

# 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/2018-19/057**

**Date: 01/01/2019**

IIT Goa invites sealed quotations in two bid format for the supply of below mentioned item.

Sl. No.	Description of Item	Qty
1	Spin Coater System (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. Prices should be quoted in Indian Rupees inclusive of taxes and any shipping charges.
5. Delivery and installation should be made within 4 weeks of getting a confirmed order.
6. Payment: Within 30 days after the delivery and installation of the item at IIT GOA.
7. The suppliers shall provide the banking details along with their quote on their letterhead duly signed and stamped.
8. IIT Goa reserves the right to accept and/or reject any/all bids without assigning any reason.
9. 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), any other certificates/details 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.
10. For any clarification, you may kindly contact Dr. Bidhan Pramanick (e-mail: [bidhan@iitgoa.ac.in](mailto:bidhan@iitgoa.ac.in)) and Stores & Purchase Department (email: [purchase@iitgoa.ac.in](mailto:purchase@iitgoa.ac.in)) till 11/01/2019.
11. 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 22<sup>nd</sup> January, 2019”.

Sd/-

Asst. Registrar (S&P)

## Technical specifications of spinner

S. No.	Technical Specifications
1.	Type: Table Top and stable even at its highest speed.
2.	Wafer/substrate type and size: It should have capability to spin and coat wafer of size of maximum of 6 inch wafer or 4"x4" substrate.
3.	Substrate Holder: Vacuum chuck
4.	Process bowl: Made of polypropylene/ Teflon. There will be provision for removal of bowl and liner for easy cleaning.
5.	Bowl cover: Made of safety glass for chemical resistance. Interlock safety to stop rotation of chuck when bowl cover is opened.
6.	Spin speed: Minimum 50 rpm or less and maximum 8,000 rpm or more.
7.	Spin speed resolution: less than or equal to 1 rpm
8.	Spin speed acceleration: Up to 4,000 rpm/sec or more
9.	Spinning Time: 1-999 Seconds with 1-second resolution of step time
10.	Control display panel: Inbuilt Touch screen with color display and graphical user interface.
11.	Number of recipes and program steps: 200 user-defined recipes and at least 35 program/process steps.
12.	Programmability: speed, acceleration and recipe (control time) will be programmed for varieties of applications.
13.	Digital vacuum gauge for vacuum monitoring.
14.	Dispensing: Manual
15.	The generation of vacuum may be based on compressed air and venturi nozzle. If so, there should be a provision of vacuum pump in case CDA is not available
16.	Vacuum Chucks: dedicated chucks for mounting wafer of sizes 2" with centering pins to place the wafer /substrate in center and no arrangement of aligning /placing different wafers on single chuck. While for 12mm, 16mm and 20mm without centering pins is acceptable
17.	The exhaust and drain ports will be separate so that resist will not clog the exhaust tube
18.	Safety mechanism will ensure that there will not be any resist penetration in the motor resulting in jamming and malfunctioning So there should be a resist trap system attached to motor. Safety for chuck rotation during absence of vacuum on chucks so as to avoid breakage of wafers.
19.	5-6 bar of compressed air/Nitrogen pressure should be able to create necessary vacuum for holding 100 mm square wafer at high speed.
20.	Warranty: 1 year, quote separately AMC for 2 additional years.