

QUOTATION NOTICE

Outward Ref. No. SUK/CHE/28

Date: 07.08.2025

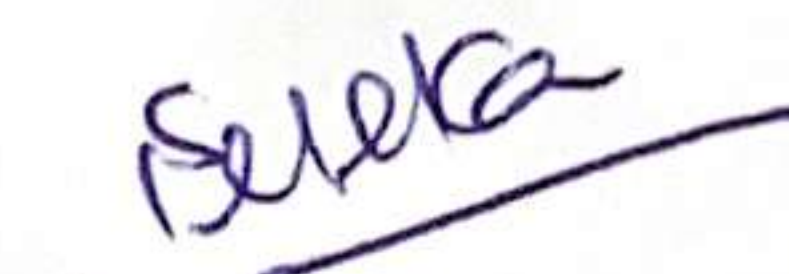
Sealed quotations are invited for the supply of consumable items as per the technical specifications and terms & conditions outlined below. The quotation should reach the undersigned within five (05) working days from the date of publication of this notice.

S.N.	Technical specifications	Qty.
1.	<p>The cell (In-situ electrochemical characterization cell) should consist of working electrode chamber and a counter electrode chamber. The two chambers are separated by ion-exchange membranes, and stainless steel clips and Teflon clips are used for rapid membrane change. The reactor should be gas-tight, having two separate chambers, each equipped with a gas inlet and outlet. This allows bubbling the solution and evacuating gases. The electrochemical cell can be quickly assembled and disassembled. The lower glass tank body can also be customized into a double-jacketed glass type according to the temperature control requirements.</p> <p>The cell includes the following consumables PTFE lid (02): thickness 10 mm, diameter 55 mm, chamber with volume of (100 mL), height 60 mm. This cylindrical vessel, composed of high-quality quartz window, Stainless steel clip, electrode hole sealing screw, PE stoppers, electrode sealing ring, gas hole sealing screw, gas pipe, salt bridge, glass filter aeration pipe, PTFE tube, Silicone gasket, rubber O-ring (Inner Diameter 10 mm and outer diameter 20mm), Lifting System, Rotating System, Stirring System, reservoirs with three-electrode set-up, Quartz window replaceable ion-exchange membrane. Exposure area: 1 cm² to 4.155 cm², electrode plug diameter: 6 mm, Distance between working and reference electrode: 20 mm; Gas inlet/outlet diameter: 3 mm; distance between two chambers 40 mm.</p>	01

Terms & Conditions

1. Rates: Quoted prices must be inclusive of all applicable taxes and delivery charges.
2. Invoice: The bill should be submitted in duplicate along with an advance stamped receipt.
3. Payment:
 - a) Payment will be made after successful delivery and inspection of the material.
 - b) Statutory deductions will be applied as per government norms.
4. Right to Reject: The university reserves the right to accept or reject any or all quotations without assigning reasons.
5. Submission: Quotations must be submitted in a sealed envelope, clearly labeled with the item name, before the deadline.
6. Material Condition: Supplied materials must be clean, contamination-free, and accompanied by relevant technical datasheets or product certificates.
7. Quotation Details: The quotation must clearly mention product specifications, unit pricing, delivery time, and warranty/return policy.
8. Each quotation must be submitted in the form of TWO separate sealed envelopes: one containing the Technical Bid documents and the other containing the Financial Bid document.




Professor,

Department of Chemistry

Shivaji University, Kolhapur-416004


 07/08/2025

Professor & Head

Department of Chemistry

Shivaji University, Kolhapur-416 004

QUOTATION NOTICE

Date: 07.08.2025

Outward Ref. No. SUK/CHF/29

Sealed quotations are invited for the supply of consumable items as per the technical specifications and terms & conditions outlined below. The quotation should reach the undersigned within seven (07) days from the date of publication of this notice.

S.N.	Technical specifications	Qty.
1.	Ion-exchange membrane with the following specifications: <ul style="list-style-type: none"> • Type: Perfluorosulfonic acid (PFSA) based ion-exchange membrane (e.g., Nafion) • Thickness: 20 μm ($\pm 5\%$) • Dimensions: 15 cm \times 15 cm (Length \times Width) • Functional Requirements: <ul style="list-style-type: none"> ○ High ionic conductivity and ion selectivity, particularly for proton exchange ○ Excellent chemical resistance and mechanical stability ○ High durability under electrochemical conditions, including neutral and strongly acidic electrolytes ○ Proven performance in electrochemical and catalytic applications, such as water splitting, fuel cells, or CO₂ reduction systems 	04
2.	Woven conductive carbon cloth (high-purity carbon fiber cloth) <ul style="list-style-type: none"> • Thickness: 0.30 mm ($\pm 10\%$) • Sheet Resistance: $\leq 1.5 \text{ m}\Omega \cdot \text{cm}^2$ (measured under standard test conditions) • Dimensions: 10 cm \times 10 cm (L \times W) • Functional Requirements: <ul style="list-style-type: none"> • Excellent electrical conductivity and mechanical flexibility • Chemically stable and corrosion-resistant under acidic and neutral electrolyte environments • Suitable for use as a current collector or substrate • Uniform surface texture to ensure consistent coating deposition 	04

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(Signature)

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