Updated on 14 August 2026

CSIR-NATIONAL PHYSICAL LABORATORY
PROCUREMENT PLAN

(*Please read the note given at the end)

A	FOR THE FINANCIAL YEAR 2026-27

A (a)	EQUIPMENT

(i)	**Equipment**: Out of CSIR Infra Grant

Sr. No.	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1	Water circulator/Water chiller	1	5.00
2	Oxy Hydrogen Single Torch Welding System	1	5.00
3	Heavy duty anti vibration table	1	5.00
4	Dehumidifier	5	5.00
5	4 inch (DN100) Mass Flow Meter	1	13.00
6	Fourier Transform Infrared (FTIR) Spectrometer for the division	1	18.00
7	Gas dilution system	1	18.00
8	Terbo pump	1	9.00
9	UV-Vis Optical Spectrophotometer	1	6.50
10	Assembly for CO2 adsorption for Quantachrome system	1	7.00
11	Magnetic Power Supply	1	5.50
12	Fume Hood	1	10.00
13	Electro Chemical Analyser	1	20.00
14	Network Attached Storage (NAS)	1	6.00
15	CCS-4S Computer Controlled Switch	1	7.00
16	AC/DC standard Resistor standard-10 ohm	1	10.00
17	DC Resistance standard - 1 M ohm	1	7.00
18	Partial Discharge Calibrator	1	13.00
19	Computer Server	1	5.00
20	handheld oscilloscope	1	6.00
21	Laser sources with different wavelength	2	5.00
22	Upgradation of Liquid Nitogen Plant	One Unit	40.00
23	Calibration of artefacts from PTB Germany	9	40.00
24	NGFW(Next generation firewall)	1	45.00
25	CNC Hydraulic Press Brake	1	40.00
26	CNC Laser Cutting / Engraving Machine	1	35.00
27	Laser Welding and Cleaning Machine	1	5.00
28	Water Jet Cutting Machine	1	23.00
29	Photocurrent Mapping System	1	258.00
30	Uninterruptible Power Supply (UPS) UPS3010SP (Spare parts for CEP-25HS-50)	1 set	6.50
31	OPM based Total-Field Magnetometer	1	20.00
32	Magnetic Shield with digital Degaussing Unit and Accessories	1 set	35.00

(ii)	Equipment Less than 5 Lakhs

Sr. No	Out of CSIR Infra Grant	Out of CSIR Funded Projects	Out of Externally Funded Project (EFP)	Total (Rs. In Lakhs)
1	97.98	139.54	9.98	**247.50**

(iii)	**Equipment**: Out of CSIR Funded Projects

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
1	Force comparator with coil	1	HCP 55	240.00
2	Permanent Magnet system	1	HCP 55	270.00
3	Optics, Laser (primary realization option) + Laser Interferometer measurement system	4 sets	HCP 55	200.00
4	Vacuum system, Translation Stages, Mechanics	1	HCP 55	90.00
5	Sensors and control electronics	1 Set	HCP 55	30.00
6	Precision voltmeters	4	HCP 55	40.00
7	Programmable current sources	4	HCP 55	30.00
8	Relative Gravimeter/ Relative Gravity Meter/ Gravity Meter/ Gravity System	1	HCP 55	155.00
9	15 t crane and other accessories.		HCP 55	30.00
10	High precision resistors with air bath	1	HCP 55	25.00
11	Work station (one)	2	HCP 55	14.00
12	Low noise current source	1	HCP 55	6.00
13	Nano-voltmeter	1	HCP 55	19.00
14	SPRTs (Capsule and Long-Stem)	2, 2	HCP 55	20.00
15	¼ inch Microphones (08 nos) and Loudspeakers (04 nos) 1-100 kHz	4	HCP 55	20.00
16	Pre-amplifiers (05 nos)	5	HCP 55	10.00
17	Actuator Supply (05 nos)	5	HCP 55	10.00
18	Acoustic Analyzer (two channel), 1-100 kHz	1	HCP 55	15.00
19	Waveform generator (100 kHz) and DAQ	1	HCP 55	10.00
20	Microwave Probes (08 nos) – Specially developed	8	HCP 55	8.00
21	Vector Network Analyzer (up to 40 GHz)	1	HCP 55	45.00
22	Fabrication of copper cylindrical resonator, pressure vessel and assembly	1	HCP 55	35.00
23	Digital pressure indicator	2	HCP 55	14.00
24	Cartridge Heaters at resonator-pressure vessel and RTDs	2, 2	HCP 55	5.00
25	High precision digital thermometer	1	HCP 55	35.00
26	10 MHz frequency counter	1	HCP 55	5.00
27	Cables and Adapters and Connectors for PJVS	1 set	HCP 55	25.00
28	Lock-in-amplifier	1	HCP 55	15.00
29	LN2 circulator bath	1	HCP 55	30.00

30	Low temperature circulating bath (-80 ^{o}C)	1	HCP 55	30.00
31	T.P. of Argon with realization apparatus	1	HCP 55	35.00
32	Furnace for Cylindrical cavity resonator (1000 oC)	1	HCP 55	30.00
33	High temperature blackbody fixed points with furnace up to 3000 oC	1	HCP 55	100.00
34	Linear Spectral Pyrometer/Filter radiometer	1	HCP 55	70.00
35	Vibration free optical table and mounting accessories	2	HCP 55	10.00
36	81/2 DMM with source meter	1	HCP 55	20.00
37	(2P-2T Humidity Generator and Dew Point Hygrometer)	1	HCP 55	250.00
38	Equipment for Digital SI	4	HCP 55	200.00
39	UHV Deposition Chamber	1	HCP 55	170.00
40	Cryogen-free ultra-low noise cryostat in the temperature range 2-300K equipped with superconducting magnet, dual voltage and current biasing module, capabilities to rf coupling	1	HCP 55	450.00
41	Quantum Transport measurement system: Ultra-low noise electronics setup for quantum transport measurements (Lock-in amplifiers, current preamplifiers, SMUs, DC voltage source, spectrum analyzer, low current measurement unit, nanovoltmeter, temperature controller, ultra-low noise current amplifiers (ULCA) etc.)	1	HCP 55	80.00
42	Electro Optic Modulators	3	HCP 55	15.00
43	RF Drives and Amplifiers	3	HCP 55	15.00
44	Acousto-optic modulators	4	HCP 55	10.00
45	Vacuum Pumps, gauges & accessories	2	HCP 55	12.00
46	Frequency synthesizer/Function generator	4	HCP 55	10.00
47	Clock Laser with ULE cavity with accessories	1	HCP 55	450.00
48	PMT detector	1	HCP 55	10.00
49	CCD/CMOS camera	1	HCP 55	5.00
50	Fast Photodiode	1	HCP 55	5.00
51				
52	Gaussmeter/Teslameter	1	HCP 55	12.00
53	Power/Energy meter	3	HCP 55	5.00
54	Optical isolator	4	HCP 55	15.00
55	Oscilloscopes	3	HCP 55	7.00
56	DC power supplies	2	HCP 55	5.00
57	Beam profiler	1	HCP 55	5.00
58	Laser and Wavemeter	1	HCP 55	75.00
59	Time Tagger	1	HCP 55	18.00
60	ECDL Laser Systems (one laser diode and one laser diode with amplifier) with frequency stabilization control electronics and associated accessories for Primary Frequency Standard	1	HCP 55	90.00
61	Wavelength meter with switch	1	HCP 55	100.00
62	RF spectrum analyzer upto 13.7 GHz	1	HCP 55	20.00
63	Turbo molecular pump	1	HCP 55	20.00
64	Microwave Cavities	2	HCP 55	35.00
65	IR Viewer	1	HCP 55	10.00

66	CCD Camera	1	HCP 55	10.00
67	Power meter for upto 4 W power	1	HCP 55	5.00
68	Mixed domain oscilloscope	1	HCP 55	10.00
69	Tuneable RF Frequency source with accessories	3	HCP 55	7.00
70	Fabry-Perot Interferometer	1	HCP 55	5.00
71	Regulated DC Power Supplies	4	HCP 55	10.00
72	Workstations	1	HCP 55	7.00
73	Function generator	2	HCP 55	5.00
74	Environment monitors	2	HCP 55	10.00
75	Data logger	1	HCP 55	5.00
76	Data Acquisition Cards with labview software	2	HCP 55	10.00
77	Shutters	6	HCP 55	10.00
78	Vacuum-air transfer system (Vacuum chamber/container, pumps, gauges, etc.) (1 No.)	1	HCP 55	50.00
79	Weighing balances (1Nos.)	1	HCP 55	50.00
80	Volume/density measurement system (1 No.)	1	HCP 55	70.00
81	Standards weights – 1 kg, E0/E1 class (4 Nos.)	4	HCP 55	25.00
82	Standards weights – 1 mg to 50 kg, E0/E1 class (1sets)	1	HCP 55	35.00
83	Roundness machine - non-contact (1 No.)	1	HCP 55	150.00
84	Length Measuring Machine (1 No.)	1	HCP 55	60.00
85	Laser Interferometer (Pico Meter Distance Measurement) (1 No.)	1	HCP 55	60.00
86	CCD/CMoS camera (5 No.)	5	HCP 55	10.00
87	Powder X-ray diffractometer (1 No.)	1	HCP 55	175.00
89	Environmental monitoring system (data logger) (6 Nos.)	6	HCP 55	10.00
90	Minor equipments (DC Power Supply, Jigs and Fixtures for holding the Si sphere, etc)	1	HCP 55	10.00
91	QHRS System comprising of; (i) 12T Superconducting Magnet (solenoid based) with bipolar programmable magnet power supply (ii) Variable temperature insert having 12 pin TO8 holder with compatible temperature sensors and complete wiring for doing magneto transport measurement (iii) Provision for VTI (i.e. sample) to be align parallel as well perpendicular to magnetic field. (iv) Compatible cryogenic temperature controller , LHe level sensor, (v) DCC resistance bridge with 4 channel matrix scanner Dry scroll pump to achieve 1.3 K at sample	1	HCP 55	500.00
92	QHR Devices (i) GaAs/AlGaAs based and (II) Graphene based	1 each	HCP 55	50.00
93	Integrated Confocal Raman spectroscopy/micro–Raman Mapping - Multimode AFM system with accessories	1	HCP 55	250.00
94	Cryogenic Current Comparator (CCC) bridge/electronics for the highest precision measurement of resistance ratios at different	1	HCP 55	400.00

	levels from 1 Ohm to 1 MOhm			
95	Source measuring Units, Current sources and Nanovoltmeter	1 each	HCP 55	10.00
96	Closed Cycle Refrigerator (CCR, 4.2 K-350 K)	1	HCP 55	35.00
97	Turbo molecular pump with backing pump	2	HCP 55	20.00
98	Two wavelength/Dual colour infrared optical pyrometer capable of measuring temperatures ≥ 2000 ^{0}C with interfacing kit	1	HCP 55	10.00
99	Throttle valve with controller	1	HCP 55	10.00
100	Thermally Stabilized Travelling Resistance Standards (1 - 1 MOhm)	1 each (total 6)	HCP 55	30.00
101	PRT thermometer with digital readout	2	HCP 55	10.00
102	High Precision Dual Channel Thermo-Hygrometer/ logger	2	HCP 55	5.00
103	JAWS chip Standalone 2V	1	HCP 55	50.00
104	Compatible Probe	1	HCP 55	20.00
105	Liquid Helium Dewar	1	HCP 55	20.00
106	Waveform Generator 30 MHz	1	HCP 55	5.00
107	High Speed Arbitrary Waveform Generators	1	HCP 55	18.00
108	2 Channel Broadband 50 GHz Modulator Driver/RF Amplifier	1	HCP 55	14.00
109	High Speed Counter Control AWG 4-channel isolated, prog. amplifier	1	HCP 55	10.00
110	Broadband Digitiser with high sampling rate	1	HCP 55	14.00
111	Thermal Transfer Standard	1	HCP 55	70.00
112	AC voltmeter	1	HCP 55	25.00
113	Cryocooler	1	HCP 55	20.00
114	Cryopackage 10V(DC) PJVS chip	1	HCP 55	81.00
115	Cryofree magnet (12/14 T)	1	HCP 55	290.00
116	Inserts for AC QHR	1	HCP 55	80.00
117	AC/DC QHE devices and the electronics associated with them	6	HCP 55	50.00
118	UPS with Isolation Transformer, 30 kVA	1	HCP 55	10.00
119	NA			
120	NA			
121	Electron beam lithography (EBL) equipment	1	HCP 55	965.00
122	Inductively coupled plasma reactive ion etching (ICP-RIE) equipment	1	HCP 55	600.00
123	Data Acquistion Module: Voltage/Current card, controller module, interface card, cables connectors and power supply	1	IHP 260632	14.00
124	Vacuum Gauge Calibration Bench	1	MLP 002637	125.00
125	Oil bath	1	MLP 002637	35.00
126	Airbath	1	MLP 002637	25.00
127	DC Voltage divider	1	MLP 002637	60.00
128	Current extender up to 1000 A with DCC bridge	1	MLP 002637	275.00
129	Lock In Amplifier	1	MLP 002637	45.00
130	High value capcitor standard (1 μF to 1 F)	1	MLP 002637	20.00
131	Digital assisted quadrature coaxial bridge	1	MLP 002637	230.00
132	Airbath	1	MLP 002637	50.00
133	SCS Parameter Analyzer	1	MLP 002637	180.00

134	Decade Resistance box	1	MLP 002637	25.00
135	10 kA AC high Current source/injection system with accessories	1	MLP 002637	55.00
136	150 kV DC High voltage Divider with accessories	1	MLP 002637	75.00
137	Table top plasma etching/ashing system	1	MLP 002637	40.00
138	Cryocooled PJVS and JAWS system	1	MLP 002637	1100.00
139	photocurrent mapping system	1	MLP 002637	260.00
140	Precision Bipolar DC Power supply with ±60A current (Current resolution 0.001 A)	1	MLP 002637	21.00
141	Antenna Set for various bands	1	MLP 002637	29.00
142	Cryogenic Temperature Controller with Scanner Cards	1	MLP 002637	40.00
143	AC Resistance Bridge	1	MLP 002637	25.00
144	Sputtering system	1	MLP 002637	100.00
145	Water Chiller	1	MLP 002637	25.00
146	Up gradation of Liquid Nitrogen Plant	1	MLP 002637	40.00
147	GC for natural gas	1	MLP 002637	70.00
148	GC-SCD (sulphur chemiluminescence detector)	1	MLP 002637	70.00
149	OC/EC Analyzer	1	MLP 002637	100.00
150	Automatic cylinder weighing balance (Use LRF)	1	MLP 002637	300.00
151	Solar Simulator as per IEC standard for testing of stability of reference solar cells along with environmental chamber back up with temperature and humidity	1	MLP 002637	100.00
152	Horizontal split furnace	1	MLP 002637	20.00
153	Differential Scanning Calorimetry	1	MLP 002637	50.00
154	UV-Vis-NIR Spectrometer	1	MLP 002637	50.00
155	High temperature RF Induction furnace (Temperature 1800 ^{0}C) (**)	1	MLP 002637	40.00
156	Electro-magnetic Separation System including eddy current separator and electrostatic separator	1	MLP 002637	30.00
157	Large size Furnace (Temperature 700 0C)	1	MLP 002637	20.00
158	HPLC system	1	MLP 002637	50.00
159	Electrochemical analyser	1	MLP 002637	50.00
160	Active Hydrogen Maser with environmental chamber with accessories	1	MLP 002637	550.00
161	Micro Phase Stepper with accessories	2	MLP 002637	46.50
162	Vector Network Analyzer (two-port), upto 13 GHz	1	MLP 002637	45.00
163	Distribution (frequency and pulse) amplifiers	1	MLP 002637	80.00
164	Potentiostat	1	MLP 002637	20.00
165	Replacement of pneumatic piston cylinder assembly	1	MLP 002637	15.00
166	Oil Free Vacuum Pumping Station	1	MLP 002637	20.00
167	Function generator	1	MLP 002637	8.00
168	Digital Storage Oscilloscope	1	MLP 002637	18.00
169	Soldering Station	1	MLP 002637	5.00
170	Customised 5-axis Immersion Tank	1	MLP 002637	8.00
171	Oscilloscope (Tektronix TDS2012 C or higher)	1	MLP 002637	10.00
172	RF Spectrum Analyzer (R&S ZVH8 or equivalent)	1	MLP 002637	15.00
173	Frequency counter	1	MLP 002637	5.00
174	Gas line	1	MLP 002637	15.00
175	DC Resistance standard - 1 M	1	MLP 002637	7.00

	ohm			
176	AC/DC standard Resistor standard- 10 ohm	1	MLP 002637	10.00
177	4TP AC resistance SET	1	MLP 002637	14.00
178	4TP capacitance SET	1	MLP 002637	12.00
179	Conductivity Meter	1	MLP 002637	6.00
180	10 kV insulation tester with accessories	1	MLP 002637	10.00
181	10 kV Precision DC Power supply with accessories	1	MLP 002637	5.00
182	Partial Discharge Calibrator	1	MLP 002637	13.00
183	SS Shielded Instrument Racks	1	MLP 002637	6.00
184	Oscilloscope/Up gradation	1	MLP 002637	5.20
185	6 ½ DMM and accessories	1	MLP 002637	6.00
186	10 kV AC/DC Kilo Volt Meter	1	MLP 002637	8.00
187	handheld oscilloscope	1	MLP 002637	6.00
188	Dry vacuum pump	1	MLP 002637	10.00
189	Dry Scroll Pump	1	MLP 002637	5.00
190	RF Millivoltmeter and probe kits along with required accessories	1	MLP 002637	13.00
191	Fluke 792A power pack including cables	1	MLP 002637	14.50
192	Electrical source meter	1	MLP 002637	8.00
193	GNSSS reciever with Ionosphere Scintillation Monitor	1	MLP 002637	15.00
194	Analytical Balance (0.01 mg)	1	MLP 002637	5.00
195	Laminar flow safety cabinet with temperature and RH control	1	MLP 002637	15.00
196	High-RPM Centrifuge	1	MLP 002637	15.00
197	Ultrasonic Bath	1	MLP 002637	5.00
198	Vacuum Oven	1	MLP 002637	10.00
199	UPS (1+1) configuration set	1	MLP 002637	10.00
200	Precision Workstation	1	MLP 002637	10.00
201	Time Interval Counter/Universal Frequency Counter	1	MLP 002637	8.00
202	Oscilloscope	1	MLP 002637	9.50
203	Acousto-optic Modulators, related Drivers and related accessories	1	MLP 002637	21.00
204	Multifunction generator 2-channel with individual channel phase shift control	1	MLP 002637	8.00
205	Two Photo receivers with high band width with Power supply and Accessories (Individual specs)	1	MLP 002637	9.00
206	High speed Servo controller	1	MLP 002637	9.80
207	Optical power and Energy meter	1	MLP 002637	7.50
208	Ion pump with controller and accessories	1	MLP 002637	15.00
209	High speed servo controller for locking 1542 nm (individual specs)	1	MLP 002637	25.00
210	Temperature controller	1	MLP 002637	5.00
211	Photo receivers with high band width with Power supply and Accessories	1	MLP 002637	5.00
212	Laser Beam Profiler	1	MLP 002637	10.00
213	Temperature humidity Sensor	1	MLP 002637	6.00
214	Network Attached Storage (NAS)	1	MLP 002637	6.00
215	Type-S,R,K,N,T,J,C thermocouples	1	MMP 015203	12.50

	along with accessories			
216	Workstation	2	MMP 015203	7.00
217	Hybrid comparison of AC high current comparator (including to & fro, customs, etc.,)	1	MMP 015203	40.00
218	Spares/Pre-Amplifier Board for standard Current Comparator	1	MMP 015203	12.00
219	Calibration costs for 40 kV inductive voltage transformer and CT, PT Burdens from any globally leading NMI like PTB Germany, etc. (including to & fro, customs, etc.,)	1	MLP 002637	13.50
220	Vital Signs Simulator	1	FTT 070602	28.00
221	Patient (Multipara monitor)	1	FTT 070602	7.00
222	Oscilloscope	1	FTT 070602	6.00
223	Platinum resisatnce thermometer	1	FTT 070602	6.00
224	Frequency Counter	1	MLP 002637	19.50
225	Ion pump and its controller	1	MLP 002637	5.00
226	Resonant Silicon gauge	1	MLP 002637	8.50
227	Scroll Pump	1	MLP 002637	5.00
228	Osciloscope cum spectrum analyzer	1	MLP 002637	10.00
229	1 kg Stainless Steel Mass standards with complete characterization certificates	2	MLP 002637	25.00
230	Model for Jigyasa Lab	1	HCP 0101	5.00
231	Spark plasma sintering	1	MLP 002637	150.00
232	Upgrade and retrofitting of the PJVS cryoprobe	1	HCP 55	85.00
233	Magnetic Field Probes with display unit	1	MLP 002367	20.00
232	Turbo Molecular pump and Accessories	1	MLP 002637	13.00
234	Frequency Comparator with Accessories	2	MLP 002637	80.00
235	Pulse comparator with accessories	2	MLP 002637	96.00
236	GC with FID	1	FTC 020601	35.00
237	Single-phase power source	1	MLP 002637	45.00
238	Chemical Fumehood	1	MLP 002637	10.00
239	Electrical Digital Source Meter (Keithley's Model No. 2450) with Accessories	1	MLP 002637	10.00
240	Calibration of 2 kV/ 100 pF & 2 kV/ 1000 pF Air Capacitors at 50 Hz from globally leading NMIs like NRC Canada (including To & Fro freight, Customs, GST, etc)	2	MLP 002637	18.00
21	Beam Profiler (wide beam imaging/profiling)	1	MLP 002637	15.00
22	Spark Optical Emission Spectrometer (Spark-OES)	1	FTT 080605	130.00
23	Purometer UV Radiometer and Pyrogeometer	1 set	MLP 002637	14.98
24	Precision power analyzer	1	MLP 002637	35.00
25	8.5 digital precision digital multimeter	1	MLP 002637	25.00
26	Thermal conductivity instrument	1	MLP 002637	129.00
27	UPS3010 SP spare parts for CEP-25HS-50	1	MLP 002637	6.57
28	Beam Profiler	1	MLP 002637	7.93
29	Universal time tagger	1	MLP 002637	7.67

30	3 Axis carbon felt making machine	1	MLP 002637	12.39
31	Fume hood	1	MLP 002637	18.96
32	KIlo volt meter instrument	1	MLP 002637	5.00
33	Temperature sensor	1	MLP 002637	7.98
34	Temperature controller meter	1	MLP 002637	16.84
35	Device for voltage dips etc.	1	MLP 002637	8.24
36	handheld oscilloscope	1	MLP 002637	6.00
37	Simulation Software/ Software Solution/ Academic Research Mechanical, Academic Research CFD, Academic Research HF, Academic Research EM and Academic Research Optics	1	HCP 55	65.00
38	Digital Coaxial Bridge for AC QHR	1	HCP 55	200.00

(iv)	**Equipment**: Out of Externally Funded Projects (EFP)

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
1	Optical Bench for Intensity measurement (25/30m)	1 setup	GAP 172032	400.00
2	Spectral irradiance primary standard	1 setup	GAP 172032	400.00
3	Rheometer	1	GAP 240232	65.00
4	Viscometer	1	GAP 240232	50.00
5	Mass Comparator, 1 kg, 1 micro gram	1	GAP 240232	90.00
6	Gear Tester/Gear Measuring Machine	1	GAP 240232	350.00
7	Absolute Gravimeter	1	GAP 240232	530.00
8	Guarded Hot Plate Apparatus	1	GAP 240232	395.00
9	Moisture Analyzer with Forced convection oven	1	GAP 240232	30.00
10	Water Vapour permeability analyzer	1	GAP 240232	15.00
11	Clinical thermometer Testing Apparatus	1	GAP 240232	40.00
12	Thermal-Humidity Cycling Chamber	1	GAP 240232	50.00
13	Radiant Heat Flux Sensing Apparatus Sensing	1	GAP 240232	50.00
14	Illuminance/Luminous Intensity Measurement Apparatus	1	GAP 240232	80.00
15	Photo current meter	1	GAP 240232	35.00
16	Luminance Meter	1	GAP 240232	30.00
17	Balance for Low Force Measurement	1	GAP 240232	12.00
18	Linear Encoder	1	GAP 240232	10.00
19	5 MN Force Machine	1	GAP 240232	900.00
20	Acoustic emission Testing Apparatus	1	GAP 240232	49.00
21	Phased array Ultrasonic Flaw Detector	1	GAP 240232	30.00
22	Up-gradation of Acoustic Free-Field Calibration and Testing Apparatus	1	GAP 240232	180.00

23	Up-gradation of Reverberation chamber and Testing equipment for acoustical materials	1	GAP 240232	130.00
24	Heat treatment line for carbonization	1	GAP 230332	55.00
25	Spares and Accessories	1	GAP 230332	10.00
26	BET analyser for determination of Fineness of the material	3	GAP 250932	75.00
27	Charpy and Hardness Tester	1	GAP 180932	235.00
28	High stability liquid temperature bath	6	TSP 231032	150.00
29	SPRT	6	TSP 231032	38.00
30	Precision Temperature Indicator	6	TSP 231032	24.00
31	Cetrifuge System with accessories	6	TSP 231032	12.00
32	Reading Telescope, digital Camera with display and mounting accessories	6	TSP 231032	6.00
33	Computer, Monitor, Laser Printer, UPS and accessories	6	TSP 231032	8.50
34	Multichannel data logger with 12 PRT PT-100	1	TSP 231032	20.00
35	Digital Thermo Hygrometer	6	TSP 231032	9.60
36	Ice Flakes Machine with accessories	1	TSP 231032	5.00
37	Climatic Chamber for environment test	7	TSP 231032	35.00
38	Ga and In Blackbody fixed points with furnace	1	TSP 231032	27.00

A (b)	**CONSUMABLES**

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	4.70	27.50		**32.20**
2	Miscellaneous	85.03	86.13	1.10	**172.26**
3	Research &Development Accessories (R & D Consumable)	158.80	148.42	2.40	**309.62**
4	Electrical & Electronic Items	38.70	71.29	1.23	**111.22**
5	Computer Accessories	9.00	0.62	0.25	**9.87**
6	Cartridge	9.95		0.12	**10.07**
7	Software	17.70		0.80	**18.50**
8	Stationary				
9	Chemical (Gases)	52.57	116.00	0.60	**169.17**
10	Chemical (Solid)	42.51	28.45	5.28	**76.24**
11	Batteries	11.25	35.30	1.10	**47.65**
12	Job Work (Repair)	72.92	133.99	1.75	**208.66**
13	Annual Maintenance Contract (AMC)	53.40	14.99		**68.39**
14	Furniture				

B	**FOR NEXT 2-4 FINANCIAL YEARS (2025-29) (From 01/04/2025 to 31/03/2029)**

B (a)	EQUIPMENT

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	GNSSS reciever 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

B (b)	CONSUMABLES

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.