

CSIR-Central Scientific Instruments Organisation

PROCUREMENT PLAN 2024-25

FOR THE FINANCIAL YEAR 2024-25			
A(a)	EQUIPMENT		
(i)	Equipment Out of CSIR Infra Grant (P50)		
Sr. No.	Equipment	Quantity (Nos)	Approximate Cost (Rs in Lakhs)
1	Glove Box	1	15.00
2	Hydraulic Press	1	7.00
3	Active Vibration isolation platform with acoustic enclosure for Scanning Probe Microscopy	1	9.00
4	Oil free air compressor with dryer and filter set	1	5.50
5	IR thermal Imaging Camera	1	2.50
6	Rack Servers	2	22.00
7	Projector for Audi	1	2.00
8	UV Light gun station	1	4.00
9	Bipolar Programable DC Power Supply ($\pm 40V/\pm 10A$)	1	6.00
10	Microcontroller Development Board with input output devices	1	1.50
11	3 or 5 axis Robotic arm	1	5.00
12	Conference camera with microphone & speaker	1	2.70
13	Micro centrifuge 15000 rpm	1	0.70
14	3 KVA UPS without battery	1	1.80
15	Hot plate with Magnetic Stirrer for large substrate (8inch)	1	2.00
16	Network-attached storage (NAS)	1	6.00
17	Speaker and mikes for Auditorium		2.00
18	UV Light handheld curing system	1	2.00
19	Variable-switching DC Power Supply (0-36V, $\geq 6A$)	1	1.20
20	Magnetic stirrer	1	0.50
21	Flamability Tester	1	3.00
22	Hot air convection oven for large substrate	1	3.70
23	Food 3D Printer	1	7.00
24	Nitrogen gas cylinders with pressure regulators	5	1.50
25	Network Switches	4	2.00
26	Control techniques testing platforms	1	10.00

27	Spatial Light Modulator-balance payment	1	1.00
28	Soldering station	1	0.10
29	Hardness Tester	1	5.00
30	E V Trainer - controller, VFD B.M.S., Charger Battery of different Capacity, application Software	1	4.50
31	Computers and Printers	22 & 8	20.00

(ii) Equipment Out of CSIR Funded Projects				
Sr. No. (1)	Equipment and accessories (2)	Quantity (Nos) * (3)	Project Number /Code (4)	Approximate Cost (Rs in Lakhs) (5)
1	PNA network analyzer and its accessories, ADS Software, Workstations, Vibration free table, THz/spectroscopic imaging system, THz source/ detector/Software, Workstation, PC/Laptop, Display, Optical/Electronics components/cards/ Power backups etc.		MMP 015201	380.40
2	Diaphragm pumps (Dry Vacuum Pump), Hot air convection oven, Hot Plates with Magnetic Stirrer, Oil free air compressor with dryer and filter set, 46.7 Litre Gas cylinders and pressure regulators, HEPA filter based cleaner for class 1000 cleanroom, Cleanroom compatible work bench and storage units, Hot Airblowers		MLP2027	275.00
3	Optical Vibration isolation tables, Display characterization system such as Theodolite/ Photometer/Spectroradiometer/ Luxmeter etc., Softwares for simulation and characterization of optical systems, Hologram development/ UV exposure system		FTT 010506	32.00
4	Surface Plate with stand, Digital Micrometer, Bore Dial Gauge, Plug Gauges: Different Sizes, Dial Indicator, Digital Height Gauge, Smart Display Screen, Laptops, Sever, Photocopier Colored, Computer Accessories, Computer Software, CCTV & Accessories (LAN & CCTV) Installation, Automation Studio for Circuit Building & Simulation, 3-D Printer for prototyping metal/ soft metal/ABS, Laser Engraving/Cutting Machine,		NWP 100	25.00

	Water-Jet Cutting Machine, CNC Bending Machine, CNC MILLTURN Center, Electroplating Plant, Horizontal Injection Molding, Different Machine Vices & Accessories, Die Grinder kit with Accessories etc.			
5	Compression Moulding Machine, Heating Furnace, Industrial Stirrer and Magnetic Stirrer, Software (HFSS and CST) and work station		FTT 010507	25.00
6	Reference soil calibration equipment is required for the elemental analysis of soil. Besides minor equipment like titration unit, shakers, Portable NIR/MIR/SERS spectrometers, power supplies, test and measurement equipments, cameras are required for analysis/ characterization/testing. Workstations/Data Servers, Laptops and software for data analysis, cloud space is also required.		HCP0057	19.50
7	GPU Enabled server		HCP 0042	12.80
8	High Resolution Imaging Camera, MATLAB Software, Opto-mechanical Design Software, Workstation & Computers		HCP 0036	10.00
9	Laser Source, Camera/interferometric objective		NCP 040306	5.00
10	Laptop, GPU, High end PCs, Power Supply, Clamp on mete etc.		FTT 060504	5.00
11	Wearable sensor insoles for pressure mapping, a thermo scanner, and a display for data visualization/UPS		FBR 010304	3.80

* As mentioned in column (2)

(iii) Equipment Out of Externally Funded Projects				
S. No.	Name of the Equipments	Project Number /Code	Approximate Cost (Rs in Lakhs)	Quantity (Nos)
1	Workstation	GAP 0434	10.00	4
2	PC	New Project	4.00	2
3	Laptop	SSP 0052	4.00	2
4	Workshop machine	SSP 0054	16.00	2
5	Vibration Machine	GAP 0440	15.00	1
6	Thermal Chamber	GAP 0440	15.00	1
7	Digital display device(DMD)	GAP 0440	5.00	1
8	CRT	New Project	48.00	4
9	HVPS	New Project	15.00	1
10	Focal Length Measurement System	SSP 0059	40.00	1
11	Interferometer	SSP 0060	145.00	1
12	Spectrophotometer	SSP 0060	3.00	1
13	FT IR Spectrophotometer	SSP 0059	20.00	1
14	Thin Film Stress Measurement Set-up	SSP 0059	30.00	1
15	Conductivity Measurement Set-up	SSP 0060	10.00	1
16	Instrument Table and Work-Bench with Chairs	SSP 0059	10.00	1
17	Compressor, chiller, centrifuge, stirrer,	SSP 0059	5.00	1
18	Vacuum Coating System	SSP 0059	100.00	1
19	Optical, Mechanical Design and Analysis Software	SSP 0060	25.00	1
20	Electro-Optical Test & Measurement Set-up	SSP 0059	8.00	1
21	UPS, Computer, Workstation and IT accessories	SSP 0059	20.00	1
22	Handheld Echocardiography device	GAP 0487	8.00	1
23	Computing system, Workstation	GAP 0487	4.00	2
25	Confocal Probe Sensor (for DST CRG project)	GAP 0496	11.00	1
26	UV Curing Lamp(for DST CRG project)	GAP 0496	1.00	2
27	Precise mounts and motorized stage(for DST CRG project)	GAP 0496	5.00	4

28	Electric heaters(for DST CRG project)	GAP 0496	0.55	2
29	Precise Dial Indicators(for DST CRG project)	GAP 0496	0.60	2
30	White light source (For Dr. Sanjit, DST project)	GAP 0488	0.60	1
31	Laptop (For Dr. Sanjit DST project)	GAP 0488	0.90	1

CSIR-Central Scientific Instruments Organisation

ADDENDUM TO THE PROCUREMENT PLAN 2024-25

(i) Equipment Out of CSIR Infra Grant (P50)		
Sr. No. (1)	Equipment and accessories (2)	Approximate Cost (Rs in Lakhs) (3)
1	Modular UPS	40

(i) Equipment Out of CSIR Funded Projects		
Sr. No. (1)	Equipment and accessories (2)	Project Number /Code (3)
1	Translational Stage for Interference Lithography	MLP2027

CSIR-Central Scientific Instruments Organisation

ADDENDUM TO THE PROCUREMENT PLAN 2024-25

(i) Equipment Out of CSIR Infra Grant (P50)		
Sr. No. (1)	Equipment and accessories (2)	Approximate Cost (Rs in Lakhs) (3)
1	Modular UPS	40
2	Time to Digital Converter	5
3	Avalanche Photodiode	5
4	CO ₂ Laser Marking/Polishing System	8
5	Picosecond Laser	12

(i) Equipment Out of CSIR Funded Projects		
Sr. No. (1)	Equipment and accessories (2)	Project Number /Code (3)
1	Translational Stage for Interference Lithography	MLP2027