

रामन अनुसंधान संस्थान
RAMAN RESEARCH INSTITUTE
सी.वी. रामन अवेन्यू, सदाशिवनगर
C.V. Raman Avenue, Sadashivanagar
बेंगलूरु/ Bengaluru – 560080



प्रोग्रामेबल स्पिन कोटर प्रणाली की आपूर्ति, स्थापना
परीक्षण और कमीशनिंग के लिए निविदा

**Tender for Supply, Installation, Testing & Commissioning of
Programmable Spin Coater System**

REF No: NIT-PR-232023-2024-2025

निविदा प्रलेख

TENDER DOCUMENT

2024 – 2025

18.12.2024



THE DUE DATE FOR SUBMISSION OF QUOTATION : 06.01.2025

The Raman Research Institute invites sealed Tenders for **Supply, Installation, Testing & Commissioning of Programmable Spin Coater System** directly from the manufacturers or their authorized agents, adhering to the specification, terms and conditions given below:

Technical Specification:

Supply, Installation, Testing & Commissioning of Programmable Spin Coater System			
Sl. No.	PRODUCT SPECIFICATIONS	QTY	Compliance (Y/N)
1	Programmable Spin Coater System with 220V, 50Hz as line input 01. A Programmable Spin Coater system is required for uniform thin film coating. The system must be table top and must be compatible with a clean room of class 1000 or better. 02. The system must be microprocessor-controlled. User-friendly keypad interface for programming the recipes storage. PC controllable with PC interface software included. Must include integrated pneumatic vacuum generator. 03. Process Chamber must be of minimum 200mm diameter. 04. Chemical resistant lid cover with central opening for dispensing sample. 05. System must have the capability of storing 20 recipes each containing upto 50 steps. 06. Speed must be up to 12,000 RPM with +/-1 RPM ramp. Supports Bi-directional rotation. High Performance drive with lifetime warranty. 07. Acceleration: Up to 10,000 RPM or higher. 08. Spin Time: 1 seconds to 99 minutes in 0.1 second increment. Certificates must be provided along with the system. 09. Spin coater system must have Solid Natural Polypropylene build housing with interlocking clamshell plenum and not just corrosion resistant COATED chamber. 10. The system should be capable to accommodate wafer/substrate up to 150 mm dia or 125x125 mm square substrates. 11. Suitable Chucks should be provided along with basic spin coater. 12. System must have Safety door interlock (disallows rotation when door is open). 13. System should have provision for seal purging for safety of equipment. 14. Brochure must be attached supporting technical compliances. 15. Should include following extra accessories: 1. Chuck adapter for 25mm square substrate 2. Microscope slide adapter chucks 3. Syringe adapter for easy dispense 4. Reusable process chamber FEP liners 16. Extensive operational training to be given post installation.	01 No.	



GENERIC:

1. The Institute is eligible to issue Central Excise Duty Exemption Certificate or Customs Duty Concession Certificate. The Institute is not eligible to issue State Goods and Service Tax/ Central Goods and Service Tax Concession Certificate.
2. The Institute reserves the right to modify the technical specification or the required quantity at any time but within one week before the due date.
3. The Institute reserves the right to reject any or all of the bids received without assigning any reason. It also reserves the right to accept an offer other than the lowest.
4. The Institute reserves the right to postpone/extend the due date for submission of the bid without assigning any reason.
5. The Institute reserves the right to call potential suppliers for technical discussions and product demonstrations.
6. Any Technical clarification required towards submission of offer may please be mailed to purchase@rri.res.in

ELIGIBILITY CRITERIA:

1. **Experience Criteria:** The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for **3 years** before the bid opening date. A proof should be attached.

Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

2. **Manufacturer Authorization Form (MAF):** Bidder should be Original Equipment Manufacturer (OEM). In case of an authorized agent/partner/distributor service provider having direct purchase and support agreement with OEM and/or submitting the bid on behalf of OEM, should submit a valid MAF/Certificate from OEM/ or Original Service provider to that effect.
3. Details with contact information and telephone numbers for service support of the products should be provided. Escalation matrix with contact information and telephone numbers should also be provided.
4. The bidder must NOT be blacklisted by Central Government, State Government or any Organization in India. A certificate or undertaking to this effect must be submitted.
5. The bidder should NOT be under liquidation, court receivership or similar proceedings, should NOT be bankrupt. Bidder to upload undertaking to this effect with bid.



6. I) As per the Government of India, Ministry of Commerce and Industry and Department for Promotion of Industry and Internal Trade (Public Procurement Section) Order No. P-45021/2/2017-PP (BE-II) dated 04 June 2020
- a) The Bidder shall produce a certificate whether he/she belong to “Class – I’ and ‘Class – II supplier’ and ‘Non – Local suppliers’ with percentage of local content.
 - b) Class – I’ and ‘Class – II supplier’ and Non – Local suppliers as classified under above mentioned Order are eligible to submit the offer. While finalizing the quotation, the instructions given in the above order shall prevail.
- II) As per the Government of India, Ministry of Finance and Department of Expenditure, Public Procurement Division – Office Memorandum No. F.No.6/18/2019-PPD dated 23.07.2020, the Institute reserves the right by order in writing, impose restrictions, including prior registration and/or screening, on procurement from bidders from a country or countries, or a class of countries, on grounds of Defense of India, or matters directly or indirectly related thereto including national security; no procurement shall be made in violation of such restrictions.

EVALUATION OF BIDS:

- 1. The bids should be complete in all respects and the details specified in this request should be adhered to and **submitted on or before bid end date: 06.01.2025.**
- 2. Bids should be valid for **180** days from bid end date or any extension to it.
- 3. The quoted price should include P&F and Freight Charges, Insurance, Loading & Unloading Charges etc.
- 4. The bids conforming to the eligibility criteria only will be considered for further evaluation.
- 5. The bids will be shortlisted on the basis of technical parameters, features, standards compliance of all materials and equipment used, etc.
- 6. For Technical evaluation, bidders have to ensure the availability of appropriate expert, along with every type of documentation from their organization for interacting with the Institute
- 7. The Financial Bids will be opened only of those technical bids found suitable and approved by our Technical Evaluation Committee.



Terms & Conditions:

1. The bid shall be divided into two parts:
 - I) The first part should be “Technical” Bid containing only detailed specifications for tendered: **Supply, Installation, Testing & Commissioning of Programmable Spin coater System and EMD for Rs. 40,000/-**. The details include:
 - a) Detailed literature including Data Sheets of quoted products.
 - b) Supporting Documents eligibility criteria such as MSME, OEM authorization letter, Experience certificate. etc
 - c) **The first part (Technical Bid) shall not contain any financial aspects of the offer.**
It shall contain only a cross reference to the second part (Financial Bid).
 - II) The Second part (Financial Bid) shall contain detailed financial outlay with List of deliverables / Bill of materials / Bill of Quantities and services, unit price of items as in the technical bid (i.e., First Part).
2. Bidder should submit **EMD of Rs. 40,000/- (Rupees Forty Thousand only)** along with technical bid. Payment should be by way of DD / Banker’s cheque only, drawn in favour of “**The Administrative Officer, Raman Research Institute, Bengaluru**”. No other form of payment will be accepted. The Tenders without the EMD will be rejected.
3. The MSME Units/Enterprises claiming exemption of EMD should submit MSME UDYOG AADHAAR MEMORANDUM or registration certificate issued by District Industries Centre (DIC) / Khadi & Industries board (KVIB) / Coir board / National Small Industries Corporation (NSIC) / Directorate of Handicrafts and handlooms or any other body specified by Ministry of MSME. The memorandum / certificate submitted should be for the scheduled items of this bid and shall be valid as on bid end date /extended due date of the bid. However, MSME Unit/Enterprises must submit a duly signed **Bid Security Declaration** in lieu of EMD as per the Form of Bid-Security Declaration.
4. The successful Bidder’s EMD will be discharged upon the Bidder furnishing the Performance Security (Bank Guarantee), without any interest.
5. The refund of EMD for unsuccessful bidders will be made through Cheque or Electronic mode within a month after finalization of bid.
6. **The EMD may be forfeited:**
 - a) If a Bidder withdraws or amends or modifies or impairs or derogates their bid during the period of bid validity specified by the Bidder on the Bid form;

OR

 - b) In case of a successful Bidder, if the Bidder fails to furnish order acceptance or fails to sign the contract and/or fails to furnish Performance Bank Guarantee within 15 days from the date of issue of Contract/Order.
7. The successful bidder immediately after the award of the Contract shall prepare a detailed plan of Supply, Installation. Testing & Commissioning as proposed to be followed by placement of equipment, etc in consultation/ co-ordination with the end user.



8. **Performance Bank Guarantee (PBG):** On award of the work, the bidder shall provide **3%** (Three percent) of the order value in the form of a Bank Guarantee towards satisfactory performance within 15 days of receipt of order. The PBG should be valid throughout the warranty period of **Five Years plus Six months** as claim period, from the date of installation, testing and commissioning. Difference in the duration of PBG i.e., from the date of PBG issuance after the receipt of contract and actual date of installation shall get extended accordingly. The said PBG shall be returned/refunded to the bidder after satisfactory completion of supply, installation, testing and commissioning of goods as well as warranty period and claim period as per the terms of the Contract. In case of failure to render the contracted service, either at the time of execution or during the warranty period or non-compliance of due performance of contract, the PBG will be forfeited.
9. The Bidder shall not assign the Contract in whole or part without obtaining the prior written consent of buyer. The Bidder shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer and the Bidder shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Bidder's obligations there under.
10. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Bidder, if:
- a) The Bidder fails to comply with any material term of the Contract.
 - b) The Bidder inform Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise become apparent.
 - c) The Bidder fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
 - d) The Bidder becomes bankrupt or goes into liquidation.
 - e) The Bidder makes a general assignment for the benefit of creditors.
 - f) A receiver is appointed for any substantial property owned by the Bidder.
 - g) The Bidder has misrepresented to Buyer, acting on which misrepresentation buyer has placed the contract on the Bidder.
11. Delivery of goods should be made at our stores located on campus near Mekhri Circle, Bengaluru – 560 080, at suppliers cost and risk.
12. **Factory Test Certificates:**
Material test certificate should be sent along with the supply. The material will be checked by buyer's lab & the results of the lab will be the sole criteria for acceptance of the Item.



13. **Warranty: Five (5) Years warranty including parts from date of installation, testing & commissioning.**
14. Defects, if any, during the warranty period are to be rectified free of charge by arranging free replacement wherever necessary. The Expenditure involved like Freight Charges, Custom Duty, Insurance Charges, Clearance Charges etc., is to be borne by successful bidder.
15. In case the Equipment/System remains non-operational or performs below the desired level for more than One week after intimation of the fault in the Equipment/System then the Warranty period shall be extended for such downtime period for which the Equipment/System remained non-operational or performed below the desired level, without prejudice to any other terms and conditions of the Contract.
16. **Payment:** 80% Payment after delivery and acceptance of the goods/ material/ ordered item and balance 20% after successful installation, testing and commissioning and submission of Performance Bank Guarantee for 3% as per **point no. 8.**
17. **LD Clause:** Time is the essence of this supply, delivery period mentioned in the Contract should be strictly adhered to, otherwise LD clause will be applicable/enforced. All deliveries should be completed within the stipulated delivery time of the Contract due date. While the Institute reserves the right not to accept delivery in part or full, beyond the due date of delivery, liquidated damages at 0.5% per every week of delay will be levied. Exceptions: Force Majeure
18. **Post-Sales Support:**
The Equipment must be supported by service centre post sales manned by the principal Bidder's technical support Engineers. The post-sales support through this centre must be available 24 hours in a day, 7 days in a week and 365 days in a year, also it should be possible to contact the Principal bidder's support centre on a toll free number/ web mail.
If Service Centre doesn't exist at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Bidder/ OEM should provide the details of on-site support to be extended during the warranty period.
19. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
20. All disputes, arbitration, if any, are subject to jurisdiction of courts in Bengaluru, Karnataka, India only.



FORM OF BID-SECURITY DECLARATION

[The Bidder should fill in this Form on their Letter Head in accordance with the instructions indicated]

To
The Administrative Officer,
Raman Research Institute,
C.V. Raman Avenue, Sadashivanagar,
Bengaluru – 560 080.

Ref: Tender Ref. No. **NIT-232023-2024-2025 dated: 18.12.2024**

We, the undersigned declare that:

We know that the bid should be supported by a Bid Security Declaration in accordance with your conditions.

We hereby declare that the prices offered by us against RRI bid Document No **NIT-232023-2024-2025 dated: 18.12.2024** for **Supply, Installation, Testing & Commissioning of Programmable Spin Coater System** will be firm for a period of 180 days or the date when the tenders are finalized, whichever is earlier.

We accept to automatically be suspended from being eligible for bidding in any contract in RRI for a period of 3 years from the date of opening of Bid, if we are in breach of our obligation(s) under the bid conditions, because we:

After having been notified of the acceptance of our bid by the Contracting Authority within the period of bid validity:

- 1) We failed or refused to furnish a Performance Security in accordance with the Condition of the Bid Document No. **NIT-232023-2024-2025 dated: 18.12.2024**
OR
- 2) We failed or refused to sign the contract.

We know that this Bid – Security Declaration will expire, if contract is not awarded to us, upon:

- 1) Your notification to us of the name of the successful bidder or
- 2) Twenty – eight days after the expiration of our Bid validity or any extension to it

Dated this ___ day of _____

For and on behalf of M/s. _____

Address:

Signature Name

In the capacity of

seal/ stamp

