



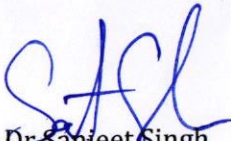
Tender Reference No: MU/AICTE Idea/Tender/2026/01
Date: 16 February 2026

Tender Notice

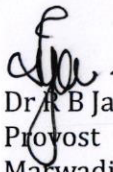
Marwadi University (Rajkot) hereby invites tenders through a two-bid system (Technical and Commercial) from qualified and reliable suppliers and vendors for the supply and installation of Recurring and Non-Recurring items for the newly established AICTE-IDEA Laboratory at Marwadi University, Rajkot - Morbi Road, Rajkot 360003 (Gujarat), under the All India Council for Technical Education (AICTE). Prospective suppliers and vendors are requested to download the tender documents from our official website link: <https://www.marwadiuniversity.ac.in/tender> Completed tenders, along with the requisite credentials, must be submitted in hard copy, enclosed in a sealed cover. Kindly ensure that the outer cover is clearly superscribed with "**Tender Documents for MU/AICTE Idea/Tender/2026/01**" and addressed to:

To,
Coordinator - MU AICTE Idea Lab
Marwadi University Centre for Innovation, Incubation and Research (MUIIR)
Marwadi University
Rajkot - Morbi Road,
Rajkot - 360003 (Gujarat)

Last date and time for submission: On or before 21.03.2026, by 5:00 PM.

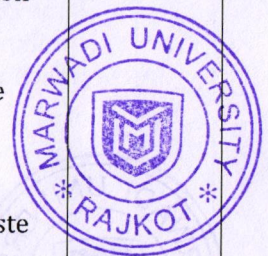

Dr. Sanjeet Singh
Pro Vice-Chancellor
Marwadi University



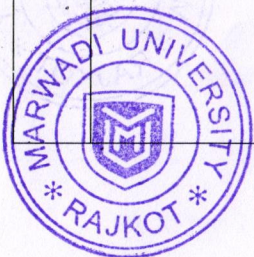

Dr. R. B. Jadeja
Provost
Marwadi University

List of Equipment

No	Equipment	Preferred Brand	Specification	Quantity
1	Single Nozzle 3D Printer	Any reputed brand/ company that provides minimum of three years of on-site warranty	<p>Printing Technology: Fused Filament Fabrication (FFF) or Fused Deposition Modeling (FDM). The printer should have following specifications: Printable Area: The minimum printable area should be at least 310 x 310 x 310 mm or above Printer Design: Core XY or Cartesian. Temperature Range: Hot end: Up to 300°C or above Heat bed: Up to 120°C. or above. Nozzle: Compatible with All polymers, 0.4, 0.6 and 0.8mm Filament Diameter: 1.75mm (supports PLA, PETG, ASA, ABS, etc.). Extruder: Gearbox with 1/10 ratio, Connectivity: USB drive/LAN Desired supporting materials: PLA, PETG, ASA, ABS, PP, PC, flexible filaments, and more. Wi-Fi Module: Built-in (network connectivity not required for setup or operation). Compatibility: Windows, macOS, Linux. Fully enclosed Machine.</p>	01
2	PCB Machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	<p>Cutable Materials: Modeling Wax, Chemical Wood, Foam, Acrylic, PolyAcetate, ABS, PCB, Copper glad, etc Table Size: 225(X)×150(Y)mm or more Drive System: Stepping Motor(X,Y,Z Axis) The PCB printing machine should have following specifications: Operating Speed: 800 mm/min Software Resolution: 0.01mm/step Position accuracy: 0.01 to 0.02mm Max Travel Speed (mm/sec) - 58(2.28") Drilling (mm) - 0.2 - 3.175(8-125 mil) Maximum Drilling Cycles/Min - 50 Spindle Motor: DC Motor Type 380 or More Spindle Speed: Adjustable 20,000 and above rpm or more Tool Chuck Type: Collet Interface: USB or cable Control Commands: RML-1, NC code Power Supply: DC 24V, 2.5A (via AC 100-240V, 50/60Hz adapter) Power Consumption: Approx. 50W or more (i) Model/Type - PCB prototyping machine Function - Milling + Drilling PCB Size Supported - Up to 300 x 200mm Key features: Auto tool change, Gerber compatible (ii) Model/Type: V-One Function: PCB Printer (conductive ink) PCB Size Supported: 2-layer small PCBs Key features: Desktop, fast prototyping, solder paste dispenser, double sided PCB, RF / Microwave antennas (e.g., patch, micro strip, spiral,</p>	01



No	Equipment	Preferred Brand	Specification	Quantity
			meander, dipole), Flexible Substrate Materials, FR4, Copper Clad Compatibility (e.g., Rogers, Taconic, etc), PCB Size capacity (300 mm × 300 mm) Recommended UPS capacity / rating	
3	Laser Cutter with engraver (Fiber Type)	Any reputed brand/ company that provides minimum of three years of on-site warranty	Working Area: Min 600 x 900 mm or above Laser Type: CO2 DC Glass Laser Tube/RF The machine should have following specifications: Metal Laser Tube Laser Power: 80/100/120W; Wave Length: Upto 10.6 Micrometer; Cutting Speed: 30000 mm/min or more Engraving Speed: 64000 mm/min or more XY Axis: LM Guide Rail or equivalent Cooling: Air/ Water Supply Voltage: 230V/415 V; Accessories: CO2 Focus Lens: 1 No.; Mirror 25mm: 3 Nos. Acetone: 1 litre; Acrylic sheet: 2 Nos (each sheet of 600 mm x 900 mm)	01
4	Vinyl Cutter	Any reputed brand/ company that provides minimum of three years of on-site warranty	Dimensions: 50 cm x 15 cm x 15 cm or above The machine should have following specifications: Weight: 10 kg or less Max cut size using machine mat: 11.5 inch x 23.5 inch or more; Cut speed: up to 14.1 inch per second	01
5	3D Scanner	Any reputed brand/ company that provides minimum of three years of on-site warranty	Portable 3D scanner or hand held 3D scanner The scanner should have following specifications. Scanning Mode : Blue Light (Blue 7-line laser) / NIR (infrared binocular structured light) Accuracy : Up to 0.02mm @ 100mm [1] 3D Resolution : 0.02-2mm Scanning Speed : Up to 60fps Min. scan volume : 5mm x 5mm x 5mm Single Capture Range : 270mm x 170mm @ 300mm Working distance : 150mm-400mm Color Mapping : Yes Alignment mode : Marker	01
6	Table-Top/Mini lathe cum milling machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	The machine should have following specifications. Centre Width: Up to 400 mm or better; Height of Centers: Up to 88mm; Maximum Work piece Diameter: Upto 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: Upto 22 mm or Better Spindle Concentricity: Upto 5 microns or better; Chuck: 3-jaw chuck as per DIN 6386, centrally clamped, 100mm diameter or better Run Out (without Chuck): Upto 10 microns; Sleeve Receiver: MK2, retractable sleeve with scale Spindle Speed Range: Between 50	01



No	Equipment	Preferred Brand	Specification	Quantity
			to2500 rpm; Speed Stages: 6-8; Motor Rating:550W or better; induction; motor, single phase 230V; Maximum workspace diameter:Up to 100mm; Lath Swing / Distance: 210 mm / 400mm; Milling Head Travel: X: 120 mm, Z:150 mm Motor Power: 750 W	
7	Power Tools	Bosch	Handheld high speed drilling machine impact drill kit professional	01
8	CNC Router	Any reputed brand/ company that provides minimum of three years of on-site warranty	Working Area: Min 600 x 900 mm Z Axis Working Area: 100 mm or above The machine should have following specifications: Resolution: ±0.03/300mm or more CNC Spindle: 3KW or more Lathe Structure : Welding Steel Structure or Equivalent; XYZ Structure: Rack Pinion , Ball Screw Linear Rails; Max Spindle Speed : Min 18000RPM Table: T -Slot/Vacuum Bed/Water Bed; Repeatability: ±0.03 Working Mode: Stepper Motor/Servo Motor; Dust Collector : To be included by Vendor; Voltage: AC 220V/415V, 50/60 Hz, single/three phase	01
9	Scroll Saw	Any reputed brand/ company that provides minimum of three years of on-site warranty	Power input: 50 Watt The machine should have following specifications: Thickness of Cut: 50 mm (2 inch) Throat: 406 mm (16 inch) Length of Stroke: 18 mm (11/16 inch) Strokes Per Minute: 400-1,600 SPM Overall Length: 600 mm (23-5/8 inch)	1
10	Wood Turning Lathe	Any reputed brand/ company that provides minimum of three years of on-site warranty	The machine should have following specifications: Motor: 230V~50Hz, 550W, S2:15min or above Max. Disc Diameter: min 75 mm Max. Cutting Length: 450 mm or more Spindle Speed: 5 speeds such as 1600 / 2600 / 3200 rpm etc. Material: Cast Iron Bed Height: 0.2 m Dust collector	1
11	Bench Top Drill Machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	The machine should have following specifications: Continuous rating input: Max. 250 W Capacity: Steel: Min 13 mm (1/2") Wood: Min 24 mm (15/16") No Load Speed (RPM): 570, 890, 1,300, 1,900, 2,670(50 Hz), 690, 1,070, 1,560, 2,280, 3,200(60 Hz) Net weight: Max. 20 kg (44.1 lbs.) Power supply cord: 1.75 m (5.7 ft) Additional Accessories: Bench Vise: 1 No., Drill Bit Set 10 Pcs: 1 No	1
12	Portable Welding Machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	The machine should have following specifications: Welding Current (at 40°C, 10 min cycle): 120A @ 100%, 150A @ 60%, 200A @ 35% Supply Voltage: 240V +10%, -15%, 1 Phase, 50/60 Hz Open Circuit Voltage: 55V DC ±5V Welding Current Range: 15-200 Amps DC Insulation Class: F Type Ingress Protection: IP21 Dimensions (L×W×H) with Handle: upto	1



No	Equipment	Preferred Brand	Specification	Quantity
			320×120×195 mm Weight (Approx.): 4.3 kg or less	
13	Computerized Sewing Machine	Branded Company Product with at least three years product warranty	The machine should have following specifications: Motor: 120 W Max Sewing Speed: 860 SPM Power: 220 - 240 V Automation Grade: Automatic Max Stitch Length: 4mm Thread Type: Computerized Weight: 7.6 kg Number of Stitches: 120 Size/Dimension: 50.8 cm x 29.464 cm x 40.64 cm Maximum Stitch Width: 7 mm Number of Buttonhole Styles: 7 LCD Screen Display: Yes Bed Type Free Arm/Flatbed convertible Bobbin Type Drop & Sew Bobbin System	1
14	Filament Dehydrator	Any reputed brand/ company that provides minimum of three years of on-site warranty	The machine should have following specifications: Operating Temperature Range: Min 45°C–70°C Drying Time Setting: 0–48 hours or higher Hot-Air Heating: upto 360° circulation Moving Speed: 300 mm/s or more Power Rating: 160 W Shipping Weight: 2.5 kg	1
15	Reflow Oven	Any reputed brand/ company that provides minimum of three years of on-site warranty	The machine should have following specifications: No. of Waves: 7 or higher Heating Type: Infrared IC Heater Max. PCB Width: 300×320 mm or more Power Supply: AC 220V / 50Hz Peak Power: 1500W Cycle Time: 1–8 min or less Temperature Range: 0°C–280°C Overall Dimensions: min 350×450 mm Machine Weight: upto 25 kg	1
16	Digital multimeter	Any reputed brand/ company that provides minimum of three years of on-site warranty	The machine should have following specifications: Display Count: Up to 4000 DC Voltage Range: Up to 1000 V AC Voltage Range: Up to 1000 V DC Voltage Accuracy: ±0.5% or ±3 digits, whichever is higher AC Voltage Accuracy: Within ±1% + 3 digits DC Current Measurement: Up to 10 A AC Current Measurement: Maximum 10 A DC Current Accuracy: ±1.5% + 3 digits (approximate) AC Current Accuracy: ±1.5% + 3 digits (typical) Resistance Measurement: Up to 40 MΩ Resistance Accuracy: Estimated at ±1.5% + 3 digits Capacitance Measurement: Up to 1000 μF Capacitance Accuracy: ±5% or ±5 digits Operating Temperature Range: From 0°C up to approximately 40°C Storage Temperature Range: Between -30°C and 60°C Overall Dimensions (H×W×L): Approximately 183×91×49.5 mm Unit Weight: Around 455 grams Safety Compliance: As per IEC 61010-1 & IEC 61010-2-030 standards, suitable for CAT III 600V and CAT II 1000V environments with Pollution Degree 2 classification	1
17	(Mixed Signal Oscilloscope)MS O 100 MHz	Any reputed brand/ company that provides minimum of three years of on-site warranty	Bandwidth: Up to 100 MHz Analog Channels: 4 or more Real-Time Sampling Rate: Maximum 1 GSa/s per channel Memory Depth: 10 Mpts per channel Waveform Update Rate: Approximately 120,000 wfms/s Vertical Resolution: 8 bits Vertical Scale: Ranging from 1 mV/div to 10 V/div Horizontal Scale: Spanning 1 ns/div to 100 s/div Spectrum Analyzer	1

