Tula's Institute
Dhoolkot, PO-Selaqui, Chakrata Road, Dehradun, Uttarakhand
Ph. 0135 269 9300; Email: info@tulas.edu.in

Tender Ref No. Idealab//2025-26/001 **Dated: 25/03/2025**

NOTICE INVITING TENDER

E-Tenders are invited in a two-bid system (Technical and Financial) for the supply/execution of the item(s)/stores/work as specified below. Submissions are invited from Original Equipment Manufacturers (OEMs) or their Authorized Distributors only, in accordance with the provisions of **GFR 2017** and the terms and conditions outlined in the tender document.

The interested bidders should Courier/email/registered post the duly signed tender form and their bids along with scanned copies of all the relevant certificates, documents, etc., in support of their technical & price bid all duly sealed and signed should be sent. The technical bids will be opened on **15/05/2025 at 5.00 P.M/** in the office of Officer in Charge (PURCHASE).

The tender document including item specifications, eligibility conditions, and terms, can be viewed and downloaded from the website of **Tula's Institute**, **Dhoolkot, PO-Selaqui, Chakrata Road, Dehradun, Uttarakhand** at **www.tulas.edu.in**

Yours faithfully,
Officer In-charge (PURCHASE)

S. NO.	DESCRIPTION	QTY. (No.)
01.	**Laser Cutting Machine, Non-Metallic, CO2, Glass/steel tube, 8 feet * 4feet in dimension, with power supply** Structure: Iron Fabrication Structure Laser Power: 80-110 Watts Working Area: 1300× 2500 mm Z-axis Work Size: 30 mm Transmission Way: X, Y, Z-square linear rail and round timing belt Control System: RD Controller USB Laser Source: CO2 Gas Glass Tube Cooling Way: Water Cooling Chiller Motor: Stepper Mirror: 25 mm Dia Metal Gold Coated Lens: 19 mm Dia German Make Connectivity: USB, Ethernet Cable Command Code: HPGL, G Code Working Speed: 0–400 mm/sec Working Precision: 0.05 mm Power: AC 220V ±10% / 50–60 Hz Controller Software: EzCad Compatible Software: Corel Draw, Autocad, TYPE 3, Artcam, UG, Pro-e Machine Size: 1300 cm × 150 cm × 100 cm Optional Features: AutoFocus	01 Set

	Change to 4-axis Up and Down Table Exhaust Fan	
02	**CNC Router, Non-Metallic, with dust collector and power supply,** Working area – 1300 x 2500mm Resolution: ± 0.03/300 mm Repeatability: ± 0.03 mm Z- Gantry clearance – 250 mm Total size of machine- 1700 x 3000 x 1500mm Double motorized- SERVO motors on all axes – LEADSHINE/YAKOSERVO Electronic assembly- SERVO drives for all axis- LEADSHINE/YAKOSERVO 25mm rack and pinion 20 mm high precision linear guides on X ,Y axes Backlash free precision hardened and ground ball screw linear rails on Z-axis SINGLE Spindle 5.5 Kw 0- 24000 (Water Cooled) Spindle control (VFD)- INNOVANCE/FOLIN Rapid transverse speed up to 20 meter/minute Max working speed up to 18 meter/minute Lathe structure: welding steel structure AC 220V, 50/60 Hz, Single Phase AC 415V, 50/60 Hz, Three Phase The system should support both Stepper and Servo motors. Table Type: T-slot Linear Guide: Hg 20 for X, Y, and Z axes Command Code: The system should support G Code formats (*nc, *mmg, *plt, *cnc). Operating System: DSP Control System Memory: 128 MB or support for Flash Drive Dust Collector: The system should include a dust collector hood	01 Set
02	3D Printer, bed size 300mm*300mm, multi thread, multi head, high resolution quality printing Build Volume: 325 X 325 X 315 mm Printing Speed: 600 MM/ Sec Single nozzle with 350°C Printing acceleration - 20000 MM/Sec Hotbed temperature - 110°C Direct drive extruder Firmware: Klipper Main Processor - cortex A53, Wifi, SD card, Pendrive, Chamber Temperature : 60°C Materials: PLA, ABS, Carbon fiber, glass fibre, Nylon, PETG, ETC	01 Set

Details on the next page

Important Dates for Tender

S no	Description	Date and Time
1	Tender Publish date	25.03.2025
2	Start Date of Document Download	15. 04.2025
4	Bid Submission Start Date	22.07.2025
5	Last Date and Time for Submission of Bids	25.04.2025 04.00 PM
6	Date of Technical Bid Opening	25.04.2025 03.00 PM
7	Date of Financial Bid Opening	Will be intimated to the qualified bidders separately
8	Bid Validity Period	90 Days
9	Delivery Timeline	4 weeks from the Date of Purchase Order