



NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI - 620 015

DEPARTMENT OF CHEMISTRY
NOTICE INVITING QUOTATION

File No.	NITT/F.NO.031/CAPEX/2021-22/CHY	Date:	23.12.2021
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To

(Supplier Address)

Sealed quotations are invited from reputed Authorized Dealers / manufacturers for the supply of the Items.

Name of the Item	:	Fume Hood
Quantity Required	:	1
Specification	:	(As per enclosed Schedule Annexure – I)
1. Quotation Reference No.	:	NITT/F.NO.031/CAPEX/2021-22/CHY
2. Last date and Time for receipt of quotation	:	12.01.2022 before 4.30 PM
3. Date & Time of opening of Quotation	:	13.01.2022 at 03.00 PM
4. EMD Amount	:	Bid Security Declaration form to be Submitted
5. Validity (Days)	:	90 Days
6. Address to which quotations are to be sent	:	The Director, National Institute of Technology, Tiruchirappalli – 620 015, Tamil Nadu, India
Kind attention to	:	Dr. Jothi Lakshmi Nallasivam Dr. Baby Viswambharan
Phone	:	0431 250 3630
E-mail	:	babyv@nitt.edu baby.viswam@gmail.com

1. Quotations should be submitted in the format given in Annexure – I and Annexure-II
2. The envelope should contain the following details:

<p>“QUOTATION AGAINST ENQUIRY” (Fume Hood) NITT/F.NO.031/CAPEX/2021-22/CHY</p> <p><u>Kind attention to:</u> Dr. Jothi Lakshmi Nallasivam Dr. Baby Viswambharan</p> <p>Last date and Time for receipt of quotation : 12.01.2022 before 4.30 PM</p>
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Terms and Conditions:

1.	The quotation must be in the format furnished by NIT Tiruchirappalli and should be of typed format with proper signature of the authority, hand written rates and specification will not be accepted for evaluation. In case there is any unavoidable correction it should be clearly readable and properly attested. If not the quotation will not be considered. Hand written Quotation and incomplete will be rejected.
2.	a) Earnest Money Deposit (EMD) is to be submitted by way of Demand Draft drawn on any Nationalized bank in India in favor of "The Director, NIT, Tiruchirappalli" payable at Trichy. The bids submitted without EMD will be treated as non-responsive and will be rejected. EMD shall bear no interest. Bidder must fill the EMD returning Form (Annexure-III) and submit along with the quotation. EMD for this particular quotation is RS. 0/- b) EMD exemption will be given as per the GOVT of India norms. c) Canvassing by the Bidder in any form, unsolicited letter and post-tender correction will leads to rejection of the bid and result in forfeiture of EMD.
3.	You are invited to submit your most competitive quotation for the supply of goods according to the specifications, warranty, delivery and other terms as given by the NITT in the Specification annexure.
4.	Bidders may send the quotations in sealed covers with the quotation reference number and last date for receipt of quotations duly superscribed on the cover. Kind Attention to: as mentioned in the point No. 6 NB: Mention the company Contact Number / E-mail id on the cover.
5.	Quotation will be opened on 13.01.2022 At 03.00 PM at the Stores and Purchase Section, NIT, Tiruchirappalli in presence of the tenderers or their representatives who may wish to be present. (Any change in the date, time and venue of the quotation opening will be informed to the bidders through telephone / E-mail)
6.	The National Institute of Technology, Tiruchirappalli reserves the right to accept or reject any quotations, and to cancel the bidding process, and reject all quotations at any time prior to the award of order without assigning any specific reason thereof.
7.	Eligibility: Participation in this Limited tender is by invitation only. For any details / clarifications regarding could be obtained, free of cost, from the National Institute of Technology, Tiruchirappalli on all working days during 10 AM to 5 PM.
8.	Please quote whether your organization is large scale industry or small scale industry. If you have NSIC Certificate, please attach it to the quotation. Mention your registration details
9.	Manufacturer's name and country of origin of materials offered must be clearly specified. Printed brochures, Complete details and ISI specification if any must accompany the quotation. Make / brand of the item shall be stated wherever applicable. If you have got any counter offer as suitable to the material required by us, the same may be shown separately.
10.	Samples must be submitted where specified along with the quotations. Samples must be carefully packed, sealed and labelled clearly with enquiry number, subject and sender's name for easy identification. Rejected samples will be returned at bidders cost only.



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11.	All supplies are subject to inspection and approval before acceptance. Manufacturer / supplier warranty certificates and manufacturer / Government approved lab test certificate shall be furnished along with the supply, wherever applicable
12.	National Institute of Technology, Tiruchirappalli reserves the right to modify the quantity specified in this enquiry by +/- 25%.
13.	Bid Price a. The contract shall be for the entire quantity. Bidders must quote for entire quantity. Each bidder shall submit only one quotation in Indian Rupee only. b. List of reputed customers should be submitted, wherever applicable. c. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. d. All taxes, packing, forwarding and delivering other allied items at the destination shall be included in the price. All such price components may be shown in the quotation. If there is no indication regarding above charges. It will be considered as inclusive of all charges. e. In case of any discrepancy between unit price and total, the unit price shall prevail. f. In case the items in the enquiry are covered by any rate contract or any other state or central Government, it should be specified in your quotation and accepted contract rates should also be mentioned. It should be confirmed whether you could supply at the RC rates outside rate contract g. Quotations containing conditions like "subject to prior sale" may not be considered. h. Delivery period required for supplying the material should be invariably specified in the quotation i. Offer from Manufacturer / Authorized dealer / reputed contractor alone will be accepted.
14.	Evaluation of quotations: Quotations will be evaluated item-wise or lump sum basis. The purchase committee will evaluate and compare the quotations determined to be substantially responsive i.e. (i) are properly signed; (ii) Conform to the terms & conditions and specifications; and (iii) price offered are competitive.
15.	Award of contract a. The National Institute of Technology, Tiruchirappalli will award the Order for supply of Goods / Services to the bidder whose quotation has been determined to be substantially responsive, and who has offered the lowest evaluated quotation price. b. The Bidder should furnish the contract agreement and performance security within 15 days from the date of receipt of the order for supply of goods / services, failing which the order will be cancelled without further notice and awarded to next eligible bidder. c. Notwithstanding the above, National Institute of Technology, Tiruchirappalli reserves the right to accept or reject any quotations, and to cancel the bidding process, and reject all quotations at any time prior to the award of order without assigning any specific reason thereof. d. National Institute of Technology, Tiruchirappalli, prior to the expiration of the quotation validity period, will notify the bidder whose bid is accepted for the award of contract. The terms of accepted offer shall be incorporated in the purchase order.
16.	Warranty: 36-60 Months shall be applicable to the supplied goods and installation work. Bidder should clearly indicate the arrangements for support and maintenance during the period for which the warranty shall be in force.
17.	Performance Security: The successful bidder need to submit performance security for an amount of Percentage 3% of purchase order value either in the form of bank guarantee or crossed demand draft drawn on any Nationalized bank in India in favor of "The Director, NIT, Tiruchirappalli" payable at Trichy. The bank guarantee / Demand Draft will be returned to the supplier after 60 days from date of successful completion of supply, installation, and the warranty period.



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Annexure- I

Specifications of the Equipment

Ref: NITT/F.NO.031/CAPEX/2021-22/CHY

Date:23.12.2021

S. No	Specification of NIT-T		Specification of the Supplier	
			Make	Model
1.	Specifications finalized by the Committee			
	1. Name of the Equipment / Goods	Fume hood	(No hand written)	
	2. Specification			
	Dimensions	1500 mm x 800 mm x 2400 mm		
	Available work area/internal dimensions	1325mm Width X 600mm Depth X 1500mm Height or bigger		
	Type of hood	Constant Bypass, Bench Top		
	Face Velocity range	Min 80 FPM to Max100 FPM with an accuracy of ± 10 FPM or better		
	Material of Construction of superstructure	ELECTRO GALVANIZED steel sheets. <ul style="list-style-type: none"> ➤ 1.2 mm (18 Gauge) thickness for all sheet metal paneling. ➤ Frame work with special reinforcement provided for additional structural strength with 60 x 40 x 2 mm thick support frame 		
	Powder coating	Pre-treated with 7 tank chemical processes and powder coated with highly chemical resistant epoxy Colors having dry film thickness of 70 to 80 microns		
	Interior Construction	Made out of 6 mm thick Trespa Solid Grade laminate "Electron Beam Cured" surface free of melamine resins which is Chemical & Heat Resistant, Fire Retardant, Smooth Finish and Easily Cleanable Panels. ASTM flame spread index < 25		
Baffle	Made out of 6 mm thick Trespa Solid Grade laminate made "Electron Beam Cured" surface free of melamine resins which is Chemical & Heat Resistant, Fire Retardant,			



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		Smooth Finish, and Easily cleanable Panels. ASTM flame spread index < 25
Work bed		Chemical resistant splash & spillage proof dished 16 mm thick Trespa Top Lab Plus Solid Grade laminate “Electron Beam Cured” surface free of melamine resins which is Chemical & Heat Resistant, Fire Retardant, Smooth Finish, and Easily cleanable Panels. ASTM flame spread index < 25. Should be dished type, on all 4 sides, having a thickness of 30mm to contain chemical spillage from all sides.
Sash (Shutter)		<p>Toughened glass having a breaking stress value of 24,000 psi sash (6mm thick) having full view.</p> <p>Vertical rising sash counter – balanced with sleeved wire ropes, pulley and counter-weight system. Smooth and light sash operation even with a light pressure.</p> <p>Clear sash opening height maintained to 700 mm.</p> <p>Sash will have Combined vertical and horizontal operation. There will be three horizontal sliding glass.</p> <p>Sash stops shall be provided to prevent the sashes being accidentally opened above the standard opening height.</p> <p>These stops shall be capable of being temporarily overridden by the user to allow tall equipment to be loaded into the fume cupboard.</p>
Water Outlet Nozzle, Sink, with drain arrangement and Gas outlet		<p>Water outlet nozzle should be on the right-side back end of worktop which needs to be remotely controlled. Worktop shall have an oval shaped 200 x 100mm Cup Sink made of PP fixed on with Drawing Line up to 1-2 Meter Length to nearest Drawing Point with drainage.</p> <p>Gas Outlet also shall be on the right side further near to the front corner post.</p>
Internal nozzles		Brass powder coated fittings and/or PP fittings. The taps are tapered in shape to use with flexible tubing to provide greater flexibility.
Blower		For maximum corrosion resistance, Polypropylene molded Centrifugal Blower with min suction capacity of (1400 to 2800 cfm) with curved balanced impeller including suitable clamp adapter, with Direct Driven TEFC Motor (max. up to 1 HP) foot mounted 3 phases to be provided. The motor shall be rated according to the conditions on site. The performance should be in accordance with AMCA 210-85 and ISO 5801. The noise levels during the operation shall



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		not be more than 65 DB at a distance of 1 Meter from the Fume Hood Sash Level. Make of blower should be either from SEAT Ventilation France/Plastifier Italy/AXAIR Fans UK/Good quality FRP Indian make.	
	Exhaust Collar	Exhaust collar design is aerodynamic and it ensures that without any turbulence at the exhaust port, the fumes will be exhausted smoothly.	
	Scaffolding	4'x4' height and width made of PP or Epoxy rods will be provided on to the internal liner clamped with the clamps that the lab technician can hold the test samples and rotors within the fume hood, place tubing, wiring, vessels, or equipment inside the work area so they are securely held in place and do not interfere with other work.	
	PP FRP Ducting (Approx. 7 m)	PP-FRP ducting using 2.5/3mm thick PPGL sheets 3 mm thick FRP lining using isothelic resin including flanges & bends, gasket, bird mesh, rain cover, inside lab duct support includes threaded rod, clamps, anchor fasteners, washer nuts and bolts.	
	Exhaust Out from Storage Base Cabinet	A connection to the main exhaust duct is given to maintain air circulation, provided from each cabinet with 50mm dia. PP pipes	
	Electrical Utilities	3 x 2 /16 amps sockets universal type with tiny trip - Northwest make or better	
	Lighting	1 x LED lighting of 200 Lux- Philips make or better provided in separate protective sealed chamber inside.	
	AMC	AMC charges (with details of number of visits and other terms & conditions), year wise , for next five years after completion of warranty period.	
Reasons (if there is difference in specification)			
1.			
2.			



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S.No	Other requirements related to the equipment	NITT Requirement	Supplier commitment
1.	Installation required	Yes	
2.	Warranty (in Month)	36 -60 Months	
3.	Comprehensive AMC required	No	
4.	Delivery Period (Weeks)	6 Weeks	
5.		Shipment terms	At NIT-T
6.		Performance Security in %	3%
7.		Payment Terms	100% Payment after satisfactory delivery/Installation
8.		EMD Amount (2 to 5)%	Nil – Bid security declaration form to be submitted

Signature & Seal of Vendor with Date

Note:

Specification of the Supplier should be given in detail, single word confirmation like Complied / Yes / same will be treated as non - responsive Bid and summarily rejected.

Proof for the supplier's specification must be enclosed along with the quotations. (catalogue, brochure, and product website link if any)



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Annexure- II

PRICE BID FORMAT FOR BIDDERS

Quotation reference No. & Date : NITT/F.NO.031/CAPEX/2021-22/CHY

Bidder's Offer No. & Date :

S. No.	Description of item	Unit (Set / No)	QTY	Rate / Qty in Rs. (excluding GST)	GST in Rs.			Total Value + GST in Rs.
					SGST	CGST	IGST	
1.	Supply portion (The price indicated shall be exclusive of all accessories, spares etc. as given in the scope of supply)	<u>Nos</u>	<u>1</u>					
2.	Other accessories / spares etc. as given in scope of supply (Individual item-wise break-up price shall be attached as an annexure to this price bid format.)							
3.	Installation and Commissioning (extra, if any)	<u>YES</u>						
4.	Packing & Forwarding charges (extra, if any)							
5.	Freight & Transit insurance charges, extra, if any							
6.	Total price							
7.	Value of Annual Maintenance Contract							
8.	Net cost to be paid by NIT-T							

Signature & Seal of Vendor

Note: The price quoted should be in Typed format only as per the above form. Hand written quotes will be rejected. No row shall be left blank, Kindly mention NA in case the item is "Not Applicable". If this format is not used or any column is left blank, then the bid will be rejected. AMC Value will not consider for arriving L1 bidder.



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PROCESS COMPLIANCE/ACCEPTANCE OF TENDER CONDITIONS FORM

**The Director,
National Institute of Technology,
Trichy – 15**

Sub : Acceptance to the Process related & Terms and Conditions for the-Limited-tendering
Ref. : The Terms & Conditions for Limited-Tendering mentioned in tender
No. : _____

Sir,

We hereby confirm the following.

The undersigned is authorized representative of the company. We have carefully gone through the NIT Tiruchirappalli, Tender Documents and the Rules governing the Limited Tender along with this document. We have examined and have no reservations to the Bidding Documents, including addendum (if any). We offer to supply in conformity with the Bidding Documents and in accordance with the condition of contact, specified in this tender document. We will honour the Bid submitted by us during the Limited Tender. We give undertaking that if any mistake occurs while submitting the bid from our side, we will honour the same.

Bid Securing Declaration: - We accept that if we withdraw or modify Bids during the period of validity, or if we are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline defined in this bids document, we will be suspended for the period of 01 year from being eligible to submit Bids for contracts with National Institute of Technology, Tiruchirappalli.

We are aware that if NIT Tiruchirappalli has to carry out e-tender again due to our mistake, NIT Tiruchirappalli has the right to disqualify us for this tender. We confirm that NIT Tiruchirappalli shall not be liable & responsible in any manner when refloatal unforeseen circumstances etc. Our bid shall be valid for the period from the date fixed for the bid submission deadline, and it shall remain binding upon us and accepted at any time before the expiration of bid validity period as per this tender.

If our bid is accepted, we commit to provide a performance security at 3% in Bank Guarantee /Fixed Deposits for due performance of the contract as per NIT Tiruchirappalli policy and warranty-guarantee as per tender specification or agrees as per contract. We understand that this bid, together with your written acceptance thereof included in your notification of award/placement of order, shall constitute a binding contract between us. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive. We accept that the competent authority in NIT Tiruchirappalli will have full right to reject any/all offer(s) without assigning any reason thereof and does not bind itself to accept the lowest or any other tender and full authority to postpone the tender issue date, submission /opening date or to alter any other condition of tender /cancellation of this tender, as per policy/committee recommendations of NIT Tiruchirappalli at any stage without assigning any reason thereof for which no claim from whomsoever will be entertained. I/We the undersigned have read the entire terms and conditions of this Tender document and we are fully agreeable to the terms and conditions mentioned herein. The decision of competent authority of NIT Tiruchirappalli with respect to this Tender-Result will be fully agreeable and binding on us.

This letter can be treated as signed and acceptance copy of tender documents and the forms submitted as signed by competent authority of firm submitting this tender and there is no need to submit separate signed copy of tender document.

Competent Authority of the Firm/Company/Enterprises to sign:

Name
Designation
Contact Details

Date with stamp & seal of organization:



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(TO BE PRINTED IN LETTER PAD OF THE FIRM)

Annexure – IV

MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

Date: / /

To

The Director,
National Institute of Technology,
Tiruchirappalli – 620 015, Tamil Nadu

Sub	:	Authorization for release of payment / dues from National Institute of Technology, Tiruchirappalli through Electronic Fund Transfer/RTGS Transfer.
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1. Name of the Party / Firm / Company / Institute :
2. Address of the Party :
3. City _____ Pin Code _____
4. E-Mail _____ Mobile No: _____
5. Permanent Account Number _____
6. Particulars of Bank:

Bank Name:		Branch Name:	
PIN Code:		Branch Code:	
IFS Code:(11 digit alpha numeric code)			
Account Type	Savings	Current	Cash Credit
Account Number:			

DECLARATION

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold Director, National Institute of Technology Tiruchirappalli responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

Place: _____ Date: _____

Signature & Seal of the Authorized Signatory of the Party