

INDIAN INSTITUTE OF TECHNOLOGY GOA

At Goa Engineering College Campus

Farmagudi, Ponda, Goa 403401

E-mail: purchase@iitgoa.ac.in

Enquiry No: IITGOA/2018-19/044

Date: 19/12/2018

IIT Goa invites sealed quotations in two bid format for the supply of below mentioned items;

Sl. No.	Description of Items	Qty
1	Plasma Cleaner (Detailed specifications attached)	02 Nos.

Terms and conditions:

1. Quotation must be valid for at least 90 days.
2. The GSTIN should invariably be mentioned in your offer.
3. Kindly attach a compliance certificate along with the technical quote.
4. Supplier should provide free delivery and installation at IIT Goa.
5. Supplier should provide five-years warranty for the above stated item.
6. Prices should be quoted in Indian Rupees inclusive of any shipping/transportation charges.
7. Delivery and installation must be made within 4 weeks of getting a confirmed order.
8. Payment: Within 30 days after the delivery and successful installation.
9. The suppliers shall provide the banking details along with their quote on their letterhead duly signed and stamped.
10. IIT Goa reserves the right to accept and/or reject any/all bids without assigning any reason.
11. For any clarification, you may kindly contact Dr. Arindam Das (e-mail: arindam@iitgoa.ac.in) and Stores & Purchase Department (email: purchase@iitgoa.ac.in) till 28/12/2018.
12. Quotations shall be submitted in two parts;
 - 1) **Part – I (Technical)** should contain all the technical details and specification of the product. It should contain unpriced bid along with terms and conditions, compliance certificates, Proprietary certificates (if applicable), other certificates etc. This envelope should be marked as “Technical Bid”
 - 2) **Part -II (Financial)** The financial bid of the above item should be in a sealed envelope marked as “Financial Bid” and should contain financial terms and conditions.
- 13) All sealed quotations must reach to the Assistant Registrar (Stores & Purchase), IIT Goa, at Goa College of Engineering Campus, Farmagudi, Ponda - Goa by 17:00 Hrs on or before 09th January, 2019.

Sd/-

Asst. Registrar (S&P)

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Center of Excellence in Particulates, Colloids and Interfaces

Indian Institute of Technology Goa

GEC Campus, Farmagudi

Goa 403401

Technical Specifications of Plasma cleaner

The Plasma cleaner should have following technical Specifications

- 1) It should be suitable for etching organic thin film as well as for surface cleaning and modification.
- 2) It should be adjustable radio frequency (RF) power unit between low, medium and high.
- 3) The maximum RF power should not be less than 45 W.
- 4) It should include active fan cooling.
- 5) It should include the Pyrex chamber of dimension not less than 15 cm diameter and 16 cm length.
- 6) It should include hinged door with viewing window and integral switch for a vacuum pump.
- 7) The metering valve should be able to qualitatively control the gas flow and chamber pressure; it should have 1/8th inch national pipe thread (NPT).
- 8) A 1/8th inch NPT 3-way valve should be there for quick in bleeding of gas, isolating the chamber and ventilating.
- 9) It should include the dual gas feeds of gas mixing and independent control of process gases and dual process gas flow meter.
- 10) Gas flow mixer control unit should have vacuum gauge and digital meter.
- 11) It should include a oxygen compatible vacuum pump with a minimum pump speed of 6 m³/hr and ultimate total pressure (closed) of 15m Torr or less.
- 12) The dry (oil free) vacuum pump should able to pump **oxygen**, air, nitrogen and argon.
- 13) Pump should include inlet hose, hose clamps, hose adaptor, centering ring and swing clamp to connect plasma cleaner to pump inlet.
- 14) Pump outlet connection must be there to transfer pump exhaust to a vent hood with at least 6 ft length exhaust hose.
- 15) The display in all parts should be digital not mechanical.
- 16) Free installation including demo of handling and safety precautions.
- 17) Must provide a user manual.
- 18) Should have user-friendly menu.
- 19) 5 Years comprehensive warranty. In case warranty is less than 5 years, AMC must be quoted after warranty period is over.

- 20) Bidders must ensure supply of spare parts till minimum of 5 years after warranty period.
- 21) Additional features/accessories if any that can potentially increase the productivity and safety of the instrument should be quoted as optional items.

Miscellaneous:

- 1) Quoted brand and model must have global presence among globally reputed research labs and academic institutes and industry R&D labs across the globe.
- 2) Bidder should supply the complete list of users from national labs and IITS/IISER from India. User list should be only for the quoted model.
- 3) User list from globally reputed foreign academic institute should be also provided.
- 4) All optional accessories compatible with the quoted model must be quoted separately.
- 5) After Sale, Service should be available promptly. Round the clock technical help must be provided to the users.