

**Global tender notification for the procurement of scientific grade spin coater**  
**(Last date: 24 December 2021)**  
**GTE Approval No. IISc-GTE-2021-116**

Quotations are invited for the procurement of scientific grade spin coater, for the Department of Inorganic and Physical Chemistry (IPC) of Indian Institute of Science, Bengaluru on C.I.P. Bangalore basis (by Air Freight only). The bids must mention the terms of delivery, delivery schedule, estimated delivery date, and payment terms. The duly signed tender must be submitted in two separate sealed envelopes: (i) containing the technical bid and (ii) containing the commercial bid, both of which should reach us on or before 17:00 hours on Friday, 24 December 2021.

The bids should be submitted to the Department of IPC office and addressed to:

**The Chairman**

Department of Inorganic and Physical Chemistry,  
Indian Institute of Science, Bengaluru,  
Karnataka – 560 012, India.  
Kind attention: **Dr. Anoop Thomas**

**Procedure:**

1. Vendors will be required to submit a technical bid and a commercial bid in **two separate sealed envelopes**. The technical bid should contain all commercial terms and conditions, except the price. Only vendors who meet the technical requirement will be considered for the commercial negotiation.
2. The technical bid must contain a point-by-point technical compliance document. The technical proposal should contain a compliance table with 5 columns.
  - a. First column must list the technical requirements, in the order that they are given in the technical requirements below.
  - b. The second column must provide specification of the instrument against the requirement (please provide quantitative responses wherever possible)
  - c. The third column should describe the compliance with a “YES” or “NO” only. Ensure that the entries in the column 2 and column 3 are consistent.
  - d. The fourth column should clearly state the **reasons/explanations/context** for deviations if any. Without clear explanation, just stating YES” or “NO” will not be considered.
  - e. The fifth column may contain additional remarks. It can be used to highlight the technical features, qualify response of previous columns, or provide additional details.
3. Items in addition to that listed in the technical table that the vendor would like to bring to the attention, such as data sheets, technical plots etc. can be listed at the end of the

compliance table. Vendors are also encouraged to highlight the advantage of their tools over comparable tools from the competitors.

4. If multiple systems can fulfil the requirements, vendors can submit multiple bids.
5. The commercial bid must include the price of the item inclusive of all discounts. All accessories needed for the instrument to function as per the technical specification must be listed. Please provide the itemized quotes for the instrument and any other attachment/accessory.
6. As an option, please provide itemized cost for any suggested accessories/add-ons that may enhance the usability, capability, accuracy, or reliability of the tool. Vendors are encouraged to quote for as many add-ons as their tool portfolio permits.
7. Provide itemized cost for required spares for 3 years of operation. For sake of calculation the vendor may assume the active instrument usage of 40 hours/week. This number will be used to estimate the lifecycle cost of the instrument.
8. The commercial bid should indicate the following separately: (a) equipment price (b) optional items (c) freight and insurance cost (d) shipping cost and (e) the total cost.
9. List of customers and references: The Bidder should have supplied similar equipment in in **Govt. of India funded institutes (IITs, IISc, IISERs and NITs) and central universities**. Please provide the details and contact information.
10. Please quote the price of each optional line item, separately.

The deadline for submission of the bids is **24 December 2021, 5:00 pm Indian Standard Time**. Proposals should arrive at the office of Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru, Karnataka – 560 012, India. Direct all questions concerning the acquisition to Dr. Anoop Thomas at: [athomas@iisc.ac.in](mailto:athomas@iisc.ac.in)

## **II. General terms and conditions:**

1. The institute reserves the right to accept or reject any bid, or to annul the bidding process and reject all bids, at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.
2. The quote must also include references of 5 previous installations of the similar equipment in India. Please provide the names and contact addresses of the referees, so that they can be contacted independently. Details of such systems with model numbers and users should be provided. The references can be used to disqualify vendors with poor track record of service, build quality, system performance or poor availability of spares.
3. The bidder must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere. A declaration to this effect should be provided.
4. The vendor should be able to repair and maintain the equipment once it is installed. Clarify if periodic (preventive) maintenance can be done by a trained on-site engineer (i.e. IISc employee) or requires a specialist from the OEM. The bidder should have qualified

technical service personnel for the equipment based in India and must assure a response time if <24 hours after receiving a service request.

5. If maintenance must be done by OEM, as an additional option, provide cost of an annual maintenance contract (AMC) for 3 years, post warranty. The AMC must cover one scheduled and one emergency visit per year. The AMC cost must also include an itemized list of spares that are essential for the scheduled visits.
6. All the quotations must be valid for at least 90 days at the time of submission.
7. The quotations should clearly indicate the terms of delivery, delivery schedule, tax, and payment terms.
8. After the award of purchase order, the vendor must provide an Order Acknowledgement within 30 days from the receipt of the Purchase Order.
9. The lead-time for the delivery of the equipment should not be more than 3 months from the date of receipt of our purchase order.
10. 100% payments will be released after the completion of delivery and satisfactory installation subject to TDS as per rules. As per GFR no advance payment can be made to domestic vendors, unless an equal amount of bank guarantee is provided.
11. The bidder is responsible for the installation of the equipment in the IISc campus.
12. Necessary training to operate the procured setup and required literature support (in English language) should be provided without additional cost.
13. Bidders should undertake to support the system with spares and software bugfixes, if any, for the next 5 years.
14. Please indicate the warranty provided with the tool. No travel claims must be made by the vendor for servicing during the guarantee/warranty period.
15. Data must be supplied along with the technical compliance documents. Technical bids without supporting data will be deemed as technically non-compliant.
16. Printed literature and published papers in support of all compliance to the prescribed specifications may be provided.
17. All guaranteed specifications will have to be demonstrated, upon request, in an active installation. Failure to demonstrate any promised specifications will be deemed as technical non-compliance.
18. Technical evaluation by the institute must include demonstration to verify functionalities and capabilities of the system quoted. Any discrepancy between the promised specifications and demonstrated specifications will be deemed as technical non-compliance. If need arises, the vendor must be ready to physically visit IISc for a techno commercial discussion.
19. The intender reserves the right to withhold the placement of the final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all the above conditions without assigning any reason.

### III. Technical requirements for scientific grade spin coater.

Process chamber	: 200 mm process chamber or larger; system must be tabletop.
Material	: Natural polypropylene or better
Dispense type required	: Manual or auto
Lid	: Should have a central opening and must be resistant to chemicals
Drain reservoir	: The chamber should have an exhausted drain reservoir
Substrate handling	: Up to 6-inch wafer (or higher)
Spin speed	: Up to 12000 rpm (or higher) at 1 rpm increments
Spin direction	: Clockwise and anti-clockwise spinning should be possible
Time span	: 1s to 50 minutes or better with 0.1s increments
Acceleration	: Up to 12000rpm/sec (or higher) at 1 rpm increments
Programmable parameters	: No. of steps, speed, acceleration, spin direction, and dwell time
Safety features required	: (1) The rotation should be disallowed while chamber is open. (2) The chamber should not be openable while program is running, or during chuck rotation after program ends.
Vacuum pump	: Oil less vacuum pump (220 VAC, 50/60 Hz) that can support spin coating at 12000rpm
Process chamber liner	: Reusable and removable process chamber liner made of chemical resistant polymer.
Chucks and fragment adapter	: Adequate vacuum chucks and small fragment adapters (>5 mm to 25 mm) made of natural polypropylene.