राष्ट्रीय प्रोद्यो गिकी संस्थान दुर्गापुर
National Institute of Technology Durgapur
Mahatma Gandhi Avenue, Durgapur-713209
West Bengal, India

Tender- Notice

Enquiry no: NITD/SRG/2020/Notice/1 **Date: 29/09/2020**

(against Project no: NITD/SRCC/SR/ECE/2019/36)

All the concerned venders/suppliers are requested to submit a competitive quotation (Limited Tendering) for the supply of following instrument as per specification given below

SI. No.	Brief Description of the Items	Minimum Specification
01.	Spin Coater System for thin film coating	Details are given in the attachments (Annexure 1)

General Terms and Conditions:

1) All duties, taxes and other levies payable by the bidder shall be included in the total price for instrument along with free delivery charges.
2) The rates quoted by the bidder shall be fixed for the duration of the contract.
3) The bidding price must be quoted in Indian Rupees.
4) Quotation should remain valid for 30 days from date of quotation submission.
5) All other terms and conditions will be followed as per GFR 2017 and NIT Durgapur purchase rules. Settlement of any dispute will be made under the jurisdiction of Honourable Durgapur Court.
6) Delivery to be made at department of Electronics and Communication Engineering, NIT Durgapur.
7) Terms and conditions of warranty, if applicable must be documented clearly
8) Payment details must be stated clearly.
9) Delivery should be made with in 5 weeks from the acceptance of purchase order.
10) Installation, Commissioning and demonstration will be performed within 15 days of delivery of the items. Installation, Commissioning and demonstration must be delivered at the day of installation.
11) Payment shall be made immediately with in 60 days after satisfactory installation. Payment will be released only after receiving the installation and demonstration certificates.
12) Comprehensive onsite warranty shall be applicable to the supplied goods for a period of 12 month from date of installation. Terms and condition of warranty, if applicable, must be documented clearly.
13) The purchase will be awarded the contract to the bidder whose quotation has been determine to be substantially response in terms of technical specifications for and who has offered the lowest quotation price.
14) The institute is exempted from payment of the custom and excise duty on the item mentioned below: Scientific and technical instruments, apparatus, equipment's, accessories, spare parts and consumables.
15) The required documents such as "custom duty exception certificate" and "Declaration of GST concession" will be provided to the successful bidder at the time of purchase order.

The related quotation is to be submitted by email at sapana.ranwa@ece.nitdgp.ac.in within one week from date of notification along with enquiry number and reference number as given in this notice. The quotation must be addressed to **Dr. Sapana Ranwa, PI- SRG project, Department of Electronics and Communication engineering, NIT Durgapur, M.G. Avenue, Durgapur-713209, West Bengal, India.**

With the approval of competent authority.

Sapana

(Dr. Sapana Ranwa)
PI, SRG Project

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TECHNICAL SPECIFICATIONS:

Annexure I

Spin Coater

SI. No.	Specification	Detailed Description
	Spin Coater system	
01.	Spin Coater System (microcontroller control Programmable system) – quantity 1	1. Precision controlling through micro controller. 2. Motor Brushless: DC 3. Speed range : 50 RPM to 12,000 RPM. 4. Acceleration 0.05-12000 rpm/sec (Max) 5. 30 Preset Editable Programs, 50 Steps (Max) per program 6. Accuracy : < ±1% error across the full range 7. Real -time Graphical Display of RPM, timings and Program status on LCD console 8. Non-Volatile Programme memory 9. input and control option : Key-pad 10. PTFE Coated Circular SS Working chamber :Diameter: 200mm 11. Substrate holder : preferable 1" to 2" 12. Power Supply : 230 V/AC, 50 Hz 13. User- friendly Firmware interface With calibration option 14. Lid Protection Switch 15. Vacuum Release Switch 16. Working Chamber Illumination 17. Integrated Lid Interlock 18. Spill drainage facility 19. Nitrogen Gas purging Port 20. Transparent Lid over working chamber 21. Instruments dimension : accommodated on tabletop 22. **Oil Free Diaphragm Vacuum Pump to Hold Substrates:** (220-230 V/ 50-60Hz, ~200W, maximum current 1A, Maximum vacuum ~ 30 Torr,Motor: 1/4 HP,4 pole)