



राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान

(संसद के अधिनियम के अधीन स्थापित राष्ट्रीय महत्व का एक संस्थान)

जायस ,अमेठी, उत्तर प्रदेश, भारत-229304

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY

(An Institution of National Importance Established under an Act of Parliament)

Jais, Amethi - 229304, Uttar Pradesh, India

QUOTATION ENQUIRY

Ref. No.: RGIPT/Jais/R&D/CHEM/P-2218/2024-25/KM/Q-01

Dated: 23.04.2024

Last Date and time for the quote: 29.07.2024 till 11:00 hours in the Office of the Department of Chemical and Biochemical Engineering, 5th Floor, AB-2, RGIPT, Jais, UP-229304.

Dear Sir(s),

Please submit your lowest quotation for supplying the under mentioned item. Quotation in duplicate must reach us before the date marked above and should contain the following information:

1. Clearly mention the date of validity of offer.
2. **Kindly clearly mention your E-mail ID and Mobile number.**
3. Kindly mention appropriate GST % as applicable for supplying of Goods & Services to educational institution.
4. Please mention your GST registration number and PAN in the quotation.
5. Conditions of supply and terms of payment shall be clearly mentioned in the quotation.

Quotation must be sent in **sealed envelope** with word **"QUOTATION for Cell (CO₂ electrolyzer)"** and addressed to Office of the Department of Chemical and Biochemical Engineering, 5th Floor, AB-2, RGIPT, Jais- 229304 (UP). Our reference number and last date as given above should be clearly marked over it.

Details of the item are as follows:

Item Name: **Cell (CO₂ electrolyzer).**

Quantity: 01 Nos.

Specifications

Cell specifications:

- End Plates MOC:- SS316L (15cm ×15 cm ×5mm) with 6mm OD holes (4 or 8 nos.) for fastening, Qty = 2 Nos.
- Teflon sheet (15cm ×15 cm ×5mm) with square cavity at the center to hold the channel plates and current collector. It should have 6mm diameter holes (4 or 8 nos.) for fastening, Qty = 2 Nos.
- Cu current collector sheets (7cm × 7cm × 1 mm thick+ extended area of 5cm × 1cm × 2mm for connections. The ohmic resistance of the plate should be less than 0.5 ohms.
- Channel plates set of two plates with serpentine gas flow channels at the center on one side only with channel dimension of (0.5 mm depth × 0.5 mm width). The length of the channel area should be 2.5 cm × 2.5 cm. The width of the rib should be 0.5mm. Suitable gas inlet and outlet connections (2 mm OD) should be provided connected with serpentine flow channels internally on the LHS and RHS. Threaded and gas leak-proof high-grade Teflon made to with stand 2.5 bar pressure.
- First set of channel plates MOC: Cu (7cm ×7 cm ×1 cm)
- Second set of channel plates MOC: High conductivity graphite (7cm ×7 cm ×1.5 cm)

Handwritten signature/initials

