

Request for Quote (India based vendors only) for the procurement of scientific grade spin coater. (Last date: 29 October 2021)

This is a Request for Quote (RFQ) from **Class I and Class II local suppliers/ manufacturers** only for the procurement of scientific grade spin coater, for the Department of Inorganic and Physical Chemistry (IPC) of Indian Institute of Science, Bengaluru.

Only the **Indian Original Equipment Manufacturer (OEM)** or their distributor shall submit a response demonstrating their capabilities to produce the requested equipment to the primary point of contact listed below. With respect to this tender, the rules laid out by the Government of India in order No. P45021/2/2017-pp-BE-II issued by the Public Procurement Section, Department or Promotion of Industry and Internal Trade, Ministry of Commerce, and Industry, dated 4th June 2020 will be followed. The bidders must go through the Government of India order stated above and follow all the rules and regulations therein.

Relevant definitions as per Government of India order:

- **Class-I local supplier** - A supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%.
- **Class-II local supplier** - A supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%.
- **Local content** – The amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent.

Procedure:

1. Vendors will be required to submit a technical proposal and a commercial proposal 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 covering letter should clearly state that whether the vendor is a Class-I or Class-II local supplier distinguished by their “local content”. Failing this the bid will be automatically rejected.
3. The vendor to state the percentage of the local content and provide self-certification that the item offered meets the minimum local content requirement. They should also give details of the location(s) at which the local value addition is made.
4. Separate detailed justification needs to be given to substantiate the qualification as Class 1 and Class 2 suppliers and the intender reserves the right to cross-check the factual validity of the same and one if some foreign parts or equipment is being put forward then please submit the “*bill of material*” details for the same for evaluation.

5. 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.
6. 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.
7. If multiple systems can fulfil the requirements, vendors can submit multiple bids.
8. The commercial bid must include the price of the item in Indian currency, 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. **The quotations should be on FOR-IISc Bangalore basis in INR only. Please quote the price of each optional line item, separately.**

The deadline for submission of the bids is **29 October 2021, 5:30 pm Indian Standard Time**. Proposals should arrive at the office of Dr. Anoop Thomas, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru, Karnataka – 560 012, India. Direct all questions concerning the acquisition to addresses to Dr. Anoop Thomas at: 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	: 240 mm process chamber
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 10rpm or lower 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 10rpm or lower 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

Optional Items:

- Process chamber liner : Reusable and removable process chamber liner made of chemical resistant polymer.
- Fragment adapter : Fragment adapter (>5 mm to 25 mm) made of natural polypropylene.