

29 October 2024

## To Whom It May Concern

### Local Tender

This is a Request for Quote (RFQ) from domestic (India-based), for “Supply, Installation, Testing and Commissioning of General Exhaust to CeNSE Labs in IDR Building” as part of a limited tender for the Centre for Nano Science and Engineering (CeNSE.) at Indian Institute of Science (IISc.) Bengaluru. CeNSE is a multidisciplinary research department at IISc that houses a 14,000 sq. ft. cleanroom and characterization facility that offers a wide variety of material and device characterization services enabled by the more than 50 pieces of equipment housed under a single roof at CeNSE, IISc, used by 50 faculty members from various disciplines at IISc. Supporting the central facilities are the Packaging and Systems Facility lab and other functionally distinct laboratories managed by various research groups. In keeping with the Centre’s collaborative and open atmosphere, access to these laboratories can also be provided after appropriate permissions. CeNSE also runs a nationwide program that has allowed more than 4200 participants from more than 700 universities and institutes all over India to use the facilities at CeNSE. Consequently, any utility/facility at CeNSE receives significant exposure to the scientific community at IISc and beyond.

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

1	Section 1	Bid Schedule	
2	Section 2	Eligibility Criteria	As specified by CeNSE, IISc
3	Section 3	Terms and Conditions	As specified by CeNSE, IISc
4	Section 4	Specifications	Technical specifications
5	Section 5	Technical Bid	Annexure 1: Bidder details
			Annexure 2: Declaration regarding the experience of the bidder
			Annexure 3: Declaration regarding the clean track record of the bidder
			Annexure 4: Declaration of acceptance of tender
			Annexure 5: Terms and conditions. Details of the item quoted
			Annexure 6: Declaration Of Local Content by Local Supplier
6	Section 6	Commercial bid	Quotation with Price, Technical specifications of the Equipment

# Section 1- Bid Schedule

1	Tender No	IISc/CeNSE-IDR/Oct2024-01
2	Tender Date	29th October 2024
3	Item Description	“Supply, Installation, Testing and Commissioning of General Exhaust to CeNSE Labs in IDR Building”.
4	Tender Type	Two bid system (i) Technical Bid (Part A) (ii) Commercial Bid (Part B)
5	Place of tender submission	CeNSE Office Ground Floor (GF15) Centre for Nano Science and Engineering Indian Institute of Science, Bengaluru 560012
6	Last Date & Time for submission of tender	19th November 2024 by 5:30 PM
7	For further clarification	Mr. N S Maanjunatha Infrastructure Manager, Centre for Nano Science and Engineering Indian Institute of Science, Bengaluru 560012 Email: manjunathans@iisc.ac.in Phone: +91 80 2293 3276

# Section 2 – Eligibility Criteria

Prequalification criteria:

1. The Bidder's firm should have existence for a minimum of 2 years. (Enclose Company Registration Certificate).
2. The Bidder should belong to either class 1 or class 2 supplier distinguished by their "local content" as defined by recent edits to GFR. They should mention clearly which class they belong to in the cover letter.
  - a) Class 1 supplier: Goods and services should have local content of equal to or more than 50%.
  - b) Class 2 supplier: Goods and services should have local content of equal to or more than 20 % and less than 50%.
3. The quote should come only from an Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.
4. The quotations should be on FOR-IISc Bengaluru basis in INR only.
5. Vendor should provide references to similar exhaust solutions implemented by the vendor in other locations
6. Bidders offering imported products will fall under the category of Non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-II local suppliers by claiming services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc as local value addition.
7. Purchase preference as defined by the recent edits to GFR (within the "margin of purchase preference") will be given to the Class-1 supplier.
8. MSME can seek exemption to some qualification criteria. IISc follows GFR2017 for such details.
9. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per -Annexure 4.
10. 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 has to be given as per Annexure 3.

# Section 3 – Terms and Conditions

## A) Submission of Tender:

1. All documentation in the tender should be in English.
2. Interested parties must visit the site and then provide a technical bid consisting of all technical details and the checklist for conformance to technical specifications.
  - a. Technical Bid (Part-A) – The technical bid should contain details of the Supply, Installation, Testing and Commissioning of General Exhaust to Eight CeNSE Labs in the IDR Building.

The technical proposal should contain a technical compliance table with 5 columns.

- I. The first column must list the technical requirements and scope of work in the order that they are given in the technical configuration below (Annexures 1, 2 and 3).
- II. The second column should describe your compliance in a “Yes” or “No” response.
- III. If “yes”, the third column should provide the make and type of the system proposed by the vendor.
- IV. If “No”, the fourth column should provide the extent of the deviation (please provide quantitative responses).
- V. The fifth column should state the reasons for deviation, if any. The sixth column can be used to highlight the advantages of the system identified in the third column.

- Please find the Annexure below.

Annexure 1	Technical specifications
Annexure 2	Bill of materials
Annexure 3	Scope of work
Annexure 4	Prospered drawing layout

- 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.
  - Vendors are encouraged to highlight the advantages of their solution over comparable ones that they are aware of.
  - Only vendors who are compliant with the technical requirements will be considered for commercial comparison. The bid is awarded to the lowest-cost vendor (referred to as L1) offering the most effective solution.
- b. Commercial Bid (Part-B) – Please provide the itemized cost of the system and required accessories for the items mentioned in the technical bid.
    - In the commercial bid, please provide the itemized cost of the system and required accessories.

- As an option, please provide itemized cost for any suggested accessories/add-ons that may enhance the system's usability, capability, accuracy, or reliability. Vendors are encouraged to quote for as many add-ons as their part/material portfolio permits.
  - Please indicate the warranty period offered and what the warranty includes. Warranty for a period of 5 years or more is preferred.
  - Training on the usage of the machine (hardware and software) must be provided by the successful bidder at the bidder's cost to the end users at CeNSE, IISc, Bengaluru.
- c. Please provide an estimate of how long you will require to complete the project, if it is awarded to you.
3. Vendor should provide references to similar Exhaust solutions implemented by the vendor in other locations.
  4. The site visit should be scheduled between the 30th October to 12th November 2024, and the bids - technical and commercial - should be received at the Office of the Centre for Nano Science and Engineering on/before the 19th of November 2024, 5:30 PM.
  5. Since this Exhaust system will be implemented on an existing civil structure, for the purposes of structural clearance, a structural drawing and details of point and total loads (due to structure scheme), if any, must be submitted, along with the technical bid, so that CeNSE can obtain engineering clearance from Institutional authorities.
  6. 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 addressed to **The Chairman, Centre for Nano Science and Engineering, Indian Institute of Science, Bengaluru - 560012, India** and should reach CeNSE Office, Centre for Nanoscience and Engineering, Indian Institute of Science, Bengaluru – 560012, India on or before due date mentioned in the tender notice. In case the due date happens to be a holiday, the tender will be accepted on the next working day. Any violation of this will lead to the disqualification of the vendor's proposal.
  7. All queries are to be addressed to the person identified in "Section 1 – Bid Schedule" of the tender notice.
  8. GST/other taxes, levies etc., are to be indicated separately. The BIDDER should mention GST Registration and PAN in the tender document.
  9. If price is not quoted in Commercial Bid as per the format provided in tender document the bid is liable to be rejected.
  10. The purchase committee reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to the award of the contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders.
  11. Incomplete bids will be summarily rejected.
  12. The decision of the Purchase Committee, CeNSE/IISc, will be final.

## B) Cancellation of Tender:

Notwithstanding anything specified in this tender document, the CeNSE, IISc, purchase committee, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:

- a. To accept OR reject the 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.

## C) Validity of the Offer:

The offer shall be valid 90 Days from the date of opening of the commercial bid.

## D) Evaluation of Offer:

1. The technical bid (Part A) will be opened first and evaluated.
2. Bidders meeting the required eligibility criteria as stated in Section 2 of this document shall only be considered for Commercial Bid (Part B) opening. Further, agencies not furnishing the documentary evidence as required will not be considered.
3. Pre-qualification of the bidders shall not imply final acceptance of the Commercial Bid. The agency may be rejected at any point during technical evaluation or during commercial evaluation. The decision in regard to acceptance and/or rejection of any offer in part or full shall be the sole discretion of CeNSE, IISc Bengaluru, and the decision in this regard shall be binding on the bidders.
4. The award of the contract will be subject to acceptance of the terms and conditions stated in this tender.
5. Any offer which deviates from the vital conditions (as illustrated below) of the tender is liable to be rejected:
  - a. Non-submission of complete offers.
  - b. Receipt of bids after due date and time and or by email/fax (unless specified otherwise).
  - c. Receipt of bids in open conditions.
6. In case any BIDDER is silent on any clauses mentioned in these tender documents, CeNSE, IISc Bengaluru shall construe that the BIDDER had accepted the clauses as of the tender and no further claim will be entertained.
7. No revision in the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.
8. Lowest bid will be calculated based on the total price of all items tendered for Basic equipment along with accessories selected for installation, operation, preprocessing and post-processing, optional items, recommended spares, warranty, annual maintenance contract.

## E) Pre-requisites:

The bidder will provide the prerequisite installation requirement of the equipment along with the technical bid.

## F) Warranty:

The complete system is to be under the warranty period of a minimum of 5 years (year-wise breakup value should be shown in the commercial bid) Vendor should include the cost of any spares that are expected to be needed during the warranty period including electronics, subcomponents, and software. Vendors should assume that operations run continuously, 24/7, for the purposes of this calculation. If any instrument or component is found to be defective, it must be replaced or rectified at the vendor's cost within five (5) days from the date of receipt of written communication from CeNSE, IISc, Bengaluru. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.

## G) Annual Maintenance Contract:

An annual maintenance contract for a period of at least 3 years post warranty should be provided as an essential optional item on completion of the warranty period. If the purchase committee opt for the AMC, then the L1 will be calculated as instrument cost (A) Including warranty + cost of AMC per year (B)\*no of year. If we opt AMC period as 3 years, L1 will be calculated as  $A + 3*B$ . The AMC costs will not be considered towards classifying the domestic nature (class 1 or class 2) of the vendor (see eligibility criteria in section 2).

## H) SPARES:

Vendors must provide a detailed list of spares and a user manual with a detailed Bill of Materials for all Parts. It should include the Spares Column with the Manufacturer part Number, Qty, and availability of stock after 3 Years.

## I) Purchase Order:

1. The order will be placed on the bidder whose bid is accepted by CeNSE, IISc based on the terms & conditions mentioned in the tender document.
2. The quantity of the items in the tender is only indicative. CeNSE, IISc, Bengaluru reserves the right to increase/decrease the quantity of the items depending on the requirement.
3. If the quality of the product and service provided is not found satisfactory, CeNSE, IISc, Bengaluru reserves all the right to cancel or amend the contract.

## J) Delivery, Installation and Training:

1. The bidder shall provide the lead time to delivery, installation and made functional at IISc, Bengaluru, from the date of receipt of the purchase order. The system should be delivered, installed and made functional within the time mentioned in the Commercial bid from the date of receipt of the purchase order. The supply of the items will be considered as effected only on satisfactory installation and inspection of the system and inspection of all the items and features/capabilities tested by the CeNSE, IISc, Bengaluru. After successful installation and inspection, the date of taking over of entire system by

- the CeNSE, IISc, Bengaluru shall be taken as the start of the warranty period. No partial shipment is allowed.
2. The bidder should also arrange for technical training to the local facility technologists and users.

### K) Payment Terms:

100% payments (except AMC) will be released after completion, delivery and satisfactory installation subject to TDS as per rules. AMC cost (if ordered), after completion of warranty period) will be released on a half-yearly basis at the end of each six months subject to satisfactory services. Price basis must be on FOR-IISc Bengaluru basis only. As per GFR, no advance payment can be made to domestic vendors.

### L) Statutory Variation:

Any statutory increase in the taxes and duties subsequent to the bidder's offer, if it takes place within the original contractual delivery date, will be borne by CeNSE, IISc, Bengaluru subject to the claim being supported by documentary evidence. However, if any decrease takes place, the advantage will have to be passed on to CeNSE, IISc, Bengaluru.

### M) Disputes and Jurisdiction:

Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Bengaluru, India.

### N) General:

1. All amendments, time extensions, clarifications etc., within the period of submission of the tender will be communicated electronically. No extension in the bid due date/time shall be considered on account of delay in receipt of any document(s) by mail.
2. The bidder may furnish any additional information, which is necessary to establish capabilities to successfully complete the envisaged work. It is, however, advised not to furnish superfluous information.
3. The bidder may visit the installation site between 30th October – 12th November 2024 before the submission of the tender, with prior intimation.
4. Any information furnished by the bidder found to be incorrect, either immediately or at a later date, would render the bidder liable to be debarred from tendering/taking up of work in IISc, Bengaluru.



# Section 4 – Technical Specifications

A. Interested parties are required to visit the site and submit both a technical bid and a commercial bid, considering the following specifications:

- The exhaust system for eight different R&D CeNSE labs in the IDR building is to be constructed using PP+FRP 3+6 or better ducting with accessories and MS+FRP coated two exhaust blowers to be installed on the first-floor terrace of the IDR building. Please note that items on the terrace will be exposed to the open sky, so they must be able to withstand harsh conditions (Weather, Acid fumes etc).
- Each lab will require 2500 CFM, primarily for the fume hood, and will need two dampers compatible with motorized actuators in each lab. Please ensure to account for the CFM needed at the farthest corner of each lab.
- The design should reflect the essence of a premier institution in India.
- The labs will operate 24/7, and it is crucial to ensure there is no impact on adjacent labs.
- Additionally, VFD panels should be implemented for the exhaust blowers, suitable for operation through the BMS. There should be a bypass ducting with a damper inbetween the two blowers. Both the blower will be operational all time
- Blowers should be mounted on the antivibration mounting system such that the vibration is not passed on to the structure of the building.
- The noise level of the blowers when operational should be Less than 65 dB.
- Any type of Civil / Structural work, such as the foundation for equipment and making of openings for the passage of ducts, pipes, cables, framework for grills/diffusers, etc., will be in the Vendor/Contractor's scope.
- Electrical Panel Floor mounted, Powder coated sheet Steel enclosure, Two VFDs with Auto manual option, Two Potentiometer control for speed variation in manual mode, Option for BMS connections, Suitable ventilation fans, Suitable electrical wiring and Indication lamps for run, trip and off status.
- Electrical Cabling: Copper Cable 4 wire system and the earthing cable should be of the same specification. All cabling from the electrical room to the panel must be taken in a metal trunking with a suitable supporting system.

B. Technical Bid (Part-A) – The technical bid should contain details of the Supply, Installation, Testing and Commissioning.

- The technical proposal should contain a compliance table. The first column must list the technical requirements and scope of work in the order that they are given in the technical configuration below (Annexure 1, 2 and 3). The second column should describe your compliance in a "Yes" or "No" response. If "yes", the third column should provide the make and type of the system proposed by the vendor. If "No", the fourth column should provide the extent of the deviation (please provide quantitative responses). The fifth column should state the reasons for deviation, if any. The sixth column can be used for highlighting the advantages of the system identified in the third column.

- Please find the Annexure below.

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- 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.
  - Vendors are encouraged to highlight the advantages of their solution over comparable ones that they are aware of.
- a. Only vendors who are compliant with the technical requirements will be considered for commercial comparison. The bid is awarded to the lowest-cost vendor (referred to as L1) offering the most effective solution.
  - b. Vendor should provide references to similar Exhaust solutions implemented by the vendor in other locations.
  - c. The site visit should be scheduled between 30th October – 12th November 2024, and the bids - technical and commercial - should be received at the Office of the Centre for Nano Science and Engineering on/before the 19th of November 2024 5:30 PM.
  - d. Since this Exhaust solution will be implemented on an existing civil structure, for the purposes of structural clearance, a structural drawing and details of point and total loads (due to structure scheme), if any, must be submitted, along with the technical bid, so that CeNSE can obtain engineering clearance from Institutional authorities.

# Section 5- Technical Bid

The technical bid should furnish all requirements of the tender along with all annexures in this section and submitted to

The Chairperson,  
Centre for Nano Science and Engineering  
Indian Institute of Science  
Bengaluru – 560012, India

Attn: N S Maanjunatha

## 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:

## Annexure-2:

Declaration regarding experience

To,  
The Chairperson,  
Centre for Nanoscience and Engineering,  
Indian Institute of Science,  
Bengaluru – 560012, India

Ref: Tender No: XXXXXXXXXX

Dated: XXXXX

Supply, Installation, Testing and Commissioning of General Exhaust to CeNSE Labs in IDR Building,  
IISc Bengaluru

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 the Supply, Installation, Testing and Commissioning of General Exhaust Systems.

(Signature of the Bidder)

Printed Name

Designation, Seal Date:

## Annexure-3:

Declaration regarding track record

To,  
The Chairperson,  
Centre for Nano Science and Engineering  
Indian Institute of Science,  
Bengaluru – 560012, India

Ref: Tender No: XXXXXXXX

Dated: XXXXX

Supply, Installation, Testing and Commissioning of General Exhaust to CeNSE Labs in IDR Building,  
IISc Bengaluru

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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(NOTE: In case the company / firm was blacklisted previously, please provide the details regarding period for which the company / firm was blacklisted and the reason/s for the same).

Yours faithfully  
(Signature of the Bidder)

Name  
Designation, Seal

Date:

## Annexure – 4:

Declaration for acceptance of terms and conditions

To,  
The Chairperson,  
Centre for Nano Science and Engineering  
Indian Institute of Science,  
Bengaluru – 560012, India

Ref: Tender No: XXXXXX  
Dated: XXXX

Supply, Installation, Testing and Commissioning of General Exhaust to CeNSE Labs in IDR Building,  
IISc Bengaluru

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 the technical bid.
3. Bidders should clearly indicate compliance or non-compliance of the technical specifications provided in the tender document.



## Annexure – 6:

**\*(To be submitted In the company letter head by supplier)**

### **Declaration Of Local Content by Local Supplier**

Subject: Public Procurement (Preference to Make In India)

We hereby declare with reference to above subject and references that M/s----- (Tick whichever is applicable as below)

"Class-I local supplier" meeting the requirement of minimum local content equal to 50% (fifty percent) or more defined in the above government notification for the goods and services

(or)

"Class-II local Supplier" meeting the requirement of local content 20% to less than 50% (fifty percent) defined in the above government notification for the goods and services

(or)

Non Local supplier (If not belonging to Class-I & Class-II)

Please mention the details against the following:

Enquiry no:..... dated.....

Type of Supplier (Class-I/Class-II) .....

Product:

Project:.....

Details of location at which local value addition will be made is as follows:

We also understand that the false declarations will be in breach of the code of Integrity under rule 175(1)(i)(h) of the General financial rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Authorized Signature M/s.....  
(Signature and seal)

Place:.....

Date:.....

# Section 6: Commercial Bid

The commercial bid should be furnished with all requirements of the tender with supporting documents as mentioned and please provide the itemized cost of the system and required accessories for the items mentioned in the technical bid

S.No	Description	Cat. Number (If any)	Quantity	Unit Price	Sub total

Addressed to

The Chairperson,  
Centre for Nano Science and Engineering  
Indian Institute of Science  
Bengaluru – 560012, India

Attn: N S Maanjunatha

# Section 7 – Checklist

(This should be enclosed with technical bid- Part A)

**The following items must be checked before the Bid is submitted:**

## 1. Sealed Envelope “A”: Technical Bid

- Section 5- Technical Bid (each page signed by the authorized signatory and sealed) with the below annexures:**
  - Annexure 1: Bidders details**
  - Annexure 2: Declaration regarding experience**
  - Annexure 3: Declaration regarding clean track record**
  - Annexure 4: Declaration for acceptance of terms and conditions**
  - Annexure 5: Details of items quoted**
  - Annexure 6: Declaration Of Local Content by Local supplier**
- Copy of this tender document duly signed by the authorized signatory on every page and sealed.**

## 2. Sealed Envelop “B”: Commercial Bid

### Section 6: Commercial Bid

Your quotation must be submitted in two envelopes: **Technical Bid (Envelope A) and Commercial Bid (Envelope B)** super scribing on both the envelopes with Tender No. and due date and both of these in sealed covers and put in a bigger cover which should also be sealed and duly super scribed with Tender No., Tender description & Due Date.