

Ref.No. HICET/ IDEA LAB / 2021 / 01

TENDER NOTICE

Date of Publication 15.12.2021

Online/ in sealed envelope, tenders/quotations are invited from reputed companies / supply agencies for procurement of equipment, tools, machines for IDEA Lab of our institute.

Details of Specification of required items are as follows: -

Sl.No.	Name of the Equipment	Specification / Description	Quantity (No's)
1	3D Printing Machine / Multifunctional Operating Machine	3D Printing – 300 × 300 × 300 mm minimum CNC Engraving/Cutting - 320 × 350 x275 mm Laser Engraving – 320 × 350 mm Materials – PLA, ABS, TPU, PVA CNC Engraving – Wood, Paper, PCB, Plastic, Leather etc.	05
2	Laser Cutting and Engraving machine	Working Area (mm)- 1300 x 900, Max Cutting Speed-50 mm/s Cooling System- CW 5200 Chiller Working material: soft Wood, Acrylic, Anodized Aluminum, Laser Brass Marbleized Laser, Delrin Seals, Glass, Laserable Plastic Leather, Marble, Melamine, Stainless Steel With Cerdec Coating, Rubber, Mat board, etc. Laser power :150 watts, accuracy: 0.1mm/m, laser head-Auto focus with focusing sensor, Laser Source: Digitally controlled with cooling system, Resolution : 0.05mm	01

3	CNC Router	<p>X,Y,Z working area - 1500x3000x200mm Resolution +- 0.03/300mm, Max. Rapid -32 meter/ min., Max. working speed : 20 meter/ min, Motor Type :Stepper Motor, Max. consume power 6kw, Max. rapid 32 meter/ min, Max. working speed 20 meter/ min, Spindle Power 3.5kW Water Cooled, Spindle speed 0-24000rpm, Controller Rich Auto A11E, Cooling System Industrial Chiller CW3000, Cooling System Industrial Water Pump, Water Bed, Application Material : MDF, Wood, Acrylic, Foam, PVC, Saag, Plywood, Veneer, Soft Wood, ACP, Cardboard, Fiber, Hard Plastic, Granite, Marble, Aluminum, Copper, Brass, etc.</p>	01
4	3D Scanner	<p>Scan Accuracy up to 0.045 mm, Scan Speed 10 fps (3,000,000 points/s) minimum, Point Distance 0.2 mm-2 mm, Single Scan Range 150*120 mm-250*200 mm, Depth of Field ±100 mm, Working Distance -400 mm, Light Source-LED, Align Mode -Marker Alignment, Feature Alignment, Hybrid Alignment Texture Scan -Yes (with Add-on: Color Pack) Outdoor Operation-Set up the shelter or cover to avoid direct sunlight, Special Objects for Scanning For the transparent, highly reflective or some dark objects, please spray powder before scanning, Printable Data Output Able to export watertight 3D model directly to 3D printing, Output Formats OBJ , STL , ASC , PLY , P3 , 3MF, Scanner Body Supported OS -Win 10, 64 bit or better</p>	01

5	Mixed Signal Oscilloscope	Mixed Signal oscilloscope (MSO2022B) 200 MHz bandwidth models 2 analog channel models 16 digital channels (MSO series) 1 GS/s sample rate on all channels 1 mega point record length on all channels 5,000 wfm/s maximum waveform capture rate Suite of advanced triggers	01
6	PCB Prototype Machine – PCB Router and PCB Milling Machine	As per Industry Standards	01
7	Reflow Oven	As per Industry Standards	01
8	Soldering and DE soldering Station	As per Industry Standards	05
9	Digital Microscope	As per Industry Standards	01
10	Benchtop Multimeter	As per Industry Standards	01
11	DC Regulated Power Supply Unit	As per Industry Standards	03
12	Digital Storage Oscilloscope	As per Industry Standards	01

Note :

1. Delivery Place:

Bidder will supply and deliver the materials in requisite number at Hindusthan College of Engineering and Technology, Valley Campus, Pollachi Highway, Coimbatore, Tamil Nadu, Pin : 641032.

2. Qualification and Conditions

- Bidder should be authorized supplier/service provider of the quoted item/work and should submit the relevant documents/certificates.
- Bidder should have experience of supplying such items and will have to furnish details of previous supplies.

3. BID Price

- The contract shall be for a period of three months (90 days).
- The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment of any account.
- All duties, taxes and other levies including the transportation expenses are payable by the Supplier/Agencies/Company under the contract and shall be included in total price.
- Each bidder shall submit only one quotation in the format supplied. Bidder submitting more than one quotation for the same package will not be entertained. All the columns and requisite information must be filled in the supplies Format.

4. Submission of Quotations/Bid

Each bidder should email quotations with digital signature and sign. Quotation should have both specifications and price.

The following documents will be part of bid/quotation.

- i. GST Number (Registration Certificate)
- ii. Specification of Item (as applicable)

The Financial part of the bid/quotation shall consist of Rate/Price on the company's/Firm's letter pad. All the column and requisite information must be filled in the prescribed format. Bidder must quote the item wise.

5. Validity Quotation:

Quotation shall remain valid for a period of **90 days** after the deadline date specified for submission.

6. Evaluation of Quotations:

The purchase committee of HICET will evaluate and compare quotations determined to be substantially responsive i.e.

- a) Are properly signed.
- b) Confirm to terms, conditions, specifications and quality parameters.

7. Award of Contract:

- The purchase committee of HICET shall award the contract to the bidder whose quotations has been determined to be substantially responsive, and who has offered the lowest evaluated quoted price.
- The purchase committee of HICET 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 the contract
- The bidder whose bid is accepted will be notified of the award of contract by the purchase committee of HICET. The terms of the accepted offer shall be incorporated in the supply order. The purchaser may extend the validity period by another 15 Days in exceptional cases

8. Other Terms & Conditions:

- Hindusthan College of Engineering and Technology, reserves the right to preponed /postponed/cancelled the bid, the bidder will have to abide with the decision.
- Payment shall be made after the supply and submission of bills which will be subject to satisfactory supply (certified by the committee constituted for the purpose). Supplier has to give training of the equipment to the respective department. Personnel in Charge will certify the quality and quantity of the items supplied/ work done as per specifications and recommend accordingly the extent of payment.

- No preference will be given to any bidder of class of bidders, either for the price or for other terms and conditions.
- Quotation may be submitted on the printed letter head of the bidder in the prescribed format supplied.
- No payment will be made for any damage of goods supplied.

9. Mention taxes (GST) separately.

Companies are requested to send your offer/quotation during working hours **on or before 3.00 PM of the 28-02-2022** by email to the Principal (principal@hicet.ac.in) and IDEA Lab coordinator (autohod@hicet.ac.in, shankar.cse@hicet.ac.in). All valid quotations received till then will be checked on **28-02-2022, in the office at 4.00 P.M.**

PRINCIPAL
Dr Jaya J
IDEA Lab Chief Mentor

HICET