

CSIR - Central Electronics Engineering Research Institute (CSIR-CEERI), Pilani

Procurement Plan for the Year 2026-27 onwards

EQUIPMENT

Date: 23.02.2026

S. No.	Name of Item(s)
1	Mini-LED Flip Chip Tester
2	Semi-Automatic Expander
3	Vacuum Wafer Mounter
4	Keysight ADS License, 1. Modulation Explorer for ADS, Part (W4543E), License: Floating License. 2. PathWave DPD Explorer in ADS, Part (W4540E), License: Floating License
5	Soldering station
6	Soldering hot air station
7	Clamp meter
8	Power supply (30V)
9	DSO
10	DC-DC converter 5kW
11	FTIR
12	Computer/ workstations
13	Monochromator
14	Deep UV light source
15	Optical power and energy meter
16	photodiode sensor for calibration
17	MOCVD
18	Laser dicing stealth
19	Scrubber
20	LED Binning
21	Ion beam sputtering
22	Xenon Lamp source with accessories
23	Optical Chopper
24	Laser Driven Light Source
25	Double Monochromator
26	Lock-in-amplifier
27	UVC lenses with mounts
28	Photodetector characterization setup

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29	High Performance Computing Platforms: workstations, computing, displays, monitors, mobile computing platforms (laptop, tab, ipad etc) and printing facility etc. as below: 1. Online UPS 2. Workstation with intel xenon processor 256GB 3. LED display 4. Computer laser printer
30	1. 1024 GB storage laptop – notebook 2. iPad / Tab
31	Computing platforms for labwork – as below: 1. Workstation with intel core processor 16/8GB 2. Color Inkjet Computer Printer
32	LCR meter – Auto and Manual digital LCD Display LCR Meter
33	Bench top Power supply DC regulated
34	Digital Multimeter Kit
35	Regenerative Battery Pack Test System – as below: 1. 4 Channel desktop or rack mount battery test system
36	Bidirectional DC Power Supply
37	Solidworks CAD, electrical design and Proteus PCB Simulation development software as below: 1. Solidworks CAD
38	Solidworks CAD, electrical design and Proteus PCB Simulation development software as below: 1. PCB simulation development software ; proteus
39	LiDARs and stereo vision sensor systems as below: 1. Velodyne Lidar Sensor 2. ZED camera 3. ZED Box
40	Behaviour captures systems such as EEG Brain Monitoring and Simulation and electroencephalography (EEG)systems, GRBV Eye tracking system Cameras and microphones as below: 1. Pupil core eye Tracking Headset
41	Mobile Robotics kits and controllers for hardware-in-loop testing – ROS Robotic platforms, Autonomous Mobile Robot Platform, /Matlab / LabVIEW Robotics Starter Kit (Robotics Module) as below: 1. TurtleBot4 Mobile Robot lite version 2. TurtleBot4 Mobile Robot standard version 3. TurtleBot3 Burger PI RPi4
42	1. TurtleBot3 Waffle PI RPi4 2. Open Manipulator – X 3. Autonomous mobile robot

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43	Power wheelchairs as below: 1. Easy move electric power wheelchair 2. Automate wheelchair lightweight
44	Smart canes
45	Matlab, simulink and tools and accessories; as below: Matlab, simulink and supporting toolboxes
46	Signal analyzers and oscilloscopes as below: 1. Digital Storage Oscilloscope 2. Mixed signal digital Storage Oscilloscope
47	Work spaces for the test setups, Computation and Simulations work Benches as below: 1. Work surface for the test setup 2. Work surface for the computing and simulation with chairs
48	Smart power wheelchair test tracks (including ramps and obstacles) system
49	PCB prototyping tools such as soldering desoldering workstations, drilling and cutting and assembly systems
50	Storage Almirahs and fixtures as below: 1. Shelving unit – ASU 32 2. Shelving unit – ASU 33 3. Shelving unit – ASU 34 4. Shelving unit – ASU 35
51	Data acquisition systems, software Tools, embedded and IoT development systems, their power supplies and battery accessories, displays, mobile computing platforms etc., as below: 1. Labview UI software 2. USB multifunction I/O 3. Mobile computing platform 4. Micro C Pro with hardware 5. Keil software
52	3D printers for rapid prototyping (FDM, SLA, and SLS types)
53	Ergonomics testing and behaviour analysis devices
54	Metabolic Cost Analyzer / Monitor, Behaviour captures systems with accessories
55	Handheld digital multimeter
56	Battery testing system – capacity analysis
57	Essential tools and accessories as below: 1. Electronic tool kit 2. TRMS multimeter and wireless clamp meter
58	3 phase AC electronic load
59	Workstations
60	FPGA board(s)
61	SAKURA-X Board

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64	High Voltage and High Frequency Pulse Power Supply
65	VUV/UV-Vis Spectrometer/monochromator (Upgradation)
66	High-end computers/workstations
67	Gas Regulators / Controllers
68	High resolution Spectrometer/Monochromator (UV-VIS-NIR)
69	ICCD CAMERA
70	Design and plasma simulation softwares (Comsol, Matlab, Autodesk/solidwork, Microsoft visio, adobe license, biorender, etc.)
71	Solid state RF power supply
72	Miscellaneous Equipments (Gas Regulators, power supplies, mobile compressor, CTs, pressure gauges, SMPS, variac, multimeters, soldering stations, etc.)
73	DSO
74	DC-DC converter 5kW
75	Vacuum Oven
76	Air furnace
77	De-Coppering Furnace
78	High resolution optical microscope
79	Sputter coating system
80	UHV pump, Ion pump backed with dry scroll pump
81	DC and Pulse Power supply
82	Pyrometer
83	Hot Plate and Ultrasonic cleaning water bath etc.
84	Vacuum dessicator
85	Ball milling machine
86	Die-Sinking Machine
87	Digital Multimeter, clamp meter, vernier, and Oscilloscope
88	Air compressor
89	Weighing Balance
90	Hydrogen Furnace with UPS and chiller
91	Hot Air Gun and hot Air blower
92	Spark Plasma Sintering Machine
93	TWT Power Supply
94	Audio Video Apparatus & Instruments
95	High Computing Workstations, Desktop Workstations, Computers, Laptops, etc.
96	Firewalls, Network Switch, Routers
97	Screens, Terminals
98	Surveillance Cameras & Setup

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Please note:

- The procurement plan is not an intimation of procurement by CSIR-CEERI.
- This procurement plan does not impose any obligation on the Director, CSIR-CEERI, for the necessary procurement of these items.
- The procurement is subject to the availability of funds and R&D priority during the current financial year or in the coming years.
- The procurement plan is listed as of **23rd February 2026** and shall be updated upon the commencement of new projects, programmes, research directions, or other emergent requirements, subject to the availability of funds in the respective financial years or thereafter.