

CSIR- Indian Institute of Chemical Biology

PROCUREMENT PLAN

(*Please read the note given at the end)

A FOR THE FINANCIAL YEAR 2024-25

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	Confocal Zeiss LSM980	1	98.700
2	High-end workstations with GPU	4	54.000
3	IVC System (13 Lakhs/System) TRUE	4	52.000
4	Front tray loading freezer dryer	1	29.000
5	Fluorimeter	1	28.000
6	NIR Spectrometer	1	27.700
7	Customized biosafety cabinet to place cell-sorting instrument	1	25.000
8	Cell Disrupter	1	24.500
9	Walk-in plant growth chamber	1	24.000
10	DSC System	1	22.690
11	Cage changing station	5	20.000
12	Passive Avoidance Test for Animal Behaviour Monitoring, Tracking and Analysis System	1	20.000
13	Real time PCR	1	15.000
14	Biosafety Cabinet- 4 feet/ Type-II/ B-2	1	14.160
15	Double-door Horizontal Steam Autoclave	1	14.000
16	Supply, Installation and Integration of Hosting & Streaming facility components	1	12.000
17	minus 80 degree C freezer	1	10.000
18	Power server workstation	1	10.000
19	Network Attached Storage (NAS) Device	1	9.500
20	Nanodrop	1	9.500
21	UV-visible Spectrophotometer	1	9.490
22	High Back chairs and mid back chairs	1	7.800
23	UPS of 20KVA	1	7.200
24	Workstation of BD LSR Fortessa-3 Laser	1	7.080
25	CO2 incubator	1	6.610
26	Biosafety Cabinet	1	6.500
27	Desktop Computer	6	5.958
28	Fume hood	1	5.500
29	Ice flaking machine	2	5.000
30	Server	1	5.000
31	Grip Strength Meter	1	5.000
32	Nanodrop spectrophotometer	1	5.000
33	Microfluidic UV/VIS spectrophotometer	1	4.991

34	Animal tissue culture chamber	1	4.985
35	Granular ice generator	1	4.980
36	Rota Rod for Mouse	1	4.980
37	Tissue lyser	1	4.976
38	Mammalian cell growth unit	1	4.972
39	Cell counting machine	1	4.840
40	Running Wheels Apparatus	1	4.500
41	Radial Maze 8 Arm	1	4.500
42	Workstation for processing cryo-EM data	1	4.320
43	PCR Machine (Thermal cycler) (96 well plate)	1	4.300
44	Static Pass Box	1	4.220
45	Thermocycler	1	4.020
46	3 chamber Sociability Test	1	4.000
47	Elevated Plus Maze for Mouse	1	3.500
48	Incubator shaker	1	3.540
49	Large Display Signage System	1	3.000
50	Computers / Desktops	1	3.000
51	Wireless Access Points	1	3.000
52	POE+ Managed Network Switch	1	3.000
53	Rotor for refrigerated centrifuge	1	2.995
54	FIRE EXTINGUISHERS	1	2.700
55	Biometric system	1	2.500
56	Vertical Electrophoresis Cell with Power pack	1	2.500
57	Laptops	3	4.800
58	Dedicated High End USB Support Video Conferencing Camera including Stand and Remote Controller	2	2.000
59	Small 2 KVA Online UPS System with Battery of backup time 30 minutes	1	2.000
60	a) Video Conferencing including Stand and Remote Controller. b) Video Conferencing Wired Microphone with Additional Mics and 3) Speaker System etc. with all other adapters and cables.	1	2.000
61	4K Supported High Quality Projector with Ceiling Installation Kit	1	2.000
62	Acquisition and processing system for microscope images	1	1.980
63	Deep Feezer -20 C	1	1.652
64	Laboratory Weighing Machine With Internal Calibration	1	1.558
65	Commercial Grade Dishwasher	1	1.500
66	Refrigerator (-20°C)	1	1.115
67	Non POE Managed Switch for LAN Network System	1	1.000
68	Thimble Connection of IVC System	1	0.980
69	Local Biometric System Terminals	1	0.750
70	De humidifier	2	0.750
71	Handhold First-control Pickup Devices	2	0.720

72	Laboratory basic power supply unit with connecting loop (PowerPac)	1	0.700
73	Laboratory Vertical Sterilizer With Auto-cut Heater And Pressure Control Device	1	0.679
74	Laboratory Tabletop High Speed Rotary Machine	2	0.605
75	Geysers	6	0.600
76	Trolley for Transportation of cages	2	0.540
77	Rat and Mice Restrainer	4	0.500
78	Library books	1	0.500
79	Thermal Bath	1	0.472
80	Refrigerator (-20°C)	1	0.450
81	Voltage stabilizer	2	0.440
82	Washing machine	1	0.400
83	Color Printer/ Scanner	1	0.400
84	Laboratory Tabletop Speed Control Stirring Machine	2	0.395
85	Washing Machine	1	0.350
86	Laboratory Tabletop Touch & Play Mixing Instruments	2	0.279
87	Online UPS	5	0.275
88	Working Bench	1	0.200
89	Induction chamber of mice for Anaesthesia machine	1	0.170
90	Stainless stool	4	0.100

(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	600 MHz NMR	1	PEF	800.000
2	Triple quad mass spectrometer	1	FCP	235.000
3	Triple Quadrupole Liquid Chromatography-Mass Spectrometry System (LC-MS/MS)	1	HCP47	160.000
4	GPU enabled (HPC) with 5 nodes	1	FCP	45.000
5	Prep-HPLC	1	MMP075201	38.000
6	BD Rhapsody HT Xpress Single-Cell Analysis System	1	GAP 483	35.105
7	Behavioral Lab	1	FCP	28.000
8	TR-FRET Plate reader	1	MMP075201	35.000
9	Multi-parametric 96well plate reader	1	FCP	27.000
10	CO2 incubators	2	FCP	16.000
11	Refrigerated centrifuge	2	FCP	20.000
12	Microscope	2	FCP	20.000
13	MAX-303 UV instrument with bandpass filters	1	FTT070504	18.000
14	Microplate Reader		MMP075202	16.000
15	Bio Reactor/ Fermenter		MMP075202	15.000

16	Real time PCR	1	FCP	15.000
17	Minor Equipments (Rotary Evaporator, Chiller, High Vacuum Pump and Analytical Semi Micro Balance)		MMP075202	12.500
18	Horizontal Rectangular Autoclave	1	MMP075202	10.000
19	minus 80 degree C freezer	1	FIR070304	10.000
20	Biosafety hood (BSL2)	1	FCP	10.000
21	Refrigerated microcentrifuge	2	FCP	10.000
22	Data center to enable GLP	1	FCP	10.000
23	21CFR11 certified Hematology analyzer	1	FCP	8.200
24	21CFR11 certified Biochemical analyzer	1	FCP	8.000
25	Microtome	1	FCP	7.000
26	-80 Freezers (2 nos.)	2	FCP	7.000
27	GPU based Server node/ workstation	1	FTT070504	7.000
28	Rotary evaporator	1	MMP075201	7.000
29	Centrifuge	1	MMP075202	7.000
30	CO2 Incubator for cell culture	1	FIR070304	7.000
31	Refrigerator	1	MMP075201	5.500
32	Biosafety Cabinet Class II	1	MMP075202	5.500
33	Electroporator	1	MMP075202	5.000
34	-20 Freezers (3 nos.)	3	FCP	5.000
35	Rotary Evaporator system	1	FTT070504	5.000
36	Temperature-controlled Shaker Incubator	1	MMP075201	5.000
37	Stability Chambers	2	MMP075201	5.000
38	Rotary evaporator	1	MMP075201	5.000
39	CO2 incubator	1	MMP075201	5.000
40	BOD incubator Shaker	1	MMP075202	4.000
41	Small Equipments		FCP	3.500
42	Ultrasonic cell homogenizer	1	MMP075202	3.000
43	Refrigerators	3	FCP	3.000
44	Sonicator	1	FTT070504	3.000
45	Themohygrometer	5	FCP	2.000
46	Small Equipment		FTT070504	2.000
47	Magnetic stirrer	3	MMP075201	1.500
48	SDS-PAGE apparatus including running and transfer units	2	FIR070304	1.500
49	Desktop Workstation	1	HCP 50	1.150
50	Small bench top centrifuge	1	FIR070304	1.000
51	Liquid N2 containers	1	FCP	1.000
52	Gel electrophoresis apparatus	1	MMP075201	1.000
53	Interactive Screen	1	HCP101	1.000
54	Temperature-controlled magnetic stirrer	1	MMP075201	0.700
55	Rocker	1	FIR070304	0.500

(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	Ultracentrifuge	1	GAP 477	39.000
2	Benchtop single cell analysis system	1	GAP483	35.132
3	High End Server	1	GAP472	16.000
4	Chemidoc	1		14.200
5	RT-PCR machine	1	GAP484	13.450
6	Refrigerated Centrifuge	1	GAP459	10.000
7	Electroporation System	1	GAP477	10.000
8	Gell Apparatus with Power Pack+ Refrigerated Centrifuge+ pH Meters+ Shakers+ Pipetes	1	GAP477	9.000
9	Inverted phase contrast microscope	1	GAP486	7.500
10	- 86 degree ultracool deep freezer	1	GAP476	6.500
11	Electroporator	1	GAP350	6.500
12	Pipetman set and pipettor	4 sets	GAP482	6.000
13	Co2 Incubator	1	GAP476	5.000
14	Small inverted microscope	1		5.000
15	Fluorometer for Nucleic Acid and Protein Detection	1	GAP477	3.800
16	Power Blotter	1	GAP477	3.500
17	Ion meter	1	GAP454	2.500
18	Midi-MACS-cell separator	1		2.500
19	Liquid nitrogen tank accs.	1		1.300
20	Nucleofector	1		
21	Horizontal gel electrophoresis apparatus	1	GAP 452	0.500
22	Power supply for Horizontal gel electrophoresis apparatus	1	GAP 452	0.500
23	Laminar Airflow	1	GAP 452	1.520

A (b)	CONSUMABLES
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Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)			
		Out of CSIR Infra	Out of CSIR Funded	Out of Externally	Total (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (Repair, Spare and Consumables for JEOL JMS-700 MASS SPECT, GCMS(QP2020), CHNS/O ANALYZER, Bruker XRD D8 Venture Jeol 400 MHZ NMR, LEICA TCS SPD Confocal, Microscoppe, LTQ Orbitrap XL Mass Spectrometer, LC MS-ESI HRMS, FTIR, BD LSRFortessa- 3 lasers, BD LSRFortessa- 5 lasers, Xfe 24 Sea Horse Instrument, Zeiss Microscope,LSM 800, Zeiss Microscope,LSM 980, 4800 MALDI TOF/TOF, SEM BATTERY, Miseq, IVIS, NMR 600 MHZ (Liquid Helium and Liquid Nitrogen), Old AFM, BLI Octet RED 96e, Affinity Isothermal Titration Calorimeter, Ultra Centrifuge, BD FORTESSA, BD ARIA, HPLC Agilant, FCS, GC Agilent, FCS, -80,RTPCR,Centrifuge , FV10i Confocal System (Olympus), SEM, Nikon make, Ti2)	350.00	75.00	60.00	485.00
2	Chemicals (ex.- Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, Antiboies, catalysts-Pd, ligands, Directing groups, additives, amines, alcohols, acids, halides, nitriles, aldehydes, ketones, esters, amino acids, peptides, aromatic compounds, common salts, oxidizing agents, reducing agents, common dry solvents etc)	250.00	140.00	130.00	520.00
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, Media, Serum, antibiotics, Agriculture accessories, etc.)	70.00	50.00	140.00	260.00

4	Glass wares (ex- glass bottles, conical flasks, glass plates, thin plates, test tubes, funnel, beakers, glass bottles, culture tubes, petri plates etc)	25.00	25.00	33.00	83.00
5	Plastic wares (ex- Plate, Dish, peptite, Micro tips, Reagent reservoir, Gloves, Beaker, Tubes etc)	20.00	19.00	28.00	67.00
6	Toner Cartridges (Cartridges of different types of printers eg 12a, 78A, 88A etc)	2.00	1.50	2.00	5.50
7	Batteries, etc.	0.05	0.05	0.05	0.15
8	Gases (ex- Nitrogen, Helium, Oxygen etc)	20.00	7.00	8.50	35.50
9	Maintenance/AMC/repairing of existing equipment	135.00	5.00	6.00	146.00
10	Stationery items (ex-Printer Papers, Adhesive tapes, Scissors, Pen Markers, Parafilm, staplers, File boards, Four fold files, Stapler, Pins, A4 Paper)	12.00	7.00	9.00	28.00
11	IT / software-related Items (Shrodinger software suite, FlowJo Academic Portal, Biorender, SPSS, Adobe Photoshop, Graphpad Prism, Anti-Virus S/w liscence, OS liscence, Media Converters, Media Switches, HDMI Splitters, Wi-Fi Adapters, Network Switches, Removable USB Storage, UTP Cat6 Cable, RJ 45 Connectors etc.)	150.00	35.00	20.00	205.00
12	Furniture	25.00			25.00
13	Electric Items (Tube lights, UV lights)	6.00	2.00	1.00	9.00

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

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

B (b)	CONSUMABLES
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Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (Repair, Spare and Consumables for JEOL JMS-700 MASS SPECT, GCMS(QP2020), CHNS/O ANALYZER, Bruker XRD D8 Venture, Jeol 400 MHZ NMR, LEICA TCS SPD Confocal, Microscoppe, LTQ Orbitrap XL Mass Spectrometer, LC MS-ESI HRMS, FTIR, BD LSRFortessa- 3 lasers, BD LSRFortessa- 5 lasers, Xfe 24 Sea Horse Instrument, Zeiss Microscope,LSM 800, Zeiss Microscope,LSM 980, 4800 MALDI TOF/TOF, SEM BATTERY, Miseq, IVIS, NMR 600 MHZ (Liquid Helium and Liquid Nitrogen), Old AFM, BLI Octet RED 96e, Affinity Isothermal Titration Calorimeter, Ultra Centrifuge, BD FORTESSA, BD ARIA, HPLC Agilant, FCS, GC Agilent, FCS, - 80,RTPCR,Centrifuge , FV10i Confocal System (Olympus), SEM, Nikon make, Ti2)	1455.00
2	Chemicals (ex.- Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, Antiboies, catalyts-Pd, ligands, Directing groups, additives, amines, alcohols, acids, halides, nitriles, aldehydes, ketones, esters, amino acids, peptides, aromatic compounds, common salts, oxidizing agents, reducing agents, common dry solvents etc)	1560.00
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, etc.))	780.00
4	Glass wares (ex- glass bottles, conical flasks, glass plates, thin plates, test tubes, funnel, beakers, glass bottles, culture tubes, petri plates etc Measuring Cylinders, Beakers, Conical Flask, Glass Bottles)	249.00
5	Plastic wares (ex- Plate, Dish, peptite, Micro tips, Reagent reservoir, Gloves, Beaker, Tubes, PCR Tubes, Falcons, Pipette Tips, Holders, Plastic trays, T25 and T75 culture flasks, 35 mm, 60 mm culture dishes, Chamber slides, 5ml, 10ml, 25 ml pipets, Pipet tips 10 µl, 200µl, 1000 µl without or with filters, companion plates, Inserts with 1 µm pores, Combs for scratch, Filters, syringes, Vacuum tubes, 15 ml and 50 ml sterile conical tubes)	201.00
6	Toner Cartridges (Cartridges of different types of printers eg 12a, 78A, 88A etc)	16.50
7	Batteries, etc.	0.45
8	Gases (ex- Nitrogen, Helium, Oxygen etc)	106.50
9	Maintenance/AMC/repairing of existing equipment Cryostat, Refrigerator	438.00
10	Stationery items (Printer Papers, Adhesive tapes, Scissors, Pen Markers, Parafilm, staplers)	84.00

11	IT / software-related Items (Shrodinger software suite, FlowJo Academic Portal, Biorender, SPSS, Adobe Photoshop, Graphpad Prism, Anti-Virus S/w liscence, OS liscence, Media Converters, Media Switches, HDMI Splitters, Wi-Fi Adapters, Network Switches, Removable USB Storage, UTP Cat6 Cable, RJ 45 Connectors etc.)	615.00
12	Furniture	75.00
13	Electric Items (Tube lights, UV lights)	27.00

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.