



Rajkiya Engineering College Banda, Atarra, Banda (U.P.) 210201

INVITATION LETTER

Package Code: TEQIP-III/2019/UP/recb/143

Current Date: 14-Sep-2019

Package Name: REC125

Method: Shopping Goods

To,

Sub: INVITATION LETTER FOR REC125

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	3D Printers	1	Rajkiya Engineering College Banda	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 **65** days after the last date of quotation submission.
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	30	90
Satisfactory Acceptance	30	10

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 **N/A** months from the date of successful acceptance of items and AMC/Others is .
12. You are requested to provide your offer latest by **15:30** hours on **26-Sep-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **No**

15. Testing/Installation Clause (if any) **Yes**
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,
Director, Rajkiya Engineering College Banda, Atarra, Banda (U.P.) 210201
19. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

Annexure I

Sr. No	Item Name	Specifications
1	3D Printers	<p>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 along with the 3d printer , along with Cura (OpenSource that supports 3d printer)</p> <p>Must provided with 3D SCANNER with specifications :(1) Measurement accuracy: ≤ 0.1 mm; single side scanning accuracy: ≤ 0. (2) Point distance 0.12mm ,(3) Single side measurement range: 200 × 300mm ,(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.</p> <p>Important terms and conditions for the tender:</p>

- 1.Relevant and valid product dealership authorization letter from OEM/principals for all the above packages must be attached including 3D Printer and 3D Scanner.
- 2.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.
- 3.Warranty: Warranty for 1 year from the date of commissioning of equipment.
- 4.Installation and commissioning: Free of cost by vendor. Onsite training for 2 days.
- 5.Training: detailed training on CAD/CAM software, machine control software , g-codes and 3D modeling and Printing.
- 6.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.
7. Bidders must have supplied similar or other software/hardware products in any TEQIP-III colleges and must submit order copied for verification.
- 8.All items should be quoted as a single package cost.

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. _____