

**CSIR – CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE,  
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**Annual Procurement Plan FY 2024-25 of Consumables**

<b>S. No.</b>	<b>Item(s) Name</b>
1.	IR windows and source
2.	IR detectors
3.	Minor electronic components
4.	PCB fabrication
5.	Pumps and accessories
6.	Mechanical Assembly and fabrication
7.	Miscellaneous mechanical components
8.	IR LVF filter-based array
9.	Lock-in amplifier boards
10.	Electronic components, ICs and other computer accessories
11.	Motor controller
12.	Optical components
13.	VCSEL laser and drivers
14.	Stationary, Meeting Expenses towards project staff recruitment advertisement charges
15.	Mechanical & PCB Fabrication
16.	Embedded development boards, processor chips, OLED, LCD, ECG electrodes, Sensors, Lithium Batteries, switches, steering wheel covers, conductive Fabrics, Conductive sheets, Multiple gauge wires, PCB soldering Stand, Soldering accessories, Multiple type USB cables, Speakers, Electronics writing pads, X-ray medical aprons, SD cards, Pen drives, 3D Printing prototypes, Educational Kits, RAM, Hard Disk
17.	Field Data collection
18.	Photo-optic units consisting of IR Sources, Lenses, collimation units, probes, fibers, mounts, detectors, and other accessories.
19.	Assorted Electronic components, sensors, I/O Units, RF modules, cables, connectors, convertors, extension cords, development boards, and Adaptors.
20.	Raw materials and tools for mechanical fabrication work such as aluminium/MS frames, aluminium/copper sheets, assorted nuts, bolts, bearings, springs etc.; rubber/plastic hose; pneumatic/hydraulic valves and systems; and other accessories
21.	Batteries, power supply modules, power backup system
22.	Items for conducting Training program and workshop
23.	Printer cartridges and toners
24.	PCB fabrication and stencil work
25.	Assorted pneumatic/hydraulic components for sorting
26.	IR Lamps of assorted wattage
27.	Electrical wires and cables
28.	Materials for reflective coating
29.	NIR Lenses of different focal lengths
30.	NIR optical filters
31.	NIR photodiodes
32.	Assorted electronic components
33.	Assorted mechanical tools and components
34.	NIR Range optical cables
35.	Interface Cards and boards

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36.	Slit, Mirrors, Lens, Doublet, Cuvette holder, etc
37.	PCB Fabrication
38.	Registration fee for the staff attending seminars, conferences, etc.
39.	PU connector
40.	Motor with controller
41.	Pulley
42.	Bearing
43.	Caster Wheel
44.	UHV pneumatic valve
45.	SMPS
46.	Fluke DMM fuse
47.	Rail mount Contractor
48.	Spray paint
49.	Acrylic sheet
50.	Teflon rod
51.	Teflon sheet
52.	SS Rod
53.	Gloves
54.	Tissue paper
55.	Single Axis robotics arm with motor and controller
56.	PLC
57.	HMI
58.	Rail mount Relay
59.	Connector
60.	ADC card
61.	Temperature card
62.	RTD
63.	Thermocouple
64.	PU Pipe 6,8,10,12 mm
65.	Thimble
66.	Molybdenum sheet
67.	316 Stainless steel Rod
68.	K-10 Tungsten Rod/ slab
69.	Tungsten Wire
70.	Tungsten Rhenium Wire
71.	Thoriated tungsten wire
72.	Tungsten-Re Heater
73.	Molybdenum wire
74.	Nickel Wire
75.	Nichrome Wire
76.	Ceramic isolator
77.	Metallize ceramic
78.	High-density graphite
79.	Molybdenum sleeve
80.	Tantalum sleeve

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81.	Molybdenum powder
82.	Ruthenium powder
83.	Alumina
84.	Barium Carbonate
85.	Calcium carbonate
86.	Aluminium oxide
87.	Nitric Acid
88.	Methanol
89.	Acetone
90.	Potassium ferrocyanide
91.	Sodium hydroxide
92.	Thyristor
93.	Vacuum gauge with controller
94.	Flow sensor
95.	Pressure Sensor
96.	Vacuum Bel jar
97.	Sputter Gun
98.	RF source, RF components, waveguide, coaxial line, SS sheet, Rod, Teflon sheet and rod, PLC controller, microcontroller, semiconductor devices, display, embedded board, passive components, wires, ICs, PCBs ( <i>multiple quantities</i> )
99.	1kW CW Magnetron with Power supply
100.	Gas separator
101.	Material like SS, teflon, quartz
102.	WR 340 waveguide
103.	Fabrication of 915MHz hydrogen applicator
104.	Gaseous components like pneumatic valve, filter, pp tube, connectors
105.	Electrical & electronics components for PLC-based controller
106.	Temperature sensor with controller
107.	Gas cylinder/refilling- CH <sub>4</sub> , CO <sub>2</sub>
108.	Materials like SS, quartz, Teflon, copper
109.	Wires, DC MCBs, Solder wire, cartridge, DC loads and other minor components
110.	PCBs, MOSFET, Microcontroller, Current sensor, Magnetic cores, Breakout boards, Diodes, Connectors
111.	SMD DC-DC converter, Gate driver, optimizer modules, CR2032 cells, LEDs, IP 65 boxes, displays, SMD resistors, carbon wire resistors, Electrolytic capacitors, DC fans, heat sinks, power inductors, other petty items
112.	Thermocouple, SD cards, cables, passive probes, minor consumables
113.	resistive loads, Heavy duty 48/72 V Lithium batteries
114.	PCBs, PCB mount hall sensors, SD card readers, RTCs, breakout boards, IoT devices
115.	Actuators, control modules, Modules for existing Matlab software for hardware and software in loop validation, other petty items
116.	pH, TDS, temperature, chlorophyll, turbidity sensors, voltage sensor, current sensor, etc.
117.	Internet of Things (IoT) enabled- devices, ultrasonic transducers, batteries, power cables, linear ICs, semiconductor devices, passive components

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118.	controllers, heat sinks, Actuators, GPS modules, IP68 boxes,
119.	Electronic components for charge amplifier-based readout design (opamp, Jfet, capacitor, resistor, microcontroller, li-ion battery)
120.	PCB fabrication ( <i>multiple revisions and quantities</i> )
121.	Thick-film paste/ reference sensor with readout unit
122.	Thick-film paste (Ag, Pd/Ag, Au, Au/Pt, Pt, etc.), resistor paste, reference sensor with readout unit, Electronic components (Operational amplifiers, ICs, JFETs, Capacitors, Resistors, Microcontrollers, Li-ion batteries), PCB fabrication, Kim Wipes, Beakers, UPS batteries, cartridges, computer accessories Screen Preparation Materials, Solder pastes, solder wire, Epoxies, Sealants, Adhesives, High-resolution photoplots and masks, PZT powder/paste, PZT plate/disc/ring, Spares/accessories of existing equipment, wifi & Bluetooth modules, LCDs, small solar panel, adapters, cables, connectors etc.
123.	Kim Wipes, Beakers, UPS batteries, Cartridge etc.
124.	Photoresists, IR filters, Semiconductor grade etchants for metals/dielectric, Organic and inorganic chemicals
125.	Pyroelectric materials/Targets Chemicals, Silicon, SOI and Glass Wafers, Silicon micromachining Chemicals, PCBs and accessories, IR windows
126.	IR Windows, Epoxy: Conducting, Nonconducting and potting compound,
127.	PCBs and accessories, Piezoelectric materials, Device packages, headers, Teflon and similar materials, Glassware, printer cartridge and Computer accessories.
128.	IR filters and small petty items as required for the project, Electronics components: PCBs, ICs, resistors, capacitors, and accessories
129.	Pyroelectric substrates/targets, chemicals, glass substrates, metallic wires/pellets, electronic components, PCBs and accessories, Electronics components: PCBs, ICs, resistors, capacitors, and accessories, Piezoelectric materials, Device packages, headers, Teflon and similar materials, Glassware, printer cartridge and Computer accessories etc.,
130.	THz Windows, THz source, THz detectors, IR filters, IR windows, Epoxy: Conducting, Nonconducting and potting compound
131.	Photoresists, developer, Semiconductor grade etchants for metals/dielectric, Organic and inorganic chemicals. chemicals, Silicon, SOI and Glass Wafers, Silicon micromachining Chemicals, PCBs and accessories
132.	LiTaO <sub>3</sub> wafers, Photoresist, developer, chemicals
133.	Silicon wafers
134.	IR detector array, LVF, IR Windows
135.	Epoxies
136.	Metal beads, Sputtering Target
137.	IR Source, Electronic Components, PCBs
138.	High purity gases
139.	ICs (DC buck convertor, amplifier, connectors, arduino, display, etc)
140.	Photoresists, etchants, plating soln etc
141.	Consumable requirements for common R&D Lab facilities in CleanRoom and Workshop (generic/ miscellaneous)
142.	Gold (Au pellets/shots)
143.	Ethanol
144.	Flexible PCB
145.	PCB for modules/ customised circuits

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146.	Microcontrollers
147.	Capacitor, Resistor, Inductor etc. ( <i>multiple components &amp; quantities</i> )
148.	LiPo battery
149.	Bluetooth module
150.	IO-PET
151.	Keyboard
152.	Mouse
153.	Printer cartridges
154.	PET sheet
155.	Al foil
156.	PFOTS
157.	Battery charging IC
158.	Battery protection IC
159.	Dual N-channel enhancement mode power MOSFET
160.	LED
161.	FDC
162.	Crystal Oscillator
163.	Flash IC
164.	USB connectors ( <i>1.1 type A etc.</i> )
165.	Switch (push button)
166.	DC power jack connector
167.	AC/DC power adapter with cable
168.	PEDOT:PSS
169.	PVDF-HFP
170.	EMIM TFSI
171.	Outsourcing for customised requirements (Fabrication of GaN HEMTs)
172.	Two Power Amplifier with 15 to 20 GHz and two W-Band, 75 to 110 GHz
173.	Optical sources, detectors, filters and windows, adulterants, oils
174.	Electronic components, enclosures, chemicals, mechanical parts, electrodes and multi-layer PCB fabrications
175.	Plants and seeds, chemicals and insecticides
176.	Pipe and fittings
177.	Electronic components, wires, PCB etc
178.	PLC and accessories
179.	Dose pump and other accessories
180.	Keypad 20x4, Microcontrollers ESP32, PTH LEDs, Servo DC motors, 555 timer, solder wires, resistors 1 KOhm, 4.7 K ohms, Adapters, Extension boards, jumper wires, PCB Boards, USB to serial Cables, BLE/WiFi boards, MCP6022, CD4050 ICs , Brad Boards, Zero PCBs, Folder, Notebook, Pens, LEDs, Wires, Sensors (Soil, temperature, humidity, acoustic etc) ( <i>multiple quantities</i> )
181.	
182.	PCB for Voltage and Current Sensing, Auxiliary Circuits, PFC Circuits
183.	Miscellaneous Mechanical Components, Induction Coil, air and liquid pumps
184.	Third party testing of Milk for Bacteria Count, NO3, NO2 content in water etc.
185.	Litz Wires, Ferrite Cores, Lugs,
186.	PCB for Resonant converters, Battery Charger circuits

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187.	Electronic Components MOSFETs, microcontrollers, isolated converters, opamps, drivers
188.	IGBT drivers, temperature Sensors, touch interface, isolated converters, opamps, drivers ( <i>multiple quantities</i> )
189.	PCB for Pulse Generation Circuits, PFC and Sensor Boards
190.	Touch Display, microcontrollers, power devices, isolated converters, opamps, drivers
191.	Office Stationery
192.	Electronic consumables
193.	Office Stationery
194.	Ultrasonic Sensor/ Transducer Fabrication
195.	Electronic Components, drivers, motors, Microcontrollers, OP-AMP, ESP32
196.	Aluminium Mirror Sheets, MS Sheets, Nylon Sheet, Acrylic Sheet, MDF Boards.
197.	Aluminium fin, Industrial-grade Copper Pipe and MS Pipe
198.	Wires, insulating material, connectors, Electronics Components, Digital temperature meter
199.	Synthetic Oil/ Normal Oil/coolant
200.	Vacuum Glass tube (~1m to 2m Length and ~15Cm Diameter)
201.	Leaded Solder Paste SN63PB37- Type 4
202.	IPA Liquid cleaning solution
203.	SMT Double Splicing Tape-8mm
204.	Nitrile Hand Gloves
205.	Servo Stabilizer
206.	Fire Cylinder Recalibration & Refilling
207.	House keeping Items
208.	Op-Amp, MOSFET, LNA
209.	RF Transceivers
210.	Voltage regulators, SMPS
211.	Sensors: Environment, GPS, accelerometer
212.	Microcontroller Units
213.	Display devices, keypad
214.	Cables & connectors
215.	Optical Components (Source & detectors)
216.	Calibration of Temperature Probes, Safety Analyser
217.	Calibration of Power Analyser, Oscilloscopes
218.	Calibration of Temperature Probes, Safety Analyser
219.	Calibration of Power Analyser, Oscilloscope
220.	Electronic Components, PCBs, Mechanical components
221.	Office stationery
222.	IGBT drivers, Sensors, touch interface, electronic component
223.	Validation of Consumable content in water etc.
224.	PCBs and other Electronic Components
225.	Electronics consumable.
226.	Electronic Components Mosfets, opamps , drivers, PCBs
227.	Quartz Material
228.	Electrical Components/Items
229.	Metals/Insulators/vacuum components
230.	Cartridges, some lab and office stationary

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231.	Gasline Components
232.	Metals and insulators – SS rod/OFHC copper, Teflon, Perspex rod, wires, SS sheet, Perspex sheet, ceramics
233.	Chemicals: organic solvent, chemicals, laboratory consumables, etc,
234.	Electrical and optical components, etc,
235.	Development boards, Kits, programmers, Integrated circuits, Discrete semiconductor products, Resistors, Inductors, Capacitors, coils, chokes, Potentiometers, Variable Resistors, Crystals, Oscillators, Resonators, Optoelectronics, Memory Cards, Modules, Communication devices (wired and wireless), Displays (OLED, LCD, TFT etc.)
236.	PCB development
237.	Tapes, Adhesives, Materials, 3D printer filaments, Computer/Laptop spare parts, Magnetics-Transformer, Inductor Components, Pumps, Battery products, Power Supplies (board mount, internal module, SMPS etc.),
238.	Fabrication of CMOS Data Converter IC
239.	Photoresists (SU8, S1818 etc.), Semiconductor Grade etchant for metals and dielectric, organic, inorganic and other chemicals and gases.
240.	Silicon, SOI and Glass Wafers, Silicon micromachining Chemicals.
241.	Piezoelectric materials, epoxy conducting and non-conducting, Photoresist Developer and small petty items as required for project, Device packages, headers, Teflon and similar materials, Glassware, printer cartridge and Computer accessories.
242.	Electronic components: ICS resistors capacitors and accessories.
243.	PVDF
244.	MPTMS
245.	ARDUINO development board
246.	Copper Wire
247.	Surgical Blades
248.	Micropipette
249.	Fabric Gloves
250.	Copper Tape
251.	Aluminium Tape
252.	Plastic Pipettes
253.	Hot Air Blower
254.	EMG sensor Parts and ECG electrode
255.	Neurosky mindwave kit
256.	ATMEGA328P SMD IC for ARDUINO Nano/UNO
257.	REES52 4Pcs NRF24L01+ Wireless Module with Voltage Regulating Breakout Adapter
258.	Gold Target
259.	Velcro straps
260.	Resistor, Capacitor
261.	ESP32 D4 SMD
262.	Zero PCB
263.	Digital Discovery Portable Logic Analyzer and Digital Pattern Generator
264.	Raspberry pi
265.	Robotic 3d printed hand
266.	Digital Vernier Calliper
267.	Teensy Development Board

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268.	UHF Reader Based on Pico W / ESP32
269.	UHF Reader
270.	PiCoder - Compact DIY Raspberry Pi Pico Learning Kit
271.	ESP32 3.5 inch Touch RGB Display
272.	SSD for Computer
273.	RAM 16/32 gb
274.	Sputter targets, FeGa, Al, FeCo
275.	Photoresist, Developer
276.	Gold Metal
277.	IR detectors, sources, gratings, filter, and other optical components
278.	TO headers
279.	Miscellaneous Electronic components (micro-controllers, displays, thermal printer modules etc.)
280.	PCB fabrication for various modules
281.	LN wafers
282.	Polyimide/ polymer sheets
283.	Thermal conducting and electrical insulating chemicals/ resins/ particles
284.	Packages
285.	Electronics Components
286.	Photoresist
287.	Silicon Substrate
288.	Glass Wafers
289.	Gold Pellets
290.	Electrical and Electronic components ( <i>as resistors, capacitors, ICs etc.</i> )
291.	PCB boards
292.	Evaluation boards
293.	Nano-VNA
294.	RF components cables and connectors
295.	Aluminium Sheet, Teflon sheet and rod, Sample material (grains), 3D printing filament,
296.	Temperature sensors, capacitive moisture meters, Heat sinks
297.	Electronic and electrical items (PLC CONTROLLER FBS 2410 Tr.PNP ETH + 6RTD, Temperature sensor module 6TC, RTD Sensor, GXU HMI Panel for PLC, 7.5"W TFT, SL + ETH, PLC TO PC Communication Cable, HMI TO PC Communication Cable, 2C/O Relay 24vdc with base, Power Supply for PLC, Panel Box 500*500*210mm, Emergency PB, Push Button, Indicator Light, Selector Switch, WIRING CHANNEL 45*60, MCB CHANNEL, Terminal strip for fork thimble (4 mm and 6 mm), TERMINAL Block 2.5mm, Pin type copper thimble, Fork thimble 4 mm, 6 mm, Fuse TERMINAL for 5A, 8A, 10A, 15A, Fuse 5A, 8A, 10A, 15A, Ethernet Module, 1 Port Rs232 + 1 Port, Contactor- single phase/20A, Contactor- 3 phase/30A, 4" 230 Volt panel mount axial fan, HARDWARE, Panel Sticker, thimble, spiral, MCBs, Network switches)
298.	Thermocouple, thermocouple readout display, Motor, Gearbox, Motor control and power supply, Pully, Belt, valves,
299.	Gas flow meter, steel angle valve, non-return valve, pressure gauge, high duty wheels, push connectors, PU gas pipes, pneumatic cylinders, electro-pneumatic valve, electromagnetic valve, diaphragm compressor, PPM Analyzer (for H <sub>2</sub> , CH <sub>4</sub> & N <sub>2</sub> ), H <sub>2</sub> storage tank, H <sub>2</sub> sensor, Gases (CH <sub>4</sub> , Bio CH <sub>4</sub> , NH <sub>3</sub> , H <sub>2</sub> ), Carbon separator filter, SS gas line and fittings, small compressor, water pump

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300.	RF Power meter with USB cable
301.	Metal sheets, rods, profile channels of different dimensions (SS, Aluminium, etc.) of customized sizes, glassware for distillation and glass utensils, sample holders and accessories, tetler bags for gas samples, Non-metallic sheets & rods of different dimensions (PTFE, Nylon etc.), ceramic/quartz glass components, RF Choke, screws, nut-bolts, cutter blades, Electrical & electronics items such as transformer, magnetron heads, transistors, inductors, coaxial cable, power substrates, evaluation boards, capacitor, transitions, diode, switches, Fuses, wire, matched load etc., Frequency measurement boards, display devices, RF leakage detector, PLC controller, display devices, chemicals, SMPS & associated devices (customized), arduino and raspberry pi boards, RF components
302.	Laminates, material for antenna fabrications, high-frequency absorbers, Standard gain horn antenna etc
303.	Sputter targets, FeGA, Al, FeCo, BST
304.	High-frequency RF probes, Helmholtz Coil
305.	Mu metal, copper fleece, Lock-in-amp., Charge amp.
306.	Photoresists, developers, lab chemicals, removers etc.
307.	Computer accessories and printer cartridges ( <i>multiple types based on compatibility</i> )
308.	Pyroelectric substrates/targets, chemicals, glass substrates, metallic wires/pellets, electronic components, PCBs and accessories, Electronics components: PCBs, ICs, resistors, capacitors, and accessories, Piezoelectric materials, Device packages, headers, Teflon and similar materials, Glassware, printer cartridge and Computer accessories etc.,
309.	THz Windows, THz source, THz detectors, IR filters, IR windows, Epoxy: Conducting, Nonconducting and potting compound
310.	Silicon, SOI and Glass Wafers, Silicon micromachining Chemicals, PCBs and accessories, Photoresists, developer, Semiconductor grade etchants for metals/dielectric, Organic and inorganic chemicals.
311.	OFHC copper rod and sheet, Brass rod and sheet, micro-fabrication tools, high frequency cables, adapters, computer accessories, fabrication of components, SBC boards, gold and silver pellets, upgradation of software, brazing alloys required for development, and characterization
312.	Power Amplifier with 15 to 20 GHz and two W-Band, 75 to 110 GHz
313.	ICs and development board (DC buck converter, amplifier, connectors, arduino, display, etc)
314.	Photoresists, Si Wafer, etchants, plating solution etc.
315.	PCBs, desiccators, etc
316.	Vacuum pump, devices and other Miscellaneous Items
317.	Shielding Box for CV and RF measurements
318.	DC and RF probes, cable, adapters, calibration substrate etc
319.	Detectors Electron multiplier
320.	Electroplating Set-up
321.	Mixer, bandpass filter and other FE components
322.	Gold Electroplating Solution
323.	RF packages
324.	Impedance analyzer accessories
325.	Al foil paper, Glove, Filter paper, SS material and accessories and other items like Printer cartridges
326.	Wafers, Photoresists, Developers, Metal electrolytes and etchants, Local oscillator

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327.	Raw materials for parts fabrication, brazing alloy, cathode, ceramics, window ceramics. RF components for cold test in the W-band frequency range for limited RF performance testing.
328.	Laminates, material for antenna fabrications, high frequency absorbers, Standard gain horn antenna etc.
329.	Lock-in amplifier boards
330.	Motor controllers ( <i>varying requirements</i> )
331.	VCSEL laser and drivers
332.	Other PCB fabrication components & Accessories
333.	Metal electrolytes and etchants, Local oscillator, Wafers, Photoresists, Developers
334.	Internet of Things (IoT) enabled- Devices, sensors also include all cell, battery, power cables, and other minor components needed for data collection and portable data loggers, Data handling software and tools and other minor components needed for data collection, Modules for existing COMSOL and Matlab software for hardware and software in loop validation, also semiconductor devices, cables, controllers, passive devices, Actuators, control modules, communication & web publishing modules.
335.	EEG Device Consumables used for Data Collection, Sensor Connectors, Embedded Platforms, other required Software Modules and hardware components/accessories.
336.	Electronic boards and consumables, consumables for computers and software modules.
337.	Components and Connectors for vision sensors with drone, connectors for embedded platforms, memory card for on-board storage, cables, other required Software Modules and hardware components/accessories.
338.	AMC for Five DGX Servers, NetAPP SSD for Servers, AMC for UPS, Storage expansion system (Expansion kit, HDDs, GPUs), Spare Parts of DGX Servers, Monitoring and Cluster Management software (For Automated Scheduling and Analytics of Users), other required Software Modules and hardware components/accessories.
339.	NVIDIA Compute Modules(SOM, Carrier Boards)
340.	Repair parts (motor, ECS, Frame parts, propellers)
341.	Battery: 6S 10000mAH
342.	Allen-key driver and other lab maintenance kits
343.	1D Lidar
344.	AirLink LTE Telemetry, LTE Link SE
345.	RTK Modules, RTK Base
346.	Computer Accessories, Printer Cartridge
347.	Raw materials for parts fabrication, brazing alloy, cathode, ceramics, window ceramics. RF components for cold test in the W-band frequency range for limited RF performance testing, GPU cards for parallel processing
348.	Methane gas
349.	Sensors
350.	Winding of copper coil
351.	Transport charges
352.	Aluminium target
353.	Refilling of nitrogen gas
354.	Alloy, gas line components
355.	Characterization solutions
356.	Colorimeter, empty cell
357.	Base fitting arrangements
358.	Fabrication Al jacket

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359.	Battery bank
360.	Service charges of 160 kva 80 kva UPS
361.	Power supply upgrade and components
362.	Hydrogen Purifier ( Spare of MOCVD)
363.	Sodium 3 etc
364.	Spare parts of VSM system
365.	Transportation of chemical benches
366.	Photoresist, Developer
367.	Battery
368.	Liquid Nitrogen
369.	Liquid nitrogen tank
370.	Transport service one trip
371.	Renewable of adobe creative sw, figma, canva and other utility softwares
372.	Lab Chemicals
373.	Nitrogen gas (Refiling)
374.	ABS Material battery
375.	Nobel Metals (Pt, Au, Si, Ti, Ag, Pd, W)
376.	RF Front End Design Service
377.	Al sheet, pump etc.
378.	12V battery
379.	GS Dielectric etc
380.	4594.63-H72 PS2X4C2-AU S1.5(sensors)
381.	Filters
382.	Citric acid monohydrate
383.	MS Sq pipe, angle etc
384.	Repairing mother board
385.	PLA Black etc
386.	Infrared emitter HIS 2000 RO etc
387.	Part number 588237, S86744
388.	CF Card
389.	9v battery etc
390.	Sputtering Target Gold 3" and 4"
391.	Sputtering Target Platinum 3" and 4"
392.	Cables 5 Core 4sqmm, 6sqmm,10sqmm
393.	Trade test material for mechanical
394.	Trade test material for Civil
395.	Trade test Material for Electrical
396.	Chemicals
397.	Chemical waste disposal
398.	Electronics components ICs, Board
399.	Laser Dicing Consumables
400.	Glass ware and cleanroom Aprons etc.
401.	Internet lease line
402.	AMC software
403.	LAN cable, IO Port, tools, UPS batteries

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404.	Wire bonding tools and wires
405.	Adobe creative cloud renewal
406.	Plagiarism detection software renewal
407.	Grammarly Software
408.	ARVR Animation making SW and Tools
409.	DIY Kits (Ardublock, Lego and other boards)
410.	Circuit Making Ink Pen
411.	Science Educational Kits (Science Experiments, Customised IoT, Drone Educational Kit etc.)
412.	Design Tools (Figma, Canva, Adobe)
413.	Brain signal motifs
414.	Screen Recorder
415.	AV Accessories (Speakers, Mic, Camera etc - set)
416.	SMPS (varying performance)
417.	LCD Panels for PCB
418.	SSDs/ HardDisks
419.	Motors
420.	Boards & sensor modules for experiments
421.	RAM Sticks
422.	PCB (consumables: Resistors, Capacitors, LEDs, Solder Paste etc.)
423.	Plex Sheet
424.	Consumable for 3D printer
425.	Misc. items (like Batteries, Multimeters, USB drives, Google/Microsoft Storage space, USB adapters, File organizers, Computer Multimedia items like webcams, etc)
426.	Stack AR Model Service, Animation Service
427.	LED Light lamps/ panels
428.	Lego or stacking elements for school projects
429.	NMR grade Chemicals, solvents
430.	Solder paste, nozzles, feeders etc.
431.	Optical Filter
432.	Optical Source and detector (MIR, NIR, Visible)
433.	Automation boards
434.	ICs, Microcontroller, Display boards
435.	Wire bonding tools and wire spools
436.	Design fabrication and evaluation of customized ASICs
437.	Spare parts of sputtering machine
438.	Spare part of Vacuum Packaging Tools and Package
439.	Spare MFC, Gauges, Controller etc.
440.	SS Tubes, Valves, Connectors
441.	PP Tubes, Flexible connectors, Cylinder Valves
442.	PLC controllers, PCB connectors
443.	PCB fabrication, glue, SMD components etc.
444.	IC Packages, Cap etc.
445.	Fabrication of MEMS Based Devices and other Semiconductor devices as per the requirements ( <i>Multiple Devices and units</i> )

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446.	LVF 5.5um-11um, 128L TMI SP0.5 Chip, Thermal IR emitter, IR Emitter Bar EBS.5.100.0
447.	128 pixel pyroelectric line arrays.
448.	Mid-Infrared pulsable emitter.
449.	Optical Window (ZnS)
450.	Fabrication of Gyroscope
451.	LVF, Sensor Array, LiTaO3 and PZT wafers, Chips, Die

Above mentioned items approved till 15-May-2024.