



TENDER NOTICE

No. SJC/AICTE IDEA LAB/2025-26/T01

Date: 29.09.2025

St. Joseph's College of Engineering and Technology, Palai (Autonomous) invites sealed tenders under a **two-bid system** (Technical and Financial) from qualified and reliable manufactures / suppliers for the **supply and installation of machinery and equipment (SCHEDULE WISE)** for the establishment of an **AICTE IDEA (Idea Development, Evaluation & Application) Lab** at the institution.

Interested and eligible manufactures/ suppliers may download the tender documents, including technical specifications and guidelines, from the official website: <https://www.sjcetpalai.ac.in/IDEALAB>. Tender can be submitted on or before due date along with necessary documents submitted in hard copy in sealed cover to **The Principal, St. Joseph's College of Engineering and Technology, Palai (Autonomous), Choondacherry P.O., Kottayam, Kerala : 686579.**




PRINCIPAL

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NAAC Accredited with 'A' Grade in the First Cycle

BID DOCUMENT

Notice Inviting Tender No.	No. SJC/AICTE IDEA LAB/2025-26/T01
Name of the Work	Supply, Installation, Commissioning and Testing the following Equipment (Schedule wise list): ANNEXURE - A
Other Terms (Vendor has to submit the required documents after installation)	1. Knowledge transfer and training should be provided to the faculty. 2. Include the machine/equipment instruction manual (in English) and the circuit/block diagram in English. 3. The standard operating procedure (SOP) Manual (in English) to be supplied.
Warranty	Minimum 1 year
Annual Maintenance Contract	Include AMC details
Technical Specification (Schedule Wise)	Annexure – A (i) Schedule A : Electronic Items (ii) Schedule B : Mechanical Items (iii) Schedule C : Electrical Items and Measuring Instruments (iv) Schedule D: Consumable Items (v) Schedule E : Consumer Electronic Equipment (vi) Schedule F : Computer and Peripherals
Declaration in Company Letterhead	Annexure – B
Financial Bid	Annexure – C
Manufacturing Authorization Form (MAF)	Annexure – D
Mandate Form	Annexure - E
Tender Creation Date and Time	29.09.2025 and 4:00 PM.
Tender Closing Date and time	16.10.2025 and 5:00 PM
Technical Bid Open Date and time	17.10.2025 and 10:00 AM.



Eligibility Criteria

1. The Bidder must be an authorized supplier or service provider for the quoted products.
2. The Bidder should not have been blacklisted by any Govt. Dept./Semi-Govt./Dept. or any other organization
3. The Bidder Should be a registered firm/company in India with valid GST and PAN.
4. Each bidder must have a substantial annual turnover over the last three financial years (FY 2022-23, 2023-24, 2024-25). (Proof must be submitted).
5. The Bidder must have the Experience in supplying similar items is essential (proof of past supply must be submitted).

Bid Details

- The quoted rate shall remain valid for a minimum period of **30 days** from the last date of submission
- The quoted prices should be fixed and inclusive of all taxes, transportation, packaging, insurance, unloading, installation, commissioning, and training charges. There shall be no extra claim under any circumstances after the finalization of the bid.
- Only **one quotation per firm** will be accepted. Any multiple quotations for the same items will disqualify the vendor.
- Item-wise pricing must be provided in the **prescribed financial format**.

Quotation Submission Guidelines

- Bids should be submitted in a **sealed envelope** and should be scripted at the top of the cover as "**AICTE SJCET IDEA LAB - QUOTATION**".
- The Technical Bid and the Financial bid should be placed in separate labelled sealed covers and addressed to:

**The Principal,
St. Joseph's College of Engineering and Technology, Palai,
Choondacherry P.O., Kerala - 686579**

Required documents

- GST Registration Certificate
- PAN/TAN Copy
- Item-wise technical product specifications



Evaluation of Quotations

Quotations will be evaluated **schedule wise** by the Institute Technical committee based on:

- Compliance with specifications and terms of supply and service
- Valid documentation.
- Responsiveness

Award of Contract

- Award of contract will be made schedule-wise to the most competitive bid.
- The Institution Purchase Committee reserves the right to accept/reject any or all quotations without assigning any reason.
- Selected bidders will be notified formally with a **Purchase Order**, and the terms will be binding.

Additional Terms

- Payment will be released **post successful delivery, inspection, and training (if applicable)**.
- Supplier must ensure product warranty and quality assurance.
- Any damage or mismatch during delivery will not be entertained for payment.
- Bidders must **clearly mention applicable taxes (GST)**.

Delivery Location

Materials must be delivered to:

**St. Joseph's College of Engineering and Technology, Palai,
Choondacherry P.O., Kerala - 686579**

We invite all eligible firms to participate and thank you for your interest in contributing to the development of the IDEA Lab.




PRINCIPAL

Annexure A

Schedule A: Electronic Items

Sl. No.	Item	Specifications	Quantity
1	Mixed Signal Oscilloscope	Mixed Signal Oscilloscope 100 MHZ 4 Channel 2GSa/s 12 Bit High resolution; 50 Mpts memory depth; 500,000 wfm/s waveform capture rate; 8" TFT-LCD with capacitive touch screen 1024*600); SPO technology, 2 Mpts FFT Serial bus triggering and decode (Standard), supports IIC, SPI, UART, RS232, CAN, and LIN ; Support MSO, USB AWG Bode Plot: USB WIFI	1
2	Digital Storage Oscilloscope	Digital Storage Oscilloscope 100MHz, 2 Channel 2GSa/s 12-bit high resolution with 8" inch touch screen display; 100 MHz; 2 channels; 2 GSa/s; 50 M memory depth; 500,000 wfm/s waveform capture rate; SPO technology, 2 Mpts FFT Serial bus triggering and decode (Standard), supports IIC, SPI, UART, RS232, CAN, and LIN ; Support MSO, USB AWG Bode Plot: USB WIFI	1
3	Signal generator	Dual Channel Function/Arbitrary Waveform Generator 60MHZ: 2 channels; 150MSa/s; wave length: 16Kpts; function/arbitrary waveform output amplitude: 4mV ~ 20Vpp (high impedance); Modulation function (AM, DSB-AM, FM, PM, ASK, FSK, PWM, Sweep, Burst); frequency counter function, Easy Pulse technology. Standard interfaces: USB Device, USB Host.	1
4	Magnifying Glass with Stand	Power adapter: Input 110-240V 50/60Hz, Output: DC 4.8V 250mA. Welding holder size: length 6.3cm/2.48in, Base size: 10 * 6.8cm / 3.94 * 2.68in (L * W). Features: Material: ABS + electronics material	2



5	Arduino NANO	5
6	Arduino Mega	3
7	Arduino UNO R4	5
8	Raspberry Pi Model 5, 4GB	3
9	ESP8266 Node MCU	5
10	ESP32 Development Board	5
11	NVIDIA Jetson Nano 4GB Module	3
12	STM32 Module	3
13	Voltage Regulator Module	2
14	Mini Micro submersible Water Pump	2
15	Piezoelectric Plate	2
16	8*8 LED Matrix Module	2
17	Bluetooth Module	2
18	7 Segment LED Display	2
19	GSM, GPRS, and GPS Modules	3 sets each
20	Laser Module	2
21	LDR Module	2
22	4×4 Matrix Keypad	2
23	Joy Stick Module	2
24	Active Buzzer (BIG)	2
25	Active Buzzer (SMALL)	2
26	Motor Driver	2
27	Sound Playback Module	2
28	BO Motors	10
29	Vibrating Motor	10
30	Capacitive Touch Switch	2
31	IR Sensors (Obstacle Sensors)	2
32	Triple Axis Magnetometer	2
33	Humidity Sensor	2
34	MQ-2 Gas sensor	2
35	MQ-3 Gas sensor	2
36	MQ-4 Gas sensor	2
37	MQ-5 Gas sensor	2



38	MQ-7 Gas sensor		2
39	Ultrasonic Sensor Module		2
40	Triple Axis accelerometer		2
41	PIR Motion detector Module		2
42	Pulse Rate Heart Sensor		2
43	Relay Module		2
44	Soil Moisture Sensor		2
45	Touch Sensor		2
46	Rain Drop Sensor		2
47	Flex Sensor		2
48	Temperature Sensor		2
49	Force Pressure Sensor		2
50	Colour Recognition Sensor		2
51	Water Flow Sensor		2
52	Sound Sensor		2
53	IR Sensor Array for Line Following		2
54	RFID Reader-Tags		2
55	RF Modules Tx& Rx 315 MHz ASK		2
56	Stepper motor with Driver Board		2
57	Servo Motor 360 rotation		10
58	Servo Motor 180 rotation		10
59	Metal Gear Servo Motor (180° Rotation)		10
60	Solder Wire 100g		10
61	Solder Flux		10
62	830 Points Solderless Breadboard		5
63	400 Points Solderless Breadboard		5
64	Copper Clad Board single side		10
65	Copper Clad board double side		10
66	Male to Male Breadboard Jumper		10



67	Female to Female Breadboard Jumper		10
68	Male to Female Breadboard Jumper		10



Annexure A

Schedule B : Mechanical Items

Sl. No	Item	Specifications	Qty
1	Vinyl Printer and Cutter	Plotter Width: up to 630 mm Plotter Speed: up to 800 mm/s Cutting Force: 50–500 g Mechanical Resolution: 0.025 mm/step (Approx.) Blade Type: Super Steel (1.2 mm and 2.0 mm) Display Panel: 8-digit × 2-line LCD Interface: USB Port, Serial Port Measurement: up to 960 × 350 × 430 mm Buffer Capacity: 1–4 m Power Requirement: 220 V. Stand to be included	1
2	3D Printer	Printing Technology: FDM Build Volume: 220 x 220 x 250 mm Motion System: CoreXZ with high-torque motors and timing belts Max. Speed: 600mm/s Max. Acceleration: 20,000mm/s ² Extruder: High-temperature direct drive with a hardened steel tri-metal nozzle Leveling: Fully automated (input shaping, Z offset, leveling) Display: Large, bright, color touchscreen with Creality OS (Clipper-based) File Transfer: USB-A for direct printing or web interface control Frame: Rigid, single-piece die-cast aluminum frame Connectivity: WiFi	3
3	3D Printer	Printing Size: 300mm x 300mm x 300mm Extruder Type: Direct Drive Extruder Filament Compatibility: PLA, ABS, PETG, TPU, and more Display: 4.3-inch Color Touchscreen Motherboard: Silent Motherboard Connectivity: USB, SD Card, Creality Cloud Rated Power 350 W Additional Features: Filament Run-out Sensor Auto Leveling	2
4	Drilling M/c 1 HP Motor	No Load Speed: 0 - 3500 rpm Motor Power: 1 HP or more Torque: up to 11 Nm. Drill Depth: up to 160 mm. Drilling Diameter: up to 25mm	1
5	Handheld High Speed Drilling Machine	Power : min. 450 W Drill chuck version : Keyed chuck. Voltage: 220–230 V Max. speed- up to 3000 rpm Bpm-2000	2



		Drill spindle connecting thread : 3/8"-24 UNF Chuck capacity: 1.5 – 10 mm. Drilling range: Concrete : 10 mm Wood : 20 mm Steel : 8 mm	
6	Benchtop Grinder Machine with accessories	Power: min. 375 W Cotton buffing and wire brush wheels , dia. 150 mm, width 20 mm or more Cast iron base with rubber mounts Max. Speed: 3500 rpm 2 Tool Rests, 2 Eye Shields Material - Plastic, Metal	1
7	Cordless drilling machine	Power Source: Battery, Lithium ion or equivalent Maximum Rotational Speed: min. 2500 rpm Maximum Chuck Size: 10 mm	2
8	Portable Welding Machine	Power Source: A/C single phase 230 V Power: 4000 - 5000 W Portable and compact design Current Range: 20 – 200 A	1
9	Belt and Disc Sanding Machine	Motor: 230V 50Hz Power: 350- 400W, S2 30min No-load Speed: 1000 -1500 rpm Belt Size: 100x914mm Disc Size: up to 150mm Table Tilting Range: 0°-45° Belt Tilting Range: 0°-90° Table Size: 190 x125mm or more	1
10	Scroll Saw	Thickness of cut: 50 mm (2 inch) Throat: 406 mm (16 inch) Length of Stroke: min. 18 mm (11/16 inch) Strokes Per Minute: 400-1,600 SPM Overall Length: 600 mm (23-5/8 inch)	1
11	Jig Saw	Power: 450 - 500 W, 230 V AC Saw Stroke Length: Approximately 20 mm. Stroke Rate at No Load: Adjustable approximately 800 to 3,100 spm (strokes per minute). Weight: Approximately 2.00 kg. Bevel Angle: Adjustable within approximately - 45° to 45° range.	2
12	Centrifugal Blower	Air flow : 270- 330 m ³ /hr Power : 350 - 400 W, 230 V AC, 3000 rpm Pressure : min. 800 Pa Noise level:< 100 dB	1



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13	Hot air blower with soldering iron	Power supply - 230 V AC Temperature : air gun 100 – 480 °C : Soldering station 200 - 480°C Display : LCD Screen Air flow : Brushless fan, soft wind Solder station power : 50-100 W Airflow : min.120 lpm	5
14	Cordless Screw Driver	Battery Capacity: Around 1.5 Ah nominal capacity. Torque : 14 - 30 Nm 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): 0.8 mm - 10 mm. Weight (Excluding Battery): About 0.8 kg. Torque Settings: min. 20 adjustable	1
15	Rubber Grip Hacksaw	Depth of Throat: Approximately 98 mm (3.85 inches) nominal depth. Blade Length: Around 254 mm (10 inches) standard length.	5
16	Hacksaw Mini	Blade Length: Approximately 10 inches nominal length. Handle Material: Constructed from metal as standard. Overall Length: Around 11 inches total length.	5
17	Claw Hammer Steel Shaft	Weight: 220 grams Dimensions: 27.8 cm × 12.4 cm × 3.6 cm (L × W × H)	5
18	Ball Peen Hammer	Weight: 110 grams nominal weight. Dimensions: 32.6 cm × 10 cm × 2 cm (L × W × H)	5
19	Rubber mallet	Weight: Weight around 500g. Dimensions: Around 35 cm × 10 cm × 6 cm (L × W × H)	2
20	Ring spanner set 12Pcs	Quantity: 12 pcs per set. Size: 6 mm to 32 mm overall range.	1set
21	Open end spanner set 12Pcs	Qty: 12pcs/set. Size: 6mm-32mm overall dims.	1set
22	Combination Spanner set 8Pcs	Qty: 8pcs/set.	1 set
23	Allen key set 10pcs	Hex Key Size: 1.5,2,2.5,3,4,5,5.5,6,8,10mm; Qty:10pcs/set	3
24	Combination plier	Size: 8"/200mm	2
25	Long nose plier	Size:180 mm/6"	2
26	Circlip plier straight 5"	Size:130 mm/5"	2
27	Circlip plier bent	Size:130 mm/5"	2
28	Diagonal Cutter	Size:180 mm	2
29	Wire Stripper	130mm	5
30	Adjustable spanner	Size: 150 mm	1
31	Pipe wrench	Size: 300 mm	1
32	C- clamp	Size: 75 mm	4
33	C- clamp	Size: 150 mm	4
34	Snap- off knife	Size:18 mm	2
35	16pcs screw driver set	Pieces Per Set: 16 pcs	1
36	6pcs precision screw	Pieces Per Set: 6 pcs	1



	driver set		
37	Max steel snip cutter	Length: 250 mm	4
38	Hot Glue Gun	Power: 40 W	5
39	Small file set	Length: 160 mm	2
40	Big file set	Length: 200 mm	2
41	Bench vice	Base Type: Fixed Size: 8"	5
42	Drill bit set	HSS, 3 mm, 4mm, 5 mm, 6 mm	20 nos. each
43	Drill bit set	HSS, 8 mm, 10 mm, 12 mm	05 nos. each
44	Baby vice	Vice Type: Bench Size: 2.5" (60 mm)	5
45	Ratchet Spanner Set	Ratchet spanner	2
46	Digital Vernier Caliper	Product Type: Digital Calliper Meas.Range: 0-150mm/0-6" Resolution: 0.01mm	2
47	Micrometer	Resolution: 0.01mm Meas.Range: 0-25mm/0-1"	1
48	Steel Rule 300mm	Product Type: Steel Rule Scale Size: 12"/300mm Material: Stainless Steel	5
49	Steel Rule 600mm	Product Type: Steel Rule Scale Size: 24"/600mm Material: Stainless Steel	5
50	Engineering Square	Size: 200 mm Material: Carbon Steel	5
51	Freeman Measuring Tape 30m	Length: 30 m	1
52	Measuring Tape 3m(Steel)	Length: 3 m	1
53	Measuring Tape 5m	Length: 5 m	1
54	Spirit Level	Vials: 3 Accuracy: 0.5mm/m Length: 300mm	2
55	Fire Extinguisher	Fire Extinguisher- Industrial Standard Make	4
56	First Aid Kit	First Aid Kit - Industrial Standard Make	2
57	Safety Gloves Pair	Gloves - Industrial Standard Make	10
58	Hex. Nuts	(3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm) Pack of 100	1
59	Hex. Bolts	(3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm), Length : 25, 35 and 40 mm (10 nos. each)	1
60	Wood Screws	(3mm, 4mm, 5mm) each with 25 mm length with Pack of 100	1
61	Washers	(3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm) Pack of 100	1
62	Studs	(6mm, 8mm), 1 m	5 each
63	Nails	(1", 2", 3", 1.5", 5") Pack of 100	1
64	2 Way Adhesive Tape (small)		20 rolls
65	PVC Pipe, 20 mm - 3m		1
66	PVC Pipe, 25 mm - 3m		1



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67	PVC Pipe 40mm – 3m		1
68	PVC Pipe 50 mm – 3m		1
69	Aluminium channels (L, C, Box, 40mm strip length 4m		2 each



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Annexure A

Schedule C : Electrical Items and Measuring Instruments

SLNo	Item	Specifications	Qty
1	Solder stations	Power Rating: Approximately 60 W 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. MCH Solid State Element used as compared to winding element used in other's products. ESD Safe Power Supply to Iron: 24 Volts / 60 Watts	5
2	Desoldering Machine	Power Source: Corded Power : 30 W Portable Included Components: Desoldering Iron solder tool This desoldering Iron solder tool adopts durable and ceramic heater. Light weight with a heat resistant plastic handle. Possessing fast and heat dissipation, withstanding high voltage and temperatures. Iron plated tip and stainless steel construction for longer life. 30W Desolder Iron	1
3	Reflow Oven	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 Cooling zone details (4° degree/s)	1



4	Digital multimeter	Display: 6000 counts DC voltage: up to 1000 V, accuracy $\pm 0.5\%$ + 3 digits AC voltage: up to 1000 V, accuracy $\pm 1.0\%$ + 3 digits DC/AC current: up to 10 A, accuracy $\pm 1.5\%$ + 3 digits Resistance: ranges up to 40 MΩ, accuracy: ± 0.5–1.5% depending on range Capacitance: up to 1000 μF, accuracy $\sim \pm 2$–5% depending on value Operating/storing temperature: 0 $^{\circ}$C–40 $^{\circ}$C and –30 $^{\circ}$C–60 $^{\circ}$C Dimensions & Weight: 183 $\times$ 91 $\times$ 49.5 mm, 455 g Safety ratings: IEC-compliant, CAT III 600 V, CAT II 1000 V, Pollution Degree 2	5
5	Non-Contact Voltage Tester	Function: Non-contact AC voltage detection tester. Voltage Detection Range: Approximately 50 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 $^{\circ}$C. Power Source: Powered by standard batteries Safety Standards: Complies with IEC/EN 61010-1 CAT III 1000 V safety standards. Weight: Lightweight, approximately 150 g for ease of portability.	5
6	LCR Meter	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: 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.	1



7	Hot air gun	Rated Input Power: Approximately 3000 W Voltage, Electrical: Nominal 230 V AC supply. Working Temperature Range: Adjustable within approximately 60 °C to 550 °C. Heat-Up Time: Approximately 1 second to reach target temperature. Airflow: Adjustable within approximately 350 to 550 liters per minute. Airflow Control: Three selectable airflow settings. Power Source: Corded	2
8	Variable Power Supply	Programmable DC Regulated Power Supply Triple Output: 3 independent controlled and isolated output: 32V / 3.2A×2, 2.5V / 3.3V / 5V / 3.2A×1, total power 220W. Resolution:10 mV/10 mA Three output modes: independent, series and parallel LED display; 32 V full scale, 4 digits; 3.2 A full scale, 3 digits 100V / 120V / 220V / 230V compatible design Intelligent fan for temperature control, effectively reduces noise. Supports SCPI commands & USB device interface.	2
9	Bench Top Multimeter	Benchtop Digital Multimeter 6½ Digit: 150rdgs / s measurement speed; 5 inch (640 * 480) true color TFT-LCD screen display; True RMS AC voltage and AC current measurements. Support GPIB Interface and Scanner Card	2



Annexure A

Schedule D: Consumable Items

Sl. No.	Item	Specifications	Qty
1	Acrylic Sheets (Clear)	2mm, 3 mm, 4mm, 5 mm All of area 8 ft x 4 ft	2 sheets each
2	Foam Sheets	8mm, 10 mm, 12 mm, 15mm All of area 8 ft x 4 ft	2 sheets each
3	Ply Boards	8mm, 12 mm, 18 mm. All of area 8 ft x 4 ft	2 sheets each
4	Nylon Rods	12 mm, 15 mm, 18 mm, 25 mm All of length 1 m	5 each
5	3D Filament – Wot3D or equivalent	Print Temp- 190°C – 220°C Diameter- 1.75mm	Each colour 1 No. 1. PLA - FLUO POPSICLE GREEN 2. PLA – POPSICLE ORANGE 3. PLA – CANDY RED 4. PLA – BUMBLEBEE YELLOW 5. PLA – SKY BLUE 6. PLA - MIDNIGHT BLACK 7. PLA - NATURAL WHITE 8. PLA - DAISY WHITE 9. PLA – WOOD FILAMENT 10. PLA – CARBON FIBRE BLACK 11. PLA – SKIN COLOR 12. ABS – WHITE 13. ABS – BLACK 14. ABS – GREY 15. TPU – WHITE 16. TPU – BLACK 17. PETG – CARBON FIBRE – WHITE



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Annexure A

Schedule E : Consumer Electronic Equipment

Sl.No	Item	Specifications	Qty
1	Advanced motorized Sewing Machine (Singer 4423 Heavy duty zig zag sewing machine) or equivalent	Power : 90 W Feed dog with 106 teeth in 6 rows	1
2	Refrigerator (Haier 240 L, HRF-2902BSB-P) or equivalent	Refrigerant R- 600 a, Auto defrosting	1
3	Normal and microwave Oven (LG 28L convection microwave combination oven, MC 2846BV) or equivalent	Capacity : 28 L Grill power consumption :1200 W Convection power consumption : 1950 W Microwave power levels : 5	1
4	Vacuum Cleaner Eureka Forbes Stellar, GFCDFSTER00000) or equivalent	Power : 1600 W Capacity: 2.5 litre	1
5	Cordless Vacuum Cleaner(Bosch heavy duty cordless vacuum cleaner GAS18V-1) or equivalent	Power : 18V lithium-ion battery Tank capacity : 0.7 Litre Noise Level < 80 dB	1



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Annexure A

Schedule F : Computer and Peripherals

Sl No	Item	Specifications	Qty
1	PROJECTOR	Full HD Projector • Brightness: up to 4,000 lumens • Resolution: Full HD 1080p (1920 × 1080), 16:9 • Contrast Ratio: 16,000:1 • Lamp Life: up to 17,000 hours (eco mode) • Screen Size: 30" – 300" • Keystone Correction: Vertical & Horizontal ±30° • Connectivity: HDMI, VGA, USB, Ethernet, Audio in/out, Wireless • Features: Built-in speaker, Split Screen, Network projection, PC-free operation Screen: Flat Fixed Frame 165" CineWhite, 1.1 gain, 16:9 ratio	1
2	COMPUTER WORKSTATION IN NETWORKING	All-in-One Desktop PC – 27" (68.6 cm) Processor: Ultra 5 Series, 12 cores / 14 threads, up to 4.3 GHz, Turbo Boost Memory: 16 GB DDR5 (1×16 GB, 5600 MT/s) Storage: 512 GB PCIe NVMe M.2 SSD Graphics: Integrated Graphics Display: 27" FHD IPS, anti-glare, three-sided micro-edge, 300 nits, 99% sRGB, flicker-free Connectivity: Wi-Fi 6, Bluetooth 5.3, 10/100/1000 GbE LAN Ports: USB Type-C & Type-A, HDMI-out 1.4, RJ-45, audio combo Camera & Audio: 1080p FHD IR tilt webcam, dual-array microphones, dual 2 W speakers	3
		All-in-One High-Performance Desktop PC – 31.5" (80 cm) Processor: Ultra 7 Series, 16 cores / 22 threads, up to 4.8 GHz, with Turbo Boost Memory: 16 GB DDR5 (2×8 GB, 5600 MT/s) Storage: 1 TB PCIe Gen4 NVMe SSD Graphics: NVIDIA GeForce RTX 4050 Laptop GPU, 6 GB GDDR6 Display: 31.5" 4K UHD IPS, anti-glare, three-sided micro-edge, 550 nits, 95% DCI-P3, flicker-free Connectivity: Wi-Fi 7, Bluetooth 5.4, 10/100/1000/2500 GbE LAN Ports: USB Type-C & Type-A, HDMI in/out, RJ-45, audio combo Camera & Audio: 5 MP IR webcam, dual-array microphones, dual 5 W speakers with DTS:X Ultra	2
3	SMART BOARD	75" UHD Interactive Panel Display: 75" IPS, 4K UHD (3840 × 2160), 16:9, anti-glare, 450 nits, 72% NTSC, flicker-free Response Time: 8 ms Color Depth: 10-bit Orientation: Landscape Touch: Ultra Precision IR, up to 50 touch points, <2.5 ms response Operating System: Android 15.0 CPU / GPU: Arm Cortex-	1



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		A78 × 4 + A55 × 4 Arm Mali-G57 MC5 Memory / Storage: 64 GB / 128 GB with 8 / 16 GB RAM Connectivity: • VGA ×1, HDMI 2.0 ×4 (in), HDMI 2.0 ×1 (out) • DisplayPort 1.2a ×1 • USB-A ×8 (7×3.0, 1×2.0), USB-C ×4, USB-B ×3 • Audio: 3.5 mm line in/out, mic, earphone, S/PDIF optical ×1 Camera: 4K UHD, 8.29 MP, 110° horizontal FOV, digital 4× zoom, fixed focus, low-light 0.01 Lux, AI features: auto framing, voice tracking, noise cancellation Software: Whiteboarding, Wireless Screen Sharing, Device Management (DMS), Account Management (AMS), Floating Tool, Broadcast System Accessories Included: VGA, HDMI, USB-C/B cables, wall mount, 2 pens, remote control, smart camera	
4	HEAVY DUTY LASER PRINTER	Laser Printer – Color / Mono Functions: Print Print Speed: Up to 26 ppm (A4, Mono/Color), Up to 27 ppm (Letter, Mono/Color) Print Resolution: 600 × 600 dpi (2,400 dpi class) Duplex Printing: Automatic 2-sided (Plain, Thin, Recycled Paper) Paper Handling: • Input: Up to 250 sheets (80 gsm) + 1-sheet manual feed • Output: Up to 150 sheets (face-down), 1 sheet face-up • Paper Sizes: A4, Letter, Legal, Executive, B5, A5, A6, Envelopes, and others • Paper Types: Plain, Thin, Thick, Recycled, Bond, Label, Glossy, Envelope Connectivity: USB 2.0, Ethernet, Wi-Fi (802.11a/b/g/n), Wi-Fi Direct Wireless Security: WEP/WPA/WPA2/WPA3 support, WPS	1



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Annexure B

(To be submitted by bidder on its Company Letterhead)

It is here by submitted that if I/We(Name of bidder/firm/company) withdraw or modify the bids during period of validity, or if I/We..... (Name of bidder/firm/company) are awarded the contract and I/We.....(Name of bidder/firm/company) fail to deliver the contract before the deadline mentioned in the purchase order, I/We(Name of bidder/firm/company) will be suspended to take part in SJ CET's tendering process for a period of two years.

Date :

Authorized Signatory



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FINANCIAL BID

[illegible]

1. If there is any discrepancy in figures and words in the quote, the rate quoted in words shall prevail
2. The split up details like taxes, transportation, packaging, insurance, unloading, installation, commissioning, and training charges etc. shall be clearly mentioned without ambiguity.
3. Post warranty service terms and conditions shall be clearly stated with AMC/ service charges



(22/29)

FINANCIAL BID

[illegible] $(23/29)$

FINANCIAL BID

[illegible]

Note: -

- 

$$(24/29)$$

FINANCIAL BID

[illegible]

(25/29)

FINANCIAL BID

[illegible]

(26/29)

Annexure C

FINANCIAL BID

Schedule F: Computer and Peripherals

Sl. No.	Item	Price in Rs. Per unit	No of Units	Amount (in Figures)	Amount (in Words)

Signature of Tenderer/Authorized Signatory :

Name of the Tenderer :

Seal of the Tenderer :

Address :

Note: -

1. If there is any discrepancy in figures and words in the quote, the rate quoted in words shall prevail
2. The split up details like taxes, transportation, packaging, insurance, unloading, installation, commissioning, and training charges etc. shall be clearly mentioned without ambiguity.
3. Post warranty service terms and conditions shall be clearly stated with AMC/ service charges



(27/29)

Annexure D

**ORIGINAL MACHINERY & INSTRUMENTS MANUFACTURER
(OEM) Manufacturing Authorization Form (MAF)**

(On Letter Head of Manufacturer)

Ref. No:

Date:

To

**The Principal
St. Joseph's College of Engineering and Technology, Palai
Choondacherry P.O. Kerala - 686579**

We manufacturers of Original Machinery & Instruments at _____
do hereby authorize (M/s. Name and address of the agent) to submit an offer against the Tender
for the supply of (Name of the Machinery & Instruments).

M/s..... is authorized to submit the bid and conclude
the contract regarding business.

We hereby extend our full guarantee and warranty for the goods offered by the above
firm. The dealer is associated with us from the period to
.....

Yours faithfully,

(Signature)

Name and seal of the Manufacturer.



(28/29)

Annexure E

MANDATE FORM

ELECTRONIC CLEARING SERVICE (CREDIT CLEARING)/REAL TIME GROSS SETTLEMENT
(RTGS) FACILITY FOR RECEIVING PAYMENTS

DETAILS OF ACCOUNT HOLDER: -

NAME OF THE ACCOUNT HOLDER	
COMPLETE CONTACT ADDRESS	
TELEPHONE NUBER//E-MAIL	
GST Number	
PAC Card Number	

BANK ACCOUNT DETAILS:

BANK NAME	
BRANCH NAME WITH COMPLETE ADDRESS	
TELEPHONE NUMBER AND E-MAIL	Bank Ph. No : E-aíl :
IFSC CODE	
IS THE BRANCH ALSO NEFT ENABLED	YES / NO
TYPE OF BANK ACCOUNT(SB/CURRENT)	SAVINGS ACCOUNT / CURRENT ACCOUNT
BANK ACCOUNT NUMBER	
MICR CODE OF THE BANK	



(29/29)