



September 13th, 2022

To Whom It May Concern

Global Tender to supply Spin coater system (Quantity: 4)

This is an RFQ (Request for Quote) for procurement of a Spincoater system for the Centre for Nano Science and Engineering (CeNSE) at IISc, Bangalore.

CeNSE is a multidisciplinary research department at IISc that houses a 14,000 sq. ft. cleanroom and characterization facility used by 50 faculty members from various disciplines at IISc. CeNSE also runs a program called Indian Nanoelectronics Users Program (INUP) which has allowed 4200 participants from more than 700 universities and institutes all over India to use the facilities at CeNSE. Consequently, any tool in CeNSE receives significant exposure to scientific community at IISc and beyond. The vendors are requested to factor in the value of this exposure into their quotes. Details of existing facilities and INUP program can be gleaned from:

<http://nnfc.cense.iisc.ac.in/>

<http://www.mncf.cense.iisc.ac.in/>

<https://www.inup.cense.iisc.ac.in/>

Procedure

1. Vendors will be required to submit a technical proposal and a commercial proposal in **two separate sealed envelopes**. Only vendors who meet the technical requirement will be considered for the commercial negotiation.
2. **The deadline for submission of proposals is the 4h Oct 2022, 5:30 pm Indian Standard Time.** Proposals should arrive at the Main office, GF-15, Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore 560012, India, by the above deadline.
3. The decision of purchase committee will be final.
4. The technical proposal should contain a compliance table with 5 columns. The first column must list the technical requirements, in the order that they are given in the technical configuration below. The second column should describe your compliance in a "Yes" or "No" response. If "No" the third column should provide the extent of the deviation (please provide quantitative responses). The fourth column should state the reasons for the deviation, if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirements table below.
5. Any additional capabilities or technical details, that you would like to bring to the attention of the purchase committee, can be listed at the end of the technical table.
6. Vendors are encouraged to highlight the advantages of their tools over comparable tools from the competitors



7. If multiple systems can fulfill the requirements, vendors can submit multiple bids.
8. In the commercial bid, please provide itemized cost of the system and *required* accessories, such as software, power supply, etc.
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. Please indicate the warranty provided with the tool. Warranty of 3 years or more is preferred.
11. The quotations should be CIP-Bangalore airport.
12. Provide itemized cost for *required* spares for 2 years of operation. For sake of this calculation, the vendor may assume active tool usage of 20 hours/ week. This number will be used to estimate the life cycle cost of the tool.
13. Clarify if periodic (preventive) maintenance be done by a trained on-site engineer or requires a specialist from the OEM.
14. If maintenance requires OEM, as an additional option, provide cost of an annual maintenance contract (AMC) for 3 years, post warranty. The AMC must cover 1 scheduled and 1 emergency visit per year. It must also indicate who will service the AMC, an Indian agent or the OEM. The AMC cost must also include an itemized list of spares that are essential for the scheduled visits.
15. The RFQ must include references of 3 previous installations, preferable in India. Please provide the names and contact addresses of the referees, so that the committee can contact them independently.
16. Any questions can be directed to Dr. Savitha P, GF-20, Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore 560012, India. (savithap@iisc.ac.in)

Technical Requirements

1. System requirements	<ol style="list-style-type: none">1. Programmable Spin Coater system is required for uniform thin film coating. System must be tabletop.2. System must be microprocessor controlled.3. Process Chamber must be of minimum 200mm diameter.4. Lid cover must be also resistant to chemicals.5. System must have the capability of storing 20 recipes each containing up to 51 steps.6. Speed must be upto 12,000 RPM with +/-1 RPM ramp.7. Acceleration: Up to 10,000 RPM or higher.
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2.	Optional items	<p>Process chamber liner : Reusable and removable process chamber liner made of chemical resistant polymer.</p> <p>Fragment Adapter : Fragment adapter (>5 mm to 25 mm) made of natural polypropylene.</p> <p>Alignment tool : for use with 1.75" low profile vacuum chuck for 2", 3", 100 mm, 125 mm and 150 mm wafers</p>
3.	Footprint& weight	<ul style="list-style-type: none"> The system should be a tabletop model compatible with placing in a class 100 cleanroom. Please specify the total footprint in cm x cm, and weight. Real estate is valuable, a compact system preferred.
4.	Periodic Maintenance	<ul style="list-style-type: none"> The system should require only minimal maintenance. Mention the recommended preventive maintenance schedule for the system. Any accessories needed for periodic preventive maintenance for 3 years e.g. O-rings, should be mentioned in separately the itemized quote.



		<ul style="list-style-type: none">• Please provide cost of a 3 year AMC with required kit/consumables.• The system should be supported by a trained local representative and should have a 48hour window of response
5.	Installation and Training	<ul style="list-style-type: none">• Installation and training at customer site, by the experts from principals should be part of the package.• During the installation all the specifications of the tool should be verified for acceptance by the customer.• If periodic maintenance can be done by the on-site engineer, please include the cost of training the engineer.
6.	Power& utilities	<ul style="list-style-type: none">• The instrument should work with Indian standards• Mention the power requirement.• Mention any utility requirement (water, air, exhaust, etc.)
7.	Safety	<ul style="list-style-type: none">• Mention any special safety requirement of the tool• The tool must come with a complement of interlocks to prevent common user errors.
8.	Recommendation	<ul style="list-style-type: none">• The system must submit references from atleast 3 previous installations where the system has been used in Class 100 cleanrooms• The names and contact addresses of the referees must be submitted with the proposal, so the purchase committee can contact them independently.

Thanking you,

Shankar Kumar Selvaraja, Ph.D.
Assistant Professor
Centre for Nano Science and Engineering
Indian Institute of Science, Bangalore, India 560012.
Office : +91-80-2293-3342
E-mail: shankarks@iisc.ac.in