

**CSIR-CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY
HYDERABAD
PROCUREMENT PLAN***

(*Please read the note given at the end)

A	FOR THE FINANCIAL YEAR 2026-27
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A (a)	EQUIPMENT
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(i)	Equipment:
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Sr. No.	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1.	Liquid Nitrogen plant	2	400
2.	GPU nodes for existing HPC cluster	4	200
3.	HPC system for Lacones	1	40
4.	Data archival system (tape based)	1	
5.	Laser Scanning Confocal Microscope	1	300
6.	Cell Analyser (Flow cytometer)	1	150
7.	-80 freezers	15	175
8.	Cell sorter (Flow Cytometer)	1	400
9.	Mass Photometry	1	250
10.	Upgradation of Imaris image analysis Software for AMIF	1	20
11.	Incubator shaker	3	60
12.	Mini bead beater	2	15
13.	UPS systems	5	50
14.	Upright Microscope with Fluorescence, DIC and imaging setup for AMIF	1	50
15.	AV systems and accessories	1	20
16.	CO2 incubators	5	35
17.	Bio safety cabinets	5	35
18.	Single beam UV/Vis spectrophotometers	2	10
19.	Refrigerated Centrifuges	5	35
20.	Autoclave	2	30
21.	-30/-20 freezers	6	30
22.	Flow Cytometer	1	200

(ii)	Equipment: Out of CSIR Funded Projects
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Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)

(iii)	Equipment: Out of Externally Funded Projects (EFP)
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Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)

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 Project (EFP)	Total (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer)	Grids, clips etc for CryoTEM			20
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)				75
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.)				45
4	Glass wares (ex- name the different glass wares)				80
5	Plastic wares (ex- Name the different plastic wares)				70
6	Toner Cartridges.				80
7	Batteries, etc.				20
8	Gases (ex- tentative names)	Liquid Helium for NMR			25
9	Maintenance/AMC/repairing of existing equipment				200
10	Stationery items (ex- name a few)				40
11	IT / software-related Items (Name the items required during year)				25
12	Furniture (Name the items required during year)				90
13	Electric Items (Name the items required during year)				40

B	FOR NEXT 2-4 FINANCIAL YEARS (2027-2031) (From 01/04/2027 to 31/03/2031)
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B (a)	EQUIPMENT
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Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1.	Confocal Microscope	1	400
2.	High Content screening system	1	400
3.	Small Animal imaging system	1	500
4.	Cell sorter	1	400
5.	DNA sequencer (sanger)	1	300
6.	Spinning disk confocal	1	350
7.	Milli Q water systems	5	90
8.	Floor model High speed centrifuges	3	100
9.	Ultra Centrifuge	1	95
10.	-80 Freezers	20	160
11.	RT PCR for LaCONES & CRF	2	55
12.	CD machine	1	150
13.	Integrated Inverted Fluorescence Microscope for AMIF	1	40
14.	Liquid Nitrogen plant	1	375
15.	100 KVA UPS system-2	1	60
16.	-20/-30 freezer	10	40
17.	Accessories for Q Exactive mass spectrometer	1	5
18.	Adapter buckets (50ml and 15ml tarson tubes)	1	1.85
19.	Agarose gel electrophoresis setup (withpower pack)	1	2
20.	All-In-One Micro volume and Cuvette Absorbance with Fluorescence Design spectrometer	1	12
21.	Auto sampler cooling compartment Spare for the existing Easy nLC-1200 (Thermo)	1	25
22.	Auto-tissue sample processor	1	20
23.	Balance Top loading	1	1
24.	Bath sonicator	1	1.5
25.	Bead bath	1	3
26.	Benchtop refrigerated centrifuge	1	6
27.	Binocular Stereo Microscope (3 nos.)	1	5
28.	Blotting apparatus	1	0.25
29.	Bone/hard Tissue homogenizer - MILLMIX 20	1	10

30.	Cell counter (Cell Drop™ Automated CellCounters);	1	10
31.	Cell culture hood x 2	1	8
32.	Cell density meter	1	2
33.	Centrifuge with 96 well block	1	17
34.	Chemical hood	1	5
35.	CO2 incubator for adherent cultures	10	60
36.	Cold cabinet large	1	2.5
37.	Cold Chamber (-30°C)	1	4
38.	Combo plate reader and UV-visible-Near IRwavelength range spectrophotometer, with dedicated cuvette port, micro-litre volume analyser	1	12
39.	Cryogenic tank for cell and embryo freezing(Imported)	1	5
40.	Desktop centrifuge	1	3
41.	Desktop centrifuge with adapter	1	4
42.	Desktop computers (5 Nos.)	1	3
43.	Desktop refrigerated centrifuge	1	5
44.	Desktop work station- 2 units	1	2
45.	Digital camera/memory card	1	0.5
46.	Double Stage Pressure Regulator for mixedgas cylinder	1	0.2
47.	Drosophila Growth chamber (2 nos.)	1	12
48.	Dry block heaters (2 Nos.)	1	0.8
49.	Dry Shipper (Liquid Nitrogen Container) Vol:25-30L [Transportation type]	1	1
50.	ELISA Plate Reader	1	7
51.	FESC system (HPLC system with two fluorescence detectors, degasser,	1	45
52.	Fine weighing balance	1	2
53.	Fire Alarm	1	10
54.	Flake ice making machine	1	5
55.	Fluorescence stereo microscope with attachments and software for imaging	2	70
56.	Gel Rocker (4 Nos)	1	4
57.	Homogenizers /French press	1	0.5
58.	Horizontal Electrophoresis gel tanks, traysand combs	1	0.8
59.	Hot air ovens (6 Nos.)	1	6
60.	Ice machines (6 Nos.)	1	30
61.	Incubating Micro-plate sgate	1	3
62.	Incubator Shaker with Plate holder	1	10
63.	Inverted fluorescent microscope (non-motorized)	1	25

64.	Inverted microscope	1	5
65.	Inverted phase contrast microscope with 10x,20x, 40x phase. Objectives & digital camera with software & computer	1	10
66.	IPA Analysis Match Explorer - LNUL 100Datasets subscription (Single User)	1	7.1
67.	Laminar air flow chamber with HEPA filters	1	1
68.	Laminar Flow Hoods	1	8
69.	Laminar hood	1	6
70.	Large Volume centrifuge with three rotors	1	13
71.	Liposome preparation mini extruder along with its accessories	1	1
72.	Liquid nitrogen dewars (35-50 L)	1	4
73.	magnetic stands for microfuge tubes	1	0.2
74.	Magnetic stirrer and heater	1	0.4
75.	Magnetic stirrers (3 nos.)	1	3
76.	Mammalian 3-stack incubator shaker;	1	60
77.	Mammalian incubator shaker (small) X 2	1	7
78.	Mechanical shaker for 96 well blocks and adapter	1	1
79.	Micro balance	1	5
80.	Micro-centrifuge	1	12
81.	Microfuges	1	0.6
82.	Micro-litre volume analyser and plate reader	1	10
83.	Mini centrifuge	1	3.5
84.	Mini spin	1	1.5
85.	Mini Spin-1.5ml X 12 well slot: adapters for 0.5ml and 0.2ml [one set each] speed 6000rpm or more, voltage 230/50hz, AC-1 No.	1	1
86.	Mini vortex : Adapters for 96 well plate and 2.5ml tubes and 3mm popup cup for vortexing the tube	1	0.25
87.	Mounted Cryo-loops (different sizes)	1	1.5
88.	Multichannel pipette- Eppendorf	1	0.75
89.	Multi-channel pipettor	1	1
90.	Multimode Microplate reader	1	15
91.	Single beam UV/Vis spectrophotometers	2	20
92.	Network Devices – Switches, wireless routers, routers, fiber modules	1	25
93.	Neutating mixer	1	0.3

94.	PCR machine	1	5
95.	PCRs (one gradient) – (2 Nos)	1	10
96.	Peristaltic pump	1	3
97.	pH meter – (3 Nos)	1	3
98.	Pipet man Set – (7 Nos)	1	11.2
99.	Pipette sets	1	2
100.	qRT PCR	1	26
101.	Rack server	1	2
102.	Refrigerated centrifuge	1	7
103.	Refrigerated Centrifuge (2 nos.)	1	13
104.	Refrigerated centrifuge with interchangeable fixed angle and swinging bucket rotors for variable sample volumes	1	13
105.	Refrigerated incubator shaker	1	13
106.	Refrigerated shaking incubator with provision for removable trays for incubating plates. Table top model;	1	10
107.	Refrigerated, bench-top centrifuge with interchangeable fixed angle and swinging bucket rotors for variable sample volumes, along with adapters and other accessories	1	13
108.	Refrigerator (2)	1	0.6
109.	Rotospin (2)	1	0.6
110.	SDS - Vertical gel electrophoresis unit with power supply	1	2
111.	SDS-PAGE setup (with power pack)	1	2
112.	Self-pressurizing Liquid N2 Dewar	1	12
113.	Single channel UV visible spectrophotometer for nano samples	1	10
114.	Sonicator	1	2
115.	Surveillance Camera	1	5
116.	Table top Centrifuge x 2	1	8
117.	Table top centrifuge Refrigerated with 1.5 ml rotor (2 Nos)	1	10
118.	Table top hot air oven (18 x 18 inch) 2 units	1	0.55
119.	Telephone instruments and cables	1	1.25
120.	Temperature controlled incubator	1	5
121.	Thermal cycler -dual block	1	0.5
122.	Thermomixer (2 Nos.)	1	6
123.	Tissue Homogenizer (bead beater)	1	10
124.	Trans illuminators/ UV and visible range	1	3
125.	Trinocular Stereo Microscope with Fluorescence Bright field	1	30

	imaging, movable stage, high-resolution in-depth imaging system with Camera		
126.	Ultrasonic probe sonicator	1	8
127.	Vacuum centrifuge (temperature controlled)	1	10
128.	Vacuum manifold	1	2
129.	Vortex	1	0.2
130.	Vortex	1	0.3
131.	Vortex mixer	1	1
132.	vortex with 3-inch platform	1	0.2
133.	Water bath	1	1.5
134.	Weighing balance (4 decimal places)- 1 unit	1	1.5
135.	Western Blot Apparatus	1	3
136.	Wireless access points, controllers, switches	1	5
137.	Workstation (Linux-based)	1	2
138.	Dried Blood Spot (DBS) puncher	1	13
139.	Automated electrophoresis system	1	20
140.	Digital PCR system	1	75
141.	Micro CT	1	700
142.	FPLC system	1	40
143.	Flow Cytometer	1	200

23.B (b)		24.CONSUMABLES
Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (by equipment name)	3000
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	4000
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.)	3000
4	Glass wares (ex- name the different glass wares)	300
5	Plastic wares (ex- Name the different plastic wares)	2000
6	Toner Cartridges.	300
7	Batteries, etc.	200
8	Gases (ex- tentative names)	150
9	Maintenance/AMC/repairing of existing equipment	900
10	Stationery items (ex- name a few)	200
11	IT / software-related Items (Name the items required during year)	700

12	Furniture (Name the items required during year)	450
13	Electric Items (Name the items required during year)	200

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.