



**Khalsa College of Engineering & Technology**  
**ਖਾਲਸਾ ਕਾਲਜ ਆਫ ਇੰਜੀਨੀਅਰਿੰਗ ਐਂਡ ਟੈਕਨੋਲੋਜੀ**  
{Approved by AICTE, New Delhi & Affiliated to IKG Punjab Technical University, Jalandhar (Govt. of Punjab)}  
**Accredited by NAAC Grade "A"**



Tender Document  
For  
Supply & Installation of  
Lab Equipment for AICTE-IDEA Lab  
at  
Khalsa College of Engineering and Technology, Amritsar

Tender Notification No. : KCET/IDEALAB/01/03/2026  
Last Date of Submission : 08-03-2026

Khalsa College of Engineering and Technology,  
C-Block, Ranjit Avenue, Amritsar  
Phone: , Email: [kcetamritsar@gmail.com](mailto:kcetamritsar@gmail.com)  
Website: [www.kcet.co.in](http://www.kcet.co.in)



## **Terms and Conditions**

Khalsa College of Engineering and Technology, C-Block, Ranjit Avenue, Amritsar a premier institution under the aegis of Khalsa College Charitable Society, Amritsar, invites sealed tenders for the supply and installation of Lab Equipment for the AICTE IDEA Lab initiative. You are requested to quote your best offer along with the complete details of specifications, terms and conditions.

### **1. Preparation and Submission of Tender:**

The quotation should be submitted in a sealed envelope, clearly superscripted with the tender number and "Tender for Supply & Installation of AICTE Idea Lab, Khalsa College of Engineering and Technology, C-Block, Ranjit Avenue, Amritsar". The same should be addressed to:

Director-Principal, Khalsa College of Engineering and Technology, C-Block, Ranjit Avenue, Amritsar

The last date and time for the submission of sealed quotations is 28<sup>th</sup> February 2026 by 15:00 Hrs. Any bids received beyond this deadline will be summarily rejected.. All the submitted tenders will be opened on the same day at 04:00 PM in the Conference Room, Director- Principal Office, Khalsa College of Engineering and Technology, C-Block, Ranjit Avenue, Amritsar

- Vendors are advised to regularly visit the Institute's website for updates and important announcements related to the tender.
  - All sealed envelopes must clearly indicate the name and address of the bidder in the bottom right corner.
  - The contents of the envelope should be properly tied or securely bound to prevent any loss or mix-up of documents.
  - Only sealed bids will be accepted. Bids submitted in open or unsealed formats shall be summarily rejected.
- 2. Bid Amount:** The amount should be quoted only in Indian Rupees (INR) on DOOR Delivery Basis at Khalsa College of Engineering and Technology, C-Block, Ranjit Avenue, Amritsar and payment shall be made to successful bidder only in Indian rupees.
- 3. GST/Taxes etc.:** Any GST/taxes if payable should be clearly mentioned otherwise no GST/taxes/charges will be paid by the Institute.
- 4. The Bidders may be required to demonstrate the quoted model during the technical evaluation on free of cost, no claim in this regards will be entertained. If required, failing with their bids/offer shall be rejected. The firms are intimated that they should get ready for demonstration and only one-week time will be provided for arrangement of demonstration and no request for extending time for demonstration will be entertained. Failure to demonstrate, their bids/offer will be summarily rejected.**
- 5. Specification:** The vendor must confirm in writing that the goods supplied & installed by them shall be as per specification of goods mentioned in Annexure - "I" and in case of any variation, the contract shall be liable to be cancelled immediately.
- 6. Quality of goods:** The firm will be entirely responsible for quality of supplied goods/ materials. The supplier should replace the rejected/ damaged stores, failing which



- penalty will be imposed by the Institute.
7. **Validity:** The quoted rates must be valid for a period of 180 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected. In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected.
  8. **Warranty / Guarantee:** Bidder must provide comprehensive on-site warranty and it will be started from the date of the satisfactory installation / commissioning of goods, against the defect of any manufacturing, workmanship and poor quality of the components.
  9. **Delivery, Installation, and Training:** All goods ordered shall be delivered, installed, commissioned, and comprehensive training should be provided. All aspects of safe delivery, installation, commissioning, and effective training shall be the exclusive responsibility of the supplier.
  10. **Inspection:**
    - Khalsa College of Engineering and Technology, shall have the right to inspect and/or to test the goods to confirm their conformity to the Specifications at no extra cost to the Purchaser.
    - Khalsa College of Engineering and Technology right to inspect, test and, where necessary, reject the Goods after the goods arrival at the final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by Khalsa College of Engineering and Technology prior to the goods shipment.
    - Director- Principal, Khalsa College of Engineering and Technology shall be the final authority to reject full or any part of the supply which is not conforming to the specifications and other terms and conditions.
    - No payment shall be made for rejected Stores. Rejected items must be removed by the Bidders within two weeks of the date of rejection at their own cost and replaced immediately. In case these are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.
  11. **Payment Term:** The Bill in triplicate may be send to this office for settlement after satisfactorily delivery, Installation, commissioning and necessary training of the material. The bill should have full particulars of the items. Payment shall be made to successful bidder only in Indian rupees. The Contractor shall submit the bill only after satisfactorily delivery, Installation and commissioning of the material to the satisfaction of the Institute.
  12. **Subletting of Work:** The firm shall not assign or sublet the work/job or any part of it to any other person or party without having first obtained permission in writing of Institute, which will be at liberty to refuse if thinks fit. The tender is not transferable. Only one tender shall be submitted by one tenderer.
  13. **Breach of Terms and Conditions:** In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to reject the bid at any stage without assigning any reason thereof and nothing will be payable by the Institute.
  14. **Insolvency etc:** In the event of the firm being adjudged insolvent or having receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for



winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified. The Institute shall have the power to terminate the contract without any prior notice.

**15. Applicable Law:**

- The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.
- Any disputes are subject to exclusive jurisdiction of competent court and forum in Amritsar, Punjab only.
- The Arbitration shall be held in accordance with the provision of the Arbitration and conciliations Act, 1996 and the venue of arbitration shall be at Amritsar, Punjab. The decision of the Arbitrator shall be final and binding on the both parties.
- Force Majeure: Any delay due to Force Majeure will not be attributable to the supplier.

**16. General Terms and Conditions:**

- The items will have to be supplied at Institute site. No transportation/ cartage charges will be provided for the same.
- Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.
- The vendor must submit a certificate as per “Annexure-II” on the official letterhead of the company/firm, duly signed and stamped by the authorized signatory.
- After due evaluation of the bid(s), Khalsa College of Engineering and Technology, C-Block, Ranjit Avenue, Amritsar reserves the right to award the contract to the most suitable and responsive tenderer on an individual item- wise basis. The decision will be based on a comprehensive assessment of quality, specifications, and quoted rates, rather than price alone.
- Conditional bids will be considered unresponsive and are liable to be rejected.
- The Institute also reserves the right to accept any tender in part or in full, or to reject any or all tender(s) without assigning any reason. Furthermore, the tendering process may be cancelled at any stage prior to the award of the contract without incurring any liability towards the affected bidder(s).
- Vendors must submit their Bids strictly in the format mentioned below:

Sr. No.	Name of the Equipments	Specifications	Qty.	Unit Price (INR)	GST/Taxes (%)	GST/Taxes (INR)	Total Price (INR)
1							



**(ANNEXURE - I)**

**List of Equipments with Specifications for AICTE IDEA Lab**

Name of Equipment	Quantity	Remarks (Specifications)	Preferred Make
Laser Cutter	1	Cutting Area: 1220 x 915 mm (4 x 3 ft); Laser Power: 100 Watt; Stepper Motor; Max Cutting Thickness: 20 mm Acrylic; Travelling Speed: 0.1 to 600 mm/s; Reposition Accuracy: 0.02 mm; Min Letter Size: 1 mm; Belt Transmission; Manual Z-Axis; Power Adjustment: 1 to 100%; OS: Windows 7 (32-bit); Interface: USB, Udisk, Ethercad; Formats: PLT, DXF, BMP, JPG, AI, DWG, GIF, HPGL; Memory Buffer: 128 MB; Voltage: 220V/50 Hz; Environment: 45°C, 5%-80% Humidity	Sil Pvt. Ltd. or Equivalent
Vinyl Cutter	1	Working width -2 feet with desktop Computer & UPS Printing Speed: 19.69 in/s (500 mm/s) (all directions) Product description: Desktop cutter / vinyl cutter Power: AC 100 to 240 V +-10 % 50/60 Hz 1.7 A Dimensions: 33.5 in (W) x 12.2, Bed size: 2 to 3 feet	Sil Pvt. Ltd. or Equivalent
3D Printer	1	3D printer featuring a 300*300*300 mm build volume, 6.6" 4K mono panel (35 qm XY, 10 qm Z resolution), 405 nm COB LED light, CNC precision Z-axis, metal- acrylic body, 7" HD touchscreen, USB/Ethernet input, Chitubox software, and U3DS OS L1.01	Bambu Lab or Equivalent
3D Scanner	1	3D scanner with a 5*5*5 mm to 930*580*1000 mm scan volume, 0.02 mm accuracy, 60-second scan speed, LED light source, USB-C connectivity, Windows/macOS compatibility	Creality or Equivalent
CNC Router	1	Machining Area: 1300 x 2500 x 200 mm; Spindle: 6.0 KW Air Cooled (Hiteco, Italy); Spindle RPM: 18000 max; Transmission: Helical Rack & Pinion with Gear Box; Operating System: Handheld Controller; Tool Diameter: 03 to 016 mm; Driving System: AC Servo Motor (Leadshine); Max Speed: 30 m/min; Power Supply: AC 420V/3PH; Weight: 970 kg, Bed size: 2 to 3 feet	Make : Lakshmi International
Mini Desktop Lathe cum Milling	1	250mm center distance, 100-3000 rpm spindle speed, 0.01 mm precision, variable speed motor, and manual/automatic feed	Standard Manufacturer
Drilling M/c 1 HP Motor	1	1 HP Motor, Pillar type	Standard Manufacturer



Handheld High Speed Drilling M/c-15000 RPM with accessories - 2 Nos.	2	15000 RPM with accessories	Bosch or Equivalent
Benchtop Grinder Machine	1	Power: 600 W, Speed: 3000-3600 RPM, Wheel Diameter: 200 mm	Stanley or Equivalent
Solder stations (5 Nos.)	5	Power Output: 60-75 W, Temperature Range: 200°C - 480°C, Temperature Control: Digital or analog with precise adjustment	Soldron or Equivalent
Desoldering M/c	1	power consumption 600 watt, air temp 100 - 500 °C	Soldron or Equivalent
Advanced, motorized Sewing Machine	1	Heavy-duty speed control, and options like drop feed for free-motion sewing, buttonhole functions, twin-needle capability, and high-speed stitching (800-1100 SPM), 20+ stitch functions	Usha or Equivalent
Wood Lathe	1	minimum 500W motor, variable speed range of 650-3800 RPM, digital speed display, minimum 12" swing over bed, minimum 18" between centers, MT2 tapers, and heavy-duty cast iron construction for stable and precise woodturning	Standard Manufacturer
Power Tools	1	GSB 500 RE Corded-Electric Drill Tool Set   500 W Motor   100-piece Tools Box Kit   Speed Range upto 2600 RPM   Impact Rate upto 41600 BPM   Chuck Capacity of 10 mm   1 Yr Warranty	Bosch
Portable Welding M/c	1	300A IGBT inverter ARC welding machine, with Hot Start, Anti-Stick, Arc Force control, and 1.6-5mm electrode size.	Cheston or Equivalent
Refrigerator	1	Capacity 200 Litres	Standard Manufacturer
Normal and Microwave Oven	1	Capacity 20L to 30L	Standard Manufacturer
Magnifying Glass with Stand- 2 Nos.	2	Maginification : 2.5x, 3 color modes, stepless dimmable LED, flexible gooseneck, hands-free design.	Make: Scientific or Equivalent
Digital Microscope	1	1200X 12MP Digital Microscope with 7" HD LCD Display and built-in Rechargeable Battery	Make: Scientific or Equivalent
Mixed Signal Oscilloscope	1	2 GHz, 1 GHz, 500 MHz, and 350 MHz bandwidth models, Up to 10 GS/s real-time sample rate on one or two channels, up to 5 GS/s on all four channel, FastFrame™ segmented memory acquisition mode with up to 290,000	Make: Scientific or Equivalent



		segments and >310,000 waveforms per second capture rate	
Digital Storage Oscilloscope	1	Operating System: Windows XP, Windows 7, Windows 8, Linux, RAM: 512 Megabytes (MB), Disk space: 1 Gigabyte of available hard disk space, Display: XVGA 1024^768 with 120 dpi font size recommended, 7-inch widescreen color TFT LCD displays clear, crisp and more stable waveform display	Make: Scientific or Equivalent
Signal Generator	1	Frequency range, Frequency resolution, Amplitude, Phase modulation capabilities, Pulse and IQ modulation capabilities, Switching speed, Maximum input channels	Make: Scientific or Equivalent
Variable Power Supply	1	0 to 30V, 30 to 60 V	Make: Scientific or Equivalent
Benchtop Multimeter	1	0.0025% DCV accuracy (1 year), 1 Msample/s digitizing, 16-bits, 10-channel scan card option	Benchtop Multimeter
Projector	1	1920X1080, also known as Full HD & 4K UHD (3840X2160 or True 4K)	Zebronic or Equivalent
Heavy Duty Laser Printer	1	Monochrome laser printer with >30 ppm speed, 1200x1200 dpi resolution, automatic duplex printing, 250-sheet input tray, monthly duty cycle >8000 pages, and USB connectivity	HP or Equivalent
PCB Milling Machine*	1	200x300x120 mm working area, 3.125 pm resolution, 0.1 mm line width, drills 0.2-3.175 mm holes at up to 50 cycles/min, 58 mm/s speed, 220 V AC, 3.82 (150") /min milling speed, variable size bit, automatic	Standard Manufacturer
PCB Prototype Machine	1	1.5KW spindle power, 230x200x15mm working area, 0.06mm resolution, 1kw power consumption, 230v, Automatic, 1phase, 24000rpm, 3700mm/min. working capacity	Standard Manufacturer
Computer Workstation in networking- 5 Nos.	5	i7, 8gb RAM, 11th generation, 512 SSD, Window 10	Standard Manufacturer
Quardcopter assembly kit	1	450 mm frame base, 2212 1000KV motors, 30A ESCs, 10x4.5" props, APM 2.8 controller, GPS, 3S 2200mAh LiPo battery, 6+ channel TX/RX, telemetry module, PM2.5, NO2, Ozone, MQ-2 for environmental monitoring	Standard Manufacturer
Smart Board	1	86" 4K UHD display, 10-point touch, Android OS, HDMI/USB/Wi-Fi, built-in speakers, wall or stand mount, Google ELDA certified	Standard Manufacturer
Relay Module	1	24V 8-Channel Relay Module with optocoupler, Bluetooth and Wi-Fi capable, compatible with Arduino/Raspberry/PIC arm AVR microcontroller	Standard Manufacturer



GPIO module	1	128 channel USB/Wi-Fi/Bluetooth/Ethernet interfaces GPIO module with analog inputs	Standard Manufacturer
Electric Bicycle motor & Access	1	Electric Cycle 36v 250watts Motor, 10AH Battery Pack Full Conversion Kit	Standard Manufacturer
Granite surface plate	1	630mm x 630mm x 80mm, Grade "0", with a flatness tolerance of 3.5 pm, precision lapped surface, and an MS fabricated stand	Standard Manufacturer
Vacuum Cleaner	1	Wet and dry industrial vacuum cleaner with 1000W- 1200W power, 15L-20L capacity, HEPA filter, wheeled trolley, noise level below 70dB, and 6m cord length.	Eureka Forbes
Hot Air Gun- 5 Nos.	5	Hot Air Gun, 2000W power, adjustable temperature range 50°C-550°C, airflow up to 550 L/min, with variable speed and safety features.	BLACK AND DECKER or Equivalent
Measuring Equipment [Vernier calliper (0-200/0.01),	1	Measurement Range 0-200mm, Least Count 0.01	Make: SKADIOO or Equivalent
Vernier height gauge (0-1000mm), Micrometer 0-50, 50-100/0.001 inside and outside)], Metal Scale etc.	1	(0-1000mm), Micrometer 0-50, 50-100/0.001 inside and outside), Metal Scale etc	Mitutoyo or Equivalent
Fire Extinguisher	1	5kg	Standard Manufacturer
First Aid Box	1	As per safety guidelines	Standard Manufacturer
Digital Multimeter (5 units)	5	DC/AC voltage, DC/AC current, resistance, diode voltage, diode continuity,4.5 digits resolution,10 MQ	APTECH or Equivalent
Clothes Iron (5 units)	5	1500 W	Standard Manufacturer
Electronic Component Repository (LCR Meter, Variac etc.)	1	Arduino/Raspberry PI/, Various Sensors,Actuators & Output Devices,WIFI/GSM/Bluetooth/GPS communication module,Automatic scale,True RMS reading,Breadboards, Jumper Wires,Soldering Stations, Multimeters	Standard Manufacturer
3D printer Filament (Depending on the printer, 2 rolls)	2	Depending on Printer Selection	Standard Manufacturer
Acrylic Sheets (2mm,3mm, 4mm, 5mm All of area 8ft x 4ft) 2 sheets each	2	(2mm,3mm, 4mm, 5mm All of area 8ft x 4ft) 2 sheets each	Standard Manufacturer



Foam Sheets (8mm, 10mm, 12mm, 15mm All of area 8ft x 4 ft) 2 sheets each	2	(8mm, 10mm, 12mm, 15mm All of area 8ft x 4 ft) 2 sheets each	Standard Manufacturer
Ply Boards (8mm, 12mm, 18mm, All of area 8ft x 4ft) 2 sheets each	2	(8mm, 12mm, 18mm, All of area 8ft x 4ft) 2 sheets each	Standard Manufacturer
Nylon Rods, 12mm, 15mm, 18mm, 25mm All of length 1 m, 5 each	5	12mm, 15mm, 18mm, 25mm All of length 1 m, 5 each	Standard Manufacturer
Nuts, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 100 each	100	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 100 each	Standard Manufacturer
Bolts, Dia (3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm) length (1", 1.5", 2", 2.5"), 100 each	100	(3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm) length (1", 1.5", 2", 2.5"), 100 each	Standard Manufacturer
Screws, 3mm, 4mm, 5mm, 100 each	100	3mm, 4mm, 5mm, 100 each	Standard Manufacturer
Washers, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 100 each	100	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 100 each	Standard Manufacturer
Studs, 6mm, 8mm, Length 1m, 5 each	5	6mm, 8mm, Length 1m, 5 each	Standard Manufacturer
Nails, 1", 2", 3", 100 each	100	1", 2", 3", 100 each	Standard Manufacturer
Adhesives, M-Seal, Feviquich, Fevi Bond, 10 each	10	Large Size	Standard Manufacturer
2Way Tapes, 20 rolls,	20	4 sizes each	Standard Manufacturer
PVC Pipes, .75", 1", 1.5", 2.5", 3" Length 10ft, 1 each	1	.75", 1", 1.5", 2.5", 3" Length 10ft, 1 each	Standard Manufacturer
Aluminum Channels, L, C, Box, Strip Length 12ft, 2 each	2	Length 12ft., L-shaped	Standard Manufacturer



PCB Drill Bits,0.5mm, 0.8mm, 1mm,20 each	20	0.5mm, 0.8mm, 1mm,20 each	Standard Manufacturer
Drill Bits,3mm, 4mm, 5mm, 6mm,,20 each	20	3mm, 4mm, 5mm, 6mm,,20 each	Standard Manufacturer
Drill Bits,8mm, 10mm, 12mm,5 each	5	8mm, 10mm, 12mm,5 each	Standard Manufacturer
Carpentry Boring Bits,Entire Kit,1 kit	1	1 piece each of 10/12/16/18/20/25 mm Boring Bit Dia Size	Standard Manufacturer
Electronic Active and Passive components,Resistors, Capacitors, diodes and transistors,10 each	10	Resistors 220ohm,100 ohm,Capacitors (electrolatic,paper capacitors),diodes, Gates IC,LEDs..Red,Green	Standard Manufacturer
USB Cables,For connecting Arduino and other development boards,10	10	USB 2.0 Cable Type A/B	Standard Manufacturer
Radium Cutter Knives,,10	10	160 mm	Standard Manufacturer
Glue Sticks,,50	50	50 Pcs., Preferably Fevistick	Standard Manufacturer
Hack Saw Blades,6" and 12" 10	10	6" and 12",10 each	Standard Manufacturer
9 V Battery Snaps,,20	20	20 Pieces	Standard Manufacturer
LAN Cables,For connecting Raspberry Pi,5	5	5 m each	Standard Manufacturer
9V Batteries, 20	20	Make: Duracell, Eveready, Exide	Standard Manufacturer
Hacksaw (5 Nos.)	5	12"- 1 No., 14"- 2 No., 18"-2 No.	Standard Manufacturer
Micro Chisel Set (3 Nos.)	3	Wood Carving Chisel Set	Standard Manufacturer



Pliers (3 Sets)	3	Three different types- 01 each	Standard Manufacturer
Manual PCB Drilling Machine (3 Nos.)	3	3 phase,20,000 RPM spindle speed, 0.3-3.2 mm drill bit capacity, $\pm 0.1$ mm accuracy, brushless motor (~100- 300W), manual/semi-automatic control, and 230V AC power supply, 230 x 300 mm working area, 59 mm support column dia,5A socket required, Metal Base	Standard Manufacturer
PCB power Drilling Machine (3 Nos.)	3	100-300W motor, 20,000 RPM spindle, 0.3-3.2 mm drill bit capacity, $\pm 0.1$ mm accuracy, 230*300 mm worktable, 230V AC input, safety shield,5A socket required	Bosch or Equivalent
Cordless Drilling Machines (2 Nos.)	2	Make: Bosch, GSB Series with Battery, 2V Lithium-Ion battery, 30 Nm torque, 0-400/0-1,500 rpm speed settings, and a 20mm wood drilling capacity, weighing 0.9 kg	Bosch or Equivalent
Jigsaw Machines (2 Nos.)	2	Make: Bosch, 500W power input, 1,450-3,200 strokes per minute, 20mm stroke length, 70mm wood cutting depth, and weighs 2.1 kg	Bosch or Equivalent
Power Circular Saw (2 Nos.)	2	Make: Bosch, 400W power rating, 184mm blade diameter, 5200 rpm no-load speed, 70mm cutting depth at 90°, and weighs 4.1 kg.	Bosch or Equivalent
Files Set (2 Sets)	2	Standard Workshop Tool	Make: Duratool, STANLEY etc.
File Handles (1 Set)	1	Standard Workshop Tool	Make: Duratool, STANLEY etc.
Needle Files (2 Sets)	2	Standard Workshop Tool	Make: Duratool, STANLEY etc.
Pipe Vice (2 Pcs.)	2	10-60 mm capacity	Make: Duratool, STANLEY etc.
Mini HackSaw (5 Nos.)	5	Standard Workshop Tool	Make: Taparia, STANLEY etc.



Ball Peen Hammer (5 Nos.)	5	Standard Workshop Tool	Make: Taparia, STANLEY etc.
Steel Shaft Claw Hammer (5 Nos.)	5	Standard Workshop Tool	Make TAPARIA, ST ANLEY etc.
Nylon Mallet (5 Pcs.)	5	Standard Workshop Tool	Make TAPARIA, ST ANLEY etc.
Rubber Mallet (5 Pcs.)	5	Minimum 1.5inch Diameter rubber hammer with wooden handle, Make TAPARIA, STANLEY etc.	Make TAPARIA, STANLEY etc.
Allen Key Set (3 Sets)	3	Make TAPARIA, STANLEY etc.	Make TAPARIA, STANLEY etc.
Dremel multi tool kit (2 Nos.)	2	Dremel 3000-1/25: 130W motor, 10,000-33,000 RPM variable speed, includes 1 attachment and 25 accessories, suitable for cutting, sanding, grinding, and polishing.	Make TAPARIA, STANLEY etc.
Double ended spanner sets (2 Sets)	2	Make: Taparia	Make TAPARIA, STANLEY etc.
12 Piece Open ended Spanner Set (2 Sets)	2	Make: Taparia	Make TAPARIA, STANLEY etc.
Belt and Disc Sanding Machine (1 Nos.)	1	10" Disc Diameter, 1200 RPM No Load Speed, 1 HP Power, CI Material, Industrial Use, 240V, 150x1200 mm Belt Size, 50 Hz Frequency	Make TAPARIA, STANLEY etc.
Scroll Saw Machine (1 No.)	1	Minimum 16", 120 W, 50 mm cutting depth	Make TAPARIA, STANLEY etc.
Tool Wall covering Perforator (3 Pcs.)	3	Standard Workshop Tool	Make: Duratool, Silverline etc.
Dremel Moto Saw	1	Minimum 16", 120 W, 50 mm cutting depth	Make: Duratool, Silverline etc.



Bench Grinding Machine	1	Minimum 0.5 HP, 2880 RPM, 6 Inch, Single Phase	Stanley or Equivalent
Power Return Measuring Tape (5 Nos.)	5	3 m Power Return Inch Tape Measuring Tape	:Freemans or Equivalent
Tri Square 8" (5 Nos.)	5	minimum BLOCK PLANE 5.5 INCH ( 140 MM ) WITH TRY SQUARE 8 INCH ( 200 MM ) STEEL Hand Plane	GSK or Equivalent
Stainless Steel Rule (5 Nos.)	5	30 cm length	GSK or Equivalent
Digital Vernier Caliper (5 Nos.)	5	0-150 mm Stainless Steel Digital Vernier Caliper with LED Display, resolution 0.1 mm	SKADIOO or Equivalent
Spirit Level (5 Nos.)	5	900mm Spirit Level with Magnet, SLM 1036, Accuracy: 1 mm	Freemans or Equivalent
Dremel Cordless Rotary Tool	1	3.6V speed range 8000-25000 RPM speed, USB charging, lightweight design (~0.27 kg), and includes 5 accessories—ideal for light-duty, occasional use.	Bosch: GRO Series or Equivalent
GPIO Power Router	1	GPIO Gateway 4G/5G wifi/Ethernet enabled	Standard
Sewing Machine	1	Heavy-duty speed control, and options like drop feed for free-motion sewing, buttonhole functions, twin-needle capability, and high-speed stitching (800-1100 SPM), 20+ stitch functions	Standard
Impact Drill (3 Units)	3	Bosch : 600W, 13mm chuck,	Bosch or Equivalent
Ratchet Set (2 Units)	2	Bosch 46-Piece Ratchet and Socket Set	Bosch or Equivalent
Router Bit Starter kit	1	carbide-tipped bits (straight, V-groove, spiral, ball nose) with 1/4" & 1/2" shanks for wood, plastic, and soft metal cutting	Bosch or Equivalent
Scroll Saw	1	120W, 400-1600 RPM, 50mm cut depth, 0-45° tilt, variable speed	Ingco or Equivalent
Hot Air Blower With Soldering Iron (5 Nos.)	5	minimum 100°C-450°C, 700W Hot Air Gun + 60W Soldering Iron	Standard Manufacturer



Tin Cutter with Spring (10 units)	10	Standard Workshop Tool	STANLEY/ TA PARIA/ SPARTAN
Centrifugal Blower	1	1600rpm, 650w, 1.4kg	Standard Manufacturer
Screwdriver Sets (2 sets)	2	STANLEY/TAPARIA/SPARTAN	Bullwark or Equivalent
Cutting Mats (5 Nos.)	5	Size: 24 x 36 inches	Levin or Equivalent
Vacuum Cleaner (2 Nos.)	2	1100 W, min 15 liter capacity preferably BOSCH / EUREKA	Eureka Forbes or Equivalent
Hot Air Gun- 5 Nos.	5	Blackand Decker, 1800 W	BLACK DECKER or Equivalent
Micrometer - 5 Nos.	5	Outside micrometer, 0-25 mm range - (03), 25-50 mm range (02), 0.01 mm resolution	Mitutoyo or Equivalent
Glue Gun-5 Nos.	5	Standard	Stanley or Equivalent
Air Compressor	1	Direct Driven Air Compressor, 50 Litre, 2.5 HP, pressure 115PSi, weight 36 Kg	Standard Manufactur er
Allen Set Wrench (5 set)	5	Make, Taparia, STANLEY etc. (Standard Size)	Make, Taparia, STANLEY etc. (Standard
Tongue and Groove Pliers (5 Pcs.)	5	Make, Taparia, STANLEY etc. (Standard Size)	Make, Taparia, STANLEY etc. (Standard
Non-contact voltage tester (5 Pcs.)	5	12V to 1000V AC,Sensitivity: Adjustable, with multiple levels, LED Display	Standard Manufactur er
Wire Stripper (5 Pcs.)	5	Make, Taparia, STANLEY etc.	Make, Taparia, STANLEY etc.
Fish Tape (2 Pcs.)	2	20 meters, coated fiberglass wire puller	Standard Manufactur er



Flashlights (2 Pcs.)	2	Range: Up to 2 km, Rechargeable Battery, 4800mAh	Standard Manufacturer
DC Regulated Power Supply (3 units)	3	Input voltage type (AC or DC) and range, Efficiency of power conversion	Standard Manufacturer
Solder Wick (10 Pcs.)	10	Battery: Rechargeable 4800mAh	Standard Manufacturer
Filament Dehydrator	1	Dry box 1.75mm, 2.85mm compatible PLA, PETG, TPU, ABS	Standard Manufacturer
Reflow Oven	1	Features: Zoom function, weather-resistant design	Standard Manufacturer
Glass Cutter	1	Diamond - pin	Standard Manufacturer
Gypsum (10kg)	10 kg	10 kg	Standard Manufacturer
Digital Multimeter (5 units)	5	2000-count digital LCD, DC Voltage 600mV/6V/60V/600V/1000V $\pm(0.5\%+2)$ AC Voltage 6V/60V/600V/750V $\pm(0.8\%+3)$ ACV Frequency 10Hz ~ 10kHz $\pm(0.1\%+5)$ , DC Current , 0uA/600uA/6mA/60mA/600mA/20A $\pm(0.8\%+8)$ , AC Current 60uA/600uA/6mA/60mA/600mA/20A $\pm(1\%+12)$ Resistance 600Q/6kQ/60kQ/600kQ/6MQ/60MQ $\pm(0.8\%+3)$ , Capacitor 6.000nF/60.00nF/600.0nF/6.000pF/60.00pF/600.0pF/6.000mF/60.00mF/100.0mF $\pm(3\%+10)$ Frequency 9.999Hz~9.999MHz $\pm(1.0\%+5)$	APTECH or Equivalent
Clothes Iron (5 units)	5	1500 W	Phillips or Equivalent
Oscilloscope (4 units)	4	ACV Frequency 10Hz~10kHz $\pm(0.1\%+5)$	Keysight or Equivalent
C-Clamp (10 Pcs.)	10	4" to 6"	Standard Manufacturer
Ratchet clamp 8 inches/200mm (10 Pcs.)	10	8 inches/200mm	Standard Manufacturer
Baby Vice 60 mm (5 Pcs.)	5	0-70 mm Jaw width	Standard Manufacturer
Bench vices (5 units)	5	75 mm fixed base	Standard Manufacturer
Anvil	1	50 Kg	Standard Manufacturer



Annexure - II

**CERTIFICATE**

(To be submitted on letter head of the company/ firm)

I hereby certify that the above firm has not been ever blacklisted by any Central/State Government/Public Undertaking/Institute on any account.

I also certify that firm will supply the item as per the specification given by Institution and also abide all the terms & conditions mentioned on the Institute Website.

I also certify that the information given in bid is true and correct in all aspects and in any case at a later date it is found that any details provided are false and incorrect, any contract given to the concern firm or participation may be summarily terminated at any stage, the firm will be blacklisted and Institute may impose any action as per bid rules.

Date:

Place:

Name:

Business Address:

Signature of Bidder:

Seal of Bidder: