

**[CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY]**

**Procurement Plan**  
**[Financial Year 2025-26]**

**[A] Equipment:**

**Table 1:** Equipment for procurement during the FY 2025-26 and subsequent 3 – 5 years (under **Non-project mode**; out of CSIR Grant / Lab Grant):

<b>Financial Year 2025-2026</b>			
<b>S. No.</b>	<b>Name of Equipment / Item</b>	<b>Quantity (Nos.)</b>	<b>Approximate Cost (Rs. in Lakhs)</b>
1	Transmission Electron Microscope	1	800.00
2	Metabolic flux analyser	1	175.00
3	Upgradation of Zeiss LSM980 confocal microscope with airy scan module	1	120.00
4	Ultra Microtome	1	60.00
5	Luminex Multiplex	1	80.00
6	Droplet Digital PCR	1	72.00
7	Central synthetic chemical lab		
	7 (i) Rotary Evaporator with vacuum pump and controller	1	6.30
	7 (ii) Low temperature Chiller	1	5.00
	7 (iii) Magnetic Stirrer with probe	6	4.80
	7 (iv) Heating mantle	4	0.50
	7 (v) Argon and Nitrogen Cylinder with regulator	1	0.60
	7 (vi) Hot air oven with blower ~100 litre	1	0.80
	7 (vii) Vacuum oven ~60 litre	1	2.25
	7 (viii) Low Temperature Immersion Cooler/low temperature bath	1	8.50
	7 (ix) Horizontal Shaker with heating	1	1.50
	7 (x) Frost-free freezer (4-degree)	2	1.20
	7 (xi) Frost-free freezer (-20 degree)	1	1.25
	7 (xii) Analytical Weighing Microbalance (5 digit)	1	1.70

	7 (xiii) UV Chamber/ UV detection system	1	0.60
	7 (xiv) Two-stage rotary vane pump (3/4 HP)	1	2.50
	7 (xv) Desktop Computer + multifunctional Scanner and Laser printer	1	1.50
	7 (xi) Glass Oven	1	11.00
	7 (xii) Solvent Extraction System	1	7.00
8	Polarimeter	1	20.00
9	Ultra Low Deep Freezer (-80 degrees)	1	10.00
10	IVC System for Mice	2	18.97
11	Class II A2 Biological Safety Cabinet	1	4.897
12	Small equipment (Laptop, Web Camera, Speaker etc.)		35.00
13	RT PCR	1	15.00
14	Enhanced purity laboratory water generation and stabilization module	2	22.00
15	Ice Machine	2	6.00
16	16 (i) HPC server with GPU	1	80.00
	16 (ii) Computer Workstation	4	15.00
17	Desktop Computer and UPS	24	23.00
18	Dehumidifier	4	2.00
19	Small animal X-ray irradiator	1	200.00
20	Animal Cage changing station	4	11.97
21	20 KVA UPS System with battery bank	1	5.00
22	Managed Layer 3 Switch with Accessories	1	4.50
23	Upgradation of LBAS Attendance System with 6 Terminals and Compatible Software	1	3.50
24	Access Points with Accessories	8	3.00
25	Supply, Installation and Integration of Hosting & Streaming facility components for Auditorium of Jadavpur Campus, CSIR-IICB 25 (i) Media Processor with inbuilt Web Management Software	1	4.40
	25 (ii) Transmitter and Receiver 4K HDMI Extender Kit(Pair) for Input and	4	1.85

	Output Devices		
25	(iii) PTZ Broadcast Streaming Camera with Accessories	1	3.15
	25 (iv) Confidence Display System including Stage Mountable Stand and Accessories	1	0.645
	25 (v) AV(Audio & Video) Network Managed Switch - 16 Port PoE	1	0.35
	25 (vi) 1X8 HDMI Splitter for Extension of Multiple Output Display Devices etc.	1	0.55
26	Servers for Hosting Web Application / Portal	2	30.00
27	Overhead High End Projector including ceiling mountable kit and accessories	1	4.00
28	10 KVA UPS System with battery bank	1	3.00
29	Video Conferencing Camera	2	2.00
30	30 (i) 16-channel mixing console including Accessories		0.50
	30 (ii) Dual Channel Poweramplifier including Accessories		0.45
	30 (iii) Table Top Wired Microphone with Base with Accessories		0.20
	30 (iv) UHF Wireless Handheld Set with Accessories		0.40
	30 (v) UHF Lapel Microphone Set with Accessories		0.40
	30 (vi) Two Way Wall Mount Speaker including Accessories		0.25
	30 (vii) Multi Directional USB Microphone including Two Extensions		0.80
31	Large Format Display System / Interactive Panel System	1	10.00
32	Air Purifier Dehumidifier	4	2.00
33	Digital sight series camera (CMOS C mount)	1	3.60
34	Vacuum Pump	2	1.85
35	Autoclave	6	1.35
36	Vacuum Oven	1	2.04
37	Refrigerator 400-450 Litres	1	1.45
38	Refrigerator 1250-1500 Litres	1	1.75
39	Magnetic hot plate stirrer	2	2.50
40	Benchtop UV equipment	1	0.32
41	Sonicator system	1	0.30
42	Centrifuge	1	1.95
43	Weighing Balance	1	1.50
44	Hot air oven	1	2.15

45	Workstation with UPS	4	15.00
46	CO2 Euthanasia System	2	1.66
47	Washing Machine	1	0.40
48	Potentiostat/ Galvanostat and accessories	1	5.00
49	Instrument Trolley	1	0.50
50	Water purification system	1	0.15
51	Desktop, Printer and UPS	1	1.40
52	Multifunction printer for printing and scanning of OMR sheet	1	1.00
53	Identity Card printing machine	1	0.55
54	Stainless Steel Necropsy Table	1	1.20
55	Two sided fast scanner	2	0.60
56	Sheet Fed & Flat Bed scanner	1	0.50
57	Digital black and white photocopier	1	2.00
58	Laserjet Printer	1	0.30
59	Desktop Computer	1	0.98
60	High-end Desktop computer	1	1.90
61	High-end Laptop	1	1.80
62	Multi-Function Printer	1	0.95
63	VC Components (Ultra HD Web Camera with Microphone and Sound Bar)	1	0.30
64	Advance Data Acquisition System for Rodents	1	15.05
65	Dryer	1	0.60
66	Biosafety Cabinet Canopy complete with base flange and outlet spool collar.	2	0.55
67	Booster exhaust system for 2 sets of the Biosafety cabinets	1	0.42
68	Static sterile garment cubicle	1	1.56
69	Working Seat with Back rest Floor	3	0.31
70	Working Stool with telescopic & revolving arrangement	1	0.80
71	Rotary Evaporator system assembly	1	3.19
72	High Vacuum valve	1	2.29
73	Manual Vacuum Control	1	0.71
74	Chiller	1	0.77
75	Mag Stirrer with hot plate	2	1.42
76	Gas Oven (Small)	1	0.04
77	Commercial Mixer Grinder (2000 watts)	1	0.08
78	Trolley	1	0.05
79	Liquid Nitrogen Container with	1	2.45

	Racks and Boxes		
80	Auto-Duplex Fast Scanner	1	0.355
81	Laptop Computer	1	0.945
82	Paper Shredder Machine	1	0.30
83	Wall Bench (Size: L 1200 mm x W 750 mm x H 750mm)	2	0.780
84	Revolving chair of adjustable height with wheels	1	0.621
85	Table with Bottom Storage	2	3.100
86	Laboratory Sitting Table	2	1.600
87	L-Shaped Table	1	0.550
88	Chemical Storage Cabinet (Wall Mounted)	3	4.530
89	Island Bench	2	5.000
90	Wall Bench	3	3.960
91	Chemistry Workspace (fume hood with fume extraction system)	2	8.600
92	Glass door wall fixed top half unit length 15"	2	0.320
93	Glass door wall fixed top full unit length 15"	6	1.204
94	Glass door wall fixed top full unit length 8"	4	0.803
95	Glass door wall fixed top full unit length 13.6"	6	1.210
96	Glass door wall fixed top half unit length 13.6"	2	0.320
97	Revolving Stool with height Adjustable, with Back and High Base	3	0.180
98	Revolving Mid Back Chair without Armrest	3	0.225
99	Mid chair back	1	0.090
100	General purpose chair	3	0.210
101	High-back Revolving Chair of Adjustable height with Wheels	1	0.125
102	L-Shaped Sitting Height Granite Top Wall Table, 800 mm height X 750 mm depth X 2480 mm length with a Corner Table	1	1.034
103	Standing Height Granite Top Island Table, 900 mm height x 3630 mm length x 1800 mm depth	1	3.119
104	Sitting Height Granite Top Wall Table, 800 mm height X 4680 mm length X 750 mm depth	1	2.235
105	L-Shaped Standing Height Granite	1	5.142

	Top Wall Table, 900 mm height X 9600 mm length X 750 mm depth		
106	Spot Extractor with Blower and Ducting	3	4.005
107	Fixed Chair (Mid-Back)	18	1.350
108	High Rise Chair with Backrest	14	1.400
109	Microplate reader workstation Table (Standing)	1	0.850
110	Veterinary Hematology Analyser workstation Table (Standing)	1	0.805
111	Automatic Biochemistry analyser workstation Table (Standing)	1	0.805
112	Heavy workstation Table (Standing) two CO <sub>2</sub> incubators size	1	0.850
113	Heavy workstation Table (Standing) one CO <sub>2</sub> incubator size	2	1.617
114	Histopathology Staining & Slide Handling workstation Table (Standing)	2	1.674
115	Histopathology Sample Processing workstation Table (Standing)	2	1.825
116	Microtome workstation Table (Standing)	1	0.808
117	Heavy workstation Table for bench-top centrifuge (Standing)	2	1.674
118	Imaging Analysis workstation Table (standing)	2	1.674
119	Workstation Table for keeping Benchtop shaking incubator	2	0.754
120	Workstation Table for keeping Immune assay apparatus	1	1.509
121	Executive Office Chair (High Back)	5	0.600
122	PPE Storage Cabinet (Closed Type)	1	1.598
123	ISLAND Bench	1	1.810
124	Wall Bench Size: L 3550 mm x W 750 mm x H 900 mm	1	0.764
125	Wall Bench Size: L 2400 mm x W 750 mm x H 750 mm	1	0.595
126	Wall Bench Size: L 4525 mm x W 750 mm x H 900 mm	1	1.060
127	Wall Mounted Storage Cabinet Size: L 750 mm x W 350 mm x H 600 mm	1	0.570
128	ISLAND Bench Size: L 3050 mm x W 1500 mm x H 900 mm	1	2.215
129	Glassware Storage Cabinet Size: L	1	0.355

	1000 x D 450 x H 1830mm		
130	Const. Bypass type Bench Fume Hood(Size: L 1500 x D 915 x H 2300 mm)	1	2.752
131	Exhaust Fan (400 mm Dia) for 1500mm wide fume hood	1	0.828
132	Wall Bench Size: L 775 mm x W 750 mm x H 900 mm	1	0.383
133	Floor Standing Metal Storage Cabinet– Glass Door	4	1.400
134	Floor Standing Metal Storage Cabinet– Metal Door	5	1.250
135	Office/Executive Table: Office/Executive table with pedestal unit and modesty panel; MR/Marine ply top with double-side laminate	4	2.400
136	SS Shoe Rack: SS-304 open shoe rack	1	0.556
137	Computer table with keyboard tray, footrest; gable-type MDF understructure	15	4.500
138	Office/Executive Table: Office/Executive table with pedestal unit and modesty panel; MDF Board	1	0.600
139	Anti-Vibration Balance Table: Laboratory anti-vibration table compatible with analytical/micro balances, granite working surface	1	0.300
140	Stainless Steel Sink: BIS marked SS-304 rectangular 600LX450WX300D mm single bowl single drainer	3	0.210
141	Fume hood	2	8.600
142	Almirah for storage	1	0.281
143	Chairs	5	0.400
144	Desktop	1	1.500
145	Multi-function printer	1	
146	1 KVA UPS	1	
147	Laboratory wall table, 1950mmLx750mmDx900mmH, granite top (18mm) with a) 3 drawers, 6 shutters (600mm L), b) 4socket with 6/16 amp switches.	1	1.205
148	Laboratory wall table, 1950mmLx750mmDx900mmH,	1	1.252

	granite top (18mm) with a) 6 shutters (600mm L) containing an extra shelf, b) 4socket with 6/16 amp switches. The table contains reagent rack with 2 adjustable shelves 1.8 mt L		
149	Laboratory island table, 2100mmLx1500mmDx900mmH, granite top (18mm) with a) 2 drawers, 8 shutters (600mm L), b) 2 drawers, 8 shutters (750mm L). The table contains reagent rack with 2 adjustable shelves 1.8 mt L, c) 8 socket with 6/16 amp switches.	1	2.528
150	Laboratory wall table, 1950mmLx750mmDx900mmH, granite top (18mm) with a) leg space, b) 1 drawer, 1 shutter (450mm L), b) 1 drawer, 1 shutter (600mm L). c) 4socket with 6/16 amp switches.	1	1.004
151	Clean Cage Holding Mobile Trolley	3	1.378
152	Microscope for Pathology and Research	1	3.150
153	Digital Signage Display System with Wall / Ceiling Mountable Kit and HDMI Extension Kit	3	4.950

Next 3-5 Years			
S. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. in Lakhs)
1	Orbitrap - Liquid Chromatography Mass Spectrometry (LC-MS)	1	1000.00
2	Super Resolution microscope, STORM	1	500.00
3	FACS with sorter	1	300.00
4	FPLC	1	50.00
5	uPULSE - TFF	1	35.00
6	Multimode microplate Reader	1	30.00

7	Multiplex Western Blotting system	1	25.00
8	Milli Q Water	1	25.00
9	Fluorescent Microscope	1	25.00
10	Microtome	1	15.00
11	Shaker Incubator	1	12.00
12	Refrigerated Centrifuge	1	8.00
13	Desktop for R&D		50.00

**Table 2: Equipment for procurement during the FY 2025-26 and Next 3-5 years under CSIR-Funded Projects (CSIR Project Mode):**

Financial Year 2025-2026				
S. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. in Lakhs)	Project Number/Code
1.	Temperature-controlled shaker incubator	1	5.00	NWP
2.	Rocker	1	0.50	NWP
3.	Sterile laminar flow	1	2.00	NWP
4.	-20 degree refrigerator	1	1.00	NWP
5.	4 degree refrigerator	1	0.50	NWP
6.	Weighing machine	1	3.00	NWP
7.	pH meter	1	1.00	NWP
8.	Magnetic Stirrer	1	0.50	NWP
9.	Autoclave	1	0.50	NWP
10.	Gel electrophoresis apparatus and power pack	1	2.00	NWP
11.	PCR machine	1	3.00	NWP
12.	Microwave	1	0.20	NWP
13.	Vacuum pump	1	0.50	NWP
14.	Large-volume floor model Centrifuge	1	25.00	
15.	Xerox machine	1	1.00	HCP0101
16.	Benchtop Refrigerated Centrifuge	2	20.00	FCP512406
17.	LC-MS/MS Triple Quadrupole	1	235.00	FCP512406

	Mass spectroscope			
18.	HPC Cluster of 3 GPUs and 2 CPUs node with Rack and 10 KVA online UPS	1	45.00	FCP512406
19.	CO2 Incubator	1	16.00	FCP512406
20.	DEEP FREEZER (-80'C )	1	7.00	FCP512406
21.	Open Field Test (944000) Mouse Novel Object Recognition (908600) Water Maze (944000)	1	28.00	FCP512406
22.	INVERTED PHASE CONTRAST MICROSCOPE AND IMAGE ANALYSIS SOFTWARE	1	9.00	FCP512406
23.	UPRIGHT PHASE CONTRAST MICROSCOPE AND IMAGE ANALYSIS SOFTWARE	1	11.00	FCP512406
24.	Data center to enable GLP	1	10.00	FCP512406
25.	Multimode microplate reader	1	5.00	FCP512406
26.	Spectral Cell Sorter	1	400.00	MMP 075204
27.	Incubator Shaker with CO <sub>2</sub> Control	1	27.30	MMP 075204
28.	Preclinical Invasive Pulmonary Function Assessment Machine	1	42.00	MMP 075204
29.	In Vivo Imaging System	1	138.00	MMP 075204
30.	Mid-end computation servers	3	10.00	MMP075203
31.	Mid-end computation servers	2	4.431	MMP015203
32.	GPU server + CPU server	2	45.000	MMP 075203
33.	Storage System	1	5.000	MMP 075203
34.	Compute Server	1	10.000	MMP 075203
35.	GPU Server	1	21.584	MMP 015203
36.	Compute Server	1	5.000	MMP 015203
37.	Vacuum Pump	1	0.202	HCP 002502
38.	Temperature controlled shaker incubator	1	3.500	HCP 002502
39.	Custom- made temperature and light regulated plant tissue culture cabinet	1	1.888	HCP 002502
40.	Gel electrophoresis apparatus with power pack	1	0.995	HCP 002502
41.	4 Degree refrigerator	1	0.415	HCP 002502
42.	Rotary mixer	1	0.340	HCP 002502
43.	Polymerase chain reaction machine	1	3.499	HCP 47

44.	2 KVA Long Backup UPS system with six numbers of 12V, 42 AH battery and MS Rack, cables	1	0.616	FCP512406
-----	---	---	-------	-----------

Next 3-5 Years				
S. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. in Lakhs)	Project Number/Code
	None	N/A	N/A	N/A

**Table 3: Equipment for procurement during the FY 2025-26 and Next 3-5 years under Externally Funded Projects (EFP):**

Externally Funded Projects (EPF)				
S. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. in Lakhs)	Project Number
1	Live-cell imager and analyser	1	236.94	GAP 490
2	Ultra performance liquid chromatography-photo diode array single quadrapole mass spectrometer	1	125.10	GAP 490
3	High throughput recycling preparative HPLC	1	49.99	GAP 490
4	Ultracentrifuge	1	40.00	GAP477
5	Multimode microplate reader including fluorescence, luminescence attachments	1	28.91	GAP 490
6	Gel documentation and Imaging system	1	20.00	GAP 487
7	Benchtop refrigerated centrifuge	1	3.00	GAP464
8	Liquid Nitrogen Tank	1	3.00	GAP 487
9	Magnetic cell sorting equipment	1	2.00	GAP 487
10	Low Volume Spectrophotometer	1	9.00	GAP 467

11	Biosafety cabinet	1	6.50	GAP 493
12	Upright Frost-Free – 20 °C Deep Freezer	1	0.80	GAP 493
13	Analytical Weighing Balance	1	1.20	GAP 493
14	Fluorescent, chemiluminescent and colorimetric based imaging system	1	25.00	GAP 499
15	Sonicator probes (1/2" and 3/4") with booster horn and replacement ribs	1	4.00	GAP 499
16	Network Attached Storage of 128TB:2U 12Bay with 800W RPS, 1*16 core processor, 128GB RAM, 18TB * 10Nos SAS Enterprise HDD (Usable 130TB on Raid 6)	1	6.126	GAP 472
17	Micro volume spectrophotometer with a capacity of studying multiple samples simultaneously	1	6.999	GAP 475
18	Room temperature centrifuge:	1	3.988	GAP 494
19	4 C refrigerator with internal plug point	1	0.997	GAP 494
20	UV/visible 96 well plate reader	1	7.988	GAP 494
21	Inverted fluorescence microscope with camera	1	9.995	GAP 494
22	Ultra Low temperature deep freezer (-86 degree Celsius)	1	9.495	GAP 497
23	Workstation	1	4.504	GAP 497
24	Real Time PCR System	1	14.750	GAP 491
25	CO2 Incubator	1	4.991	GAP 491
26	Incubator Shaker	1	12.98	GAP 490
27	Genome Station	1	10.486	GAP 502
28	Bench top single cell analysis system	1	35.132	GAP 483
29	Refrigerated large volume floor standing incubator shaker	1	15.00	GAP 468

**Note:**

- The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of competent authority.

- The procurement is subject to the funds availability/release of sufficient grant from CSIR / or funding agency.
- The costs indicated as above are approximate/estimate cost only.

**[CSIR-INDIAN INSTITUE OF CHEMICAL BIOLOGY]**

**Procurement Plan**

**[Financial Year 2025-26]**

**[B] Consumables:**

The following categories of consumables are likely to be procured during the FY 2025-26.

**Table 3:** Consumables likely to be procured during **Financial Year 2025-26** (Annual):

<b>S. No.</b>	<b>Category</b>	<b>Expected Procurement Value (Rs. In Lakhs)</b>
1	Chemicals (ex.- Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, Antibodies, 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)	1464.00
2	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, Jmjd3flox mice, B6(Cg)-Pigrtm1.1Srmr/J mice etc.)	250.00
3	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 etc.)	100.00
4	Plastic wares (ex- Plate, Dish, peptide, 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 $\mu$ l, 200 $\mu$ l, 1000 $\mu$ l without or with filters,	80.00

	companion plates, Inserts with 1 µm pores, Combs for scratch, Filters, syringes, Vacuum tubes, 15 ml and 50 ml sterile conical tubes etc.)	
5	Cartridges, Batteries (Cartridges of different types of printers eg 12a, 78A, 88A etc)	8.50
6	Gases (ex- Nitrogen, Helium, Oxygen etc)	70.00
8	Maintenance/AMC/repairing of existing equipment	250.00
9	Stationary items (Printer Papers, Adhesive tapes, Scissors, Pen, Markers, Parafilm, staplers etc)	27.50
10	IT / software-related Items (Shrodinger software suite, FlowJo Academic Portal, Biorender, SPSS, Adobe Photoshop, Graphpad Prism, Anti-Virus S/w liscence, OS liscence, EndNote, MATLAB by Math Works, Adobe Acrobat, Discovery Studio – selected modules, KEGG, Single-user liscence, Dropbox, ChemDraw Professional/ Chem, Office Suite Software, Media Converters, Media Switches, HDMI Splitters, Wi-Fi Adapters, Network Switches, Removable USB Storage, UTP Cat6 Cable, RJ 45 Connectors, HDD, SMPS, RAM, SSD, Graphics Card, External/ Internal Hard Disk, Processor, Motherboard, Air Cooler, Pendrive, Mouse, Keyoard, Cables, Adapters, Docking Stations, HDMI/ Display Port Cables and Adapters, KVM Switch, Network Cables, UPS Batteries, G-Suite for Education for the domain csiriicb.res.in and DNS Services subscription etc.)	330.00
11	Furniture (Name the items required during year)	
13	Electric Items (Tube lights, UV lights)	10.00

**Note:**

- The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of competent authority.
- The procurement of the chemicals & consumables would be based on the need and time to time requirement of the R&D activities of CSIR-IICB
- The procurement is subject to the funds availability/release of sufficient grant from CSIR / or funding agency.
- The indicated procurement value is an estimate only.

This is issued with the approval of the competent authority.