

INVITATION FOR QUOTATION

TEQIP-III/2019/BH/dced/333

27th September 2019

To,

WHOMSOEVER IT MAY CONCERN

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation **(in hard copy only)** for the following packages **(one quotation for one package)** with item wise detailed specifications given at annexure I,

Sr. no.	Package Code	Package Name
1	TEQIP-III/2019/BH/dced/333	3D Printer with 3D Scanner

Note: Package wise detailed specification is attached (annexure-I) with this invitation letter and also made available on the institute website.

2. You must also submit the following information along with the bid.
 - i. Supplier Name:
 - ii. Address (with Pin Code):
 - iii. Contact person Name:
 - iv. Email ID:
 - v. Mobile No.
 - vi. GST No.
 - vii. PAN No.

3. 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.

4. Quotation,

4.1 The contract shall be for the full quantity as described above.

4.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.

4.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

4.4 Applicable taxes shall be quoted separately for all items.

4.5 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.

4.6 The Prices should be quoted in Indian Rupees only.

5. Each bidder shall submit only one quotation for one complete package.

The bidder may submit separate quotation (as separate bid document) for each of the package advertised. The package wise detailed specification is available on the institute website <https://www.dce-darbhanga.org/teqip-iii/tenders/> and also attached here for the reference.

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

7. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

7.1 are properly signed; and

7.2 confirm to the terms and conditions, and specifications.

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

9. 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.

9.1 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.

9.2 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.

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

Delivery and Installation - 90% of total cost

Satisfactory Acceptance - 10% of total cost

11. You are requested to provide your offer latest by 16:00 hours on 12-October-2019.

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

13. Training Clause (if any): Yes, as per the requirements of individual item that will be notified in PO while awarding the contract.

14. Testing/Installation Clause (if any) Yes.
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be sent through speed post/registered post/courier only to the following address:
Darbhanga College of Engineering, Darbhanga, Mabbi, Post - Lal Sahpur, VIA - PTC,
Darbhanga – 846005, Bihar.
The Tender ID, Package code and Package name must be written on top of the envelope of the bid document.
17. The bidder must mention the details of prior requirement for the installation and commissioning of the items quoted. A separate sheet with item wise requirements in a tabular form may be submitted.
18. Payment will be made only after the successful completion of set milestones and the adequate fund allocation from NPIU under TEQIP-III project.
19. Principal, Darbhanga College of Engineering, Darbhanga, reserves the rights to accept the lowest or any tender and also of rejecting all or any tender without assigning any reason for the same.
20. The entire dispute with regard to the contract of purchase of items/packages will be subject to legal jurisdiction of Darbhanga only.
21. The Bidder/ Authorised Dealer/ Manufacturer whosoever is submitting the tender must have at least 3 years of experience of successful execution of contracts of similar nature to central/ state govt. departments/organizations/technical institutions/TEQIP-III institutions. Relevant proofs (order copies) must be attached with the bid.
22. The bidder must have valid PAN/GST No., Copy of which must be attached.
23. The bidder has to submit an affidavit that his firm has not been blacklisted by the State Govt./ Central Govt.
24. The bidder must give warranty of at least 12 months of the products/ items supplied.
25. The quotation submitted must contain mandatory information such as GSTN, HSN code, Bifurcation of CGST & SGST, Taxable value and invoice value, etc.
26. Preference will be given to:
 - The bidders possessing relevant certification by authorized body such as ISO etc.
 - The bids that have quoted the items certified for standard, quality and safety such as BIS, ISI etc.
 - The Bidders having dealer/Supplier base in Bihar to prove its capability to provide after sales services and when required..
27. The bidders must provide separate technical and financial bids.
28. Relevant and valid product dealership authorization letter from OEM/principals for all the above packages must be attached including 3D Printer and 3D Scanner.
29. Information brochures/product relevant literatures/product catalogue must to be attached mentioning all asked specifications, clearly indicating the model quoted for as per tender specifications.
30. Installation and commissioning: Free of cost by vendor. Onsite training for 2 days.

31. Training: detailed training on CAD/CAM software, machine control software, g-codes and 3D modelling and Printing.
32. Pre order demonstration may be called at our campus to verify and match the complete asked specifications. If the bidder failed to demonstrate their quoted products as per tender specifications within given specific time, college has the right to technically disqualify/reject that bidder and call next lowest bidder for demonstration for quoted product.
33. Bidders must have supplied similar or other software/hardware products in any TEQIP-III colleges and must submit order copied for verification.
34. All items should be quoted as a single package cost.
35. Delivery time: Immediately within a week otherwise 2% of the order value shall be deducted per day.
36. We look forward to receiving your quotation and thank you for your interest in the project.


Principal-cum IPD
TEQIP-III, DCE Darbhanga

Principal
Darbhanga College of Engineering
Mabbi, Darbhanga-846005

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. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (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: _____

DARBHANGA COLLEGE OF ENGINEERING, DARBHANGA

Package Name: 3D printer with 3D scanner
Package Code: TEQIP-III/2019/BH/dced/333

Detailed Specification:

3D PRINTER (FFF- FUSED FILAMENT FABRICATION TECHNOLOGY)

Build printing size : 400*300*500mm (1mm= 0.03937inch) or more
Technology: Fused deposition modelling (FDM) / fused filament fabrication technology
Extruder/nozzle nos.: 0.4mm single nozzle (single extruder, single colour)
Device dimension: Min 690*600*1000mm
Minimum achievable layer thickness should be close layer thickness: 0.05-0.3mm
Min resolution: 50 microns or better
The printing speed should be 170 mm/s or more
Nozzle temperature : 0-275° heat bed temperature : 0-110° ac input: 110v/220v, 50/60hz
Power: 750w or more
File type supported: STL, OBJ,G-CODE.
Printing filament: PLA, ABS, TPU, NYLON, FLEXIBLE ETC
Filament material: PLA, ABS, TPU, NYLON, FLEXIBLE ETC
Filament diameter: 1.75 mm
Frame material : required high-end stainless steel.
Connectivity: USB /SD CARD
Display & controller is a must feature, it should be with min 5.0-inch LCD touch screen.
Language: multilingual preferred or atleast if one language it should be in English.
User interface: dedicated display on system
Heating bed: 10 mm thickness aluminium heating bed
For better functioning of printer ups (uninterruptible power system) is a must required feature.
Ups inbuilt support: must required.
Travel Fully Linear Guide Rail
Softwares and drivers: Operational softwares will be required for the bidder to supply alongwith the 3d printer , alongwith Cura (OpenSource that supports 3d printer)

3D SCANNER SPECIFICATIONS:
TECHNICAL SPECIFICATIONS

- 1) Measurement accuracy: ≤ 0.1 mm; single side scanning accuracy: ≤ 0 .
- 2) Point distance 0.12mm
- 3) Single side measurement range: 200×300 mm
- 4) Scanning time: ≤ 2 min;

- 5) Single side scanning time: 5 s;
- 6) Camera resolution: 13 million pixels;
- 7) Projection resolution: 1080P;
- 8) Light source: White light;
- 9) Splicing mode: automatic scanning of turntable, free scanning, stitching of mark points;
- 10) Scanning of turntable Range : 200mm × 300mm × 250mm, free scanning: 1000mm × 1000mm × 1000mm;
- 11) Output data: should output single-angle point cloud, multi-angle point cloud, triangulation package patch; without the help of third-party software, package STL can be directly 3D printing;
- 12) Support RGB24 bit true color model output;
- 13) Output data format: STL, OBJ, PLY, ZX3D;
- 14) Turntable size: 200 × 50 (mm)
- 15) should have own lithium battery with capacity ≥ 6000 mah, standby time ≥ 48 hours and continuous operation for more than 2 hours.
- 16) Working mode: probe should have its own model calculation and display function, without connecting to PC. At the same time, support cloud computing and local area network computing; can support one computer as a local server, support multiple scanners scanning at the same time.
- 17) Can provide secondary development SDK
- 18) Operating system: Android 7.1;
- 19) full-color 7-inch capacitance touch screen with a resolution of 1920 x 1200.
- 20) Software functions: * Fully independent development of software (including three-dimensional data acquisition, automatic splicing and fusion, post-processing and other functions); * Automatic splicing of turntable: for objects of different shapes, users can automatically set the number of scans to ensure the accuracy and integrity of the final model; * Automatic photometric measurement: the software can carry out one-button automatic photometric measurement to adapt to the changes of the environment and the difference of objects, so as to ensure the measurement accuracy. * Multiple scanning fusion: complex shape objects, users can scan multiple times, the software will automatically merge it into a complete model; * Smoothing processing: users can smooth the scanning results according to their needs. * Multiple scanning modes: software support single angle, multi-angle measurement, support point cloud, patch, package data export;
- 21) List of equipment: 1 set of 3D scanning probe, 1 set of bracket, 1 set of high precision rotating table, 1 set of calibration plate and bracket, 1 set of mounting positioning pad, 1 connecting line and 1 packing box.
- 22) Extended function: support 3D model AR photography function; probe with projection, support teaching projection.
- 23) Quoted product model should have been certified by FCC,CE and Rohs.