



Estd: 2008

# METHODIST

## COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi, Affiliated to Osmania University, Hyderabad.)  
Accredited by NBA and NAAC with A+ Grade

No.:

Date: 22-08-2025

### Call for Quotation/Tender

Sealed or Online Quotations are invited from reputed OEMs/firms/suppliers for the supply of the following equipment, tools, and consumables, for AICTE-IDEA Lab as per the specification, (list annexed herewith) for the financial year 2025-26 to: The Principal, Methodist College of Engineering and Technology, King Koti Road, Abids, Hyderabad - 500001, Telangana.

Mere submission of quotation/lowest price for the process doesn't ensure any assurance for the work/purchase order. Quotation(s) must be separately submitted in original, clearly mentioning validity period for approved rates (basic price), all levies, taxes, installation charges, warranty period (Minimum 3 years from the date of installation), discounts (if any), etc. along with any other costs thereon; failing which quotation will not be considered. Following documents (mandatory), must also be furnished along with the quotation(s)

1. Date of Establishment of the firm
2. Experience Certificate (certificate from the customers/clients dated not more than 3 years)
3. PAN/TAN, valid Trade License
4. One Cancelled Cheque
5. GST Reg. No.
6. IT return of last 3 years
7. Details of the institutions for which equipment is supplied earlier (AICTE-IDEA Lab in particular).

Quotations must contain the details of the aforementioned requirements along with other relevant information and terms & conditions (if required).

Lead Time of delivery must be clearly mentioned to avoid rejection. Late Delivery Clauses will be applicable in such cases, arbitration of which will be conducted in jurisdiction of institute's choice, as will be mentioned in Purchase Order.

No prescribed form relating to the quotation submission is compulsorily expected by the college. A self-made format is acceptable.

**Payment will be made either by cheque or online by the institution after successful completion of the work (delivery, complete installation and satisfactory demonstration). The quotation(s) clearly super scribed "QUOTATION FOR AICTE- IDEA LAB" should reach the Office of the Principal on or before 17.00 Hrs. of 06-09-2025.**

The quotations may also be sent to the [principal@methodist.edu.in](mailto:principal@methodist.edu.in) with a cc to [idealab@methodist.edu.in](mailto:idealab@methodist.edu.in). The quotation documents are non-refundable. After receiving the Work/Purchase Order, the selected suppliers will be required to submit proforma invoice for items.

The Principal (Chief Mentor, AICTE-IDEA lab) Methodist College of Engineering and Technology, reserves the right to accept/reject any quotation without assigning any reason thereof.

  
Prof. Prabhu G Benakop  
Principal

**PRINCIPAL**

**METHODIST COLLEGE OF ENGG. & TECH.**  
**King Koti Road, Abids, Hyderabad.**

King Koti Road, Abids, Hyderabad - 500 001. T.G. India, Ph : 040 - 24753445, 24755999

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## List of Equipment with Specifications

Sr. No	Equipments	Preferred brands if any	Specifications	Qty
1.	3D printer	Branded Company Product with at least three years product warranty	Tech: FFF/FDM, build $\geq 310 \times 310 \times 310$ mm Core XY / Cartesian, Hot end $\geq 300^\circ\text{C}$ , Bed $\geq 120^\circ\text{C}$ Nozzle: 0.4/0.6/0.8 mm, all polymers Steel sheet with PEI, filament 1.75 mm (PLA, PETG, ASA, ABS, PP, PC, flexible) Gearbox 1/10, $\geq 550$ mm/s, stepper drivers, $1.8^\circ/0.9^\circ$ motors $\geq 3.5''$ color screen, USB/LAN/Wi-Fi, Windows/macOS/Linux $\leq 700 \times 700 \times 700$ mm, enclosed,	1
2.	PCB Milling Machine	Branded Company Product with at least three years product warranty	Materials: Wax, wood, foam, acrylic, ABS, PCB, copper clad Table $\geq 225 \times 150$ mm, stepper motor drive Speed: 800 mm/min, travel 58 mm/sec Accuracy: 0.01–0.02 mm, drill 0.2–3.175 mm, 50 cycles/min Spindle $\geq 20,000$ rpm, USB/cable, RML-1, NC cod 24V DC, $\geq 50\text{W}$ ,	1
3.	CO2 Laser Cutting Machine	Branded Company Product with at least three years product warranty	Work $\geq 600 \times 900$ mm, CO2 DC Glass/RF Metal, 80–100W Cut $\geq 30,000$ mm/min, engrave $\geq 64,000$ mm/min LM Guide Rail or equivalent, air/water cooling Voltage: 230V/415V, accessories included	1
4.	Vinyl Printer	Branded Company Product with at least three years product warranty	Size: $\geq 50 \times 15 \times 15$ cm, weight $\leq 15.4$ lbs Max cut size $\geq 11.5 \times 23.5$ inch, speed up to 14.1 ips	1
5.	3D Scanner	Branded Company Product with at least three years product warranty	Stereo structured light, Quad-core 64-bit SoC, 4GB RAM Projector DLP MEMS, camera $\geq 13$ MP Scan $\geq 980,000$ pts/s, up to 14 FPS Modes: Feature/Hybrid/Texture/Markers	1



			OBJ/STL/PLY/P3/3MF, min feature $\leq 0.2$ mm $\leq 500g$ , $\leq 240 \times 60 \times 60$ mm,	
6.	Lathe Machine cum milling	Branded Company Product with at least three years product warranty	Centre width $\leq 400$ mm, height $\leq 88$ mm Max $\varnothing \leq 100$ mm, cast iron base, prismatic guide Spindle: MK3, hole $\leq 22$ mm, $\leq 5 \mu$ m runout 3-jaw chuck 100 mm, sleeve MK2 Speed: 50–2500 rpm, 6–8 stages, motor $\geq 550W$ Traverse: Cross $\leq 70$ mm, long $\leq 300$ mm Weight $\geq 55$ kg, accessories included	1
7.	CNC Router	Branded Company Product with at least three years product warranty	Work $\geq 1300 \times 2500$ mm, Z $\geq 200$ mm Res $\pm 0.03/300$ mm, spindle $\geq 3KW$ , $\geq 18,000$ RPM Structure: welded steel, rack/pinion, ball screw T-slot/vacuum/water bed, repeat $\pm 0.03$ mm Stepper/servo, dust collector, AC 220V/415V,	1
8.	Belt and Disc Sanding Machine	Branded Company Product with at least three years product warranty	Motor: 230V 50Hz, 380W, 1450 RPM Belt $\leq 100 \times 914$ mm, disc $\geq 150$ mm Table tilt $0^\circ$ – $45^\circ$ , belt tilt $0^\circ$ – $90^\circ$ Table $\leq 190 \times 125$ mm,	1
9.	Scroll Saw	Branded Company Product with at least three years product warranty	Power: 50W, cut thickness $\leq 50$ mm Throat: 406 mm, stroke length 18 mm Speed: 400–1600 SPM, length $\leq 600$ mm,	1
10.	Wood Turning Lathe	Branded Company Product with at least three years product warranty	Motor: 230V, 550W, 5 speeds Max disc $\varnothing \geq 75$ mm, cutting length $\geq 450$ mm Cast iron bed, cable 0.85 m,	1
11.	Bench Top Drill Machine	Branded Company	Power $\leq 250W$ , steel $\leq 13$ mm, wood $\leq 24$ mm	1



		Product with at least three years product warranty	Speeds: 570–3200 RPM, $\leq 20$ kg Includes bench vise & drill bits, warranty 3–5 yrs	
12.	Portable Welding Machine	Branded Company Product with at least Three to Five years Warranty	Current: 120A\@100%, 150A\@60%, 200A\@35% Supply: 240V 1 $\phi$ , OCV 55V DC, IP21 Size $\leq 320 \times 120 \times 195$ mm, $\leq 4.3$ kg, warranty 3–5 yrs	1
13.	Advanced Motorized Sewing Machine	Branded Company Product with at least three years product warranty	Motor: 120W, speed 860 SPM 120 stitches, LCD display, free arm/flatbed Drop & sew bobbin, 7 buttonhole styles	2
14.	Filament Dehydrator	Branded Company Product with at least three years product warranty	Temp: 45–70°C, time 0–48 hrs 360° hot-air, $\geq 300$ mm/s, 160W, $\leq 2.5$ kg,	1
15.	Microwave Oven	Branded Company Product with at least three years product warranty	No. of Waves: 7 or higher Heating Type: Infrared IC Heater Max. PCB Width: 300 $\times$ 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	1
16.	Digital Multimeter	Branded Company Product with at least three years product warranty	DC/AC Volt: $\leq 1000$ V, DC/AC Curr $\leq 10$ A Res $\leq 40$ M $\Omega$ , cap $\leq 1000$ $\mu$ F CAT III 600V, CAT II 1000V,	5
17.	Mixed Signal Oscilloscope 100 MHz	Branded Company Product with at least three years product warranty	4+ ch, $\leq 100$ MHz, 1 GSa/s, 10 Mpts/ch AWG dual 25 MHz, FFT 1M pts, display $\geq 8$ " USB, Ethernet	2
18.		Branded	2 ch, $\leq 100$ MHz, 1 Gsa/s, 10 Mpts	1



	Digital Storage oscilloscope	Company Product with at least three years product warranty	Decodes I2C/SPI/UART/CAN/LIN,	
19.	Variable Power supply	Branded Company Product with at least three years product warranty	4 ch isolated, CH1&2: 0–32V/3A, CH3: 0–5V/1A, CH4: 0–15V/1A CV/CC mode, LCD display, ≤ 10 kg,	1
20.	Signal/Function Generator	Branded Company Product with at least three years product warranty	Sine/square 0.1 Hz–3 MHz, triangle 0.1 Hz–1 MHz Amp ≤ 10 Vp-p, 50 Ω, ±20% accuracy,	1
21.	Bench Top Multimeter	Branded Company Product with at least three years product warranty	DCV ≤ 1000V, ACV ≤ 1000V, DCI/ACI ≤ 20A Res ≤ 20 MΩ, freq, cap ≤ 50 μF,	1
22.	Non-Contact Voltage Tester	Branded Company Product with at least three years product warranty	Detect 90–1000 VAC, visual & audio indicators Adjustable sensitivity,	5
23.	LCR Meter	Branded Company Product with at least three years product warranty	Display 2.8" TFT, res ≥ 25,000 counts ±0.2% accuracy, multiple test frequencies,	1
24.	Soldering Station	Branded Company Product with at least three years product warranty	60W, 200–480°C, ceramic heater, compact,	5
25.	Digital Microscope	Branded Company Product with	Specification: Magnification: 1600X Light source: 8 LED lights Resolution: 1920×1080, 640*480 Pixel: 30W	1





		at least three years product warranty	Focal length: 3-40mm manual adjustment Support Android 4.2 or above/widows/Mac system	
26.	Soldering Rework Station	Branded Company Product with at least three years product warranty	Iron: 60W, hot air: 500W, 200–480°C, ESD-safe, DC PSU,	1
27.	Drill Machine with 1HP Motor	Branded Company Product with at least three years product warranty	Power $\geq$ 500W, no-load $\leq$ 3000 rpm, chuck $\leq$ 13 mm.	1
28.	Cordless drill	Branded Company Product with at	Torque $\geq$ 50 Nm, speed $\leq$ 1900 rpm, Li-ion battery,	2
29.	Jig Saw	Branded Company Product with at least three years product warranty	Power $\leq$ 500W, stroke length 20 mm, bevel $\pm 45^\circ$ ,	2
30.	Miter Saw	Branded Company Product with at least three years product warranty	Power $\leq$ 1750W, blade 254 mm, bevel $\leq 45^\circ$ ,	1
31.	Hot air gun	Branded Company Product with at least three years product warranty	Power $\leq$ 1800W, 60–550°C, airflow $\leq$ 550 L/min,	5
32.	Table saw	Branded Company Product with at least three years product warranty	Power $\leq$ 1800W, table $\leq$ 555×555 mm, blade 254 mm,	1



33.	Bench grinder	Branded Company Product with at least three years product warranty	Wheel $\geq 150$ mm, power $\geq 350$ W, $\leq 3000$ rpm,	1
34.	Angle Grinder	Branded Company Product with at least three years product warranty	Power $\leq 670$ W, 11000 rpm, disc $\leq 100$ mm,	1
35.	Straight Grinder	Branded Company Product with at least three years product warranty	Power $\leq 300$ W, speed $\leq 28000$ rpm, collet $\leq 8$ mm,	1
36.	Power Circular Saw	Branded Company Product with at least three years product warranty	Power $\leq 1400$ W, blade 184 mm, 5200 rpm,	2
37.	Centrifugal Blower	Branded Company Product with at least three years product warranty	Power $\leq 650$ W, $\leq 1.7$ kg, 103 dB(A),	1
38.	Cordless Screw Driver	Branded Company Product with at least three years product warranty	Battery 1.5Ah, torque $\leq 30$ Nm, speed $\leq 1500$ rpm,	1
39.	Vacuum Cleaner	Branded Company Product with at least three years product warranty	Power $\leq 1100$ W, container $\leq 15$ L, airflow $\leq 53$ L/s,	1



40.	Random orbit sander	Branded Company Product with at least three years product warranty	Power $\leq$ 280W, pad $\varnothing$ 125 mm, 7500–12000 rpm,	1
41.	Planer	Branded Company Product with at least three years product warranty	Power $\leq$ 710W, width 82 mm, depth $\leq$ 2.6 mm,	1
42.	Cordless Vacuum Cleaner with Starter kit	Branded Company Product with at least three years product warranty	Battery 18V, $\leq$ 1.3 kg, container $\leq$ 0.7 L,	1
43.	Dremel cordless Rotary Tool Kit	Branded Company Product with at least three years product warranty	Power $\leq$ 175W, speed 5000–35000 rpm,	1
44.	Rubber Grip Hacksaw	Very Good Quality	Depth $\leq$ 98 mm, blade 254 mm, good quality	5
45.	Hacksaw Mini	Very Good Quality	Blade 10", metal handle, warranty good quality	5
46.	Claw Hammer Steel Shaft	Very Good Quality	Weight: Approximately 8 oz (220 grams) nominal weight. Dimensions: Around 27.8 cm $\times$ 12.4 cm $\times$ 3.6 cm (L $\times$ W $\times$ H) overall size	5
47.	Ball Peen Hammer	Very Good Quality	Weight: Approximately 110 grams nominal weight. Dimensions: Around 32.6 cm $\times$ 10 cm $\times$ 2 cm (L $\times$ W $\times$ H) overall measurements.	5
48.	Rubber mallet	Very Good Quality	Weight: Approximately 450 grams nominal weight. Dimensions: Around 33.6 cm $\times$ 9.6 cm $\times$ 6.2 cm (L $\times$ W $\times$ H) overall size.	5
49.	Ring spanner set 12Pcs	Very Good Quality	Weight: 3.08 Kg nominal weight. Quantity: 12 pcs per set.	2





			Size: 6 mm to 32 mm overall range.	
50.	Open end spanner set 12Pcs	Very Good Quality	Weight: Approx1.74Kg nom.wt. Qty: 12pcs/set. Size: 6mm-32mm overall dims.	2
51.	Combination Spanner set 8Pcs	Very Good Quality	Weight: Approx649g nom.wt. Qty: 8pcs/set.	1
52.	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
53.	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	2
54.	Combination plier	Very Good Quality	Weight: Approx422g nom.wt. Size: 8"/200mm nominal	2
55.	Long nose plier	Very Good Quality	Weight: Approx399g nom.wt. Size:180mm/6" nominal	2
56.	Circlip straight 5"	Very Good Quality	Weight: Approx399g nom.wt. Size:130mm/5" nominal	2
57.	Circlip bent	Very Good Quality	"Weight: Approx399g nom.wt. Size:130mm/5"" nominal"	2
58.	Diagonal Cutter	Very Good Quality	"Weight: Approx239g nom.wt. Size:180mm nominal"	2
59.	Wire Stripper	Very Good Quality	Weight: Approx281g nom.wt. Size:130mm nominal	5
60.	Adjustable spanner	Very Good Quality	Size: Upto 150 mm	2
61.	Pipe wrench	Very Good Quality	Size: Max 300 mm	2
62.	C – clamp	Very Good Quality	Size: Upto 75 mm	4
63.	C-clamp	Very Good Quality	Size: Upto 150 mm	4
64.	Snap- off Knife	Very Good Quality	Size:18 mmm	2
65.	16pcs screw driver set	Very Good Quality	Pieces Per Set: 16 pcs	1
66.	6pcs precision screw driver set	Very Good Quality	Pieces Per Set: 16 pcs	2
67.	Max steel snip cutter	Very Good Quality	Length: 250 mm	2
68.	PVC Pipe cutter	Very Good Quality	Length: 42 mm	2



69.	Hot Glue Gun	Very Good Quality	Power: 40 W	5
70.	Small file set	Very Good Quality	Length: 160 mm	2
71.	Big file set	Very Good Quality	Length: 200 mm	2
72.	Micro Chisel set	Very Good Quality	Weight: 340 gm	3
73.	Punch set	Very Good Quality	Weight: 390 gm	2
74.	Bench wise	Very Good Quality	Base Type: Fixed Size: 2–3½" nominal JawWidth: 60mm	5
75.	Router Bit Starter Kit	Very Good Quality	Pieces Per Set: 15 pcs	1
76.	Drill bit set	Very Good Quality	WAF(mm): 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13 Wt: ~1.3Kg nom.wt Sz(mm): 205×115×55 overall	2
77.	Baby wise	Very Good Quality	Vice Type: Bench Size: 2" nominal JawWidth: 50mm	2
78.	Ratchet Set	Very Good Quality	Vice Type: Bench Sz: 2" nominal; Jaw: 50mm	2
79.	Pegboard	Very Good Quality		5
80.	Vernier caliper / Digital Vernier Caliper	Very Good Quality	Product Type: Digital Calliper Meas.Range: 0–200mm Resolution: 0.01mm	5
81.	Micrometer Inside and Outcome	Very Good Quality	Meas.Range: 0–50, 50-100/0.001	1
82.	Steel Rule 300mm	Very Good Quality	Product Type: Steel Rule ScaleSize: 12"/300mm Material: Stainless Steel	5
83.	Steel Rule 600mm	Very Good Quality	Product Type: Steel Rule ScaleSize: 24"/600mm Material: Stainless Steel	5
84.	Engineering Square	Very Good Quality	Size: 150×80mm nominal Material: Carbon Steel	2
85.	TrySquare	Very Good Quality	8"	5
86.	Meter Tape 30m	Very Good Quality	Length: 30 m	1



87.	Power Return Measuring Tape 3M	Very Good Quality	Length: 3 m	5
88.	Measuring Tape 5M	Very Good Quality	Length: 5 m	3
89.	Spirit Level	Very Good Quality	Vials:3 Accuracy:0.5mm/m Length:300mm Product Type: Level	5
90.	Goggle	Very Good Quality	Goggle – Industrial Standard Make	5
91.	Apron	Very Good Quality	Apron – Standard Make	5
92.	Ear Muff	Very Good Quality	Earmuff – Industrial Standard Make	5
93.	Mask	Very Good Quality	Mask – Industrial Standard Make	50
94.	Fire Extinguisher	Very Good Quality	Fire Extinguisher– Industrial Standard Make	6
95.	First Aid Kit	Very Good Quality	First Aid Kit – Industrial Standard Make	2
96.	Gloves Pair	Very Good Quality	Gloves – Industrial Standard Make	10
97.	Normal Oven	Branded Company Product with at least three years product 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
98.	Refrigerator	Branded Company Product with at least three years product warranty	Capacity:183L or more AnnualEnergyConsumption:148kWh/Year or less RefrigeratorFreshFoodCapacity:165L or more Freezer Capacity: min 18L Bottle Count:5 or more Noise Level:40dB or less Installation Type: Freestanding	1
99.	Smart Board	Branded Company Product with at least three years product	Display Size: Approx 75Inch (190 cm) Up to Resolution: 4KUHDorHigher Brightness: Min 350 nits; Typ400nitsApprox Contrast Ratio: Typ 1200: 1Upto	1



		warranty	Response Time: Approx 8ms Viewing Angle: Approx 178 Degrees Wide Working Frequency: 1.5 Ghz Nominal RAM: 4GB Or More Internal Storage: 32GB Min OS: Android Based HDMI: 3 Ports USB: 2 Ports Sensing Type: Infrared Touch Frame Surface Protection: 4mm Toughened Glass Or Equivalent Infrared Touch Points: 20 Approx Voltage: DC+5V±5% Range OPS: Optional	
100.	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 (Firmware Update/Copy OSD) Approx Analog Input: D-Sub 15pin: 1port Digital Input: HDMI: 1port Projection Lens: Type: No Optical Zoom/Focus (Manual) Nominal Focal Length: 16.70mm Approx	1
101.	Heavy Duty Laser Printer	Branded Company Product with at least three years product warranty	Print/Scan/Copy, Laser type, Black and White, duplex A4 30 ppm, 600×600 dpi / HQ1200, USB 2.0 Tray: 250 sheets, Output: 100 sheets Size: 409×398.5×267 mm, 9.7 kg	1
102.	Heavy Duty Laser Printer	Branded Company Product with at least three years product warranty	Print/Scan/Copy, Laser type, Colour, duplex A4 30 ppm, 600×600 dpi / HQ1200, USB 2.0 Tray: 250 sheets, Output: 100 sheets Size: 409×398.5×267 mm, 9.7 kg	1
103.	Desktop	Branded Company Product with at least three years product warranty	CPU: INTEL CORE I7-12TH GEN or Higher RAM: 8GB+512GB SSD or more Conn: LAN+WIFI+BLUETOOTH+KEYMOUSE Display: 20" DESKTOP MONITOR	5
104.	Hand Held High Speed Drill Machine	Branded Company Product	≤ 15,000 RPM, ≥ 400W, 230V AC Chuck: 0.5–6.5 mm, rotary, < 2 kg Ergonomic grip, low vibration	2



	15000rpm with accessories	with at least three years product warranty	With drill bits, chuck key, case	
105.	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
106.	Acrylic Sheet 3mm, 4ft x 4ft	Very Good Quality		20
107.	Acrylic Sheet 4mm, 4ft x 4ft	Very Good Quality		20
108.	Acrylic Sheet 5mm, 4ft x 4ft	Very Good Quality		20
109.	Foam Sheet 8mm, 4ft x 4ft	Very Good Quality		2
110.	Foam Sheet 10mm, 4ft x 4ft	Very Good Quality		1
111.	Foam Sheet 12mm, 4ft x 4ft	Very Good Quality		1
112.	Foam Sheet 15mm, 4ft x 4ft	Very Good Quality		1
113.	Ply Board 5mm, 2ft x 4ft	Very Good Quality		12
114.	Nylon Rod 12mm, 15mm,18mm,25m m	Very Good Quality	1 m in length	5
115.	Nuts (3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm) Pack of 100	Very Good Quality		1
116.	Bolts (3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm) dia 1" Inch Pack of 100	Very Good Quality		1
117.	Screws (3mm, 4mm, 5mm)	Very Good Quality		1





	Pack of 100			
118.	Washers (3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm) Pack of 100	Very Good Quality		1
119.	Studs (6mm, 8mm) 1 Meter	Very Good Quality		2
120.	Nails (1", 2", 3", 1.5", 5") Pack of 100	Very Good Quality		1
121.	Fevicol 2Kg	Very Good Quality		1
122.	2 Way Tape	Very Good Quality		10
123.	PVC Pipe .75", 10ft	Very Good Quality		10
124.	PVC Pipe 1", 10ft	Very Good Quality		10
125.	PVC Pipe 1.5", 10ft	Very Good Quality		10
126.	PVC Pipe 2.0", 10ft	Very Good Quality		10
127.	Aluminium channels (L, C, Box, strip length 12ft)	Very Good Quality		2
128.	PCB Drill Bit 0.4mm	Very Good Quality		10
129.	PCB Drill Bit 0.8mm	Very Good Quality		10
130.	PCB Drill Bit 1mm	Very Good Quality		10
131.	Drill Bit 4mm	Very Good Quality		10
132.	Drill Bit 5mm	Very Good Quality		10
133.	Drill Bit 6mm	Very Good Quality		10
134.	Arduino UNO R3	Very Good Quality		5
135.	Arduino NANO	Very Good Quality		5



136.	Arduino Mega	Very Good Quality	3
137.	Raspberry Pi Model 4B, 4GB	Very Good Quality	3
138.	ESP8266 Node MCU	Very Good Quality	2
139.	ESP32 Development Board	Very Good Quality	2
140.	Beaglebone blu	Very Good Quality	1
141.	Beaglebone Black	Very Good Quality	1
142.	Voltage Regulator Module	Very Good Quality	2
143.	Mini Micro submersible Water Pump	Very Good Quality	2
144.	Piezoelectric Plate	Very Good Quality	2
145.	8*8 LED Matrix Module	Very Good Quality	2
146.	Bluetooth	Very Good Quality	2
147.	7 Segment LED Display	Very Good Quality	2
148.	GSM/GPRS/GPS Module	Very Good Quality	2
149.	Laser Module	Very Good Quality	2
150.	LDR Module	Very Good Quality	2
151.	4x4 Matrix Keypad	Very Good Quality	2
152.	Joy Stick Module	Very Good Quality	2
153.	Active Buzzer (BIG)	Very Good Quality	2
154.	Active Buzzer (SMALL)	Very Good Quality	2
155.	Motor Driver	Very Good Quality	2



156.	Sound Playback Module	Very Good Quality	2
157.	BO Motors	Very Good Quality	10
158.	Vibrating Motor	Very Good Quality	10
159.	Capacitive Touch Switch	Very Good Quality	2
160.	IR Sensors (Obstacle Sensors)	Very Good Quality	2
161.	Triple Axis Magnetometer	Very Good Quality	2
162.	Humidity Sensor	Very Good Quality	2
163.	MQ-2	Very Good Quality	2
164.	MQ-3	Very Good Quality	2
165.	MQ-4	Very Good Quality	2
166.	MQ-5	Very Good Quality	2
167.	MQ-7	Very Good Quality	2
168.	Ultrasonic Sensor Module	Very Good Quality	2
169.	Triple Axis accelerometer	Very Good Quality	2
170.	PIR Motion Detector Module	Very Good Quality	2
171.	Pulse Rate Heart Sensor	Very Good Quality	2
172.	Relay Module	Very Good Quality	2
173.	Soil Moisture Sensor	Very Good Quality	2
174.	Touch Sensor	Very Good Quality	2
175.	Rain Drop Sensor	Very Good Quality	2
176.	Flex Sensor	Very Good Quality	2



177.	Temperature Sensor	Very Good Quality	2
178.	Force Pressure Sensor	Very Good Quality	2
179.	Colour Recognition Sensor	Very Good Quality	2
180.	Water Flow Sensor	Very Good Quality	2
181.	Sound Sensor	Very Good Quality	2
182.	IR Sensor Array for Line Following	Very Good Quality	2
183.	RFID Reader-Tags	Very Good Quality	2
184.	RF Modules Tx& Rx 315 MHz ASK	Very Good Quality	2
185.	Stepper motor with Driver Board	Very Good Quality	2
186.	Servo Motor 360 rotation	Very Good Quality	10
187.	Servo Motor 180 rotation	Very Good Quality	10
188.	Metal Gear Servo Motor (1 80°Rotation)	Very Good Quality	10
189.	Solder Wire 100gm	Very Good Quality	10
190.	Solder Flux	Very Good Quality	10
191.	830 Points Solderless Breadboard	Very Good Quality	5
192.	400 Points Solderless Breadboard	Very Good Quality	5
193.	Copper Clad Board single side	Very Good Quality	10
194.	Copper clad board double side	Very Good Quality	10
195.	Male to Male Breadboard Jumper	Very Good Quality	10



196.	Female to Female Breadboard Jumper	Very Good Quality		10
197.	Male to Female Breadboard Jumper	Very Good Quality		10
198.	PCB Power Drilling Machine	Branded Company product with at least three years product warranty	≥ 12,000 RPM, ≥ 200W, 230V AC Drill Ø 0.5–3.2 mm, table ≥ 200×150 mm Low runout < 0.05 mm, depth adjustment With PCB drill bits, chuck key, stand	3
199.	Manual PCB Drilling Machine	Very Good Quality	Hand-operated, drill Ø 0.5–3.0 mm Suitable for FR-4 and similar PCB materials Stable base with adjustable drill holder Lightweight, portable design With PCB drill bits (assorted sizes)	5
200.	Air compressor	Branded Company product with at least three years product warranty	Power:** 2 HP, **Max Delivery:** 2 × 135 L/min, **Speed:** 1440 rpm, **Max Pressure:** 8 bar, **Tank Volume:** 100 Lit.	1
201.	Clothes Iron Box	Branded Company Product with at least three years product warranty	Power: 1000–2000W, 230V AC, 50 Hz Soleplate: Non-stick or ceramic coating Temperature Control: Adjustable thermostat *Features: Indicator light, overheat protection Cord Length: ≥ 1.5 m, swivel cord Weight: ≤ 1.5 kg (lightweight design)	5
202.	Baby Vice	Very Good Quality	60mm	5

## Terms and Conditions





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

## 11. 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 Methodist College of Engineering and Technology, King Koti Road, Abids, Hyderabad – 500001, Telangana. 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. Bids shall be submitted in **English only**. 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.
- 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.
- OEM authorization is mandatory where applicable.
- 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.
- The jurisdiction for all legal proceedings shall be Hyderabad.
- 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.



### Price Schedule Format

The Technical & Financial bid must be submitted strictly in the Bid submission format provided (annexure 1). All prices must be inclusive of all taxes, duties, and delivery charges. The bidder must supply equipment to AICTE IDEALAB, Methodist College of Engineering and Technology, King Koti Road, Abids, Hyderabad – 500001, Telangana.

The price bid must be mailed to [principal@methodist.edu.in](mailto:principal@methodist.edu.in) and also to be submitted in a separate sealed envelope to:

The Principal,  
Methodist College of Engineering and Technology,  
King Koti Road, Abids,  
Hyderabad – 500001, Telangana.

Clearly marked as “Technical & Financial Bid” on the envelope

### Qualification Requirements

Bidders must submit the Technical and Financial Bids along with copies documents listed in the check list (annexure 2)

### Other Standard Forms

The following forms must be submitted:

- Non-black listing form (annexure 3)
- Declaration on Non-Chinese and/or Pakistan Origin of Equipment / Instruments / Machinery (annexure 4)
- Bid Security Declaration (annexure 5)

### 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.

- All documents not signed and stamped by the authorized signatory will be rejected.
- Incomplete or conditional bids will be rejected.
- Bids must be submitted before the deadline specified in the tender notice.
- All goods must be delivered, installed, and commissioned within the time frame specified in the Purchase Order (PO).
- Failure to meet the delivery schedule may lead to penalties or cancellation of order.



- Any faults during the warranty period must be rectified and replaced if required by the supplier at no additional cost.
- All disputes shall be subject to arbitration in accordance with the Arbitration and Conciliation Act, 1996.

#### 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. The tender shall be conducted under a Two-Bid System: Technical Bid and Financial Bid.

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

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

#### 5. Financial Criteria

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

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

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

#### 6. Evaluation and Award of Contract

All bids will be evaluated on the basis of compliance with the technical specifications, completeness of submitted documentation, financial eligibility, and price competitiveness. The contract shall be awarded to the bidder whose offer is determined to be technically responsive and lowest in cost. The purchaser reserves the absolute right to reject any or all bids without assigning any reason. The final decision on selection will be at the sole discretion of the purchaser and shall be binding on all parties.

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

All equipment must carry a minimum onsite warranty of at least **three years** from the date of successful installation and commissioning. During this warranty period, the bidder shall repair or replace any defective items at no additional cost to the purchaser. All associated transportation, testing, and labor costs shall be borne by the bidder. In case of any service delay or failure to resolve issues during the warranty period, the purchaser reserves the right to invoke penalties or reject future business from the vendor.



### 8. Conditions of Contract

- The contract shall be governed by the General Financial Rules (GFR) 2017 and the terms set forth in this document.
- The items must be delivered and installed within 45–60 days from the date of purchase order.

### 9. 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.

### 10. 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.

### 11. Submission Deadline and Contact Details

All quotations must be submitted by 06-09-2025 to the email ID [principal@methodist.edu.in](mailto:principal@methodist.edu.in) or sent in hard copy to:

The Principal, Methodist College of Engineering and Technology, King Koti Road, Abids, Hyderabad – 500001, Telangana.

Contact: Principal, MCET, PhNo 98666 66651 Email: [principal@methodist.edu.in](mailto:principal@methodist.edu.in)



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## Annexure-1

### FORMAT FOR BID SUBMISSION

**Note to Bidders:** This format must be strictly followed. Technical and financial bids must be submitted in a sealed envelope and also through e-mail.

#### I. TECHNICAL BID FORMAT

Covering Letter (on bidder's letterhead)

To: The Principal,  
Methodist College of Engineering and Technology,  
King Koti Road, Abids,  
Hyderabad – 500001, Telangana.

Subject: Submission of Technical Bid for the supply of Equipment/tools/Machine

##### 1. Bidder Information:

- Company Name:
- Registered Address:
- Contact Person:
- Email ID:
- Mobile Number:
- Legal Status: (Proprietorship / Partnership / Pvt Ltd / Public Ltd / Others)
- PAN & GST Numbers (attach copies)

##### 2. Eligibility Documents:

- Certificate of Incorporation / Registration
- GST Registration and PAN Copy
- OEM Authorization Letter (if applicable)
- Declaration of Non-Blacklisting (Annexure-3)
- Experience Certificate (minimum 3 years)
- Financial Turnover (last 3 years with CA certificate)

##### 3. Technical Compliance Sheet:

- Compliance with all technical specifications item-wise (Yes/No)
- Supporting product datasheets, brochures, or technical manuals (to be attached Compulsorily)

##### 4. Service & Warranty Details:

- Minimum warranty offered: 3 years
- After-sales support details (Please provide the details below)
- Service escalation matrix (compulsorily to be provided by the vendor)

Authorized Signatory:

Name:

Designation:

Signature with Seal:

Date:





## II. COMMERCIAL (FINANCIAL) BID FORMAT

Covering Letter (on bidder's letterhead)

To: The Principal,  
Methodist College of Engineering and Technology,  
King Koti Road, Abids,  
Hyderabad – 500001, Telangana.

Subject: Submission of Commercial Bid for [Tender Name]

Price Bid Format (to be filled as per below template):

Sl. No.	Item Description	Qty	Unit Price (INR)	GST %	Total Price (INR)
1					
2					
...					
	<b>Grand Total (incl. taxes)</b>				₹

Note:

- All prices must be inclusive of delivery, installation, training, and three years warranty.
- Bids quoting NIL charges shall be treated as unresponsive and rejected as per GFR Rule 173(i).

Authorized Signatory:

Name:

Designation:

Signature with Seal:

Date:



## Annexure-2

### CHECKLIST

(To be printed on the bidder's letterhead and signed by the authorized signatory)

Sl. No.	Document Description	Attached (Yes/No)	Page No. / Reference
1	Annexure 1-Bid submission		
2	Annexure 3-Declaration of Non-Blacklisting		
3	Annexure 4- Declaration on Non-Chinese and/or non-Pakistan Origin of Equipment / Instruments / Machinery		
4	Annexure 5- BID Security declaration		
5	Covering Letter for Technical Bid		
6	Certificate of Incorporation / Registration		
7	PAN and GST Registration Copies		
8	OEM Authorization Letter (if applicable)		
9	Experience Certificates (3 years minimum)		
10	Financial Turnover Statement (last 3 years, CA certified)		
13	Product Brochures / Catalogues		
14	Service Support Details & Escalation Matrix		

### Declaration:

I hereby certify that the above documents have been enclosed in the Technical & Financial Bid Envelope and are true and correct to the best of my knowledge.

Authorized Signatory

Name:

Designation:

Signature with Seal

Date:



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### Annexure-3

#### **DECLARATION OF NON-BLACKLISTING**

*(To be submitted on the Rs 500/-stamp paper and signed by the authorized signatory)*

---

I/We, M/s \_\_\_\_\_, having our registered office at \_\_\_\_\_, do hereby declare that:

1. **We have not been blacklisted or debarred** by any Government Department, Public Sector Undertaking, Autonomous Body, or any other Government Agency in India or abroad.
  2. We are **not involved in any litigation** that may impact or compromise the timely delivery, quality, or execution of services/goods as required under this tender.
  3. We understand that **any false declaration** in this regard shall result in our disqualification and may lead to further legal action by the procuring entity.
  4. All the information and documents submitted by us in the bid are **true and correct to the best of our knowledge and belief**.
- 

#### **Authorized Signatory:**

Name:

Designation:

Company Seal:

Date:



**Annexure-4**

**DECLARATION ON NON-CHINESE AND/OR NON-PAKISTAN ORIGIN OF  
EQUIPMENT / INSTRUMENTS / MACHINERY**

*(To be submitted on the bidder's letterhead and signed by the authorized signatory)*

---

I/We, M/s \_\_\_\_\_, having our registered office at  
\_\_\_\_\_, do hereby declare that:

1. All equipment, machinery, instruments, or components proposed to be supplied under this tender **are not manufactured in the People's Republic of China and/or Pakistan**, nor are they of Chinese/Pakistan origin or assembled using parts sourced from Chinese/Pakistan manufacturers.
2. We fully comply with the Government of India's guidelines, orders, and circulars regarding the **procurement of goods from countries sharing a land border with India**, particularly those related to restrictions on Chinese origin equipment as per:
  - o Ministry of Finance, Department of Expenditure, Public Procurement Division, Order No. F.No.6/18/2019-PPD dated 23rd July 2020, and related amendments.
3. We understand that **non-compliance** with this declaration shall render our bid **liable for rejection**, and may also invite penal action including blacklisting.
4. We undertake that, if at any stage the above declaration is found to be false, Mangalore Institute of Technology & Engineering, shall be at liberty to terminate the contract and forfeit our security deposit/performance guarantee without notice.

---

**Authorized Signatory:**

Name:

Designation:

Company Seal:



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## **Annexure -5**

### **BID SECURITY DECLARATION**

I/We understand that, as per tender conditions, bids must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with [Institution Name] for a period of one year if I am / we are in breach of any obligation under the bid conditions, including:

- (a) Withdrawal/modification of bid during the period of bid validity.
- (b) Failing to sign the contract after award of bid.

Signed:

Name:

Designation:

Official Seal:

Date: