

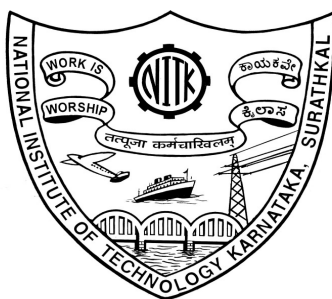
# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

## DEPARTMENT OF CHEMISTRY

POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000.  
E- mail: [info@nitk.ac.in](mailto:info@nitk.ac.in)

Fax: (0824) 2474033  
Website: <http://www.nitk.ac.in>



## TENDER DOCUMENT

Tender Notification. No. **IRG/CY/SD/Lab Fumehood/2019-20** Dated September 23, 2019

<b>Name of Goods</b>	<b>: Laboratory Fumehood (Count 03)</b>
Estimated amount put to Tender	: Rs 7.5 lakhs
E M D Amount	: Rs 15,000
Time for Supply of item after release of Purchase order	: 30 Days.
Last Date for submission of tender	: October 23, 2019 <b>before 3.00 PM</b>
Address for Submission of Tender	: To the HOD, Department of Chemistry, NITK Surathkal, Mangalore 575025, Karnataka E-mail: <a href="mailto:sdutta@nitk.edu.in">sdutta@nitk.edu.in</a> ; Ph. 7899495023
Date of opening of technical bid	: October 24, 2019 at 3.30 PM (if possible)



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**Tender Notification No : IRG/CY/SD/Lab Fumehood/2019-20**

**Date: September 23, 2019**

**NOTICE INVITING TENDER (NIT)**

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an autonomous body under Ministry of HRD Govt. of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Tenders are invited for the following items in **two cover system** (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or its authorized dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened on the same day if possible, in the presence of bidders or their authorized agents who may choose to be present. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

1. **Name of Goods** : **Laboratory Fumehood (Count 03)**
2. **Estimated Cost** : **Rs 7,50,000 (Rupees Seven Lakhs and Fifty Thousand)**
3. **E M D** : **Rs 15,000 (Rupees Fifteen Thousand)**
4. **Time for completion of Supply after**
5. **Placing Purchase Order** : **30 Days**
6. **Last date at time for submission of Tender** : **October 23, 2019 before 03:00 PM**
7. **Tender to be submitted at the following address:**  
To the HOD, Department of Chemistry, NITK, Surathkal, Mangalore 575025, Karnataka.  
E-mail: [sdutta@nitk.edu.in](mailto:sdutta@nitk.edu.in); Ph. 7899495023
8. **Place, Date and Time of opening of technical bid:**  
Date: October 24, 2019                      Time: 3:00 pm                      VENUE: Boardroom

Note: Institute shall not be responsible for any postal delay about non-receipt /non delivery of the bids or due to wrong addressee.

**[Signature of HOD With Seal]**

**Dr. ARUN M. ISLOOR**  
Professor & Head  
DEPARTMENT OF CHEMISTRY  
National Institute of Technology Karnataka  
Surathkal, Srinivasnagar  
MANGALORE - 575 025, D.K., INDIA

## **SECTION 1 : INSTRUCTION TO BIDDER (ITB)**

### **1. The bid should be submitted in two cover system-Technical Bid and Financial Bid:**

**1.1 Envelope No.1 – Technical Bid:** The agencies should give details of their technical soundness and provide list of customers of previous supply of similar items to Universities, Institutes or Government Departments/ Undertakings/ public sectors with contact details. The details of the agency/ profile should be furnished along with the copy of all related documents. This envelope should be sealed and duly super-scribed as “**Envelope No. 1 – Technical Bid**”. Full name and address of the agency should also be mentioned on envelope and should be addressed to The Director, NITK, Surathkal.

### **1.2. Documents to be submitted in the technical bid:**

- a) The agency should possess Licence certificate for manufacture /supply of the item.
- b) List of Owner/partners of the firm and their contact numbers
- c) The agency should possess Income tax PAN number.
- d) The agency should possess GST registration and TIN number.
- e) Catalogue of the Product with detailed product specifications.
- f) List Service Centres
- g) List of customers with contact details.
- h) The average annual turnover should not be less than 30% of the estimated cost put to tender/quotation for the job work. The copy of the Balance sheet, Profit & Loss A/c., Trade or Manufacturing A/c for the last 3 years should be enclosed
- i) **Warranty Period Offered for the tendered item to be specified. If the Warranty period is not conforming to the schedule of requirements given in section 3 of the document, the bid is liable to be treated as non-responsive and rejected.**
- j) **EMD in original form valid for minimum six months, through Bank Guarantee only drawn on any scheduled bank in favour of “Director NITK, Surathkal”, payable at Surathkal should be submitted. EMD shall bear no interest. Any bid not accompanying with EMD is liable to be treated as non-responsive and rejected.**
- k) **Contract form given in section 5 need to be submitted.**

**The above documents should be furnished in the technical bid envelope.**

**2. Envelope No.2 – Financial bid:** The agencies should submit their financial bid as per the format given in Section 4 of the Notice Inviting Tender in this cover. The rate should be quoted both in words and figures. All the pages of the financial bid should be signed affixing the seal. All corrections and overwriting should be initialled. This envelope should be duly superscribed as “**Envelope No. 2 – Financial bid**”. Full name and address of the agency should also be mentioned on the envelope and should be addressed to The Director, NITK, Surathkal.

**Both the Envelope No. 1 and 2 should be kept in another separate envelope duly superscribed with the following details.**

**(i) Tender Notification Number (ii) "Tender for the supply of..."., (iii) Not to Open before (Date and Time)**

**Mention “Kind Attention: Contact Person’s Name and Phone Number”, and submit at the address given in the Notice Inviting Tender.**

- 3 The tender will be acceptable only from the **manufacturers or its authorised supplier.**
4. The Institute **reserves the right to visit to the factory** before or after issue of supply order to satisfy itself regarding quality of production. In case of any remarks /default noted, the EMD will be forfeited even if pre-qualified.
5. **The Financial bid shall be in the format of Price Schedule given in Section 4. The Contract form as per format given in section 5 shall be submitted. Incomplete or conditional tender will be rejected.**
6. Details of item to be carried out, approximate quantity and the specifications are mentioned in **“Section 3”** appended to this Notice Inviting Tender.
7. **The item to be used is strictly according to the specification and subject to test by the institute/concerned authorities. It must be delivered and installed in good working condition.**
8. The Institute **reserves the right to cancel or reduce the quantity** included in the schedule of requirements at any time after acceptance of the tender with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
9. **Performance Security of 5 % of contract value in terms of Bank Guarantee by scheduled banks shall be given by the successful bidder for the total period of Warranty.**
10. **Release of EMD:** The EMD shall be released after receipt of performance security from successful bidder.
- 11 **Validity of bids:** The rate quoted should be valid for a minimum of 90 days.  
No claim for escalation of rate will be considered after opening the Tender.
12. **Imports: In case, Goods are to be imported, the Indian agent should furnish authorisation certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.**
13. Clarification of Tender Document:  
A prospective bidder requiring any clarification of the Tender Document may communicate to the contact person given in this notice inviting tender. The contact person will respond to any request for clarification for the Tender Document received not later than 5 working days prior to the last date for the receipt of bids
14. Amendment of Tender document: At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Tender document by an amendment.
15. **Institute may at its own discretion extend the last date for the receipt of bids.**

16. The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.

17. The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Institute Purchase Committee is final in all matters of tender and purchase.

18. The bidder should give the following declaration while submitting the Tender.

**DECLARATION**

I/we have not tampered/modified the tender forms in any manner. In case, if the same is found to be tampered/modified, I /we understand that my/our tender will be summarily rejected and full Earnest money deposit will be forfeited and I /we am/are liable to be banned from doing business with NITK, Surathkal and / or prosecuted.

**Signature of the Bidder :** \_\_\_\_\_

**Name and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_  
\_\_\_\_\_

**Place :**

**Date :**

**Seal of the Bidder's Firm**

19. Any other details required may be obtained from the contact person given in the notice inviting tender during the office hours.

## **SECTION 2 : CONDITIONS OF CONTRACT.**

1. The rates should be quoted for preferably FOR destination from supply within India.
2. In case of import both CIF and/ or FOB rate should be quoted. All components of expenditure to arrive at Bangalore need to be explicitly specified.
3. The bidder shall indicate the excise duty exemption for the goods if applicable.
4. The institute is eligible for customs duty exemption, excise duty exemption.
5. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any.
6. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
7. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier. **In case of Imports, the payment will be made through LC / Sight Draft / After Installation, and performance security need to be submitted at the time of LC commitment / issue of sight draft.**
8. Guarantee and Warrantee period should be specified for the complete period conforming to the section 3 of this tender document.
9. Period requirement for the supply and installation of item should be specified conforming to the section 3 of this tender document.
10. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

### **SECTION 3 : SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS**

[To be filled up by the Department / Center of NITK, Surathkal]

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Item(s) Name to be Procured	: Laboratory Fumehood
Type (Equipment / Software / Furniture / Others)	: Equipment
Brief Specifications of the Item(s) (Attach Additional Sheet if necessary)	: Specifications Attached
Quantity	: Three (03)
Any other details / requirement	: NA
Warranty Period required	: Three Years
Delivery Schedule expected after release of Purchase order (in Weeks)	: 30 Days
EMD (in Rupees)	: Rs. 15,000
Performance Security to be given by Successful Bidder after release of Purchase Order (in Rupees)	:

## SECTION 4 : PRICE SCHEDULE

[ To be used by the bidder for submission of the bid ]

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1.	Item Name	:
2.	Specifications (Conforming to Section 3 of Tender document- Enclose additional sheets if necessary)	:
3.	Currency and Unit Price	:
4.	Quantity	:
5.	Item Cost (Sl. No. 3 * Sl. No. 4)	:
6.	Taxes and Other Charges (i) Specify the type of taxes and duties in percentages and also in figures. (ii) Specify Other Charges in figures.	:
7.	<b>Warranty Period</b> <b>(Conforming to the Section 3 of</b> <b>Tender document- This should be</b> <b>mentioned in technical bid also in</b> <b>order to get qualified for financial bid)</b>	:
8.	Delivery Schedule (Conforming to the Section 3 of Tender document	:
9.	Name and address of the Firm for placing purchase order	:
10.	Name and address of Indian authorized agent (in case of imports only)	:

**Signature of the Bidder :** \_\_\_\_\_

**Name and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_

**Place :**

**Date :**

**Seal of the Bidder's Firm**



**SECTION 5 : CONTRACT FORM**

[ To be provided by the bidder in the business letter head]

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1. (Name of the Supplier's Firm) hereby abide to deliver the by the delivery schedule mentioned in the section 3 tender document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

**Signature of the Bidder :** \_\_\_\_\_

**Name and Designation :** \_\_\_\_\_

**Business Address :** \_\_\_\_\_  
\_\_\_\_\_

**Place :**

**Date :**

**Seal of the Bidder's Firm**

## Detailed specifications of fume hood Specifications

Laboratory Fume Hoods will be utilized as primary means of protection from inhalation of hazardous vapors during handling of chemicals in non-AC laboratories. Fume hoods should be properly functioning to ensure the health and safety of laboratory personnel from hazards of chemical vapors and other harmful airborne substance. So, the fume hood should have been designed as per international standard and should pass international tests for its quality.

### (a) FUME HOOD

<b>Dimension</b>	1800L × 900W × 1500H in mm
<b>Bed Size</b>	1500 x 760 in mm
<b>Construction</b>	The main body of the Fume Cupboard is made of powder coated (e.g. epoxy) stainless steel or similarly strong and rigid structure which is acid, alkali, and solvent resistant. The inside of the cupboard should be made of fibre reinforced plastic lining. It should be fitted with a sliding door made of polycarbonate sheet, moves vertically up and down adjustable with counter balanced weight system. The panel should be of thickness > 15 mm. Material used should have chemical and fire resistance, smooth finish, easily cleanable and good strength. The baffle should be able to handle heavy fumes and adjustable to changing conditions. The blower should be made of corrosion-resistant materials and the suction capacity should be commensurate with 100 FPM face velocity. Beneath the working area, provisions for drawers and closed storage area should be there for locking system of the unit. There should be fire-resistant electrical sockets and switches on the exterior of the fume hood. Air-flow monitor system should be there with flashing light and audible alarm in case of low flow. The lighting arrangements in the fume hood should be serviceable without major disassembly.
<b>Door</b>	Sliding door made of polycarbonate sheet that moves vertically with counter balanced weight system. It should be adjustable at various heights.
<b>Powered by</b>	Capacity 1HP, 2800 RPM, TEFC 3 phase direct drive of reputed make Motor of continuous rating as per IS. The air flow should be according to Automatic By-pass model in a Non-AC lab.
<b>Ducting</b>	A blower exhaust system made of fibre reinforced plastic should be fitted on the top of the working area that is able to generate negative pressure within the

	hood to prevent the fume escaping into the room.
<b>Coupling</b>	Direct
<b>Suction Expected</b>	Face air velocity 100 FPM (feet per minute) with open sash
<b>Colour</b>	Preferably Grey.
<b>Flooring</b>	Working top of the Fume Cupboard should be made of Granite (>15 mm thick).

**AMENITIES (needed):**

Lighting	1 No. of fluorescent tube light of 20 watt with vapor-proof fitting for proper illumination should be provided. The assembly should be easily accessible and replaceable.
Electrical Arrangement	It should have <b>4 No's.</b> electrical sockets and switches of (230V, 15/5A, 50Hz) of reputed make. MCBs with blower switch carrying built in starter and light switches in the exterior.
Sink & Water Tap	1 No of FRP Sink (12" × 10") of high quality with single way water tap should be provided