



भौतिकी संस्थान
भुवनेश्वर

Institute of Physics

Bhubaneswar - 751005, India

(परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वायत्त अनुसंधान संस्थान)

(An autonomous research institution of Dept. of Atomic Energy, Govt. of India)

QUOTATION CALL NOTICE

Ref No. IOP/PUR/LAB/INSPIRE/2024-25/03	Rate quotation for:
Date: 01.01.2025	Automatic Spin Coating System

To,

Dear Sirs,

Sealed quotation is invited for Supply, Installation, Testing and commissioning of Automatic Spin Coating System as per following specifications, terms and conditions:

Sl. No.	Description / Specification	Unit	Quantity
1	Automatic Spin Coating System As per attached Specification	No	1 (one)

Terms & Conditions:

1. Intending supplier should be a registered dealer having GST No.
2. Quotation is to be submitted in sealed envelope with superscription "Rate Quotation for supply and installation of Automatic Spin Coating System", and addressed to the Registrar, Institute of Physics, P:O: Sainik School, Bhubaneswar – 751 005.
3. The quotation should reach us within fifteen days from the date of issue of this letter along with copy of the GST Registration Certificate and authorization from OEM.
4. Rate quoted should be valid for at least a period of sixty days from the date of submission of the quotation.
5. The Items must be warranted against any functional defects.
6. Three years of comprehensive on-site warranty for all parts of the entire system including accessories supplied with the instruments along with at least two preventive maintenance visits per year. If the system breakdowns or not functioning during the warranty period, the warranty period will be extended for the breakdown period after the expiry of the initial warranty.

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डा.घ.-सैनिक स्कूल, भुवनेश्वर - 751 005, भारत

P.O. : SAINIK SCHOOL, BHUBANESWAR - 751005, INDIA

दूरभाष / Phone : 0674 - 2300637, 2301058, 2301823, फैक्स / Fax : 0674-2300142, वेब/ Web : http://www.iopb.res.in

हमेशा हिंदी में पत्र व्यवहार करके देश का गौरव बढ़ाएं

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7. Warranty will commence from the date of successful installation, demonstration, training and commissioning. After successful installation and commissioning, onsite training on the instruments and software to be provided by the highly trained persons.
8. Pre-installation requirement must be mentioned during the submission of quotation.
9. Service response from the vendors must be 72 hrs.
10. The Same quoted model system should have been installed in many CSIR/DST/DBT/DAE labs/Universities, IITs, and IISER in India (At least three). Therefore, Purchase order copies of quoted model must have to be provided by the vendor. Modifications/Customization (if any) in the base system must be well proven and certified by documents.
11. Technical Brochure of the instrument has to be submitted with quotation. The detailed manuals of user instructions, operations, troubleshooting, maintenance and services has to be submitted with delivery. List of complete safety regulations should be specified. Make and Model of the quoted system must be clearly mentioned in the quotation and that should also be mentioned in the company website for verification.
12. Price quoted should be FOR destination at IOP site basis.
13. GST TDS will be deducted as per Govt. of India Notification.
14. 100% payment will be made on supply and installation of the items in satisfactory conditions and against submission of bill/invoice in duplicate.
15. Our GSTN No. is 21AAAAI4805N1ZU.

Yours faithfully,

REGISTRAR

Daksh

TECHNICAL SPECIFICATION

<u>Spin Coating System</u>
Programmable Speed Range: Min-50 R.P.M. Max \geq 12,000 R.P.M. [based on a Glass Substrate of Dimension approx. 38 mm (L) X 25 mm (W) & Thickness 1 mm (H)]
Programmable Acceleration: 40-6,000 R.P.M./sec or better. [based on a Glass Substrate of Dimension 38 mm (L) X 25 mm (W) & Thickness 1 mm (H)]
< \pm 1% Error across the Full Speed Range
Programmable Controlling Duration: 1-9,999 sec./step
30 Preset Editable Programs or better
50 Editable Steps/Program or better
Micro-controller Controlled
PC Connectivity through USB 2.0 [for PC Mode]
Warm-up Option
Calibration Option
Spill-drainage Facility
High-speed DC Motor
Non-volatile Program Memory
User-friendly Firmware Interface
N ₂ & other Inert Gas Purging Port
Input & Controlling through Key-pad
PTFE coated Working Chamber of 10" Diameter
Integrated Power On/Off Switch with Indicator
Integrated Lid Protection Switch with On/Off Indicator
Integrated Mechanical Lid Inter-lock with Lid-open Sensor
Integrated Vacuum Release Switch with On/Off Indicator
Transparent Photo-resist Safety Lid over the Working Chamber
In-situ Sample Dispensing Port on the Transparent Photo-resist Safety Lid
Real-time Display of R.P.M., Timing & Program Status on 7" Touch Screen
Real-time Display of R.P.M. during Warm-up & Calibration on 7" Touch Screen
Real-time Display of R.P.M. vs. Timing Graph during Program Run-time on 7" Touch Screen
Power Input: Universal

Oil-free Vacuum Pump

Technical Specification:

<input type="checkbox"/>	Power Input: Indigenous Standard
<input type="checkbox"/>	Power: 80 W [Maximum]
<input type="checkbox"/>	Vacuum: -735 mm/Hg. [Maximum]
<input type="checkbox"/>	Flow Rate: 6-20 l/min or better.
<input type="checkbox"/>	Motor Rotation: 1,450 R.P.M or better.
<input type="checkbox"/>	Capacitance: 3 μ f 450 V
<input type="checkbox"/>	Horse Power: 1/8 HP
<input type="checkbox"/>	Net Weight: 5.2 kg
<input type="checkbox"/>	Port Thread: 0.3125"
<input type="checkbox"/>	Noise Level: 52 dB
<input type="checkbox"/>	Current: 0.4 A [Maximum]
<input type="checkbox"/>	Moisture Trap available
<input type="checkbox"/>	Vacuum Regulator available
<input type="checkbox"/>	Overflow Protection available
<input type="checkbox"/>	Dimension: 310 mm (L) X 135 mm (W) X 204 mm (H)

Warranty: Three years of comprehensive on-site warranty for all parts of the entire system including accessories supplied with the instruments along with at least two preventive maintenance visits per year. If the system breakdowns or not functioning during the warranty period, the warranty period will be extended for the breakdown period after the expiry of the initial warranty. Warranty will commence from the date of successful installation, demonstration, training and commissioning. Service response from the vendors must be within 72 hrs. After successful installation and demonstration, onsite training on the instruments and software to be provided by the highly trained persons. Final quoted price must include Delivery, Installation, commissioning and training of the whole system, packing forwarding Included.

Delivery: 30 days from receipt of purchase order. - Factory Inspection (online/offline) before dispatch at the factory must be done before delivery.

Pre-installation requirements must be mentioned during the submission of quotation.

Large customer base in India. The same quoted model system should have been installed in many CSIR/DST/DBT/DAE labs/Universities, IITS, and IISER in India. (At least 3) Therefore, previous purchase order copies of quoted model must have to be provided by the vendors. Modifications/customizations (if any) in the base system must be well proven and certified by documents.

Technical Brochure of the spin coating system has to be submitted with technical bid. The detailed manuals of user instructions, operations, troubleshooting, maintenance and services has to be submitted with delivery. List of complete safety regulations should be specified. Make and Model of the quoted equipment must be clearly mentioned in the quotation and that should also be mentioned in the company website for verifications.