

# CSIR- Indian Institute of Chemical Biology

## PROCUREMENT PLAN

(\*Please read the note given at the end)

<b>A</b>	<b>FOR THE FINANCIAL YEAR 2024-25</b>
----------	---------------------------------------

<b>A (a)</b>	<b>EQUIPMENT</b>
--------------	------------------

<b>(i)</b>	<b>Equipment: Out of CSIR Infra Grant</b>
------------	---

Sr. No.	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1	IVC System (13 Lakhs/System) TRUE	4	52.000
2	NIR Spectrometer	1	27.700
3	Walk-in plant growth chamber	1	24.000
4	DSC System	1	22.690
5	Cage changing station	5	20.000
6	High Back chairs and mid back chairs	1	7.800
7	Workstation of BD LSR Fortessa-3 Laser	1	7.080
8	Desktop Computer	6	5.958
9	Ice flaking machine	2	5.000
10	Server	1	5.000
11	Large Display Signage System	1	3.000
12	Computers / Desktops	1	3.000
13	Wireless Access Points	1	3.000
14	POE+ Managed Network Switch	1	3.000
15	FIRE EXTINGUISHERS	1	2.700
16	Laptops	3	4.800
17	Dedicated High End USB Support Video Conferencing Camera including Stand and Remote Controller	1	2.000
18	Small 2 KVA Online UPS System with Battery of backup time 30 minutes	1	2.000
19	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
20	4K Supported High Quality Projector with Ceiling Installation Kit	1	2.000
21	Commercial Grade Dishwasher	1	1.500
22	Non POE Managed Switch for LAN Network System	1	1.000
23	Thimble Connection of IVC System	1	0.980
24	Local Biometric System Terminals	1	0.750
25	De humidifier	2	0.750
26	Geysers	6	0.600
27	Trolley for Transportation of cages	2	0.540
28	Rat and Mice Restrainer	4	0.500

29	Library books	1	0.500
30	Refrigerator (-20°C)	1	0.450
31	Washing machine	1	0.400
32	Color Printer/ Scanner	1	0.400
33	Washing Machine	1	0.350
34	Online UPS	5	0.275
35	Biometric system	1	0.250
36	Working Bench	1	0.200
37	Induction chamber of mice for Anaesthesia machine	1	0.170
38	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	Real time PCR	1	FCP	15.000
13	Biosafety hood (BSL2)	1	FCP	10.000
14	Refrigerated microcentrifuge	2	FCP	10.000
15	Data center to enable GLP	1	FCP	10.000
16	21CFR11 certified Biochemical analyzer	1	FCP	8.000
17	Microtome	1	FCP	7.000
18	-80 Freezers (2 nos.)	2	FCP	7.000
19	GPU based Server node/ workstation	1	FTT070504	7.000
20	Rotary evaporator	1	MMP075201	7.000
21	21CFR11 certified Hematology analyzer	1	FCP	6.500
22	Refrigerator	1	MMP075201	5.500
23	-20 Freezers (3 nos.)	3	FCP	5.000
24	Rotary Evaporator system	1	FTT070504	5.000
25	Temperature-controlled Shaker Incubator	1	MMP075201	5.000
26	Stability Chambers	2	MMP075201	5.000
27	Rotary evaporator	1	MMP075201	5.000
28	CO2 incubator	1	MMP075201	5.000
29	Small Equipments		FCP	3.500

30	Refrigerators	3	FCP	3.000
31	Sonicator	1	FTT070504	3.000
32	Themohyrometer	5	FCP	2.000
33	Small Equipment		FTT070504	2.000
34	Magnetic stirrer	3	MMP075201	1.500
35	Liquid N2 containers	1	FCP	1.000
36	Gel electrophoresis apparatus	1	MMP075201	1.000
37	Interactive Screen	1	HCP101	1.000
38	Temperature-controlled magnetic stirrer	1	MMP075201	0.700

<b>(iii)</b>	<b>Equipment: Out of Externally Funded Projects (EFP)</b>
--------------	---

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
1	100X objective and Stage top incubator compatible with IX83 microscope	1	GAP477	20.000
2	Electroporation System	1	GAP477	10.000
3	Gell Apparatus with Power Pack+ Refrigerated Centrifuge+ pH Meters+ Shakers+ Pipetes	1	GAP477	9.000
4	- 86 degree ultracool deep freezer	1	GAP476	6.500
5	BB 15 CO2 Incubator	1	GAP477	6.000
6	Co2 Incubator	1	GAP476	5.000
7	Fluorometer for Nucleic Acid and Protein Detection	1	GAP477	3.800
8	Power Blotter	1	GAP477	3.500
9	Ion meter	1	GAP454	2.500
10	Refrigerated Centrifuge	1	GAP459	10.000
11	Pipetman set and pipettor	4 sets		6.000
12	Chemidoc	1		14.200
13	Liquid nitrogen tank accs.	1		1.300
14	Midi-MACS-cell separator	1		2.500
15	Small inverted microscope	1		5.000
16	Nucleofector	1		
17	High End Server	1	GAP472	16.000

**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	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 ( <b>ex- Plate, Dish, peptite, Micro tips, Reagent reservoir, Gloves, Beaker, Tubes etc</b> )	20.00	19.00	28.00	67.00
6	Toner Cartridges ( <b>Cartridges of different types of printers eg 12a, 78A, 88A etc</b> )	2.00	1.50	2.00	5.50
7	Batteries, etc.	0.05	0.05	0.05	0.15
8	Gases ( <b>ex- Nitrogen, Helium, Oxygen etc</b> )	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 ( <b>ex-Printer Papers, Adhesive tapes, Scissors, Pen Markers, Parafilm, staplers, File boards, Four fold files, Stapler, Pins, A4 Paper</b> )	12.00	7.00	9.00	28.00
11	IT / software-related Items ( <b>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.</b> )	80.00	35.00	20.00	135.00
12	Furniture	25.00			25.00
13	Electric Items ( <b>Tube lights, UV lights</b> )	6.00	2.00	1.00	9.00

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

<b>B (a)</b>	<b>EQUIPMENT</b>
--------------	------------------

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

<b>B (b)</b>	<b>CONSUMABLES</b>
--------------	--------------------

Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	R&D Consumables for closed loop systems <b>(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)</b>	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 ( <b>Cartridges of different types of printers eg 12a, 78A, 88A etc</b> )	16.50
7	Batteries, etc.	0.45
8	Gases ( <b>ex- Nitrogen, Helium, Oxygen etc</b> )	106.50
9	Maintenance/AMC/repairing of existing equipment <b>Cryostat, Refrigerator</b>	438.00
10	Stationery items ( <b>Printer Papers, Adhesive tapes, Scissors, Pen Markers, Parafilm, staplers</b> )	84.00
11	IT / software-related Items ( <b>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.</b> )	405.00
12	Furniture	75.00
13	Electric Items ( <b>Tube lights, UV lights</b> )	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.