Updated on 16/11/2026

[CSIR-AMPRI, Bhopal]

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	Thermal Evaporation System	1	25
2	Inductively Coupled Plasma Optical Emission Spectroscopy	1	92
3	UV colour printer & Cutting Plotter machine	1	13
4	Automatic Hydrogen Storage material analyzer	1	200
5	Impedance tube system with accessories	1	100
6	Fabrication of a Structure for stirrer motor positioning during foam making	1	15
7	Multichannel Potentiostat-Galvanostat with SERS Accessories	1	120
8	Bench Top Excitation Energy -Dispersive X-Ray Fluorescence Spectrometer (ED-XRF)	1	150
9	Gantry based 3D Concrete Printer	1	55
10	Fully Automated Chemisorption Analyzer	1	172
11	High resolution physisorption Analyzer	1	150
12	COMSOL Multiphysics Software	1	50
13	Total Organic Carbon Analyzer	1	45
14	Network system, Network switches etc	1	7
15	Thermocole software with modules and databases	1	100
16	Fully Automatic Fibre analyzer with Hot & Cold extraction unit	1	40
17	Vector Network Analyzer	1	13

18	High Score plus software	1	18
19	Fume Hood	1	10
20	Muffle Furnace	1	4
21	Multi-GPU server with rack and enabled modes	1	165
22	Probe station	1	20
23	Dual channel source meter	1	20
24	Ion Chromatography System	1	170
25	GPU Workstation (Blackwell architecture)	1	33
26	Customised furnace with electrolysis set up	1	10
27	Hot pressing machine	1	05
28	Coin cell crimping machine	1	05
29	Ultrasonic atomizer setup for fabrication of thin film coatings	1	12
30	Ultrasonic processor (Probe-type sonicator) with different types of probes, stand and other accessories	1	15
31	Ball milling with tungsten carbide bowl and balls with inert gas atmosphere lids	1	25
32	Sound and vibration analyser with accelerometer and calibrator	1	25
33	Building acoustic system with accessories	1	100
34	Mass spectrometer-integrable with TGA-DSC system	1	130
35	ABAQUS Software	1	30
36	Customized Sized Humidity Chamber with carbonation facility and rail facility	1	25
37	Signage Display/Kiosk with Content Management Software (CMS)	6	10
38	Interactive Panel	2	06
39	Display Panel	4	12
40	HDMI Content Spliter	1	01
41	Optical Fiber HDMI 30 Mtr	2	0.60
42	Optical Fiber HDMI 20 Mtr	2	0.50
43	Optical Fiber HDMI 10 Mtr	2	0.20

(ii)	**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	Multiplex analyzer with flow analysis accessories	1	CSIR-FTT	30.00
2	Lateral flow assembly with accessories	1	CSIR-FTT	20.00
3	Desktop Computer	10	CSIR Skill	10.00
4	Color Multifunction Printer	4	CSIR Skill	02.00
5	High-end GPU workstations, Mobile computing platforms, data storage systems	3	CSIRCLAIMMMP-015203	17.00
6	SMT pick and place machine, environmental chamber, 3D printer, NDT, 3D hand-held scanner, IT-related products, and other small equipment.	2	CSIRCLAIMMMP-015203	00.723
7	High-energy ball milling	1	CSIR-FBR-EED	10
8	Probe type sonicator	1	CSIR-FBR-CLP	10
9	High-energy ball milling or an electrochemical workstation	1	CSIR-FIRST	20
10	Multi-channel battery tester	1	B2C	20
11	Electrochemical workstation, magnetic stirrer, pump, recirculating chiller, refrigerator	1	CSIR-FIRST	20
12	Pump, Recirculating chiller, UV chamber, Refrigerator	1	FBR	10
13	Biorender	1	MMP002602	0.57
14	Industrial Air Cooler	1	MMP002602	0.35
15	Electrochemical workstation	1	FTT050602	12. 0
16	CASA XPS Software	1	FTT050602	1.50
17	Optical microscope, camera and software	1	FTT050602	2.80
18	Hot plate & stirrer	1	FTT050602	0.50
19	Pulley for cylinder	1	FTT050602	2.00
20	UV-Visible spectrometer	1	FTT050602	4.00

21	Autoclave	1	FTT050602	0.50
22	PCS tester multiparameter	1	FTT050602	0.50
23	Vacuum pump motor	1	FTT050602	1.00
24	Gas cylinders	1	FTT050602	1.50
25	Refrigerator to store chemicals	1	FTT050602	0.60
26	Work station	1	FTT050602	1.50
27	Oven	1	FTT050602	0.60
28	Furnace	1	MMP035204 W.P.V.4.2	4.5
29	Hot air Oven	1	MMP035204 W.P.V.4.2	3.00
30	Centrifuge Machine with rotor	1	MMP035204 W.P.V.4.2	3.00
31	pH meter	1	MMP035204 W.P.V.4.2	0.75
32	Vacuum Filtration Unit	1	MMP035204 W.P.V.4.2	0.75
33	Probe Sonicator	1	MMP035204 W.P.V.4.2	4.00
34	Weighing ba0lance	1	MMP035204 W.P.V.4.2	2.27
35	Ultrasonic Bath	1	MMP035204 W.P.V.4.2	0.50
36	Ar Gas Cylinder with regulator	1	MMP035204 W.P.V.4.2	1.45
37	N_2 Gas Cylinder with regulator	2	MMP035204 W.P.V.4.2	2.20
38	O_2Gas Cylinder with regulator	1	MMP035204 W.P.V.4.2	1.35
39	Measurement System for voltage holding, and floating analysis of super capacitor	1	MMP035204 W.P.V.4.3	13.0
40	Supercapacitor/battery Cycler	1	MMP035204 W.P.V.4.3	2.0
41	Punching machine for supercapacitor devices	1	MMP035204 W.P.V.4.3	2.0
42	Nitrogen gas cylinder regulator	1	MMP035204 W.P.V.4.3	0.3
43	Argon gas cylinder regulator	1	MMP035204 W.P.V.4.3	0.3

44	Two Ports Glove Box	1	MMP035204 W.P.V.4.4	21.13
45	Resin-based 3D printer with wash and cure system, melting furnace (4-5 kgs), industrial cooler, weighing balance, and hot plate with stirrer.	1	FBR080401	8.0
46	Contact Angle Measurement System	1	FBR090403	6.5
47	Hot Air Oven	1	FBR090403	0.95
48	Mixer	1	FBR090403	0.20
49	UPS	2	FBR090403	0.35
50	Centrifuge system	1	FBR090403	0.6
51	Electronic balance	1	FBR090403	1
52	Autoclave reactor	4	FBR090403	0.25
53	Black and White Printer	1	FBR090403	0.15

54	Small items like pump, thermocouple, hot air gun, nitrogen cylinder		FBR090403	-
55	CVD	1	FTT060601	20.0
56	Thermal IR camera	1	FTT060601	3.0
57	Battery Testing System	1	FTT060601	10.0
58	Dip Coater	1	FTT060601	4.0
59	Spin coater	1	FTT060601	5.0
60	Digital Multimeter	3	FTT060601	0.30
61	Mixer grinder	1	FTT060601	0.25
62	Soldiering unit	2	FTT060601	0.30
63	Bath Sonicator	1	FTT060601	0.20

64	Magnetic stirrer with hot plate	2	FTT060601	1.80
65	Weighing Balance	1	FTT060601	1.85
66	Water double distillation unit	1	FTT060601	2.50
67	Membrane electrode press	1	FTT060601	3.80
68	UV-Visible Spectrophotometer	1	FTT050609	25.00
69	Four Probe Set up	1	FTT050609	15.00
70	Milli-Q Ultrapure water unit	1	FTT050609	6.00
71	Fume hood	1	FTT050609	3.00
72	Weighing balance	1	FTT050609	1.00
73	Universal Testing Machine for structural Studies of Masonry Brick Walls	1	FTT040603	33.00

74	Fiber extractor machine/Raspador machine with accessories	2	MMP045201-WP-3	3.00
75	Yarn Machine	1	MMP045201-WP-3	0.80
76	Handloom Weaving machine	2	MMP045201-WP-3	2.0
77	3D Printer Extruder	1	MMP085203-WP-4	17.0
78	Water Cooler	3	MMP045201-WP-1	1.5
79	Multipara meter Water tester	1	MMP045201-WP-1	2.8
80	Refrigerator to store chemicals	1	MMP045201-WP-1	0.3
81	COD digestor	1	MMP045201-WP-1	1.01
82	BOD testing Setup	1	MMP045201-WP-1	1.0
83	Shaker	1	MMP045201-WP-1	1.0

84	Electrolysis set up	1	MMP045201-WP-1	0.80
85	Hot plates and stirrer	2	MMP045201-WP-1	1.00
86	Chiller	1	MLP002602	1.00
87	Magnetic Stirrer	2	MLP002602	0.95
88	Double distillation unit	2	MLP002602	2.00
89	Programmable laser engraving machine	2	MLP002602	2.00
90	Tabletop centrifuge system	2	MLP002602	2.00
91	Combing/carding Machine	2	MMP045201-WP-3	2.0

(iii)	**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	Electrochemical workstation	1	ANRF-ARG	40
2	Hot air oven	1	DBT-EFG	1.5
3	Centrifuge system	1	DBT-EFG	3
4	Laser engraving machine	1	DBT-EFG	1
5	Inkjet printing machine	1	DBT-EFG	19.5
6	Bipotentiostat-based electrochemical workstation	1	DBT-EFG	25
7	High Vacuum pump, Hydrothermal reactor	1	MNRE	1.2
8	Electrochemical Analyzer	1	ICMR	11.00
9	3D Printer with SLA & FDM Printing mode	1	ICMR	13.70
10	Plasma chamber	1	ICMR	1.50
11	Multi-channel Potentiostat /Galvanostat/Impedance Analyzer	1	DST	45.00
12	FDM 3D printer & accessories	1	DST	10.00
13	Flat panel X-ray detector-integrable with X-ray attenuation testing facility (GAP 0153)	1	GAP0153	50.00
14	Refractometer with sample presser	1	GAP0153	12.00
15	Rotavap	1	GAP0153	10.00
16 (i)	High Performance Computing Platforms: workstations,	3	GAP0162	15.00
(ii)	Mobile computing platforms	2		
(iii)	Display	1		
17	Small equipment such as power supplies, UPS, displays/monitors, and an environmental chamber		GAP0162	07.00
18	Resin 3D Printer with washing and curing unit	1	DST Funded	09.50
19	Multi-channel Potentiostat-Galvanostat-EIS Workstation	1	DST Funded	45.00
20	Computer/Laptop	1	GAP0155 & GAP0144	3.0
21	Printers	2	GAP0155 & GAP0144	1.0

22	Monitor	1	GAP0155 & GAP0144	0.6
23	Work Station	1	GAP0155 & GAP0144	04
24	Power Amplifier	1	GAP0155 & GAP0144	0.26
25	Weather sensor with data logger	1	GAP0155 & GAP0144	8.00
26	UPS	1	GAP0155 & GAP0144	0.6
27	Color and Black & White Printer	2	GAP0155 & GAP0144	1.0
28	Digital Storage Oscilloscope	1	GAP0155 & GAP0144	2
29	Function Generator	1	GAP0155 & GAP0144	1.6
30	Hammer Drill Machine/Drill Machine	1	GAP0155 & GAP0144	0.30
31	Computer Table/Chair	1	GAP0155 & GAP0144	1.0
32	Texture Analyser	1	GAP0135	14.5848
33	Drop Shape Analyzer/ Goniometer/ Wettability Analyzer	1	GAP 167	13 Lakhs
34	Ultrapure Water Purification System	1	GAP 167	13 Lakhs
35	Dropsens Potentiostat/Galvanostat/ Impedance Analyzer	1	GAP 167	12 Lakhs
36	Laboratory Refrigerator	1	GAP 167	0.7 Lakhs
37	Freeze Dryer	1	GAP 167	6.5 Lakhs
38	Biosafety CABINET	1	GAP 167	6 Lakhs
39	Hot Air Oven	1	GAP 167	1 Lakh
40	Vacuum Filtration unit with motor, small size	1	GAP 167	0.25 Lakhs
41	Bi-potentiostat-based electrochemical workstation capable of measurement of integrated biofuelsupercapacitor device	1	GAP 169	34.0
42	Direct Ink Writer Machine	1	GAP 169	13.0
43	Laser engraving machine	1	GAP 169	1.80
44	Centrifuge system	1	GAP 169	5.50
45	Hot air oven	1	GAP 169	0.70

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	R&D Consumables for closed loop systems (by equipment name, e.g., Kits for Illumina sequencer, Components for Demo Make In India Raman spectrometer, 3D printer consumables, Electrodes, etc.)	47	35+1+23.50 +5+30+10+1 .00	3+5	
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	10	7 + 1.5+9+ 15.888+18.5 0+5++18+20 +1+9.00 +2.00+2.50+ 5.00	2+19+2.52475 +4.6526+1.5+4.0	
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, Meta powders Ti alloys and CM247, Electronics and mechanical consumables, etc.)	95	3.5 + 1.5 +7+ 1.5+2++14+ 2+0.5	4+8+2+11.0855 +0.5+2.0	
4	Glass wares (ex- name the different glass wares)	10	2+0.25+4 +1.5+1.00+1 +2+1.00	2+1.5+0.40	
5	Plastic wares (ex- Name the different plastic wares)	10	2+0.25+2+0. 50+1 +0.5	0.5+2.5+0.20	
6	Toner Cartridges.	10	2+0.12+0.5+ 0.50+1+0.35 +1.0		
7	Batteries, etc.	10	0.1+0.15 +0.25		
8	Gases (e.g., CO2, N_2, Ammonia, Mixture Gas, Argon, H_2, etc.)	10	1.5+1+1+0.5 0+0.25+0.5	0.5+1.0+0.5	
9	Maintenance/AMC/repairing of existing equipment	21.80	11+0.50+2+ 5	0.15	
10	Stationery items (ex- name a few)	10	2+0.25+0.50	0.50	

			+0.5		
11	IT / software-related Items (Fusion-360 Subscription etc)	10+17.2752+2.45	0.50+0.50+1+0.5	0.50+0.30+0.20	
12	Furniture (Name the items required during year)	10	0.25+0.50+0.5		
13	Electric Items (Name the items required during year)	10	2+0.50+0.5		

B	FOR NEXT 2-4 FINANCIAL YEARS (2027-30) (From 01/04/2027 to 31/03/2030)

B (a)	EQUIPMENT

Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)

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.