



**NIELIT CALICUT**  
 (Autonomous Scientific Society of Ministry of Electronics & Information Technology, Govt. of India)  
**NIT Campus Post, CALICUT-673 601, KERALA**  
 Email: [purchase@calicut.nielit.in](mailto:purchase@calicut.nielit.in) Web: <http://nielit.gov.in/calicut>  
 Phone: 0495-2287266

**LIMITED TENDER ENQUIRY**

Ref. No.: 2(1196)/2020-21/3DPAM/HS3DP

Date: 10.08.2020

To

**DUE DATE: 07.09.2020**

**TENDER OPENING DATE: 09.09.2020 TIME: 2:00 PM**

1. Quotations are invited for the supply of the items as per **Annexure-I**.
2. The quotations duly **SIGNED, SEALED AND SUPERSCRIBED ON THE ENVELOPE WITH THE REFERENCE No. AND DUE DATE**, should be addressed to the undersigned so as to reach on or before the due date stipulated above. Quotations received after the due date will not be considered.
3. Quotation will be opened at the above address on the date and time mentioned above. If this day becomes a holiday, the same will be opened on the next working day. The Tenderer or his authorized representative can be present during tender opening.
4. The quotations should be valid for acceptance for a period of **sixty days** from the due date
5. Quotations will not be accepted by Fax, Email or any such electronic data transfer form.
6. The quotations should be for goods exactly conforming to our requirements and specifications.
7. Relevant literature pertaining to the items quoted with full specifications and drawings, if any should be sent along with the quotations, wherever applicable. Samples, if called for, should be submitted free of charges and collected back at the supplier's expenses.
8. Copy of Manufacturing licence, Principal or Authorized Distributor/Dealer Certificate, and Proprietary Certificate, as applicable, should be enclosed.
9. Quotation should be for **free delivery** at our Centre and should clearly specify the **delivery period**. If delivery quoted is Ex-Godown/Consignor Station, delivery charges consisting of freight, packing & forwarding charges, insurance, etc. should be indicated separately. Goods should be supplied duly carriage paid and insured.
10. GST Registration Number of NIELIT Calicut is: **32AAATD0315M1Z6**. GST or any other taxes may be charged as per the rates applicable to Scientific/Educational institutions.
11. **Security Deposit @ 5% of the Purchase Order/Invoice value shall be retained, in case order/contract value exceeds Rs.1,00,000/- (Rupees one lakh), which will be released after the expiry of warranty period.**
12. Goods shall not be supplied without an official purchase order.
13. Payment: Payment will be made after completion of supply, installation/assembly and commissioning of the items covered by the order along with necessary spares supplied to the entire satisfaction of NIELIT CALICUT. Payment against invoices shall normally be made within 30 days of receipt and acceptance of equipment/materials at our office. **No advance payment will be made under any circumstance.**
14. Incomplete quotations and quotations which do not comply with all the above instructions are liable to be summarily rejected.
15. NIELIT CALICUT does not bind itself to accept the lowest or any such quotation and has the right to accept or reject whole or any part of tenders or a portion of the supply of goods without assigning any reasons. No correspondence in case of rejected tenders will be entertained.
16. **Earnest Money Deposit (EMD) for Rs. 61,250/-** be deposited by NEFT in the Bank Account No. 10401158037 (IFSC: SBIN0002207) at State Bank of India, NIT Calicut Branch, CREC Campus, Chathamangalam, Calicut – 673 601, in favour of Director, NIELIT CALICUT, failing which the quotation will be rejected. Proof of Deposit of EMD amount with Tenderer's Bank Account No. and IFSC No. should be submitted with the Quotation. Alternatively, the Tenderer may choose to submit EMD/Bid Security Declaration, as given in **Annexure-II**, subject to the conditions stipulated therein.

Yours faithfully,

  
 Purchase In-Charge  
 For Executive Director

Encl: Annexure

**ANNEXURE-I**

Your Quotation No.

Date:

1	Description of item(s)	High Strength Functional part 3D Printer	Quantity-1No.
2	<b>Specifications &amp; Quantity :</b> As per Specifications attached.		
3	Price per unit in Rs. (in figures & words)		
4	Total Price in Rupees (in figures & words)		
5	Delivery Period		
6	Terms of Delivery		
7	Taxes, Duties & any other statutory levies or charges		
8	Transportation, Insurance, Packing & Forwarding charges, if any		
9	Discount/off etc., if any		
10	GST Registration No.		
11	Payment Terms		
12	Validity of Tender		
13	Warranty		
14	EMD Amount and Payment details		
15	Bank Account No. with IFSC Code		
16	Any other remarks		
17	Signature of the Tenderer with Name and Date		
18	Address with Email ID & Mobile No.		
19	Central Public Procurement Portal ( <a href="http://www.eprocure.gov.in">www.eprocure.gov.in</a> ) Registration, Email login ID		

- NB:** (1) The prices quoted and Taxes charged should be Academic/Educational Prices/rates, wherever applicable.
- (2) Enquiry for the above items and specifications can also be downloaded from our website  
<http://nielit.gov.in/calicut> or [www.eprocure.gov.in](http://www.eprocure.gov.in)
- (3) Please register at [www.eprocure.gov.in](http://www.eprocure.gov.in) and intimate login details without fail. Watch website for regular updates.

*[Handwritten Signature]*  
10/08/20

**ANNEXURE-II**

**Undertaking for EMD**  
(on the letterhead of Organization)

Date: .....

To  
The Executive Director  
NIELIT  
NIT Campus P.O.  
Kozhikode – 673601  
Kerala

**Subject: Undertaking as per GFR–2017, Rule 170(iii).**

Dear Sir,

We, the undersigned, offer to supply ..... in response to your Tender No. .... dated ..... We are hereby submitting our Bid/Quotation for the same. As a part of eligibility requirement stipulated in the said Tender documents, we hereby submit a declaration in lieu of Earnest Money Deposit (EMD), as given below:

1. Our bid shall remain valid for 60 days from the date of submission and that we will not withdraw or modify our bid during the validity period.
2. In case, we are declared as successful bidder and an order is placed on us, we will submit the acceptance in writing within 7 days of placement of order on us.
3. In case, we are declared as successful bidder and an order is placed on us, we undertake, to submit a Security Deposit of 5% of the order value, as per terms stipulated in the Tender.
4. In case of failure on our part to comply with any of the above said requirements, we are aware that we shall be declared as ineligible for said Tender and/or debarred from any **future bidding process of NIELIT for a period of minimum two years.**
5. The undersigned is authorized to sign this undertaking.

Yours sincerely,

Authorized Signatory:  
Name and Title of Signatory (with seal):  
E-mail:  
Mobile No:

**TECHNICAL SPECIFICATIONS for high Strength functional part 3D printer**  
**Quantity – 1 No**

Description		Complied Yes/No
Specify Make and model no		
Technology	Fused Deposition Modelling / CFF – continuous Fiber Fabrication	
Printer	Should support plug-and-play electronics system Should be capable for firmware upgradation as per latest version 3.2” X 2” LCD Display and storage memory of minimum 1 GB	
Material Support	Component strength as per ASTM Minimum Tensile strength (ASTM D3039)600 Mpa Tensile strength – 500 Mpa Tensile modulus (ASTM D 3039)50Gpa IZOD Impact (ASTM D 256-10)2000+J/m Flexural strength D790 400+ Mpa Compressive strength D6641 300 + Mpa Flexural strength – 400 – through plastic or continuous reinforced fiber.	
Plastic material	Composite (Nylon mixed with Chopped carbon fiber) and Nylon	
Motion Control	Suitable Precision Ball Screws in Z-axis Precision Linear Bearing System in X, Y Axes	
Printing Speed	40 mm/sec (min) or Better (in X and Y plane)	
Duration of Continuous Operation	50 hrs. (min) or Better	
Nozzle	Nozzle should be capable of supporting the offered material type	
Extruders	Additional 01 sets to be supplied along with the m/c	
Filament Dia	Standard Dia should 1.75 mm (min)	
Resolution	100 microns or better	
Minimum Build Size	300 x 130 x 150 mm or more	
Build Platform	Heated/Non-Heated Bed with Auto levelling with flexibility to remove the bed during print and reposition to continue the print (Required for Metal insert, etc)	
Software	3d Printing host for slicing & Print preparation software with and printer management software solution Support STL / OBJ / VRML file formats Support Windows OS	
Power Requirements	Voltage : 230 V +/- 10% Frequency : 50 Hz Physical On/Off Switch	
Interface	USB 3.0 Ports (External), WLAN: Wi-Fi Capable or better	
Certification	CE /FCC certified	
Qualification	The complete installation and commissioning shall be carried out by the supplier at final destination/premises. A final acceptance test with the identified “Test Component” to be conducted by the Purchaser/Consignee and Supplier. Final acceptance would be given after conducting the acceptance test at the installation location.	
Raw materials to be supplied	Spool of 2Kg each for all supported typesThe material pricing should be included in the quote and shall be delivered on demand	

*Signature*

*Signature*

on demand	from NIELIT within the span of 3 years	
Manuals	User, Maintenance manuals to be supplied along with machine	
<b>Installation &amp; commissioning</b>	Transportation, Installation and commissioning at NIELIT, Calicut	
<b>Warranty</b>	Replacement warranty for 24 months for printer	
<b>AMC</b>	Quote separately for 1 year, 1&2 year and 1,2,& 3 years after warranty	
<b>Training</b>	Training: Two days complete operation and basic maintenance training for NIELIT staff	
<b>General</b>	Authorization certificate from OEM to be attached against inquiry	
	Bidder must have local office to provide supply of consumables & certified technical resource.	
	Bidder must quote for the printer plus the accessories needed (including software) separately for establishing a self-contained 3D printing facility.	
	Quote Educational pricing for the system & software	

  
10/08/20

  
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Sign of Authorized Signatory with Name & Seal