



NOTICE INVITING TENDER

Procurement under AICTE IDEA Lab

Tender No.: KITSS/IDEA-LAB/TENDER/2024-25/01

Date: 06.05.2025

Project Title: Establishment of AICTE IDEA Lab

Location: Kamala Institute of Technology & Science

Singapur, Huzurabad, Karimnagar, Telangana, India -505468

1. Introduction

Kamala Institute of Technology & Science is inviting sealed/online tenders from eligible vendors for the supply, installation, commissioning, and training of various equipment, tools, machines and consumables under the sanctioned AICTE IDEA Lab project at our institute.

Important Dates

Activity	Date & Time
Issue of Tender	06.05.2025
Last Date of Submission	06.06.2025
Opening of Bids	15.06.2025
Issue of POs	25.06.2025
Delivery & Installation Period	Within 45 days of PO

2. Scope of Work

The scope includes:

- Supply and delivery of listed items
- Installation and commissioning
- On-site training for relevant staff
- Post-installation support and warranty

Refer **Annexure-A** for the detailed list of equipment, tools and consumables.

3. Eligibility Criteria

1. The bidder must be a registered company/firm in India.
2. Must have valid GST registration and PAN.
3. Must have executed similar work in the last 3 years (minimum 2 projects of similar nature).
4. Average annual turnover of Rs. 50 lakhs during the last 3 financial years.
5. Must submit OEM authorization (where applicable).



4. Submission Procedure

- The bids should be submitted in **Scaled Envelopes/Digital Copy** with clear Heading:
"Tender for AICTE IDEA Lab – KITSS/IDEA-LAB/TENDER/2024-25/01"

Bid Must Include:

- Company profile and registration documents
- Copy of PAN and GST
- Work experience documents
- OEM authorizations (if applicable)
- Product catalogues, datasheets
- EMD payment receipt (if applicable)
- Price of each item (including taxes, installation, delivery)
- Total cost summary
- Validity of quote (minimum 90 days)

5. Evaluation Criteria

- Bids/Quotations will be evaluated for eligibility and compliance.
- Only technically qualified bids will be considered for financial evaluation.
- L1 (Lowest Cost) method will be used for final selection.

6. Terms and Conditions

- All items should be new, branded, and in original packaging.
- Delivery and installation must be completed within 45 days of PO.
- 1-year comprehensive onsite warranty is mandatory.
- Payment: 90% on delivery and installation; 10% after successful training.
- Institute reserves the right to accept or reject any tender in part or full.

7. Contact Details

Principal/Director,
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Annexure A: List of Required Equipment Mandatory Equipment

S. No.	Name of Equipment
1	Laser Cutter
2	Laser Cutter
2	Vinyl Cutter
3	3D Printer
4	3D Scanner
5	CNC Router
6	Mini Desktop Lathe cum Milling
7	Drilling M/c 1 HP Motor
8	Handheld High Speed Drilling M/c-15000 RPM with accessories - 2 Nos.
9	Benchtop Grinder Machine
10	Solder stations (5 nos)
11	Desoldering M/c
12	Advanced, motorized Sewing Machine
13	Wood Lathe
14	Power Tools
15	Portable Welding M/c
16	Refrigerator
17	Normal and Microwave Oven
18	Magnifying Glass with Stand- 2 No.
19	Digital Microscope
20	Mixed Signal Oscilloscope
21	Digital Storage Oscilloscope
22	Signal Generator
23	Variable Power Supply
24	Benchtop Multimeter
25	Projector
26	Heavy Duty Laser Printer
27	PCB Milling Machine*
28	Smart Board
29	Computer Workstation in networking- 5 Nos
	*Low cost FeCl3 version can also be opted as an alternative



Mandatory Consumables

S. No.	Name of item
1	Vacuum Cleaner – 1No
2	Hot Air Gun- 5 Nos.
3	Measuring Equipment [Vernier calliper (0-200/0.01), Vernier height gauge (0-1000mm), Micrometer 0-50, 50-100/0.001 inside and outside)], Metal Scale etc
4	Fire Extinguisher - 2No
5	First Aid Box - 2No
6	Digital Multimeter (5 units)
7	Clothes Iron (5 units)
8	Electronic Component Repository (LCR Meter, Variac etc) – 1No
9	3D printer Filament – 2 rolls
10	Acrylic Sheets – 2mm, 3mm, 4mm, 5mm - All of area 8ftX4ft – 2sheets each
11	Foam Sheets – 8mm, 10mm, 12mm, 15mm - All of area 8ftX4ft – 2sheets each
12	Ply Boards - 8mm, 12mm, 18mm - All of area 8ftX4ft – 2sheets each
13	Nylon Rods – 12mm, 15mm, 18mm, 25mm – All of length 1Mtr – 5 each
14	Nuts – 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12 mm – 100 each
15	Bolts – dia (3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12 mm) length (1”, 1.5”, 2”, 2.5”) – 100 each
16	Screws – 3mm, 4mm, 5mm – 100 each
17	Washers – 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm – 100 each
18	Studs – 6mm, 8mm – length 1mtr – 5 each
19	Nails – 1”, 2”, 3” – 100 each
20	Adhesives – Mseal, Feviquick, fevibond – 10each
21	2Way Tapes - 20
22	PVC Pipes – 0.75”, 1”, 1.5”, 2.5”, 3” length 10ft – 1each
23	Aluminum Channels – L,C,Box, Striplength 12ft – 2 each
24	PCB Drill Bits - 0.5mm, 0.8mm, 1mm – 20 each
25	Drill Bits – 3mm, 4mm, 5mm, 6mm – 20 each
26	Drill Bits – 8mm, 10mm, 12mm – 5 each
27	Carpentry Boring Bits – Entire Kits - 1
28	Electronic Active and Passive components – Resistors, Capacitors, Diodes, Transistors – 10 each
29	USB Cables – for connecting Arduino and other development boards - 10
30	Radium Cutter Knives - 10
31	Glue Sticks - 50
32	Hack Saw Blades 6”, 12” – 10 each
33	9V Battery Snaps - 20
34	LAN Cables – for connecting Raspberry pi - 5
35	9V Batteries - 20



Mandatory Tools

S. No	General & Mechanical Tool Name
1	Hacksaw (5 Nos.)
2	Micro Chisel Set (3 Nos.)
3	Pliers (3 Sets)
4	Manual PCB Drilling Machine (3 Nos.)
5	PCB power Drilling Machine (3 Nos.)
6	Cordless Drilling Machines (2 Nos.)
7	Jigsaw Machines (2 Nos.)
8	Power Circular Saw (2 Nos.)
9	Files Set (2 Sets)
10	File Handles (1 Set)
11	Needle Files (2 Sets)
12	Pipe Vice (2 Pcs)
13	Mini HackSaw (5 Nos.)
14	Ball Peen Hammer (5 Nos.)
15	Steel Shaft Claw Hammer (5 Nos.)
16	Nylon Mallet (5 Pcs)
17	Rubber Mallet (5 Pcs)
18	Allen Key Set (3 Sets)
19	Dremel multi tool kit (2 Nos.)
20	Double ended spanner sets (2 Sets)
22	12 Piece Open ended Spanner Set (2 Sets)
22	Belt and Disc Sanding Machine (1 No.)
23	Scroll Saw Machine (1 No.)
24	Tool Wall covering Perforator (3 pcs)
25	Dremel Moto Saw
26	Bench Grinding Machine
27	Power Return Measuring Tape (5 Nos.)
28	Tri Square 8" (5 Nos.)
29	Stainless Steel Rule (5 Nos.)
30	Digital Vernier Caliper (5 Nos.)
31	Spirit Level (5 Nos.)
32	Dremel Cordless Rotary Tool
33	Power Router
34	Sewing Machine
35	Impact Drill (3 Units)
36	Ratchet Set (2 Units)
37	Router Bit Starter Kit
38	Scroll Saw



Electrical Tools

S. No	Electrical Tool Name
1	Hot Air Blower With Soldering Iron (5 Nos)
2	Tin Cutter with Spring (10 units)
3	Centrifugal Blower
4	Screwdriver Sets (2 sets)
5	Cutting Mats (5 Nos.)
6	Vacuum Cleaner (2 Nos.)
7	Hot Air Gun- 5 Nos.
8	Micrometer - 5 Nos
9	Glue Gun-5 Nos
10	Air Compressor
11	Allen Set Wrench (5 set)
12	Tongue and Groove Pliers (5 pcs)
13	Non-contact voltage tester (5 pcs)
14	Wire Stripper (5 pcs)
15	Fish Tape (2 pcs)
16	Flashlights (2 pcs)
17	DC Regulated Power Supply (3 units)
18	Solder Wick (10 pcs)
19	Filament Dehydrator
20	Reflow Oven
21	Glass Cutter
22	Gypsum (10kg)
23	Digital Multimeter (5 units)
24	Clothes Iron (5 units)
25	Oscilloscope (4 units)

Networking Tools

S. No	Networking Tool Name
1	C-Clamp (10 pcs)
2	Ratchet clamp 8 inches/200mm (10 pcs)
3	Baby Vice 60 mm (5 pcs)
4	Bench vices (5 units)
5	Anvil



Optional Equipment's & Consumables

S. No.	Equipment
1	Coil Winding M/c motorized
2	Plotter -Printer
3	HAM Radio transceiver, antenna and related equipment
4	Relevant Software (Academic Licenses)

S. No.	Consumable
1	Sensor set including sensors for Home/ Industry/ Agriculture Automation, Medical diagnosis
2	Arduino UNO boards (10 sets including USB A to B cable+ male -male connecting wires+ female to female connecting wires+ male -female connecting wires)
3	NodeMCU (ESP8266) boards (10 sets (10 sets including USB A to B cable + male -male connecting wires + female to female connecting wires+ male -female connecting wires)
4	Raspberry Pi 4 boards (05 sets including HDMI - mini HDMI connector, Memory card of 8 GB, adaptor, casing)
5	BeagleBone AI for Artificial Intelligence based applications (5 sets)
6	BeagleBone -Black-Wireless 5 sets)
7	Peripheral sets for Arduino/ NodeMCU/ Raspberry Pi (10 sets)
8	ESP32 CAM Development Board WiFi+Bluetooth with OV2640 Camera Module (5 sets)
9	Solnoi Electronics Raspberry Pi 3 Camera Module Night Vision Camera (5 sets)

K. Shanker

Director
Dr. K Shanker