floor Model Ultracentrifuge</b>	1 No.			
4	<b>Compact tabletop UV inspection cabinet with three ultraviolet lamps</b>	1 No.			

**Terms and Conditions:**

1. Quotes should be inclusive of cost, freight, taxes etc. and should be delivered at the Department of Chemistry, University of Kerala, Kariavattom
2. Incomplete & conditional quotations and quotations received after the due date will be summarily rejected without assigning any reasons thereof.
3. The undersigned reserves the right to reject or accept the quotation without assigning any reason.

**4. Installation:** The items shall be installed at Department of Chemistry, University of Kerala, Kariavattom Campus. All incidental expenses should be borne by the supplier.

**5. Payment:** The University will release the payment only after inspecting the equipment and satisfy that the supply is as per the requirements. The payment will be made after successful completion of the supply and producing invoice in triplicate.

6. General rules relating to the purchase of materials/equipment will also applicable to this quotation.

7. Those who are interested should send their quotation in a sealed cover superscribed with "Quotation for Ref. No: (.....)and addressed to **The Head, Department of Chemistry, University of Kerala, Kariavattom Campus, 695581, Thiruvananthapuram, Kerala, on or before 04/02/2026.**

**8. Quotation Invitation Notice with duly filled Schedule of Equipment with sign and seal of the firm should be attached to the quotation.**

**9. The compliance statement should be submitted that includes all parameters in specification.**

**Sd/-**  
Assistant Professor & Head

