



NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI - 620 015

DEPARTMENT OF MECHANICAL ENGINEERING

**NOTICE INVITING QUOTATION**

File No.	NITT/F.NO.065/CAPEX/2021-22/MEC	Date:	20.01.2022
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To

(Supplier Address)

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

<b>Name of the Item</b>	:	<b>Fused Filament Fabrication Setup</b>
<b>Quantity Required</b>	:	1
<b>Specification</b>	:	(As per enclosed Schedule Annexure – I)
1. Quotation Reference No.	:	NITT/F.NO.065/CAPEX/2021-22/MEC
2. Last date and Time for receipt of quotation	:	9.02.2022 before 4.30 PM
3. Date & Time of opening of Quotation	:	10.02.2022 at 03.00 PM
4. EMD Amount	:	<b>Rs. 1,704/- ( 2%)</b>
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
<b>Kind attention to</b>	:	<b>Dr. V. Arul Mozhi Selvan</b>
Phone	:	0431-2503417
E-mail	:	arulmozhi@nitt.edu

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

<p><b>“QUOTATION AGAINST ENQUIRY” (Fused Filament Fabrication Setup) NITT/F.NO.065/CAPEX/2021-22/MEC</b></p> <p><b>Kind attention to: Dr. V. Arul Mozhi Selvan</b></p> <p><b>Last date and Time for receipt of quotation : 9.02.2022before 4.30 PM</b></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. <b>Rs. 1,704/-</b> 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. <b>Kind Attention to: as mentioned in the point No. 6</b> NB: Mention the company Contact Number / E-mail id on the cover.
5.	Quotation will be opened on <b>10.02.2022</b> 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.	<b>Eligibility:</b> 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.
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



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12.	National Institute of Technology, Tiruchirappalli reserves the right to modify the quantity specified in this enquiry by +/- 25%.
13.	<b>Bid Price</b> <ol style="list-style-type: none"><li>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.</li><li>List of reputed customers should be submitted, wherever applicable.</li><li>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.</li><li>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.</li><li>In case of any discrepancy between unit price and total, the unit price shall prevail.</li><li>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</li><li>Quotations containing conditions like "subject to prior sale" may not be considered.</li><li>Delivery period required for supplying the material should be invariably specified in the quotation</li><li>Offer from Manufacturer / Authorized dealer / reputed contractor alone will be accepted.</li></ol>
14.	<b>Evaluation of quotations:</b> 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.	<b>Award of contract</b> <ol style="list-style-type: none"><li>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.</li><li>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.</li><li>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.</li><li>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.</li></ol>
16.	<b>Warranty: 12 Months</b> 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.	<b>Performance Security:</b> The successful bidder need to submit performance security for an amount of Percentage <b>3%</b> 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.
18.	<b>Payment:</b> 100% will be paid after Installation and satisfactory working/date of completion of service if the documents are in order. The bill should be raised in favor





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DEPARTMENT OF MECHANICAL ENGINEERING

Annexure- I

Specifications of the Equipment

Ref: NITT/F.NO.065/CAPEX/2021-22/MEC

Date: 20.1.2022

S. No	Specification of NIT-T			Specification of the Supplier
1.	Specification	Technology	FFF (Fused Filament Fabrication)	Model  (No hand written)
	Build Size		200 mm X 200 mm X 300 mm (XYZ)	
	Mechanism		Mendel XY	
	Extruders		1 (2 Optional)	
	Direct Drive Extruder		Direct BMG Dual Drive Extruder	
	Heated Bed		Yes - 120°C	
	Head A Temperature		260°C	
	Head B Temperature		Optional	
	Nozzle size		0.4mm to 1.0 mm	
	Position Accuracy		X, Y – 0.01mm & Z – 0.02mm	
	Supported Materials		Regular Polymers: PLA, ABS, PETG, HIPS, ASA, PVA, Wood, Metallic, Carbon Fibre, PMMA. TPU Special polymers: Graphene, Drylin C210, Drylin J260, Drylin	



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			I150-PF	
	Enclosure Material		PMMA	
	Bed leveling		Kinematic bed leveling	
	Safety system		Firmware restricted, Automated Printer calibration checks	
	Display		5" Panel due Display	
	Controller		Duet WiFi - 32 Bit, Trinamic2660 stepper drivers	
	Connectivity		WiFi& Web Interface	
	Operating Firmware		REPRAP	
	Power Consumption		360W	
	Printer Enclosure		Acrylic Wall	
	Spares		Extruder Nozzle, Nozzle Cleaner, Cleaning Tools, Allen Key	
	Slicing Software		Simplify 3D, Single user license, Lifetime User support	
	Printing Filaments		PLA, ABS	

**Reasons (if there is difference in specification)**

1.	
2.	



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<b>S.No</b>	<b>Other requirements related to the equipment</b>	<b>NITT Requirement</b>	<b>Supplier commitment</b>
1.	Installation required	<b>Yes</b>	
2.	Warranty (in Month)	<b>12Months</b>	
3.	Comprehensive AMC required	<b>No</b>	
4.	Delivery Period (Weeks)	<b>3 Weeks</b>	
5.		Shipment terms	<b>At NIT-T</b>
6.		Performance Security in %	<b>3%</b>
7.		Payment Terms	<b>100% Payment after satisfactory delivery/Installation</b>
8.		EMD Amount (2 to 5)%	<b>Rs. 1,704/- ( 2%)</b>

**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)

**NATIONAL INSTITUTE OF TECHNOLOGY****TIRUCHIRAPPALLI - 620 015****DEPARTMENT OF MECHANICAL ENGINEERING****Annexure- II****PRICE BID FORMAT FOR BIDDERS**

Quotation reference No. &amp; Date : NITT/F.NO.065/CAPEX/2021-22/MEC

Bidder's Offer No. &amp; 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.	<b>Supply portion</b> (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.	<b>Net cost to be paid by NIT-T</b>							

**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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**(TO BE PRINTED IN LETTER PAD OF THE FIRM)**

**EMD Returning Form**

To  
The Director  
National Institute of Technology,  
Tiruchirappalli – 620 015

Sub: Returning EMD amount

Sir / Madam,

Our firm has participated in the tender / quotation enquiry No mentioned below and produced the EMD amount through DD, details of the DD are given below.

Tender / Quotation Reference No	
EMD amount	
DD Number	
DD issued Bank	
Date of DD	

It is requested to return the EMD amount to our firm after completion of the purchase to the below mentioned Bank account.

Account Name	
Bank Account Number	
IFSC code	
Bank	

**Signature with Seal and Date**



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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**