



NATIONAL INSTITUTE OF TECHNOLOGY,
TIRUCHIRAPPALLI, TAMILNADU, 620015 Ph-9994339803

INVITATION LETTER

Package Code: TEQIP-III/2019/nitt/171

Current Date: 11-Nov-2019

Package Name: Composite Materials Printer (3D Printer)

Method: Shopping Goods

To,

Address (Firm)

Sub: INVITATION LETTER FOR Composite Materials Printer (3D Printer)

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Composite Materials Printer (3D Printer)	1	Student Innovation Centre , NIT Trichy 620015	Yes.

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. **Quotation**

- 3.1 The contract shall be for the full quantity as described above.
- 3.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
- 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.
- 3.4 Applicable taxes shall be quoted separately for all items.
- 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- 3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than 60days after the last date of quotation submission.

GST 5%-as per column ((4) II under notification no.45/2017 Central Tax- (Rate), Date. 14.11.2017 Notification no.46/2017 integrated Tax – (Rate), Date. 14.11.2017.

6. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which

6.1 are properly signed; and

6.2 Confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.

8. Award of contract The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 Notwithstanding the above, the Purchaser 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 Contract.

8.2 *The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be Incorporated in the purchase order.*

9. Payment shall be made in Indian Rupees as follows:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation and Satisfactory Acceptance	60	100

10. Liquidated Damages will be applied as per the below:

Liquidated Damages Per Day Min %: N/A

Liquidated Damages Max %: N/A

11. All supplied items are under warranty of 12 months from the date of successful acceptance of items and AMC/Others is **No**.

12. You are requested to provide your offer latest by 15:30 hours on 2-Dec-2019. Opening time :-02 December 2019 16.00 hours at TEQIP Office, Administrative Building, NIT Trichy.

13. Detailed specifications of the items are at Annexure I.

14. Training Clause (if any) **Two Day Training And Demo**

15. Testing/Installation Clause (if any) **Installation at student innovation centre, SIEMENS CENTRE, NIT Trichy.**

16. Performance Security shall be applicable: 0%
17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below, **The Chairperson, Student innovation centre, Dept. of mechanical engineering, National institute of technology, Tiruchirappalli, Tamil Nadu- 620015.**
Kind Attention: Dr T Ramesh, Initiating Faculty, SIC, NITT.
19. We look forward to receiving your quotation and thank you for your interest in this project.

Note : The cover should be duly superscribed with the following details.

- (1) Quotation Reference Number (2) Quotation for the Supply of _ _ _ _ _
- (3) Date of opening _ _ _ _ _

c.r. 21/12/19
(Dr. T. Ramesh)
Initiating Faculty/ SIC

Annexure I

Sr. No	Item Name	Specifications
1	Composite Materials Printer (3D Printer)	<p>General (Essential): A. The printer should be capable of printing High Quality Strong 3D prints of composite materials. B. Should be capable of 3Dprints with Continuous Carbon Fiber Reinforcement. C. The printer should versatile & reliable so that the parts printed should be usable straight off the printer. D. The bidder should have facility to provide Installation, Warrantee and After Sales Support including supply of accessories, spares and consumables.</p> <p>Technical requirements Basic specifications : (i) Process Continuous fiber reinforced plastics (ii) Printer Type Carbon fiber composite printer (Continuous Carbon Fiber Reinforcement) (iii) Build volume 320 x 132 x 154 (mm3) (iv) Machine footprint 584 x 330 x 355 mm (v) Print bed Flat within 160 micron - Kinematics Coupling (vi) Layer height minimum 100 micron (vii) Positional accuracy 10 microns (viii) Software Suitable software must be provided to control the process, Must be Cloud based (ix) Ultimate Tensile Strength Part properties with upto 700 MPa strength. Printer should be capable to process Carbon Fiber material. (x) Max Flexural Stiffness Part properties with 51 GPa strength (xi) Closed Cell Infill Closed Cell Infill for Multiple geometrics must be available (xii) Wi-Fi capability Should have Wi-Fi capability (xiii) Power 100-240 VAC, 150W (2A peak)</p> <p>The following accessories and materials to be supplied along with equipment during installation: (i) CFF quick change nozzle (ii) FFF quick change nozzle (iii) True bed build plate (iv) Plastic dry box (v) Onyx Filament (800 cm3) (vi) Carbon fiber (150 cm3) (vii) Fiberglass (150 cm3) (viii) Kevlar fiber (150 cm3) (ix) High strength high temperature fiberglass (150 cm3) Other requirements: a. Bidder should have supplied and installed at least 1-2 similar systems in India. b. Bidder should have set up in India to provide aftersales and warranty support.</p> <p>The carbon fibers should be continuous during printing. Details of technical support and availability of consumables.</p>

FORMAT FOR QUOTATION SUBMISSION
(In letterhead of the supplier with seal)

Date: _____
To: _____

Sl. No.	Description of goods \ (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex-Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____ (Amount in figures)

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.
We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.
We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier
Name: _____
Address: _____
Contact No. _____