

# PSN College of Engineering and Technology (Autonomous)



Melathediyoor, Tirunelveli - 627 152, Tamil Nadu.

Approved by AICTE and Affiliated to Anna University

Accredited by NAAC with A + Grade in 3<sup>rd</sup> Cycle and Recognized by UGC under Section 2(f) and 12(B)

NBA Accredited courses B.E. (MECH, EEE & CSE)

An ISO 9001 : 2015 Certified Institution

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Quotation Ref. No: PSNCET/IDEALAB/TENDER/02

Date: 08.09.2025

## Call for Quotation

Sealed tenders are invited from reputed and experienced suppliers, manufacturers, or authorized distributors for the **supply, installation, and commissioning of equipment, tools, and machines** for setting up an **AICTE IDEA Lab** at our institute. The laboratory is to be developed as per the AICTE guidelines for promoting innovation, design thinking, and prototyping skills among students and faculty. The detailed specifications of the required items are enclosed with this document.

Sr. No	Equipments	Preferred brands if any	Specifications	Qty
1	Vinyl Printer	Branded company Product with at least <b>Two years Warranty</b>	Dimensions: 50 cm x 15 cm x 15 cm or above Weight: 15.4 lbs or less Max cut size using machine mat: 11.5 inch x 23.5 inch or more Cut speed: up to 14.1 ips	1
2	Mini Desktop Lathe Machine cum milling	Branded Company Product with at least <b>three years product warranty</b>	Centre Width: Up to 400 mm or better Height of Centers: Up to 88 mm Maximum Workpiece Diameter: Up to 100 mm Machine Base: Cross-ribbed surface, high-quality cast iron with ground prismatic guide, capable of fitting milling/drilling attachment Spindle: Supported with adjustable taper roller bearings Spindle Receiver: MK3 or compatible Spindle Drill Hole: Up to 22 mm or better Spindle Concentricity: Up to 5 microns or better Chuck: 3-jaw chuck as per DIN 6386, centrally clamped, 100 mm diameter or better Run Out (without Chuck): Up to 10 microns Sleeve Receiver: MK2, retractable sleeve with scale Spindle Speed Range: Between 50 to 2500 rpm Speed Stages: 6-8 Motor Rating: 550W or better, induction motor, single phase 230V	1

3.	CNC Router	Branded Company Product with at least <b>three years product warranty</b>	<p>Working Area: Min 1300 x 2500 mm Z</p> <p>Axis Working Area: 200 or above</p> <p>Resolution: <math>\pm 0.03/300</math>mm or more</p> <p>CNC Spindle: 3KW or more</p> <p>Lathe Structure : Welding Steel Structure or equivalent</p> <p>XYZ Structure: Rack Pinion ,</p> <p>Ball Screw Linear Rails</p> <p>Max Spindle Speed : Min 18000RPM</p> <p>Table: T-Slot/Vacuum Bed/Water Bed</p> <p>Repeatability: <math>\pm 0.03</math></p> <p>Working Mode: Stepper Motor/Servo Motor</p> <p>Dust Collector : To be included by Vendor</p> <p>Voltage: AC 220V/415V, 50/60 Hz, 3 Phase</p>	1
4	Soldering Station	Branded Company Product with at least <b>three years product warranty</b>	<p>Power Rating: Approximately 60 W maximum output power.</p> <p>Temperature Range: Adjustable from approximately 200 °C up to 480 °C.</p> <p>Temperature Stability: Within <math>\pm 2</math> °C under normal operating conditions.</p> <p>Heating Element: Ceramic heating element for rapid heat-up and efficient temperature maintenance.</p> <p>Display: Digital or analog temperature display (depending on variant) for precise temperature control.</p> <p>Temperature Control: Adjustable via knob or digital interface with fine resolution.</p> <p>Power Supply: AC 220 V <math>\pm 10\%</math>, 50/60 Hz.</p> <p>Safety Features: Thermal cutoff and overload protection within required standards.</p> <p>Dimensions: Compact design with 100 mm <math>\times</math> 100 mm <math>\times</math> 90 mm (W <math>\times</math> H <math>\times</math> D) or above</p> <p>Weight: Approximately 1.5 kg for ease of portability and bench use.</p>	5

### Terms and Conditions

The following Terms and Conditions apply to all bidders participating in the tender for the supply, installation, and commissioning of equipment, tools, and machines for the establishment of an AICTE IDEA Lab. All prospective vendors are required to read and comply with these terms in their entirety.

#### 1. General Information

All equipment and materials must be delivered in the quantities and specifications mentioned in the purchase order issued by the purchaser. The delivery location will be specified in the purchase order (**PSN College of Engineering and Technology, Melathediyoov, Tirunelveli - 627152**). The entire contract shall remain valid for a period of three (3) months from the date of the award.



Quotations submitted by bidders must remain valid for a minimum of 90 days from the final date of submission. Any quotation that does not meet with this validity period will be considered non-compliant.

## **2. Bid Submission Guidelines**

Bids may be submitted either via email (digitally signed) or in hard copy form, as specifically mentioned in the tender notice. All quotations must be printed on the bidder's official letterhead and duly signed by an authorized representative.

Each bid must be complete in all respects and must include the following mandatory documents:

- Detailed Profile of the Bidder, highlighting experience and key competencies.
- Copy of the Company/Firm Registration Certificate.
- Copy of valid GST Registration Certificate.
- Copy of submitted GST return (at least up to November 2024).
- Copy of valid PAN Card.
- Chartered Accountant's Certificate for turnover for FY 2021–22, 2022–23, and 2023–24.
- CA-certified and audited Balance Sheets and Financial Statements (Form 3CB/3CA) for the last three financial years.
- Copies of Work Completion or Experience Certificates of similar completed works.
- Valid Shop Establishment License or Factory License.
- Genuine Manufacturer Authorization Form (MAF), which will be subject to verification with the respective OEM.
- Bidder should provide an Escalation Matrix for service and after sales support.
- Valid EPF, ESIC, and Professional Tax Registration Certificates (where applicable).
- Income Tax Return Acknowledgements for FY 2021–22, 2022–23, and 2023–24.
- Declaration/Affidavit (on ₹500/- Stamp Paper) regarding no blacklisting from IITs/NITs/Govt. Offices/PSUs/Autonomous Bodies.
- Complete, signed, and stamped tender document including amendments and deviation sheets, if any (to be uploaded online only).
- Declaration of agreed specifications on company letterhead, duly signed and stamped.
- Any other documents in support of technical eligibility.

All bidders are required to quote for all the items listed in the BoQ. Partial or item-wise quotations will be summarily rejected. Each bidder is allowed to submit only one quotation per package; multiple submissions from a single bidder will lead to disqualification.

### **3. Technical Documentation and Compliance**

The bidder must furnish complete technical documentation for each quoted item. This includes detailed product specifications, installation manuals, operation and maintenance manuals. The bidder is also required to submit a layout/design proposal aligned with the lab setup requirements, highlighting compliance points against the tender specifications.

Original technical brochures or scanned versions of product catalogs should be submitted with the bid. Wherever available, URLs to the OEM's official product page should also be provided for cross- verification.

Each bidder must clearly mention the make, model, and complete technical specifications for the equipment being offered. A compliance sheet responding to each technical requirement outlined in the tender must be prepared and duly signed.

### **4. Eligibility and Qualification Criteria**

All bidders must be OEMs or authorized partners/distributors with valid authorization for the products they are quoting. Authorization letters must be submitted on the OEM's official letterhead.

Bidders must demonstrate relevant experience by submitting a minimum of three Purchase Orders (executed within the last five years) for similar equipment supplied to academic, R&D, or industrial institutions. A list of at least five institutional clients (with contact information) must be provided as a reference.

It is mandatory that the bidder or OEM has a registered support office in India to provide warranty and after-sales support. In the case of imported equipment, either the OEM or their authorized seller must submit a certificate confirming the presence of such a service support facility in India.

The OEM must also submit a declaration confirming the availability of spare parts for the quoted products for a minimum of one year and authorize the bidder to participate in the tender.

### **5. Financial Criteria**

Each bidder must have an average annual turnover of ₹5 Crores or more over the last three financial years (FY 2022–23, 2023–24, 2024–25). The turnover must be supported by a CA certificate or audited financial statements.

Prices quoted must be inclusive of all taxes (GST, customs, etc.), transportation, packaging, insurance, unloading, installation, commissioning, and training charges. There shall be no extra claim under any circumstances after the finalization of the bid.

The quoted prices must be firm and fixed throughout the duration of the contract. No escalation in price will be allowed under any pretext.



## **6. Evaluation and Award of Contract**

All bids will be evaluated on the basis of compliance with the technical specifications, completeness of submitted documentation, financial eligibility, and price competitiveness. The contract shall be awarded to the bidder whose offer is determined to be technically responsive and lowest in cost.

The purchaser reserves the absolute right to reject any or all bids without assigning any reason. The final decision on selection will be at the sole discretion of the purchaser and shall be binding on all parties.

## **7. Warranty and After-Sales Service**

All equipment must carry a minimum onsite warranty of at least **three years** from the date of successful installation and commissioning. During this warranty period, the bidder shall repair or replace any defective items at no additional cost to the purchaser. All associated transportation, testing, and labor costs shall be borne by the bidder.

In case of any service delay or failure to resolve issues during the warranty period, the purchaser reserves the right to invoke penalties or reject future business from the vendor.

## **8. Payment Terms**

Payment shall be released only after the successful supply, installation, and commissioning of the equipment. Final inspection and acceptance will be carried out by the purchaser's technical committee.

No payment shall be made for equipment that is received in damaged condition, is non-functional, or fails to meet the required specifications. The bidder must submit all necessary documentation (delivery challans, installation report, warranty documents, training certificate, invoice, etc.) to process payment.

## **9. Other Conditions**

No bidder shall be given preference based on category, class, or affiliation. The procurement may be extended to additional phases (e.g., Phase II) depending on the availability of funds and institutional requirements.

Delayed delivery or installation may result in cancellation of order or imposition of penalties, as deemed fit by the purchaser. The scope of the supply and service must be entirely as per the BoQ and technical specifications. Bids with partial compliance or deviations shall not be entertained.

## **10. Bidder Undertaking**

The bidder shall furnish an Undertaking Certificate on its official letterhead, duly signed by an authorized representative, certifying that all equipment and materials supplied to **PSN College of Engineering and Technology, Tirunelveli** for the AICTE IDEA Lab are **neither manufactured in nor procured from China or Pakistan.**

The Undertaking Certificate must include the following declarations:

- All items are sourced from verified manufacturers located outside China and Pakistan.

- The bidder complies fully with the Government of India and AICTE procurement guidelines regarding country of origin.
- The bidder accepts that any breach of this undertaking will render the supply contract liable for cancellation and may attract penalties as per prevailing regulations.
- This certificate shall form an integral part of the bid submission and the final contract.

#### 11. Submission Deadline and Contact Details

All quotations must be submitted **within two weeks** to the email ID [aicteidealab@psncet.ac.in](mailto:aicteidealab@psncet.ac.in) and sent in hard copy of quotation to:

**Dr. P. Selvakumar, Ph.D.**

**AICTE IDEALAB PROJECT CO-ORDINATOR**

**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS),  
MELATHEDIYOOR,**

**TIRUNELVELI – 627152**

**TAMILNADU, INDIA**

Contact: S. Ananth & 9092585350

Email: [aicteidealab@psncet.ac.in](mailto:aicteidealab@psncet.ac.in), [ananthakanna@gmail.com](mailto:ananthakanna@gmail.com)

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