

**CSIR-NATIONAL PHYSICAL LABORATORY
PROCUREMENT PLAN**

*(*Please read the note given at the end)*

A	FOR THE FINANCIAL YEAR 2025-26
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A (a)	EQUIPMENT
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(i)	Equipment: Out of CSIR Infra Grant
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Sr. No.	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1	Surface roughness measurement Instrument	1	10.00
2	Oil less Sound Proof Air Compressor with Accessories	1	5.00
3	Mass Flow meter for Low Liquid Flow system	2	10.00
4	AC/DC standard Resistor - 10 ohm	1	7.00
5	1 micro H Inductor	1	8.00
6	AC Kilo Voltmeter Up to 100 kV with AC Frequency Range Upto 1 kHz	1	5.00
7	DC power supply for magnetron sputtering Unit with following specifications: Output voltage: up to 1200 V (from 50 V); Output current: up to 1200 mA (from 1 mA); Output Power: up to 600 W (from 1 W); Switch mode: 3 outputs for magnetrons	1	5.70
8	Water Chiller, Capacity : 30 Ton	1	25.00
9	Portable helium leak detector	1	6.00
10	A system with constant flow and multichannel particle collection holders (customised)	1	10.00
11	One set of Pyranometer, UV Radiometer	1	12.82
12	Workstation with, Linux OS	1	5.00
13	fabrication of Cylinder Lifting & Movement System	2	6.43
14	Precise DC Magnetron Power Supply of 600 W Capacity	1	5.75
15	Gas Chromatograph with Helium Ionization Detector	1	50.00
16	Radon Gas Sniffer/ Logger/ Dosimeter	1	12.00
17	Work station with Crystal XE Upgrade	1	10.20
18	Dry Scroll Vacuum Pump	1	11.50
19	Infrasonic Sensor with Accessories and data Analysis	1	45.00
20	Seebach Instrument	1	10.00
21	Hydrogen Generator	1	8.00
22	Mass Flow Controller	3	5.00
23	Centrifuge	1	5.00
24	Micro Aethlometer	1	7.00

25	Waveform Generator	1	6.00
26	RF Millivoltmeter and Probe Kits along with required accessories	1	13.00

(ii)	Equipment Less than 5 Lakhs
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Sr. No	Out of CSIR Infra Grant	Out of CSIR Funded Projects	Out of Externally Funded Project (EFP)	Total (Rs. In Lakhs)
	133.49		3.00	136.49

(iii)	Equipment: Out of CSIR Funded Projects
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Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
1	Hygrometer	1	FTT 070507	5.00
2	Dual Frequency Comb Based THz Comb	1	MMP 015201	1014.00

(iv)	Equipment: Out of Externally Funded Projects (EFP)
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Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
1	Aerosol Particle Spectrometer (APS) with Counter	1	GAP 181132	160.00
2	Electrical Low Pressure Impactor Sampler	1	GAP 181132	30.00
3	Gas Leak Detection system/ sensor	2	GAP 181132	10.00
4	Gas Management System	1	GAP 181132	27.00
5	Furniture (computer table, Chair, Working table)		GAP 181132	50.00
6	AC (2 ton)	4	GAP 181132	6.00
7	Replacement of Outdoor unit centralised Lab AC system	1	GAP 181132	20.00
8	Laser interferometer (Including all below items)	5	TSP 231232	310.00
9	Mechanical Bed*	6	TSP 231232	110.00
10	Microscopic High Resolution Camera and related accessories	5	TSP 231232	5.00
11	Laptop / Desktop / laser printer with Dual Monitor	5	TSP 231232	5.00

A (b)	CONSUMABLES
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Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)			
		Out of CSIR Infra Grant	Out of CSIR Funded Projects	Out of Externally Funded Project (EFP)	Total (Rs. In Lakhs)
1	Glassware	1.00		0.30	1.30
2	Miscellaneous	62.49	12.83	11.65	86.97
3	Research & Development Accessories (R & D Consumable)	110.40	30.00	24.45	164.85
4	Electrical & Electronic Items	15.72	2.64	1.30	19.66
5	Computer Accessories	4.24	0.28	0.25	4.77
6	Cartridge	9.54		0.30	9.84
7	Software	10.15			10.15
8	Stationary	0.10	1.00	1.00	2.10
9	Chemical (Gases)	46.00		100.00	146.00
10	Chemical (Solid)	34.65		1.30	35.95
11	Batteries	1.01			1.01
12	Job Work (Repair)	87.63			87.63
13	Annual Maintenance Contract (AMC)	26.57			26.57
14	Furniture				

B	FOR NEXT 2-4 FINANCIAL YEARS (2025-29) (From 01/04/2025 to 31/03/2029)
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B (a)	EQUIPMENT
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Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1	Liquid Nitrogen Pump Controller with accessories etc	1	5.00
2	Turbo Molecular Pump	1	7.00
3	Portable VOCs Monitor	1	7.00
4	Battery operated high volume air sampling pump along with PM2.5 impactor and Personal Cascade Impactor	1	10.00
5	FLIR Camera	1	10.00
6	GNSS receiver with Ionosphere Scintillation Monitor	1	12.00
7	Ozone Transfer Standard (Ozone transfer standard for the calibration of ozone analyzers)	1	15.00
8	Riometer	1	20.00
9	Ceilometer	1	50.00
10	All sky (Airglow) Imager	1	80.00
11	Ionosphere - All Sky Imager	1	100.00
12	SKiYMET (all Sky interferometric METeor) radar	1	100.00

13	GC Mass Spectrometer with gas inlets	1	100.00
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B (b)	CONSUMABLES
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Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (by equipment name)	
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	
3	Other Consumables (ex- Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, etc.)	
4	Glass wares (ex- name the different glass wares)	
5	Plastic wares (ex- Name the different plastic wares)	
6	Toner Cartridges.	
7	Batteries, etc.	
8	Gases (ex- tentative names)	
9	Maintenance/AMC/repairing of existing equipment	
10	Stationery items (ex- name a few)	
11	IT / software-related Items (Name the items required during year)	
12	Furniture (Name the items required during year)	
13	Electric Items (Name the items required during year)	

Note:

- The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of the Competent Authority.
- The procurement of the chemicals & consumables would be based on the need and ongoing requirement of R&D activities of Lab/Instt.
- The procurement is subject to the fund's availability/release of sufficient grant from CSIR / funding agency.
- The indicated procurement value is an estimate only.