



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 Web: <http://nielit.gov.in/calicut>
Phone: 0495-2287266

LIMITED TENDER ENQUIRY

Ref. No.: 2(1198)/2020-21/ 3DPAM/3DSCANNER

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: SBIN002207) 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)	Hand held 3D Scanner	Quantity-1No.
2	Specifications & Quantity : 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 (www.eprocure.gov.in) 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
- (3) Please register at www.eprocure.gov.in and intimate login details without fail. Watch website for regular updates.

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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:

Hand held 3D Scanner Specification sheet Quantity : 1 set		Complied yes/No
Specify Make and model no		
General	<p>Portable 3D Scanning System should be Handheld and Light weight for ease of operation.</p> <p>Self-positioning without attaching to any machines or tracking systems like laser, optical etc</p> <p>Real time visualization of scanned surface i.e. direct mesh output from the scanning system</p> <p>The scanner should be capable of capturing colours and textures</p> <p>Results must be consistent across all Indoor/outdoor environmental conditions</p> <p>The system should be capable of scanning in dynamic position</p>	
Applications	<p>a) Inspection: 3D CAD Inspection, Color comparison, 2D inspection</p> <p>b) Reverse Engineering</p> <p>c) Prototype from 3D Printer</p>	
Scanning rate	5,50,000 measures or points /sec or better	
Scanning area	380 X 380 mm or better	
Measurement Resolution	0.25 mm or better	
Accuracy	0.25 mm or better	
Volumetric accuracy	0.5 mm/m or better	
Light Source	White Light(LED)	
Weight	Less than 1 kg	
Output File Formats	obj, .ply, .stl, .txt, .wrl, & others	
Standoff Distance	400 mm or better	
Depth of Field	250 mm or better	
Part Size range	0.3- 3 M or More	
Operating temperature	5°- 40°C or wider	
Operating Humidity range	10 to 90 % or wider	
Supplied software's	<p>1. Reverse Engineering (50 free network licence to be supplied for Reverse Engineering Software) Software should be a comprehensive solution for creating accurate and smooth polygonal models and NURBS surfaces from high-density point clouds and STL files. Software should be compatible enough to open and edit the STL file (generated by scanner) and generate the IGES file. Software should creating class A polygonal models for stringent polygonal manufacturing applications such as 3d printing, digital review, aerodynamic simulation, CAE/CFD analysis, milling etc. Software should also offer a powerful rapid surfacing methodology delivering most usable NURBS surfaces</p> <p>2. Inspection Software (50 free network licence to be supplied for Reverse Engineering Software) Software solution should use high-density point clouds and STL files obtained from 3D scanners to control the quality of parts and tools at</p>	

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	<p>every phase of manufacturing process.</p> <p>Inspection Software should be capable to measure parallelism, squareness, roundness, perpendicularity, taper, angle, diameter (outside & inside), profile radius, diameter at any particular section, co-ordinate distance, polar co-ordinate, contours etc.</p> <p>Inspection Software should generate Geometric dimension and tolerance analysis report manually as well as automatically.</p> <p>Inspection Software Should be capable to perform conformity assessment of 3D models against the original parts / production tooling with graphical representation of results with color coding as well as values with co-ordinates.</p> <p>All software to be quoted with Lifetime license with all patched & upgrades to be provided in warranty & AMC.</p>	
Supplied Work station	HP ZBook (or equivalent), Intel Core™ i7-6820MQ, NVIDIA Quadro P1000 graphics card, Windows® 10 Professional 64 bits, 15.6 in. diagonal LED FHD, anti-glare display, 32 GB 2133 DDR4, 1TB HDD, 3-year manufacturer's warranty (OR Better)	
Manuals	User, Maintenance manuals to be supplied along with machine	
Installation & commissioning	Transportation, Installation and commissioning at NIELIT, Calicut	
Warranty	Replacement warranty for 12 months for Hardware and 5years service support and software updates	
AMC	Quote separately for 1 year, 1&2 year and 1,2,& 3 years after warranty for the hardware	
Training	Training: Two days operation and basic maintenance training for NIELIT staff	
General	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 scanner plus the accessories needed (including software) separately for establishing a self-contained 3D printing facility.	
	Quote Educational pricing for the system & software	

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Sign of Authorized Signatory with Name & Seal