

# INDIAN INSTITUTE OF TECHNOLOGY GOA

At Goa Engineering College Campus

Farmagudi, Ponda, Goa 403401

E-mail: [purchase@iitgoa.ac.in](mailto:purchase@iitgoa.ac.in)

**Enquiry No: IITGOA/2018-19/041**

**Date: 12/12/2018**

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

Sl. No.	Description of Items	Qty
1	<b>Precision Dip Coater</b> (Detailed specifications attached)	01 No.

## 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 three-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](mailto:arindam@iitgoa.ac.in)) and Stores & Purchase Department (email: [purchase@iitgoa.ac.in](mailto:purchase@iitgoa.ac.in)) till 24/12/2018.
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 03<sup>rd</sup> January, 2019.

Sd/-

Asst. Registrar (S&P)

## Technical Specification of Precision Dip Coater

### The Dip Coater should have following technical Specifications

1. Minimum Dipping speed must be 0.1mm/min or less
2. Maximum Dipping speed must be 100 mm/min or more.
3. Instrument should be capable of coating small samples up to 100 gm or more, height 10mm or less to 50 mm or more, width 5mm or less to 50 mm or more, thickness 5mm or less.
4. Dipping process must be fully automated and computer controlled.
5. Coating quality and thickness can be adjusted with different process parameters. These parameters must be modified through window based software which can be installed in laptop or PC.
6. Control software must have the provision of changing velocity, position, waiting time and sequence with real time display of displacement, speed etc.
7. Device should have multiple vessels to facilitate coating/cleaning/flushing of single sample in multiple liquids (minimum 8) using preprogrammed sequence.
8. Substrates of various materials, size and shape can be used with the instrument.
9. Computer-based, fully programmable dipping sequences should have repeatable results and must be independent of the user.
10. Immersion and withdrawal should be vibration free for precise and uniform coatings.
11. Accessories like temperature-controlled vessels (-10°C or less to 100°C or more), active vibration isolation system (25dB or more), horizontal deposition clamp, single and multiple sample clips, temperature probe, pH probe, magnetic stirrer and protection cabinet (from external wind, particulates) **must be compatible** with the quoted model. These accessories must be quoted separately along with all other compatible accessories.
12. The model should have proven potential indicated by high quality academic publications and industrial customers.
13. Bidders must have supplied identical equipments to other IISERs/IITs/Central Universities etc. in the last three years. Purchase order has to be submitted as an evidence of supply. The bidders also have to submit certificates from the Institute authorities showing successful functioning of the identical equipments supplied to them for the last two years.
14. List of users (of quoted model only) from IITs, IISc and other top national technical institutes must be provided along with their contact details.
15. Minimum 3 year warranty is required.

*Atindran Das*

16. Must provide a user manual.
17. Should have user-friendly menu
18. **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 academic institutes from India. User list should be only for the quoted model.
3. All optional accessories compatible with the quoted model must be quoted separately.
4. After Sale, Service should be available promptly. Round the clock technical help must be provided to the users.

*Abin Das*