



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.

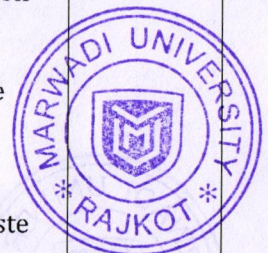
Dr. Sanjeet Singh
Pro Vice-Chancellor
Marwadi University



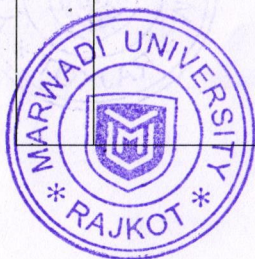
Dr. R. B. Jadeja
Provost
Marwadi University

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).</p> <p>The printer should have following specifications:</p> <p>Printable Area: The minimum printable area should be at least 310 x 310 x 310 mm or above</p> <p>Printer Design: Core XY or Cartesian.</p> <p>Temperature Range: Hot end: Up to 300°C or above</p> <p>Heat bed: Up to 120°C. or above.</p> <p>Nozzle: Compatible with All polymers, 0.4, 0.6 and 0.8mm</p> <p>Filament Diameter: 1.75mm (supports PLA, PETG, ASA, ABS, etc.).</p> <p>Extruder: Gearbox with 1/10 ratio,</p> <p>Connectivity: USB drive/LAN</p> <p>Desired supporting materials: PLA, PETG, ASA, ABS, PP, PC, flexible filaments, and more.</p> <p>Wi-Fi Module: Built-in (network connectivity not required for setup or operation).</p> <p>Compatibility: Windows, macOS, Linux.</p> <p>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</p> <p>Table Size: 225(X)×150(Y)mm or more</p> <p>Drive System: Stepping Motor(X,Y,Z Axis)</p> <p>The PCB printing machine should have following specifications:</p> <p>Operating Speed: 800 mm/min</p> <p>Software Resolution: 0.01mm/step</p> <p>Position accuracy: 0.01 to 0.02mm</p> <p>Max Travel Speed (mm/sec) - 58 (2.28")</p> <p>Drilling (mm) - 0.2 - 3.175 (8-125 mil)</p> <p>Maximum Drilling Cycles/Min - 50</p> <p>Spindle Motor: DC Motor Type 380 or More</p> <p>Spindle Speed: Adjustable 20,000 and above rpm or more</p> <p>Tool Chuck Type:</p> <p>Collet Interface: USB</p> <p>or cable</p> <p>Control Commands: RML-1, NC code</p> <p>Power Supply: DC 24V, 2.5A (via AC 100-240V, 50/60Hz adapter)</p> <p>Power Consumption: Approx. 50W or more</p> <p>(i) Model/Type - PCB prototyping machine</p> <p>Function - Milling + Drilling</p> <p>PCB Size Supported - Up to 300 x 200mm</p> <p>Key features: Auto tool change, Gerber compatible</p> <p>(ii) Model/Type: V-One</p> <p>Function: PCB Printer (conductive ink)</p> <p>PCB Size Supported: 2-layer small PCBs</p> <p>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, centrically 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
			to 2500 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: $\pm 0.03/300$ mm 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 ± 5 V 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



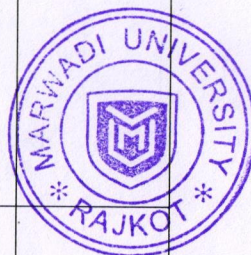
No	Equipment	Preferred Brand	Specification	Quantity
			<p>Frequency Range: DC to 500 MHz FFT Points: Up to 1M points for enhanced frequency domain resolution</p> <p>Waveform Math Functions: Includes addition, subtraction, multiplication, division, minimum, maximum, root, square, absolute, inverse, derivative, integral, and low-pass filter</p> <p>Trigger Types: Edge, Pulse Width, Video, Pulse Runt, Rise & Fall (slope), Alternate, Timeout, Event-Delay, Time-Delay, and Bus Arbitrary</p> <p>Waveform Generator (AWG): Dual-channel, 25 MHz, supporting various waveforms such as sine, square, pulse, ramp, DC, noise, sinc, Gaussian, Lorentz, exponential rise/fall, haversine, and cardiac AWG</p> <p>Sample Rate: 200 MSa/s AWG Vertical Resolution: 14 bits Display: 8-inch WVGA TFT LCD (800 × 480 pixels) Data Logging Capability: Up to 1000 hours</p> <p>Segmented Memory: Supports up to 29,000 segments for efficient waveform storage and retrieval</p> <p>Connectivity: USB 2.0 (host and device), Ethernet (RJ45), and Go-NoGo BNC</p> <p>Dimensions (W × H × D): 380 × 200 × 125 mm or above Weight: 2 Kgs or above</p> <p>Safety Compliance: Conforms to IEC 61010-1 and IEC 61010-2-030 standards, suitable for CAT III 600V and CAT II 1000V environments with Pollution Degree 2 classification</p>	
18	Digital Oscilloscope	Any reputed brand/ company that provides minimum of three years of on-site warranty	<p>Number of Channels: Up to 2 independent analog inputs Memory Record Length: Up to 10 Mpts for extended waveform capture</p> <p>Bandwidth Limiting: Selectable 20 MHz bandwidth filter Sampling Rate: Maximum of 1 GSa/s real-time equivalent per channel</p> <p>Rise Time: ≤ 3.5 ns depending on probe and settings Display: 7" TFT color LCD with 800×480 resolution</p> <p>Time Base Range: From 5 ns/div to 100 s/div, user-adjustable Vertical Resolution: 8-bit digital resolution</p> <p>Trigger Modes: Automatic, Normal, and Signal-dependent triggering</p> <p>Maximum Input Voltage: 300 Vrms (within safety limits) Input Sensitivity: Within the range of 1 mV/div to 10 V/div</p> <p>Input Coupling Options: Selectable among AC, DC, and Ground</p> <p>Trigger Coupling Modes: Configurable as AC, DC, High-pass, or Low-pass</p> <p>Physical Dimensions: Approximately 350 × 200 × 120 mm or above Unit Weight: 2.5 kg or above</p> <p>Input Impedance: Nominal 1 MΩ // 16 pF</p> <p>Measurement Capabilities: Equipped for automatic parameter extraction, background noise filtering, and AUTOSET configuration for display scaling (time base/gain)</p> <p>Protocol Decoding Support: Capable of analyzing I2C, SPI, UART, CAN, and LIN communication protocols</p> <p>Standard Accessories: Includes mains power cable, user manual (digital format), and one GTL-16E probe per input channel</p>	1
19	Power supply	Any reputed	Output Configuration: 4-channel design with	1



No	Equipment	Preferred Brand	Specification	Quantity
		brand/ company that provides minimum of three years of on-site warranty	<p>independent electrical isolation across all outputs</p> <p>Channel Output Ranges: • CH1 & CH2: Adjustable output voltage from 0 to 32V with a current delivery capacity up to 3A • CH3: Variable range 0 to 5V supporting up to 1A • CH4: Output adjustable from 0 to 15V with a load current of up to 1A</p> <p>Constant Voltage Operating Mode Line Regulation: $\leq 0.01\% + 3 \text{ mV}$ (approximate value within rated voltage range)</p> <p>Load Regulation: $\leq 0.01\% + 3 \text{ mV}$ (across rated load variation)</p> <p>Ripple & Noise: $\leq 1 \text{ mVrms}$ across full bandwidth</p> <p>Constant Current Operating Mode Line Regulation: $\leq 0.2\% + 3 \text{ mA}$</p> <p>Load Regulation: $\leq 0.2\% + 3 \text{ mA}$</p> <p>Ripple Current: $\leq 3 \text{ mArms}$ (typical)</p> <p>Safety & Operational Features</p> <p>Output Control: Independent output ON/OFF switching functionality is required</p> <p>Voltage Resolution: Approximately 100 mV (*1)</p> <p>Current Resolution: Approximately 10 mA (*1)</p> <p>Display Parameters</p> <p>Display Units: Four separate displays required for individual channel status visualization</p> <p>Display Type: 4.3-inch LCD (color or monochrome as applicable)</p> <p>Functional Features</p> <p>Tracking Operation: Supported (required for synchronizing output behavior)</p> <p>Auto Series/Parallel: Supported (automatic internal reconfiguration required)</p> <p>Power Requirements</p> <p>Supply Input: 230V AC $\pm 10\%$, 50 Hz</p> <p>Mechanical Specifications</p> <p>Maximum Dimensions (W \times H \times D): Within 200 mm \times 100 mm \times 200 mm</p> <p>Maximum Weight: 10 kg or less</p>	
20	Signal Generator	Any reputed brand/ company that provides minimum of three years of on-site warranty	<p>Output Function: The equipment shall provide output waveforms including sine, square, triangle, and TTL signals as required.</p> <p>Frequency Range: For sine and square waveforms: approximately 0.1 Hz up to 3 MHz. For triangle waveform: approximately 0.1 Hz up to 1 MHz.</p> <p>Frequency Resolution: Frequency resolution shall be maintained within a maximum of 0.1 Hz.</p> <p>Frequency Stability: The frequency stability shall be within $\pm 20 \text{ ppm}$ (parts per million).</p> <p>Frequency Accuracy: The frequency accuracy shall be maintained within $\pm 20 \text{ ppm}$.</p> <p>Frequency Aging: Frequency aging shall not exceed $\pm 5 \text{ ppm}$ per annum.</p> <p>Amplitude Range: Output amplitude shall be up to 10 V peak-to-peak (V_{p-p}) into a 50 Ω load.</p> <p>Amplitude Accuracy: Amplitude accuracy shall be within $\pm 20\%$ at maximum amplitude setting.</p> <p>Output Impedance: Nominal output impedance shall be 50 Ω with a tolerance of $\pm 10\%$.</p> <p>Attenuator: A single-step attenuator of -40 dB $\pm 1 \text{ dB}$ shall be provided.</p> <p>Display: A 6-digit LED display shall be incorporated for parameter indication.</p> <p>Output Control: Output shall be controlled via an ON/OFF selector switch.</p> <p>Power Source: The device shall operate on an AC supply of 240 V, 220 V, or 110 V $\pm 10\%$, with frequency 50/60</p>	1



No	Equipment	Preferred Brand	Specification	Quantity
			Hz. Ambient Operating Temperature: Normal operation shall be ensured within the ambient temperature range of 0 °C to 40 °C. Dimensions: Maximum dimensions shall not exceed 255 mm (W) × 95 mm (H) × 295 mm (D). Weight: Maximum device weight shall be within 2.5 kg.	
21	Bench Top Multimeter	Any reputed brand/ company that provides minimum of three years of on-site warranty	DC Voltage: Range: 500 mV to 1000 V across 5 ranges. Accuracy: $\pm(0.03\% \text{ rdg} + 4 \text{ digits})$. Input impedance: 10 M Ω . AC Voltage (True RMS): Range: 500 mV to 1000 V across 5 ranges. Accuracy: $\pm(0.5\% - 5\% \text{ rdg} + \text{digits})$ depending on frequency and range. Input impedance: 10 M Ω . DC Current: Range: 500 μ A to 20 A across 6 ranges. Accuracy: $\pm(0.02\% - 0.3\% \text{ rdg} + 2 \text{ digits})$ depending on range. AC Current (True RMS): Range: 500 μ A to 20 A across 6 ranges. Accuracy: $\pm(0.5\% - 1\% \text{ rdg} + \text{digits})$ depending on frequency. Resistance: Range: 500 Ω to 20 M Ω across 6 ranges. Accuracy: $\pm(0.1\% - 0.3\% \text{ rdg} + \text{digits})$ depending on range. Diode Test: Max forward voltage 1.5 V, open voltage 2.8 V. Capacitance: Range: 5 nF to 50 μ F. Accuracy: $\pm(2\% \text{ rdg} + 4 \text{ digits})$. Frequency: Input level varies by range; functions include Auto/Manual Range, Max, Min, dBm, Rel, Hold. Continuity Beep: Threshold <5 Ω . Display: Dual 7-segment LED, 0.4" and 0.5". Power Source: AC 100/120/230 V $\pm 10\%$, 50/60 Hz. Dimensions & Weight: Approximately 251 × 91 × 291 mm; 2.6 kg.	1
22	Non-Contact Voltage Tester	Any reputed brand/ company that provides minimum of three years of on-site warranty	Function: Non-contact AC voltage detection tester. Voltage Detection Range: Approximately 90 V to 1000 V AC. Detection Method: Capacitive, with visual and audible indication. Sensitivity: Adjustable sensitivity for different voltage ranges. Response Time: Instantaneous detection within standard operating conditions. Indicators: Bright LED indicators and audible beep for voltage presence. Operating Environment: Suitable for use in ambient temperatures from 0 °C to 40 °C. Power Source: Powered by standard batteries (typically 2 × AAA or equivalent). Safety Standards: Complies with IEC/EN 61010-1 CAT III 1000 V safety standards. Dimensions: Compact, handheld design suitable for field use (approx. 150 mm × 30 mm × 25 mm). Weight: Lightweight, approximately 150 g for ease of portability.	1
23	LCR Meter	Any reputed brand/ company that provides minimum of three years of on-site warranty	Display: Approximately 2.8" TFT touch LCD screen. Resolution: 25,000 or above counts resolution on both primary and secondary displays. Basic Accuracy: Within $\pm 0.2\%$ under standard conditions. Test Frequencies: Six or eight selectable frequencies depending on model variant. Measurement Combinations: Up to 15 different measurement combinations available. Test Level:	1



No	Equipment	Preferred Brand	Specification	Quantity
			Selectable AC test levels approximately 0.3 V, 0.7 V, and 1 V rms; DC test level selectable at ± 1 V. Measurement Speed: Selectable measurement speeds of approximately 10 measurements per second (fast) and 2.5 measurements per second (slow). Auto LCR Mode: Automatic identification and measurement of component types within supported ranges. Data Hold: Feature available to hold measured data on display. Interface: USB virtual COM port provided for remote communication capabilities. Software: Datalogging software available for data capture and analysis.	
24	Soldering Station	Any reputed brand/ company that provides minimum of three years of on-site warranty	Power Rating: Approximately 60 W maximum output power. Temperature Range: Adjustable from approximately 200 °C up to 480 °C. Temperature Stability: Within ± 2 °C under normal operating conditions. Heating Element: Ceramic heating element for rapid heat-up and efficient temperature maintenance. Display: Digital or analog temperature display (depending on variant) for precise temperature control. Temperature Control: Adjustable via knob or digital interface with fine resolution. Power Supply: AC 220 V $\pm 10\%$, 50/60 Hz. Safety Features: Thermal cutoff and overload protection within required standards. Dimensions: Compact design with 100 mm \times 100 mm \times 90 mm (W \times H \times D) or above Weight: Approximately 1.5 kg for ease of portability and bench use.	3
25	Digital Microscope	Any reputed brand/ company that provides minimum of three years of on-site warranty	The microscope should have following specifications: Magnification: 1600X Light source: 8 LED lights Resolution: 1920 \times 1080, 640 \times 480 Pixel: 30W Focal length: 3-40mm manual adjustment Support Android 4.2 or above/windows/Mac system	1
26	Desoldering Machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	Soldering Iron Power: Up to approximately 60 W output power with temperature adjustable within approximately 200 °C to 480 °C range. Heating Element: Needle bit with MCH heater providing rapid heat-up and stable temperature control within ± 2 °C. Hot Air Blower Power: Up to approximately 500 W output power with temperature adjustable within approximately 200 °C to 450 °C range, multiple nozzles included. Hot Air Features: Auto-pause function on placement in cradle, airflow adjustable within operational limits. DC Power Supply: Provides output voltage approximately 15 V up to 2 A maximum current plus 5 V USB output for auxiliary power. Control: Microcontroller-based system with LED indicators for temperature and mode selection. Safety: ESD-safe design compliant with applicable standards. Build: Metallic body with powder coating, approximate dimensions 280 mm \times 180 mm \times 140	1



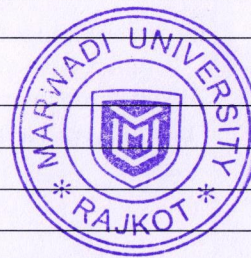
No	Equipment	Preferred Brand	Specification	Quantity
			mm (W × H × D). Weight: Approximately 3.5 kg. Power Source: AC 220 V ±10%, 50/60 Hz. Accessories: Includes soldering iron with needle bit, hot air blower with 3 nozzles, iron stand with sponge, hot air cradle, patch cord, and power cord. Operating Temperature: Suitable for ambient temperature approximately 0 °C to 40 °C	
27	Hand Drill Machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	Should have following specifications: Rated Input Power: Approximately 500 W or above maximum power consumption. Bit Holder: Standard 1/2"-20 UNF thread type. No-Load Speed (1st Gear): Adjustable from 0 up to approximately 15000 rpm. Power Output: Approximately 300 W continuous output power. Weight: Approximately 1.7 kg total device weight. Impact Rate at No-Load Speed: Variable from 0 up to approximately 48,000 bpm. Rated Torque: Approximately 1.4 Nm maximum torque output. Drill Spindle Connecting Thread: Standard 1/2"-20 UNF thread. Chuck Capacity (Min/Max): Approximately 1.5 mm minimum to 13 mm maximum.	2
28	Cordless drill	Any reputed brand/ company that provides minimum of three years of on-site warranty	Should have following specifications: Torque (soft/hard/max.): Min 21/50/- Nm No-load speed (1st gear / 2nd gear): Min 0 – 500 / 0 – 1,900 rpm Weight incl. battery: 1.3 kg or less Max. impact rate: 27,000 bpm Battery type: Lithium-Ion or equivalent Chuck capacity, min./max.: 1.5 / 13 mm Weight excl. battery: 0.99 kg Torque settings: 20+2 or better	2
29	Jig Saw	Any reputed brand/ company that provides minimum of three years of on-site warranty	Rated Input Power: Approximately 500 W maximum power consumption. Voltage, Electrical: Nominal 230 V AC supply. Saw Stroke Length: Approximately 20 mm stroke length. Stroke Rate at No Load: Adjustable within approximately 800 to 3,100 spm (strokes per minute). Weight: Approximately 2.08 kg total weight. Bevel Angle: Adjustable within approximately -45° to 45° range.	1
30	Miter Saw	Any reputed brand/ company that provides minimum of three years of on-site warranty	Rated Input Power: Approximately 1,750 W maximum power consumption. Saw Blade Diameter: Approximately 254 mm nominal diameter. Mitre Setting: Adjustable up to approximately 47° left and 52° right. Bevel Setting: Adjustable up to approximately 45° left and 0° right. Saw Blade Bore Diameter: Approximately 25.4 mm standard bore. Cutting Capacity at 0°: Approximately 90 mm × 130 mm maximum cross-section. Cutting Capacity at 45° Mitre: Approximately 90 mm × 91 mm maximum cross-section. Cutting Capacity at 45° Bevel: Approximately 60 mm × 130 mm maximum cross-section. Tool Dimensions (W×L×H): Approximately 477 mm × 559 mm × 567 mm. No-Load Speed: Fixed at approximately 5,000 rpm. Weight: Approximately	1



No	Equipment	Preferred Brand	Specification	Quantity
			11.1 kg.	
31	Hot air gun	Any reputed brand/ company that provides minimum of three years of on-site warranty	Rated Input Power: Approximately 1,800 W maximum power consumption. Voltage, Electrical: Nominal 230 V AC supply. Weight: Approximately 0.75 kg. Working Temperature Range: Adjustable within approximately 60 °C to 550 °C. Heat-Up Time: Approximately 1 second to reach target temperature. Airflow: Adjustable	2
32	Table saw	Any reputed brand/ company that provides minimum of three years of on-site warranty	Rated input power: Max 1800 W Incline setting: 45 ° L / 0 ° R Table size: Up to 555 x 555 mm Saw blade diameter: 254 mm Cutting height 90°: 80 mm Cutting height 45°: 55 mm Saw blade bore diameter: 30 mm Weight 24.4 kg or less Max. cutting capacity on the right: 545 mm No-load speed: 4300 rpm Cutting height 90°: 80 mm Cutting height 45°: 55 mm	1
33	Bench TopGrinder Machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	Grinding wheel diameter: min 150 mm Rated input power: 350 W or more Grinding wheel widths: 20 mm or more No-load speed: upto 3,000 rpm Grinding wheel bore: 20 mm/2cm Grit 24, 60 or more Weight: 10 kg or less	1
34	Power Circular Saw	Any reputed brand/ company that provides minimum of three years of on-site warranty	Rated Input Power: Approximately 1,400 W maximum consumption. Saw Blade Diameter: Nominal 184 mm diameter. Saw Blade Bore Diameter: About 20 mm standard bore size. Guide Rail Compatibility: Not compatible with guide rails. No-Load Speed: Typically 5,200 rpm. Weight: Around 4.1 kg	1
35	Cordless Screw Driver	Any reputed brand/ company that provides minimum of three years of on-site warranty	Battery Capacity: Around 1.5 Ah nominal capacity. Torque (Soft/Hard/Max): Approximately 14 Nm / 30 Nm / Maximum not specified. No-Load Speed (1st Gear / 2nd Gear): Ranges from 0 up to 400 rpm and 0 up to 1,500 rpm respectively. Battery Type: Rechargeable Lithium-Ion battery. Chuck Capacity (Min/Max): From approximately 0.8 mm up to 10 mm. Weight (Excluding Battery): About 0.8 kg. Torque Settings: 20 plus 1 adjustable settings.	1
36	Vacuum Cleaner	Any reputed brand/ company that provides minimum of three years of on-site warranty	Rated Input Power: Approximately 1,100 W maximum power consumption. Weight: Around 6 kg total weight. Container Volume (Net): Approximately 10 liters capacity. Voltage, Electrical: Nominal 230 V AC supply. Container Volume (Gross): Approximately 15 liters total volume. Container Volume (Net, Water): About 8 liters capacity for water. Filter Surface Area: Around 2,300 cm ² effective filtration area. Airflow Rate (Turbine): Approximately 53 liters per second. Vacuum Pressure (Turbine): Up to 270 mbar vacuum pressure. Number of Wheels: Four wheels for mobility.	1
37	Rotary Tool Kit	Any reputed brand/ company that	Rated Power Input: Approximately 175 W within nominal voltage range. Voltage: Operates within 220 to 240 V AC supply. Weight: Around 0.66 kg total	1



No	Equipment	Preferred Brand	Specification	Quantity
		provides minimum of three years of on-site warranty	mass. Length: Approximately 24 cm overall length. Width: About 4.1 cm nominal width. Depth: Roughly 4.3 cm depth dimension. No-Load Speed: Variable speed ranging from 5,000 up to 35,000 rpm. Battery Technology: Not applicable (n.a.). Speed Setting: Fully variable speed control as required. Accessory Quick Change System: Equipped with multi chuck for rapid accessory interchange. Vibration Level: Approximately 18 m/s ² measured vibration	
38	Rubber Grip Hacksaw	Very Good Quality	Depth of Throat: Approximately 98 mm (3.85 inches) nominal depth. Blade Length: Around 254 mm (10 inches) standard length.	5
39	Hacksaw Mini	Very Good Quality	Blade Length: Approximately 10 inches nominal length. Handle Material: Constructed from metal as standard. Overall Length: Around 11 inches total length.	5
40	Claw Hammer Steel Shaft	Very Good Quality	Weight: Approximately 8 oz (220 grams) nominal weight. Dimensions: Around 27.8 cm × 12.4 cm × 3.6 cm (L × W × H) overall size	5
41	Ball Pein Hammer	Very Good Quality	Weight: Approximately 110 grams nominal weight. Dimensions: Around 32.6 cm × 10 cm × 2 cm (L × W × H) overall measurements.	5
42	Rubber mallet	Very Good Quality	Weight: Approximately 450 grams nominal weight. Dimensions: Around 33.6 cm × 9.6 cm × 6.2 cm (L × W × H) overall size.	5
43	Nylon mallet	Very Good Quality	Weight: Approximately 500 gm	5
44	Open end spanner set 12Pcs	Very Good Quality	Weight: Approx1.74Kg nom.wt. Qty: 12pcs/set. Size: 6mm-32mm overall dims.	2
45	Double end spanner	Very Good Quality	Weight: Approx649g nom.wt. Qty: 8pcs/set.	2
46	Allen key set 10pcs	Very Good Quality	Hex Key Size: 1.5,2,2.5,3,4,5,5.5,6,8,10mm; Qty:10pcs/set	2
47	Allen key set 12pcs	Very Good Quality	BallKeySize:1/16",5/64",3/32",7/64",1/8",9/64",>5/32",3/16",7/32",1/4",5/16",3/8" Qty:12pcs/set	1
48	Combination plier	Very Good Quality	Weight: Approx422g nom.wt. Size: 8"/200mm nominal	2
49	Long nose plier	Very Good Quality	Weight: Approx399g nom.wt. Size:180mm/6" nominal	1
50	Wire Stripper	Very Good Quality	Weight: Approx281g nom.wt. Size:130mm nominal	5
51	Pipe Vice	Very Good Quality	Size: Max 300 mm	2
52	C – clamp	Very Good Quality	Size: Upto 75 mm	5
53	C – clamp	Very Good Quality	Size: Upto 150 mm	5
54	Snap- off Knife	Very Good Quality	Size:18 mmm	10
55	Tin cutter with spring	Very Good Quality	Length: 250 mm	2
56	Hot Glue Gun	Very Good Quality	Power: 40 W	5
57	Small file set	Very Good Quality	Length: 160 mm	1
58	Big file set	Very Good Quality	Length: 200 mm	1
59	Chisel set	Very Good Quality	Weight: 340 gm	3



No	Equipment	Preferred Brand	Specification	Quantity
60	Bench wise	Very Good Quality	Base Type: Fixed Size:2-3½" nominal JawWidth:60mm	5
61	Router Bit Starter Kit	Very Good Quality	Pieces Per Set: 15 pcs	1
62	Baby wise	Very Good Quality	Vice Type: Bench Size:2" nominal JawWidth:50mm	5
63	Ratchet Set	Very Good Quality	Vice Type: Bench Sz:2" nominal; Jaw:50mm	2
64	Digital Vernier Caliper	Very Good Quality	Product Type: Digital Calliper Meas.Range:0-150mm / 0-6" Resolution:0.01mm	2
65	Micrometer	Very Good Quality	Resolution:0.001mm/0.00005" Meas.Range:0- 25mm/0-1"	1
66	Steel Rule 300mm	Very Good Quality	Product Type: Steel Rule ScaleSize:12"/300mm Material: Stainless Steel	1
67	Steel Rule 600mm	Very Good Quality	Product Type: Steel Rule ScaleSize:24"/600mm Material: Stainless Steel	1
68	Engineering Square	Very Good Quality	Size:150×80mm nominal Material: Carbon Steel	2
69	Meter Tape 30m	Very Good Quality	Length: 30 m	1
70	Measuring Tape 3M	Very Good Quality	Length: 3 m	1
71	Measuring Tape 5M	Very Good Quality	Length: 5 m	1
72	Spirit Level	Very Good Quality	Vials:3 Accuracy:0.5mm/m Length:300mm Product Type: Level	1
73	Fire Extinguisher	Very Good Quality	Fire Extinguisher- Industrial Standard Make	1
74	First Aid Kit	Very Good Quality	First Aid Kit - Industrial Standard Make	1
75	Normal Oven	Any reputed brand/ company that provides minimum of three years of on-site warranty	Oven Cap: 20L or more Type: Solo Door: Side Swing Child Lock: Yes Completion Beeper: Yes Power Levels: upto 5 Control: Membrane Type Cavity Mat: Anti-Bacterial Dims(mm):455×252×320 PowerOut:700W or less	1
76	Refrigerator	Any reputed brand/ company that provides minimum of three years of on-site warranty	Capacity:183L or more AnnualEnergyConsumption:148kWh/Year or less RefrigeratorFreshFoodCapacity:165L or more Freezer Capacity: min 18L BottleCount:5 or more NoiseLevel:40dB or less Installation Type: Freestanding	1
77	Smart Board	Branded Company Product with at least three years product warranty	Should have following specifications Display Size: Approx 75Inch (190 cm) Up to Resolution: 4KUHDorHigher Brightness: Min 350 nits; Typ400nitsApprox Contrast Ratio: Typ 1200: 1Upto Response Time: Approx 8ms Viewing Angle: Approx178DegreesWide WorkingFrequency:1.5GHzNominal RAM:4GBOrMore InternalStorage:32GBMin OS: Android Based HDMI: 3Ports USB: 2Ports Sensing Type: Infrared Touch Frame Surface Protection: 4mm Toughened Glass Or Equivalent Infrared Touch Points: 20Approx	1



No	Equipment	Preferred Brand	Specification	Quantity
			Voltage:DC+5V±5%Range OPS: Optional	
78	Projector	Branded Company Product with at least three years product warranty	Projection Tech: RGB liquid crystal shutter projection (3LCD) Up to Connectivity: USB Type B: 1port (FirmwareUpdate/Copy OSD) Approx AnalogInput:D-Sub15pin:1port Digital Input: HDMI:1port Projection Lens: Type: No Optical Zoom/Focus (Manual)Nominal FocalLength:16.70mm Approx FNumber:1.44 Nominal Zoom:1.44-1.95 Ratio (Wide to Tele) ThrowRatioRange:1.00-1.35(Digital Zoom Approx	1
79	Printer	Branded Company Product with at least three years product warranty	Functions: Print, Scan, Copy Printer Type: Laser Nominal Dims(mm):409×398.5×267Approx Weight:9.7KgNominal PrintSpeed:Upto30ppm(A4Size)Approx Warranty:1YearOn-Site PrintResolution:600×600dpi,HQ1200(2400×600dpi) Quality Approx 2Sided-Duplex- PaperType:Plain,Thin,RecycledApprox 2Sided-Duplex-PaperSize:A4 PaperHandling:Tray#1- PaperType:Plain,Thin,Recycled Tray#1- MaxCapacity:Upto250Sheets(80g/m ²)Approx PaperOutput:Upto100Sheets(80g/m ²)FaceDownTra y;OneSheetFaceUpTrayApprox Copy- Colour /Mono: Yes/Yes Multiple Copies: Sorts/StacksUpto99PagesApprox Enlarge/Reduce:25%-400%(In1%Steps)Approx CopyResolution:600×600dpi 2Sided-Duplex- CopyPaperType:Plain,Thin,Recycled 2Sided-Duplex- CopyPaperSize:A4 Scan- ResolutionInterpolated:Upto19200×19200dpiAppro x Scan-ResolutionGlass:Upto600×2400dpiApprox Connectivity:Hi-SpeedUSB2.0 DisplayType:16Chars×2Lines MemoryCapacity:32MBAapprox PowerSource:220-240VAC50/60Hz PowerConsumption- Ready:Approx60W PowerConsumption- Sleep:Approx6.6W PowerConsumption- Off:Approx0.08W NoiseLevel:50dB(A)Approx	1
80	Desktop/ Workstation	Branded Company Product with at least three years product warranty	CPU: INTEL CORE I7-12THGEN or Higher RAM:8GB+512GB SSD or more Conn: LAN+WIFI+BLUETOOTH+KEYMOUSE Display:20" DESKTOP MONITOR	5
81	3D printer Filament	Very Good Quality	Weight Kg: 1 Approx Melt Flow Index: 2 (190°C/2.16kg) Nominal FilamentLength:330mApprox Dim Accuracy: +/- 0.1mmApprox Roundness Accuracy: +/-0.5mmApprox SpoolInnerDia:55mmNominal SpoolOuterDia:200mmApprox SpoolWeight:300gNominal SpoolWidth:65mmApprox	10
82	Acrylic Sheet	Very Good Quality	3mm, 4ft x 4ft	20



No	Equipment	Preferred Brand	Specification	Quantity
83	Acrylic Sheet	Very Good Quality	4mm, 4ft x 4ft	20
84	Acrylic Sheet	Very Good Quality	5mm, 4ft x 4ft	20
85	Foam Sheet	Very Good Quality	8mm, 4ft x 4ft	2
86	Foam Sheet	Very Good Quality	10mm, 4ft x 4ft	1
87	Foam Sheet	Very Good Quality	12mm, 4ft x 4ft	1
88	Foam Sheet	Very Good Quality	15mm, 4ft x 4ft	1
89	Ply Board	Very Good Quality	5mm, 2ft x 4ft	12
90	Nylon Rod	Very Good Quality	10mm, 1m	5
91	Nuts	Very Good Quality	3mm,4mm,5mm,6mm,8mm,10mm,12mm Pack of 100	1
92	Bolts	Very Good Quality	3mm,4mm,5mm,6mm,8mm,10mm,12mm dia 1" Inch Pack of 100	1
93	Screws	Very Good Quality	3mm,4mm,5mm Pack of 100	1
94	Washers	Very Good Quality	3mm,4mm,5mm,6mm,8mm,10mm,12mm Pack of 100	1
95	Studs	Very Good Quality	6mm,&8mm	2
96	Nails	Very Good Quality	(1",2",3",1.5",5") Pack of 100	1
97	Fevicol 2Kg	Very Good Quality	NA	1
98	2 Way Tape	Very Good Quality	NA	10
99	PVC Pipe	Very Good Quality	.75" x 10ft	10
100	PVC Pipe	Very Good Quality	1" x 10ft	10
101	PVC Pipe	Very Good Quality	1.5" x 10ft	10
102	PVC Pipe	Very Good Quality	2.0" x 10ft	10
103	Aluminium channels (L, C, Box, strip length 12ft)	Very Good Quality	NA	2
104	PCB Drill Bit	Very Good Quality	0.4mm	10
105	PCB Drill Bit	Very Good Quality	0.8mm	10
106	PCB Drill Bit	Very Good Quality	1mm	10
107	Drill Bit	Very Good Quality	3mm , 4mm	2
108	Drill Bit	Very Good Quality	5mm, 6mm	2
109	Drill Bit	Very Good Quality	8mm, 10 mm, 12 mm	2
110	Magnifying Glass with Stand	Very Good Quality	Heavy Base 5X Magnifying Glass with Led Light and Stand, 3 Color Modes Dimmable, Flexible Metal Arm	2
111	Measuring Equipment	Very Good Quality	Vernier Calliper: Measurement range (e.g., 0-200mm) and resolution with Least count 0.02mm Vernier Height Gauge: Measurement range of 0-300mm and resolution with Least count 0.02mm	1 Each
112	Clothes Iron	Any reputed brand/ company that provides	Power Supply Frequency 50 Hz Power Consumption	5



No	Equipment	Preferred Brand	Specification	Quantity
		minimum of three years of on-site warranty	1000 W Power Input 220 - 240 V	
113	Carpentry Boring Bits	Very Good Quality	Entire Kit	1 Kit
114	Electronics Active and Passive Components	Very Good Quality	Resistors, Capacitors, Diodes and Transistors	10 Each
115	USB Cables	Very Good Quality	For connecting Arduino and other development boards	10
116	Glue Sticks	Very Good Quality	NA	50
117	Hacksaw Blades	Very Good Quality	6' & 12'	10 each
118	9V Battery snaps	Very Good Quality	Battery Connector	20
119	LAN Cables	Very Good Quality	For connecting Raspberry PI	5
120	9V Batteries	Very Good Quality	600-1000 mAh	20
121	Manual PCB Drilling Machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	High Quality PCb Manually Drilling machine With 0.3 mm to 1.6 mm Drill set	3
122	PCB Power Drilling Machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	Voltage 12 Volts Power Source Corded Electric Able to hold 04-1 mm PCB drill bit	3
123	File Handles	Very Good Quality	Set	1
124	Needle Files	Very Good Quality	Set	2
125	Dremel Multi Tool Kit	Any reputed brand/ company that provides minimum of three years of on-site warranty	NA	2
126	Belt and Disc Sanding Machine	Any reputed brand/ company that provides minimum of three years of on-site warranty	Product Dimensions 46L x 35W x 28H Centimeters Voltage 230 Volts (AC) Power Source Corded Electric Grit Number 80.00 Maximum Rotational Speed 2980 RPM Item Weight 13 Kilograms Feature: Horizontal, Vertical & Angle SANDING	1
127	Tool Wall Covering perforator	Very Good Quality	Item Weight: 454 g Item Dimensions LxWxH: 22.9 x 14.6 x 1 Centimeters	3



No	Equipment	Preferred Brand	Specification	Quantity
128	Power Return Measuring Tap	Very Good Quality	Length : 25.000 FT Standout : 6.000 FT Type : Power Return Weight : 0.890 LB (0.400 KG) Width : 1.000 IN (2.500 CM)	5
129	Power Router	Any reputed brand/ company that provides minimum of three years of on-site warranty	Power Source Corded Electric Product Dimensions 8.8W x 18.8H Centimeters Item Weight 1.4 Kilograms Horsepower 0.69 Horsepower Rated input power - 550 W No-load speed - 33,000 RPM Compatible collet dia - 6 mm	1
130	Impact Drill	Any reputed brand/ company that provides minimum of three years of on-site warranty	Maximum Rotational Speed: 3000 RPM Voltage: 240 Volts (AC) Amperage: 14 Amps Maximum Chuck Size: 13 Millimeters Feature: Variable Speed Attached Components: Drill Attachment Product Dimensions: 28L x 7.2W x 27.5H Centimeters	3
131	Centrifugal Blower	Any reputed brand/ company that provides minimum of three years of on-site warranty	Blower Type: Air Blower Weight: 1.4 kg Detachable Nozzle Power Source: Corded Power: 600 W Vacuum Included	1
132	Cutting Mats	Very Good Quality	No of layers: 5 Product Dimensions: 60L x 45W x 1Th Centimeters Material: Polyvinyl Chloride (PVC)	5
133	Air Compressor	Any reputed brand/ company that provides minimum of three years of on-site warranty	Power Source: max 2HP Single Phase Corded Electric Included Components: Compressor, 2 Wheel, 2 Stands, Nozzle, Manual Tank Volume 50 Litres Discharge Pressure: 8Bar	1
134	Tongue and Groove Pliers	Very Good Quality	Size: 200 mm (8 inches)	5
135	Fish Tape	Very Good Quality	Length: 30 m	2
136	Flash Lights	Very Good Quality	Rechargeable Torch Light 2000 Lumens 60W ultra bright LED light	2
137	Solder Wick	Very Good Quality	Roll: 10ft Length	10
138	Glass Cutter	Very Good Quality	2-20mm Glass Cutting Tool Set	1
139	Gypsum powder	Very Good Quality	NA	10 KG
140	Anvil	Very Good Quality	20KG Anvil Length: 46 cm	1
141	Drimel Moto Saw	Any reputed brand/ company that provides	AC Electric Saw 220-240 V Voltage: 120 Volts Weight upto 3 - 5 kg Blade Type: HSS	1



No	Equipment	Preferred Brand	Specification	Quantity
		minimum of three years of on-site warranty	With blade kit	
142	Ratchet Clamp	Very Good Quality	8 Inches / 200 mm	10

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 as mentioned in the purchase order issued by the purchaser. The delivery location will be specified in the purchase order (e.g., XYZ Institute of Technology, [Insert Address]). The entire contract shall remain valid for a period of three (3) months from the date of 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 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 based on 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 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. Submission Deadline and Contact Details

All quotations must be submitted by 21 March 2026, 5: 00 pm to:

Email: vivekg.patel@marwadieducation.edu.in and sent in hard copy to:

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

