

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	IVC System (13 Lakhs/System) TRUE	4	52.000
3	Front tray loading freezer dryer	1	29.000
4	Fluorimeter	1	28.000
5	NIR Spectrometer	1	27.700
6	Cell Disrupter	1	25.580
7	Customized biosafety cabinet to place cell-sorting instrument	1	25.000
8	Walk-in plant growth chamber	1	24.000
9	DSC System	1	22.690
10	Cage changing station	5	20.000
11	Passive Avoidance Test for Animal Behaviour Monitoring, Tracking and Analysis System	1	20.000
12	Real time PCR	1	15.000
13	Biosafety Cabinet- 4 feet/ Type-II/ B-2	1	14.160
14	Double-door Horizontal Steam Autoclave	1	14.000
15	minus 80 degree C freezer	1	10.000
16	Power server workstation	1	10.000
17	Network Attached Storage (NAS) Device	1	9.500
18	Nanodrop	1	9.500
19	High Back chairs and mid back chairs	1	7.800
20	UPS of 20KVA	1	7.200
21	Workstation of BD LSR Fortessa-3 Laser	1	7.080
22	CO2 incubator	1	6.610
23	Desktop Computer	6	5.958
24	Fume hood	1	5.500
25	Ice flaking machine	2	5.000
26	Server	1	5.000
27	Grip Strength Meter	1	5.000
28	Nanodrop spectrophotometer	1	5.000
29	Rota Rod for Mouse	1	4.980
30	Running Wheels Apparatus	1	4.500
31	Radial Maze 8 Arm	1	4.500
32	Workstation for processing cryo-EM data	1	4.320
33	Static Pass Box	1	4.220
34	3 chamber Sociability Test	1	4.000
35	Elevated Plus Maze for Mouse	1	3.500

36	Large Display Signage System	1	3.000
37	Computers / Desktops	1	3.000
38	Wireless Access Points	1	3.000
39	POE+ Managed Network Switch	1	3.000
40	FIRE EXTINGUISHERS	1	2.700
41	Biometric system	1	2.500
42	Laptops	3	4.800
43	Dedicated High End USB Support Video Conferencing Camera including Stand and Remote Controller	2	2.000
44	Small 2 KVA Online UPS System with Battery of backup time 30 minutes	1	2.000
45	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
46	4K Supported High Quality Projector with Ceiling Installation Kit	1	2.000
47	Commercial Grade Dishwasher	1	1.500
48	Non POE Managed Switch for LAN Network System	1	1.000
49	Thimble Connection of IVC System	1	0.980
50	Local Biometric System Terminals	1	0.750
51	De humidifier	2	0.750
52	Geysers	6	0.600
53	Trolley for Transportation of cages	2	0.540
54	Rat and Mice Restrainer	4	0.500
55	Library books	1	0.500
56	Refrigerator (-20°C)	1	0.450
57	Voltage stabilizer	2	0.440
58	Washing machine	1	0.400
59	Color Printer/ Scanner	1	0.400
60	Washing Machine	1	0.350
61	Online UPS	5	0.275
62	Working Bench	1	0.200
63	Induction chamber of mice for Anaesthesia machine	1	0.170
64	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	GPU enabled (HPC) with 5 nodes	1	FCP	45.000
4	Prep-HPLC	1	MMP075201	38.000
5	Behavioral Lab	1	FCP	28.000

6	TR-FRET Plate reader	1	MMP075201	35.000
7	Multi-parametric 96well plate reader	1	FCP	27.000
8	CO2 incubators	2	FCP	16.000
9	Refrigerated centrifuge	2	FCP	20.000
10	Microscope	2	FCP	20.000
11	MAX-303 UV instrument with bandpass filters	1	FTT070504	18.000
12	Microplate Reader		MMP075202	16.000
13	Bio Reactor/ Fermenter		MMP075202	15.000
14	Real time PCR	1	FCP	15.000
15	Minor Equipments (Rotary Evaporator, Chiller, High Vacuum Pump and Analytical Semi Micro Balance)		MMP075202	12.500
16	Horizontal Rectangular Autoclave	1	MMP075202	10.000
17	minus 80 degree C freezer	1	FIR070304	10.000
18	Biosafety hood (BSL2)	1	FCP	10.000
19	Refrigerated microcentrifuge	2	FCP	10.000
20	Data center to enable GLP	1	FCP	10.000
21	21CFR11 certified Biochemical analyzer	1	FCP	8.000
22	Microtome	1	FCP	7.000
23	-80 Freezers (2 nos.)	2	FCP	7.000
24	GPU based Server node/ workstation	1	FTT070504	7.000
25	Rotary evaporator	1	MMP075201	7.000
26	Centrifuge	1	MMP075202	7.000
27	CO2 Incubator for cell culture	1	FIR070304	7.000
28	21CFR11 certified Hematology analyzer	1	FCP	6.500
29	Refrigerator	1	MMP075201	5.500
30	Biosafety Cabinet Class II	1	MMP075202	5.500
31	Electroporator	1	MMP075202	5.000
32	-20 Freezers (3 nos.)	3	FCP	5.000
33	Rotary Evaporator system	1	FTT070504	5.000
34	Temperature-controlled Shaker Incubator	1	MMP075201	5.000
35	Stability Chambers	2	MMP075201	5.000
36	Rotary evaporator	1	MMP075201	5.000
37	CO2 incubator	1	MMP075201	5.000
38	BOD incubator Shaker	1	MMP075202	4.000
39	Small Equipments		FCP	3.500
40	Ultrasonic cell homogenizer	1	MMP075202	3.000
41	Refrigerators	3	FCP	3.000
42	Sonicator	1	FTT070504	3.000
43	Themohyrometer	5	FCP	2.000
44	Small Equipment		FTT070504	2.000
45	Magnetic stirrer	3	MMP075201	1.500
46	SDS-PAGE apparatus including running and transfer units	2	FIR070304	1.500

47	Small bench top centrifuge	1	FIR070304	1.000
48	Liquid N2 containers	1	FCP	1.000
49	Gel electrophoresis apparatus	1	MMP075201	1.000
50	Interactive Screen	1	HCP101	1.000
51	Temperature-controlled magnetic stirrer	1	MMP075201	0.700
52	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	Benchtop single cell analysis system	1	GAP483	35.132
2	100X objective and Stage top incubator compatible with IX83 microscope	1	GAP477	20.000
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
	Electroporator	1	GAP350	6.500
11	BB 15 CO2 Incubator	1	GAP477	6.000
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

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 (Biorender, 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.)	80.00	35.00	20.00	135.00
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
		(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 Agilent, 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, Antibioies, 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)	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 (Biorender, 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.)	405.00
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.