

[CSIR-Central Drug Research Institute]
PROCUREMENT PLAN*

(*Please read the note given at the end)

A	FOR THE FINANCIAL YEAR 2025-26
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	BSL-III	1	683
2	Confocal based Super resolution microscope	1	303.26
3	UHPLC-HRMS	1	249.5
4	Liquid Nitrogen plant	1	450
5	Echocardiography for mouse and rats	1	200
6	CO2 Incubator	10	70
7	Stability Chamber	1	65
8	Micromanipulator	1	62
9	HPLC	1	60
10	Rotaryevaporator (20 liters) with pump and chiller	1	45
11	Servers	4	45
12	Hot melt extrusion (lab scale)	1	40
13	Real Time PCR Equipment	1	25
14	Solvent purification system	1	40
15	20 TB Storage	1	20
16	Centrifuge with accessories for protein purification applications	1	15
17	Coagulation factor analyser	1	15
18	Upright microscope for phase contrast, and bright-field imaging, upgradable to fluorescence with professional grade image analysis software	1	15
19	Autoclave (1 nos)	2	6

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
20	PCR Machine	1	4
21	Ice machines	2	2
22	Ice machine	1	1.5
23	UPS batteries for TEM: 12V, 42Ah – 29 batteries	29	1.4
24	Spectrophotometer	1	1
25	-20 °C Freezer	1	1
26	Incubator 37°C	1	1
27	4 °c Refrigerator	1	0.5
28	Upright microscope with 100X magnification, with epifluorescence attachment	1	65
29	Multi-mode plate reader with accessories	1	30
30	Multimode Reader with - UV-V1S Absorbance, Fluorescence and luminescence		
31	Inverted microscope	1	20
32	Refrigerated bacterial incubators with shelf space for 1000 petri-plates	1	20
33	Roller bottle apparatus with incubator	1	20
34	CO2 incubators	2	18
35	Refrigerated shaker incubators	1	15
36	High-speed centrifuge with biosafety accessories	1	15
37	Rotors: Fixed angle rotor: 24x2.0ml, Swing out Rotor and adapters for 15ml, 50ml and 250 ml tubes.		
38	Miscellaneous minor equipments (4°C Refrigerators, vortexes, non-refrigerated centrifuges, dry block heaters, orbital shakers, weighing balances etc.)	1 each	10
39	Non-refrigerated bacterial incubators with shelf space for 1000 petri-plates	1	10
40	Deep Freezers (-80)	1	9
41	High-speed refrigerated benchtop centrifuge	1	7.5
42	Maximum RPM: 14000/ adjustable from 1000 to 14000 Maximum capacity: For 5ml tubes and for 1.5/2.0 ml (double rotors)		

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
43	Bead beaters	1	7.5
44	Homogenizers with probes and accessories	1	7
45	Electroporators	1	5
46	Spectrophotometer	1	5
47	Deep Freezers (-20)	2	4
48	Replacement of old wireless system	1	170
49	Inhalation exposure chamber (Aerosol machine) with accessories	1	65
50	Camera for existing microscope	1	12
51	Flow Reactor	1	15
52	Luminometer	1	15
53			

(i) Equipment: Out of CSIR Infra Grant

Sr. No	Name Category of Equipment/ Vehicle Item		Approximate Cost (Rs. In Lakhs)
1	HPLC System	MMP035203	50
2	Solvent Purification System	MMP035203	25
3	Mixer Mill-Ball Mill	MMP035203	10
4	Overhead Stirrer	MMP035203	2
5	Loew temperature reaction bath(Refrigerated / heating circulator)	MMP035203	8
6	Rotary Evaporator (including chiller and pump)	MMP035203	15
7	Magnetic stirrer with heating with digital temp controller	MMP035203	5
8	Vacuum Pump for Rotary Evaporator	MMP035203	4
9	Re Circulatory Chiller for rotary evaporators	MMP035203	2
10	Real-time PCR machine	MMP075203	45
11	GPU along with Data storage server with the necessary accessories and seven Workstations.	MMP075203	60
12	Automated DNA/ RNA Extractor (Insta NX(R) Mag32)	MMP075203	10
13	Deep Freezers of -80° C Deep Freezers (2)	MMP075203	15
14	Fluorescence microscope with imaging work station	MMP075203	70
15	(-) 80 degree freezer	FBR070302	5
16	Computer cluster (12 Computer)	HCP002502	100
17	2 Printers (Color, inkjet Certificate printings)	HCP002502	
18	I card Printer (1 No.)	HCP002502	
19	Microtome machine	HCP002502	
20	-20 deg Freeze and 4 deg refrigerator	HCP002502	
21	Gel doc – Genotyping studies	HCP002502	
22	3-D Bioprinter	HCP002502	
23	pH Meter	HCP002502	
24	Weighing balance	HCP002502	
25	PCR machine	HCP002502	
26	Centrifuge	HCP002502	
27	Biosafety Cabinet	HCP002502	
28	CO2 incubator	HCP002502	
29	DNA gel electrophoresis (5 Nos)	HCP002502	
30	Western Transfer Machine (5 Nos)	HCP002502	
31	Petty equipment's like vertexer	HCP002502	
32	shaker, rotator	HCP002502	
33	UV transilluminator	HCP002502	
34	Autoclave (1 No)	HCP002502	
35	Video camera / Live Camera	HCP002502	
36	Video recording set-up	HCP002502	

(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.	Automated DNA/RNA oligonucleotide synthesizer	1	CLP9004	40.00
2.	UV Transilluminator	1	CLP9004	1.00
3.	Gel Electrophoresis and minor lab equipment	1	CLP9004	2.00
4.	Ultra-high-performance liquid chromatography-high-resolution mass spectrometer (LC-MS system) with accessories	1	GAP0003	600.00
5.	Bench Top Shaker Incubator	1	GAP0428	9.40
6.	Biophotometer Plus	1	GAP0428	
7.	Spectrophotometer	1	GAP0428	
8.	CO2 Incubator	1	GAP0428	
9.	Protein Gel Running Apparatus	1	GAP0428	
10.	Refrigerated Micro-centrifuge	1	GAP0428	
11.	Heating magnetic Stirrer-2	2	GAP0460	18.00
12.	Recirculating chiller-1	1	GAP0460	
13.	Gas chromatography-1	1	GAP0460	
14.	Refrigerator-1	1	GAP0460	
15.	Desktop and printer-1	1	GAP0460	
16.	Power pack for western blotting (X2)@80000 each	1	GAP0463	16.60
17.	Inverted fluorescent microscope with Z stacking	1	GAP0463	
18.	Vacuu-brand vacuum pump with controller-1	1	GAP0465	19.90
19.	Recirculating chiller-1	1	GAP0465	
20.	Rotary evaporator full set-1	1	GAP0465	
21.	Refrigerator-1	1	GAP0465	
22.	Laboratory Electric oven-1	1	GAP0465	
23.	Biosafety Cabinet (BSL2)	1	GAP0477	100.00
24.	Shaker incubator	1	GAP0477	
25.	Fluorescence microscope	1	GAP0477	
26.	Rotaevapor, chiller, stirrer, fridge, Autoclave, inverted light microscope with 10X and 20X objectives and camera. NIS-elements D software for existing Nikon fluorescent microscope	1	GAP0485	13.00
27.	Ice flaking machine	1	GAP0487	2.00
28.	-20 degrees deep freezer	1	GAP0487	1.15
29.	Camera along with computer for Inverted Microscope	1	GAP0487	1.85

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
30.	Refrigerated centrifuge with rotors	1	GAP0487	10.00
31.	Bio safety Cabinet (BSL-2), Shaker incubator, Flourescent Microscope	1	GAP0490	100.00
32.	Rotary evaporator	1	GAP0491	4.00
33.	Recirculating Chiller	1	GAP0491	1.99
34.	Dry Bath Incubator (Double Block)	1	GAP0491	0.75
35.	Centrifugal Vacuum Concentrator	1	GAP0500	13.70
36.	Centrifugal Partitioning Chromatography with Preparative LC System and MS interface	1	GAP0500	180.26
37.	Rotavapor with a vacuum pump, controller, and Chiller x 2 Sets	2	GAP0500	14.00
38.	Flash Chromatography System with an integrated TLC image reader	1	GAP0500	17.00
39.	GPU Server	1	GAP0500	12.80
40.	Marine Lit Database	1	GAP0500	14.00
41.	Server for hosting of research data	1	GAP0500	12.50
42.	Desktops (3 No)	3	GAP0500	2.08
43.	Flow cytometer	1	GAP0500	130.00
44.	CO2 incubator (7 No)	7	GAP0500	49.56
45.	Ultra Low Temperature Deep Freezers (2 No)	2	GAP0500	24.00
46.	Fluorescence Microscope	1	GAP0500	30.68
47.	High End Research Microscope with Ca++ Imaging Application	1	GAP0500	74.99
48.	Chemdoc (2 No)	2	GAP0500	50.00
49.	Multimode Microplate Reader	1	GAP0500	27.14
50.	Sonicator	1	GAP0500	9.44
51.	Ultra Centrifuge	1	GAP0500	7.08
52.	Probe Sonicator	1	GAP0500	3.79
53.	Vertical Autoclave	1	GAP0500	1.48
54.	Vertical Electrophoresis Cell system	1	GAP0500	1.20
55.	Vertical electrophoresis gel system, transfer assembly and basic power pack supply	1	GAP0500	2.49
56.	Micro Centrifuge	1	GAP0500	1.39
57.	Upright Showcase,Freezer (-4 degree)	1	GAP0500	0.65
58.	PCR	1	GAP0500	2.50
59.	Liquid Nitrogen Tank	1	GAP0500	2.50
60.	Tissue Homogenizer	1	GAP0500	1.44
61.	Refrigerator	1	GAP0500	0.50
62.	-20 Degree Freezer	1	GAP0500	1.39
63.	Incubator Shaker	1	GAP0500	2.50
64.	Upright (-20°C) Freezer	1	GAP0500	0.88
65.	Rocking shaker	1	GAP0500	0.55
66.	-4 Degree Freezer	1	GAP0500	0.65
67.	Liquid Nitrogen Tank	1	GAP0500	2.50
68.	Balance AUW 220D	1	GAP0500	1.80

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
69.	PH Meter	1	GAP0500	0.70
70.	Sonicator	1	GAP0500	2.50
71.	2-8°C & -10 to-26°C deep freezer	1	GAP0500	2.48
72.	Ice Flaking Machine	1	GAP0500	1.77
73.	Analytical Balance	1	GAP0500	1.42
74.	Nitrogen Tank	1	GAP0500	2.36
75.	Power Supply	1	GAP0500	0.85
76.	4°C Freezer	1	GAP0500	0.65
77.	Rocking Shaker	1	GAP0500	0.55
78.	Ice Flaker	1	GAP0500	1.77
79.	Autoclave	1	GAP0500	1.56
80.	Centrifuge	1	GAP0500	0.44
81.	Electrophoresis system	1	GAP0500	1.94
82.	LN2 Container	1	GAP0500	5.00
83.	HPLC	1	GAP480	40.00
84.	Shaker Incubator & accessories	1	GAP480	25.00
85.	Multimode Plate Reader	1	GAP480	22.00
86.	Biosafety Cabinet 3	3	GAP480	24.00
87.	Miscellaneous Instruments (Refrigerators, freezer, micro centrifuge, rota vapour & accessories, orbital shaker, balances, Magnetic stirrer PH meter, Computer, Printers & Projectors)	1	GAP480	30.00
88.	Ice Flake Machine	1	GAP480	2.50
89.	Flow cytometer, Pressure Volume System, Clamps, Microscope for tissue culture & minor equipment	1	GAP481	300.00
90.	Refrigerated vacuum concentrator	1	GAP0493	20.00
91.	Miscellaneous minor instruments (micro centrifuge, shakers, balance, magnetic stirrer, pH meter, Computers, printers, projectors)	1		
92.	Inverted fluorescence microscopy	1	GAP0496	25.00
93.	Co2 Incubator Shaker	1	GAP0446	18.00
94.	Refrigerated Centrifuge	1	GAP0497	8.00
95.	Ultrapure water purification system	1	GAP0497	
96.				
97.				

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	R&D Consumables for closed loop systems 1. NMR 2. Mass 3. Electron Microscopy 4. X Ray 5. Biacore	150.00		50.00	200.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	300.00	300.00	800.00	1400.00
3	Other Consumables (ex- Animal Feed, 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, Protease Chemical library, FDA-approved drug library, microneedle mold, etc.)	510.00	300.00	877.00	1687.00
4	Glass wares (ex- name the different glass wares)	100.00	100.00	200.00	400.00
5	Plastic wares (ex- Name the different plastic wares)	100.00	100.00	200.00	400.00
6	Toner Cartridges.	40.00		2.00	42.00
7	Batteries, etc.	30.00			30.00
8	Gases (ex- tentative names)	30.00		2.00	32.00
9	Maintenance/AMC/repairing of existing equipment	200.00	50.00	15.00	265.00
10	Stationery items (ex- name a few)	45.00	5.00	5.00	55.00
11	IT / software-related Items: Schrodinger Software for Molecular Modelling, CRESSET software, etc			16.00	16.00
12	Furniture (Name the items required during year)	25.00			25.00
13	C57BL/6NCya-HVCN1/Em1 knockout mouse		12.00		12.00
14	Electric Items (Name the items required during year)				

B	FOR NEXT 2-4 FINANCIAL YEARS (2026-29) (From 01/04/2026 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
1	-20 degree Deep Freezer	1	4
2	Column Oven	1	3.5
3	BSL -2	1	7
4	Laser Doppler Flow Meter (LDF) for Cerebral Blood Flow in ischemia studies in rat and mice.	1	22.5
5	HPLC Analytical	1	30
6	Cryostat	1	35
7	GPU Workstation	1	5
8	GPU Server	1	9
	Freezer -80 0C	1	7
9	Immunofluorescence microscope	1	15
10	Distilled water unit	1	5
11	Constant Low temperature bath (-80 oC-0 oC)	1	7.5
12	Semi-Micro Balance	1	5
13	Ultra Centrifuge	1	50
14	Microtome	1	20
15	Tabletop Refrigerated Centrifuge with 4 different rotors capable of handling 50 ml, 15ml, 2.0ml, 1.5ml tubes, and 96 well plates.	1	8.5
16	Low temperature reaction bath (-80 °C)	1	6
17	Melting point apparatus	1	1.5
18	French Press	1	20
19	Stereotaxic apparatus	1	6
20	HPLC	1	60
21	Fluorescence Microscope	1	20

Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost
22	Sprectophotometer	1	7
23	Thermal cycler	1	7
24	LN2 can	1	5
25	Tissue homozinizer	1	2.5
26	Precision weighing machine	1	1.5
27	Geldoc system	1	10
28	Vacuum pump with controller for rotary evaporator	1	3
29	Rotary evaporator	1	3
30	Vacuum Pump FD20 (not for rotavapor)	1	1.5
31	Recirculating chiller for rotary evaporator	1	1.5
32	High Content Analysis System	1	350
33	Gas chromatography/quadrupole time-of-flight mass spectrometry	1	200
34	Polarimeter	1	40
35	Rotary evaporator with Pump and chiller	2	20
36	Work stations	3	4.2
37	Monitors	3	0.4
38	Microvolume Spectrophotometer (Nanodrop)	1	14
39	Inverted Microscope	1	6
40	Bacteriological Incubator	1	5
41	Bio Rad Gel Electrophoresis Unit with power supply unit (Protein -02/ DNA-01)	1	5
42	Orbiteck Shaker incubator	1	4
43	Lypholizr big	1	40
44	"Rotaray evaporator with chiller	1	9
45	Lyophiliser	1	50
46	Refrigerator	1	0.8
47	Nano-LC/Evosep coupled to Mass Spectrometer—for Proteomics facility	1	700

Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost
48	Evaporation and fast Lyophilisation (-160 C)	1	50
49	Sonicator ultrasonic processors 500W and 750W	1	8
50	PCR Thermocycler	1	5
51	Polarimeter	1	5
52	Cabinet type Desiccator	1	3
53	Bulk & Tab Density Apparatus	1	1.5
54	Micro Balance	1	10
55	Single punch tablet compression machine	1	8
56	pH Meter	1	1
57	Magnetic stirrer with hot plate	1	0.5
58	Vortex shaker	2	0.4
59	CBRS		#####
60	Real Time PCR	1	30
61	UV Spectrometer with microvolume accessory	1	11
62	Scanning electron microscope (SEM)	1	250
63	Digital Bright light Microscope (with Camera and computer system)	1	13
64	Inverted Fluorescence Microscope	1	25
65	Rotaryevaporator	1	4
66	Chiller (-78oC)	1	8.5
67	Liquid Chromatography with tandem mass spectrometry (LC-MS/MS)	1	180
68	Semi-preparative HPLC/PDA system with fraction collector	1	60
69	Inverted fluorescent Microscope	1	40
70	CO2 Incubator	1	10
71	Biosafety Cabinet II for cell culture	1	9
72	Inverted Fluorescence microscope With 10, 40, 60, 100X – Dice-4 filters- with digital capture capacity and analysis software	1	33
73	Liquid Nitrogen tank with sensor (Thermo Locator 4+)	1	10
74	Flow-Through Cell Dissolution Tester (USP Apparatus 4)		60

Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost
75	Light Microscope with camera	1	15
76	deep freezer -80 C (upright) 400-700 litre	1	10
77	Ultracentrifuge	1	45
78	Fully motorized Inverted Microscope with optical sectioning by structured illumination	1	159.3
79	Real-time PCR machine	1	20
80	Transmission electron microscopy (TEM)	1	1250
81	Liquid N2 storage tank for cell culture work (1 for storage and 1 for carrier)	2	1.5
82	Refrigerator (4-8 0C)	1	1.3
83	Oil based vacuum pump	1	5
84	Multi-Position magnetic stirrer with hot plate-10 station	1	4
85	Multi tube vortex shaker	1	2
86	Refrigerator double door	1	1
87	Spectral Flow Sorter	1	550
88	Heating magnetic stirrers	3	2.3
89	Recirculating chiller	1	2
90	Table-top ultracentrifuge	1	50
91	Multistation magnetic stirrer	1	3
92	Upright microscope for phase contrast, and bright-field imaging, upgradable to fluorescence with professional grade image analysis software	1	15
93	Multiscan ELISA reader	1	3.5
94	Good quality Rocker-shaker (rust-resistant and can work in a cold room)	1	1.5
95	Thermal cycler	1	5
96	Ultra Deep Freezer/ -80 Degree	1	10
97	Multimode Plate Reader	1	25
98	Thermal Cycler	1	3.5
99	Micronizer/Milling instrument (Jet or Hammer Mill) (lab scale)	1	5
100	Inkjet printing	1	5

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) 1. NMR 2. Mass 3. Electron Microscopy 4. X Ray 5. Biacore 6. In vivo image analyser	1000.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	6000.00
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, Protease Chemical library , FDA-approved drug library, microneedle mold etc.)	8027.00
4	Glass wares (ex- name the different glass wares)	2000.00
5	Plastic wares (ex- Name the different plastic wares)	2000.00
6	Toner Cartridges.	210.00
7	Batteries, etc.	150.00
8	Gases (ex- tentative names)	160.00
9	Maintenance/AMC/repairing of existing equipment	1325.00
10	Stationery items (ex- name a few)	275.00
11	IT / software-related Items (Name the items required during year) Schrodinger Software for Molecular Modelling	8.00
12	Furniture (Name the items required during year)	125.00
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.