



24th September2024

To Whom It May Concern Global Tender for Supply of Mixed bed Resin.

This is an RFQ(Request for Quote) for the Supply of Mixed bed resin as part of an open tender for the Centre for Nano Science and Engineering (CeNSE)at IISc, Bangalore.

CeNSE is a multidisciplinary research department at IISc that houses a 14,000sq.ft. cleanroom and characterization facility used by 50 faculty members from various disciplines at IISc. CeNSE also runs a program called the Indian Nano electronics 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 the scientific community at IISc and beyond. The vendors are requested to factor in the value of this exposure in their quotes. DetailsofexistingfacilitiesandtheINUPprogramcanbegleanedfrom:<http://nnfc.cense.iisc.ac.in/http://www.mncf.cense.iisc.ac.in/>
<https://www.inup.cense.iisc.ac.in/>

Procedure

1. Vendors must submit a technical proposal and a commercial proposal in **two separate sealed envelopes**. Only vendors who meet the technical requirements will be considered for the commercial negotiation. **PLEASE MAKE SURE THE SITE VISIT IS DONE BEFORE SUBITTING THE BID. ONLYBIDS FROMVENDORS WHO HAVE VISITED THESITE WILLBE ENTERTAINED.**
2. **The deadline for submission of proposals is the 15th October 2024, 5:30pm 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 the purchase committee wills be final.
4. The technical bid and price bid should each be placed in separate sealed covers, superscripting on both the envelopes the tender no. and the due date. Both these sealed covers are to be placed in a bigger cover which should also be sealed and duly superscripted with the Tender No, Tender Description & Due Date.
5. The SEALED COVER superscripting tender number / due date & should reach Chairperson Office, Centre for Nanoscience and Engineering, Indian Institute of Science, Bangalore – 560012, India on or before due date mentioned in the tender notice. In case due date happens to be holiday the tender will be accepted and opened on the next working day. If the quotation cover is not sealed, it will be rejected.
6. Cancellation of the tender: Notwithstanding anything specified in this tender document, the purchase committee, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:
 - a. To accept OR reject lowest tender or any other tender or all the tenders.
 - b. To accept any tender in full or in part.



- c. To reject the tender, offer not confirming to the tender terms.
7. The offer shall be valid 90 Days from the date of opening of the commercial bid.
 8. Only the Original Equipment Manufacturer or their authorized representatives shall participate in the bid.
 9. The order will be placed only on the bidder who participated in the bid.
 10. The bidder should have local vendor support for installation.
 11. . The bidder shall provide the lead time to delivery at IISc, Bangalore from the date of receipt of purchase order. The system should be delivered within 90 days from the date of receipt of purchase order. No partial shipment is allowed.
 12. The payments to non domestic vendors will be through a Letter of Credit and milestone of the payment will be determined after the mutual discussions with the successful bidder. As per GFR no advance payment can be made to domestic vendors, unless an equal amount of bank guarentee is provided.
 13. Statutory Variation: Any statutory increase in the taxes and duties subsequent to bidder's offer, if it takes place within the original contractual delivery date, will be borne by IISc, Bangalore subject to the claim being supported by documentary evidence. However, if any decrease takes place the advantage will have to be passed on to IISc, Bangalore.
 14. Disputes and Jurisdiction: Any legal disputes arising out of any breach of contract pertaining to this tender shall besettled in the court of competent jurisdiction located within the city of Bangalore, India.
 15. 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 should also contain the make and model of the components/parts to be used in the installation.
 16. 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.
 17. In the commercial bid, please provide the itemized cost of the different subsystems, along with possible breakups.
 18. Provide itemized cost for required spares for 2years of operation. Please note, the cleanroom is expected to be operational 24x7 and breakdowns should be minimal or nil.
 19. As an additional option, provide the cost of an annual maintenance contract (AMC) for 1-year, post-warranty. The AMC must cover 1 scheduledand1 emergency visit per year. The AMC cost must also include an itemized list of spares that are essential for the scheduled visits.
 20. The RFQ must include references to 3 previous installations, preferably in India. Please provide the names and contact addresses of the referees, so that the committee can contact them independently.
 21. The offer shall be valid at least 90 Days from the date of opening of the commercial bid.
 22. Any questions can be directed to Mr. Gajendra M, Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore 560012, India. (gajendram@iisc.ac.in)



Annexure:1

Details of the Bidder

The bidder must provide the following mandatory information & attach supporting documents wherever mentioned:

Details of the Bidder

Sl. No	Items	Details
1.	Name of the Bidder	
2.	Nature of Bidder (Attach attested copy of Certificate of Incorporation/ Partnership Deed)	
3.	Registration No/ Trade License, (attach attested copy)	
4.	Registered Office Address	
5.	Address for communication	
6.	Contact person- Name and Designation	
7.	Telephone No	
8.	Email ID	
9.	Website	
10.	PAN No. (attach copy)	
11.	GST No. (attach copy)	

Signature of the Bidder

Name
Designation, Seal

Date:

ShankarKumarSelvaraja
AssociateProfessor

T+9180 22933342
Eshankarks@iisc.ac.in <http://www.http://www.cense.iisc.ac.in/shankar-kum>



Annexure-2:

Declaration regarding experience:

To,
Shankar Kumar Selvaraja,
Ph.D.Associate Professor
Centre for Nano Science and Engineering Indian Institute of
Science, Bangalore, India 560012.
E-mail: shankarks@iisc.ac.in

Ref: Tender No: XXXXXXXXX
Dated: XXXXX

Supply MIXED BED RESIN at Centre for Nano science and Engineering Department, IISc Bangalore.

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm has years of experience in supplying and installation of DI plants, polisher beds, Mixed Bed Resin.

Signature of the Bidder

Name
Designation, Seal

Date:



Annexure-3:

Declaration regarding track record

To,
Shankar Kumar Selvaraja,
Ph.D.Associate Professor
Centre for Nano Science and Engineering Indian Institute
of Science, Bangalore, India 560012.
E-mail: shankarks@iisc.ac.in

Ref: Tender No: XXXXXXX

Dated: XXXXX

Supply of MIXED BED RESIN at Centre for Nano Science and Engineering Department, IISc
Bangalore.

Sir,
I've carefully gone through the Terms & Conditions contained in the above referred tender. I
hereby declare that my company/ firm is not currently debarred / blacklisted by any
Government / Semi Government organizations / institutions in India or abroad. I further
certify that I'm competent officer in my company / firm to make this declaration.

Or

I declare the following

Sl.No	Country in which the company is Debarred /blacklisted / case is Pending	Blacklisted / debarred by Government / Semi Government/Organizations /Institutions	Reason	Since when and for how long
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Signature of the Bidder

Name
Designation, Seal

Date:



Annexure – 4:

Declaration for acceptance of terms and conditions

To,
Shankar Kumar Selvaraja,
Ph.D.Associate Professor
Centre for Nano Science and Engineering Indian Institute of
Science, Bangalore, India 560012.
E-mail: shankarks@iisc.ac.in

Ref: Tender No: XXXXXX

Dated: XXXX

Supply of MIXED BED RESIN at Centre for Nano Science and Engineering Department
Engineering Department, IISc Bangalore.

Sir,
I've carefully gone through the Terms & Conditions as mentioned in the above referred tender document. I declare that all the provisions of this tender document are acceptable to my company. I further certify that I'm an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Name

Designation, Seal

Date:



Annexure – 5:

Details of items quoted:

- a. Company Name
- b. Product Name
- c. Part / Catalogue number
- d. Product description / main features
- e. Detailed technical specifications
- f. Remarks

Instructions to bidders:

1. Bidder should provide technical specifications of the quoted product/s in detail.
2. Bidder should attach product brochures along with technical bid.
3. Bidders should clearly indicate compliance or non-compliance of the technical specifications provided in the tender document.

Technical Specification

SINo	Item	Description																																																																									
1	Mixed Bed resin	NR-30MEGPPQisa1:1chemicalequivalentofC-361MEGPPQ(H)and A-464MEGPPQ(OH).These resins are produced using selected starting resins and are processed to have very low TOC leachables, boron and dynamic sodium levels for use in the semiconductor market along with a Very quick rinse up.																																																																									
2	Quantity	500 liters																																																																									
3	Chemical Properties	Functional Groups: Sulfonic Acid, Trimethylamine Ionic Form(as shipped): Hydrogen/Hydroxidemix Moisture Content: 51%max.(Hformcation)/59%max.(Clformanion) Exchange Capacity: 2.0meq/mlmin.(Hformcation)/ 1.0meq/mlmin.(OHformanion) Conversion: Cation99%minimum(Hform) Anion94%minimum(OHform) Impurities: TOC(15bedvolumesofrinse): □10ppbmaximumabovetheinfluent Kinetics: 18 megohm																																																																									
4	Physical properties	Particle Screen Sizing: +16 Mesh:5.0%maximum -50Mesh:0.5%maximum Effective Size(Approximate): 0.40-0.60mm Whole Beads(%): 95minimum																																																																									
5	Operating Conditions	Operating pH Range: 1 to 14 Service Flow Rate: Demineralization 1 to 4 gpm/ft ³ Maximum Operating Temperature: 140oF																																																																									
6	The product should Pass the following analysis																																																																										
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