



COEP TECHNOLOGICAL UNIVERSITY

Shivajinagar, Pune-411005

(A Unitary Technological University of Govt. of Maharashtra)

website : www.coeptech.ac.in

Ph: 020-25507344

Email: centralpurchase@coeptech.ac.in;

Ref No.: COEP Tech/Central_Store/ Quotation/EE-Lab /3D Printer /2026/184

Date: 5/08/2026

Invitation of Quotations

Subject: Inviting quotations for “Supply of 3D Printers for Engineering Exploration Lab”, COEP Technological University (COEP Tech).

Enquiry Number & Date	COEP Tech/Central_Store/ Quotation/EE-Lab /3D Printer /2026/ 184
Enquiry Date	5/08/2026
Location	The Registrar, COEP Technological University (COEP Tech).
Quotation Submission Date	Up to 13/08/2026 till 5.00 PM
Quotation Submission Place	Inward Section, Establishment Office, COEP Technological University, Wellesley Road, Shivajinagar, Pune-411005
Quotation Opening Place	Central Store, COEP Technological University Pune
Quotation Opening Date	14/08/2026 at 4:30 pm
Quotation Fee	Rs. 590 /- (Rs. 500 + 18% GST) (non-refundable.)

Sealed quotations are invited from reputed bidders for Supply of 3D Printers for Exploration Lab, COEP Technological University (COEP Tech).

Sr. No	Description	Specification and Details	Qty	Unit
1	3D Printers	- Technology: Fused Deposition Modeling (FDM) - Build Volume: Minimum 250 × 250 × 250 mm - Nozzle Diameter: 0.4 mm - Layer Resolution: 0.1–0.4 mm - Filament Diameter: 1.75 mm - Supported Materials: PLA, PETG, ABS, TPU, Nylon - Auto Bed Levelling: Preferred - Connectivity: USB, Wi-Fi, LAN/Ethernet or SD Card (any two or more) - Heat Bed: Required - File Formats: STL, OBJ, 3MF - Slicer Software: Compatible with Windows; manufacturer-provided or open-source software - Connectivity: USB, SD Card, Wi-Fi preferred - Supply: 230 V AC ±10%, Single Phase, 50 Hz - Power Consumption: Maximum 500 W	6	NOS

		• Material Spools of 3 PLA, 1 ABS and 1 TPU Material with each 3D Printer, extra 2 nozzles compatible with machines • Machine Dimensions: Approximately 500 × 500 × 600 mm or equivalent • Noise Level: ≤55 dB preferred • Warranty: Minimum 2-year onsite warranty • Installation & Training: Installation, commissioning and user training at site to be included.		
2	Filament Dryer	• Capacity: Dual-roll design; minimum capacity to accommodate two 1.0 kg spools simultaneously. • Heating Mechanism: Active PTC 360° hot-air convection heating system with integrated fan for uniform thermal distribution. • Heater Rated Power: Minimum 110 W PTC heater (Overall machine rated power: 160 W). • Temperature Range: Adjustable from 45°C to 70°C to suit standard and engineering-grade polymers • Timer Control: Adjustable drying duration from 0 to 48 hours with automated shut-off. • Filament Compatibility: Standard diameters of 1.75 mm and 2.85 mm. • Material Compatibility: Must safely dry: PLA, TPU, ABS, ASA, PETG, PC, PA, PET, and carbon-fiber reinforced variants (PLA-CF, PETG-CF, PA-CF). • Feed System: Minimum of four (4) dedicated filament exit ports equipped with PTFE guide tubes for direct-from-dryer multi-printer feeding. • Control Interface: Minimum 4-inch LCD touch screen display for parameter entry and monitoring. • Memory Retention: Power-off parameter memory function to auto-resume active settings/cycle post-power interruption. • Firmware Presets: One-key quick selection profiles for at least 12 distinct filament types, alongside fully manual overrides. • Electrical Input: 110V AC, 50/60 Hz (Standard US plug configurations). • Dimensions: 22D x 34W x 30H Centimeters	2	Nos.
		Total Amount In Rs. :		
		(Including GST and other charges etc).		

Terms and Conditions:

1. **Email quotations are not acceptable.**
2. The vendor shall seal the quotation in an envelope addressed to: The Registrar, Apni leap/ Engineering Exploration Lab, COEP Technological University (COEP Tech), Pune -411005. The envelope will also bear the following identification: -
“Supply of 3D Printers for Exploration Lab, COEP Technological University (COEP Tech).”

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3. The bidder shall clearly specify the Make, Model and Country of Origin of the machine offered.
4. The quotation must be submitted to the Inward Section, Establishment Office, COEP Technological University, Wellesley Road, Shivajinagar, Pune - 411005

5. Prices shall be quoted inclusive of all applicable GST, packing, forwarding, freight, transit insurance, loading, unloading, delivery, installation, commissioning, demonstration, and user training charges.
6. All following documents/certificates should be enclosed with quotation.
 - a) Cost of quotation document fee of Rs. 590 (Rs. 500 + 18% GST) not refundable to be paid in the form of DD drawn in favor of COEP Technological University, Pune.
 - b) Shop Act License/Incorporation Certificate/Firm Registration Certificate Copy.
 - c) PAN Card Copy
 - d) GST Certificate Copy
7. **Validity:** Quotation validity should be at least 120 days from the due date.
8. **Delivery Period: 30 Days**

The vendor shall be responsible for the supply, delivery, installation, commissioning, demonstration, and on-site user training of the 3D Printers at the Engineering Exploration Lab, COEP Technological University (COEP Tech). Any defective item supplied shall be replaced by the vendor at no additional cost to the University. The University reserves the right to determine and modify the delivery schedule, including the date and time of delivery, as deemed necessary.
- 8.1 Vendor should supply all the items and complete the installation within the delivery period which will be mentioned in the workorder. No extension shall be given for supply. In case of delay a penalty in proportion to the cost of equipment will be imposed at the rate of 0.5 % per week. The maximum penalty for delays shall be limited to 5% (five percent) of the total work order value. In case of delay more than 10 weeks, beyond the stipulated delivery date, order shall be deemed cancelled.
9. The supplier shall provide all accessories, mounting hardware, cables, connectors, and software licenses (where applicable) required for complete installation, operation, routine maintenance, and calibration of the 3D printer. All spare accessories shall be OEM compatible and supplied along with the machine.
10. **Comprehensive Warranty: Comprehensive Warranty:** All supplied items shall carry a comprehensive onsite warranty of minimum two (2) years from the date of installation and acceptance, or as per the OEM's standard warranty policy, whichever is longer. All repairs, replacements, labour, and transportation during the warranty period shall be provided free of cost by the vendor.
- 10.1 The complete print head assembly (including the dual-drive extruder system, auto-bed leveling sensor, heating cartridge, thermistor, and cooling fans) must carry a minimum of two (2) years (24 months) comprehensive replacement warranty. If the manufacturer's standard default warranty for these components is longer, that duration shall automatically apply. If any component within the toolhead assembly fails or drops out of thermal calibration under standard operating conditions with supported materials (PLA, PETG, ABS, TPU, Nylon), the Supplier shall replace the parts entirely at no cost to COEP Tech University.
- 10.2 **The Annual Maintenance Contract (AMC)** period shall strictly commence only after the successful completion of the final applicable warranty period (whether it concludes after Year 2, Year 3, or later as dictated by Clause 10.3).
- 10.3 **Post-Warranty Price Caps:** The annual AMC fee for subsequent years shall be strictly capped and shall not exceed the following percentages of the original base machine product cost (excluding GST, optional accessories, or bundled consumable materials like filament spools):
 - 10.3.1 After warranty period, First Year of AMC: Maximum 3% of the basic product cost.
 - 10.3.2 After warranty period, Second Year of AMC: Maximum 4% of the basic product cost.

10.3.3 After warranty period, Third Year of AMC: Maximum 5% of the basic product cost.

11. Performance Security Deposit & Warranty Bank Guarantee:

11.1 The successful bidder shall submit an **Unconditional, Irrevocable Performance Bank Guarantee (PBG)** from an RBI-approved Scheduled Commercial Bank or Nationalized Bank for an amount exactly equivalent to **5% of the total institutional order value** for the fleet of 3D Printers within fifteen (15) days of receiving the final confirmation layout. Digital confirmation via the **SFMS** protocol directly to COEP Technological University's bank is required to validate the physical paper guarantee.

11.2 Validity and Scope: The PBG must remain valid for **60 days beyond the complete execution of the 2-year onsite comprehensive warranty** (minimum 24 months active validity from the date of user training and site sign-off). It must hold a subsequent **12-month Claim Period** window.

11.2.1 The **Complete Print Head / Toolhead Assembly**, ensuring error-free operation of the dual-drive extruder system, auto-bed leveling sensor array, heating cartridges, embedded thermistors, and integrated component cooling fans.

11.2.2 The **Chassis & Thermal Bed Electronics**, securing the stability of the heated print bed platform, core power supply consumption thresholds (max 500 W), mainboards, and onboard Wi-Fi/LAN connectivity hardware.

12. Payment Terms & Conditions:

Payment: 100% payment shall be made after successful delivery, installation, commissioning, demonstration, inspection, acceptance of the equipment, and submission of the original tax invoice, warranty certificate, and all required documents. No advance payment shall be made.

13. The vendors must quote all the items of the quotation. Part quotations/incomplete quotations shall be summarily rejected.

14. Offers in the quotation should be written in English and price should be in rupees written in both figures and words.

15. The University reserves the right to select or reject the offer of the vendor.

16. COEP Tech. reserves the right to split the purchase order.

17. COEP Tech. reserves the right to cancel any of the items of the quotation without assigning any reason.

18. COEP Tech. reserves the right to decide the quantity of any of the items of quotation for finalizing the purchase order or till delivery without any reason.

19. COEP Tech. reserves the right to cancel purchase orders before or after the delivery of material before making payments, without giving any reasons thereof.

20. Quotations received beyond the submission date/time will not be accepted and will be rejected, unopened.

21. Quotations will be opened at COEP Technological University (COEP Tech) in the presence of the vendor's representatives who wish to attend. In the event of any change in the date of opening, the revised schedule will be intimated to all.

Sd/-
Registrar,
COEP Technological University Pune