

**[CSIR-Central Drug Research Institute]
PROCUREMENT PLAN***

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

A	FOR THE FINANCIAL YEAR 2025-26
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A (a)	EQUIPMENT
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(i)	Equipment: Out of CSIR Infra Grant
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Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1.	UHPLC HRMS SPECTROMETER	1	300
2.	Confocal Microscope	1	300
3.	BSL-3	1	1,000
4.	Spectral Flow Sorter	1	550
5.	Liquid Nitrogen plant	1	450
6.	High Content Analysis System	1	350
7.	Echocardiography for mouse and rats	1	200
8.	Fully motorized Inverted Microscope with optical sectioning by structured illumination	1	159
9.	Stability Chamber	1	65
10.	Upright microscope with 100X magnification, with epifluorescence attachment	1	65
11.	Inhalation exposure chamber (Aerosol machine) with accessories	1	65
12.	Micromanipulator	1	62
13.	HPLC	1	60
14.	HPLC	1	60
15.	Flow-Through Cell Dissolution Tester (USP Apparatus 4)	1	55
16.	Ultra Centrifuge	1	50
17.	Hot melt extrusion (lab scale)	1	50

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
18.	Refrigerated shaker incubators	2	50
19.	Table-top ultracentrifuge	1	50
20.	Ultracentrifuge	1	45
21.	Rotaryevaporator (20 liters) with pump and chiller	1	45
22.	Lypholizr big	1	40
23.	Servers (Quantity 4)	1	40
24.	Lyophiliser	1	40
25.	Hot melt extrusion (mini)	1	40
26.	Micronizer/Milling instrument (Jet or Hammer Mill) (lab scale)	1	40
27.	Roller bottle apparatus with incubator 2Nos	1	40
28.	Inverted fluorescent Microscope	1	40
29.	Cryostat	1	35
30.	3D Bioprinting equipment or 3D Bioprinter	1	35
31.	Inverted Fluorescence microscope With 10, 40, 60, 100X –Dice-4 filters- with digital capture capacity and analysis software	1	33
32.	Real Time PCR	1	30
33.	HPLC Analytical	1	30
34.	Multi-mode plate reader with accessories Multimode Reader with - UV-V1S Absorbance, Fluorescence and luminescence	1	30
35.	Inverted Fluorescence Microscope	1	25
36.	Laser Doppler Flow Meter (LDF) for Cerebral Blood Flow in ischemia studies in rat and mice.	1	23
37.	High Speed Centrifuge	1	20
38.	Real-time PCR machine	1	20
39.	20 TB Storage	1	20
40.	Microtome	1	20

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
41.	Fluorescence Microscope	1	20
42.	Multimode plate reader	1	20
43.	Inverted microscope	1	20
44.	Refrigerated bacterial incubators with shelf space for 1000 petri-plates	1	20
45.	Non-refrigerated bacterial incubators with shelf space for 1000 petri-plates	2	20
46.	French Press	1	20
47.	CO2 incubators	2	18
48.	Miscellaneous minor equipments (4°C Refrigerators, vortexes, non-refrigerated centrifuges, dry block heaters, orbital shakers, weighing balances etc.)	1	18
49.	Deep Freezers (-20)	4	16
50.	Upright microscope for phase contrast, and bright-field imaging, upgradable to fluorescence with professional grade image analysis software	1	15
51.	Geldoc system	1	15
52.	High-speed centrifuge with biosafety accessories Rotors: Fixed angle rotor: 24x2.0ml, Swing out Rotor and adapters for 15ml, 50ml and 250 ml tubes.	1	15
53.	High-speed refrigerated benchtop centrifuge Maximum RPM: 14000/ adjustable from 1000 to 14000 Maximum capacity: For 5ml tubes and for 1.5/2.0 ml (double rotors)	2	15
54.	Bead beaters	2	15
55.	Light Microscope with camera	1	15
56.	RT-PCR	1	15
57.	Microvolume Spectrophotometer	1	14
58.	Homogenizers with probes and accessories	2	14
59.	Nano drop	2	20
60.	BSL -2	1	12
61.	Deep Freezers (-80)	1	12
62.	Luminometer	1	12

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
63.	UV Spectrometer with microvolume accessory	1	11
64.	CO2 Incubator	1	10
65.	Micro Balance	1	10
66.	Injet printing	1	10
67.	Ultra Deep Freezer/ -80 Degree	1	10
68.	Real-time PCR	1	10
69.	CO2 Incubator	1	10
70.	Electroporators	1	10
71.	Spectrophotometer	2	10
72.	deep freezer -80 C (upright) 400-700 litre	1	10
73.	Liquid Nitrogen tank with sensor (Thermo Locator 4+)	1	10
74.	Biosafety Cabinet II for cell culture	1	9
75.	Chiller (-78oC)	1	9
76.	3D Printer	1	9
77.	Tabletop Refrigerated Centrifuge with 4 different rotors capable of handling 50 ml, 15ml, 2.0ml, 1.5ml tubes, and 96 well plates.	1	9
78.	Single punch tablet compression machine	1	8
79.	Constant Low temperature bath (-80 oC-0 oC)	1	8
80.	Nano-LC/Evosep coupled to Mass Spectrometer—for Proteomics facility	1	7
81.	Sprectophotometer	1	7
82.	Thermal cycler	1	7
83.	Swing out refrigerated centrifuge	1	6
84.	Low temperature reaction bath (-80 °C)	1	6
85.	Stereotaxic apparatus	1	6
86.	Inverted Microscope	1	6
87.	Oil based vacuum pump	1	5
88.	Semi-Micro Balance	1	5

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
89.	Polarimeter	1	5
90.	Tabletop NMR (with flow function)	1	5
91.	Microparticle spray congealing	1	5
92.	LN2 can	1	5
93.	Bacteriological Incubator	1	5
94.	Thermal cycler	1	5
95.	Bio Rad Gel Electrophoresis Unit with power supply unit (Protein -02/ DNA-01)	1	5
96.	Ultra-High Performance Liquid Chromatography—High Resolution Mass Spectrometer with DESI/IMS facility	1	5
97.	Work stations (number =3)	1	4
98.	-20 degree Deep Freezer	1	4
99.	Rotary evaporator	1	4
100.	Multi-Position magnetic stirrer with hot plate-10 station	1	4
101.	Bright field Microscope with imaging capacity 10, 20, 40 / 60 x	1	4
102.	Orbiteck Shaker incubator	1	4
103.	Multiscan ELISA reader	1	4
104.	Column Oven	1	4
105.	Thermal Cyclor	1	4
106.	Confocal based Super resolution microscope	1	3
107.	Vacuum pump with controller for rotary evaporator	1	3
108.	Rotary evaporator	5	30
109.	Multistation magnetic stirrer	1	3
110.	Cabinet type Desiccator	1	3
111.	Scanning electron microscope (SEM)	1	3
112.	Tissue homozinizer	1	3
113.	Heating magnetic stirrers	15	5
114.	Recirculating chiller	1	2
115.	Multi tube vortex shaker	2	4

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
116.	Gas chromatography/quadrupole time-of-flight mass spectrometry	1	2
117.	Liquid Chromatography with tandem mass spectrometry (LC-MS/MS)	1	2
118.	Computer with Printer	1	2
119.	Good quality Rocker-shaker (rust-resistant and can work in a cold room)	1	2
120.	Vacuum Pump (1 no.)	1	2
121.	Melting point apparatus	1	2
122.	Vacuum Pump FD20 (not for rotavapor)	1	2
123.	Recirculating chiller for rotary evaporator	1	2
124.	Bulk & Tab Density Apparatus	1	2
125.	Precision weighing machine	1	2
126.	Desktop Computers	20	20
127.	Multifunctional Printers	10	5
128.	Laptops	10	10
129.	Refrigerator double door	5	5
130.	pH Meter	1	1

(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	Microscope camera	1	MMP075201	8.00
2	Ultra low freezer (-80 degree)	1	FBR030307	5.00
3	Aerosol Chamber	1	AMR Mission	65.00
4	Smart Class Set up	2	HCP002502	80.00
5	Computer cluster	15	HCP002502	
6	Color Printer	1	HCP002502	
7	I card Printer	1	HCP002502	
8	Microtome machine	1	HCP002502	
9	-20 deg Freeze and 4 deg refrigerator	1	HCP002502	
10	Gel doc – Genotyping studies	1	HCP002502	
11	3-D Bioprinter (~30 L)	1	HCP002502	
12	pH Meter	1	HCP002502	
13	Weighing balance	1	HCP002502	
14	PCR machine	1	HCP002502	
15	Centrifuge	1	HCP002502	
16	Biosafety Cabinet	1	HCP002502	
17	CO2 incubator	1	HCP002502	
18	Petty equipments like vertexer, shaker, rotator,	1	HCP002502	
19	Video camera / Live Camera, Video recording set-up.	1	HCP002502	
20	Preparative HPLC	1	API II	41
21	Solvent Purification System	1	API II	25
22	Mixer Mill- Ball Mill	1	API II	10
23	Overhead Stirrer/mechanical Stirrer	1	API II	2
24	Photoreactor	1	API II	5
25	Low temperature reaction bath (Refrigerated/ heating circulator)	1	API II	8
26	Rotary Evaporator (including chiller and vacuum pump)	2	API II	16
27	Magnetic stirrer with heating with digital temp controller	6	API II	4.5
28	Recirculatory Chiller	2	API II	3.0
29	Deep Freezers of -80° C	2	MICROBIOME MISSION	15
30	Real-time PCR machine with necessary accessories and power backup support.	1	MICROBIOME MISSION	45
31	Data storage server with the necessary accessories and offline computer.	1	MICROBIOME MISSION	35

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
32	GPU Computer	1	MICROBIOME MISSION	15
33	Seven Workstation Computers/ Laptops	1	MICROBIOME MISSION	10
34	Automated DNA/ RNA Extractor (Insta NX(R) Mag32)	1	MICROBIOME MISSION	10
35	DIC and Fluorescence microscope with imaging work station having Motorized Z focus and XY motorized, close distance working lenses and associated accessories.	1	MICROBIOME MISSION	70

(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.	Automated DNA/RNA oligonucleotide synthesizer	1	CLP9004	40.00
2.	UV Transilluminator	1	CLP9004	1.00
3.	Gel Electrophoresis and minor lab equipment	1	CLP9004	2.00
4.	Ultra-high-performance liquid chromatography-high-resolution mass spectrometer (LC-MS system) with accessories	1	GAP0003	600.00
5.	Bench Top Shaker Incubator	1	GAP0428	9.40
6.	Biophotometer Plus	1	GAP0428	
7.	Spectrophotometer	1	GAP0428	
8.	CO2 Incubator	1	GAP0428	
9.	Protein Gel Running Apparatus	1	GAP0428	
10.	Refrigerated Micro-centrifuge	1	GAP0428	
11.	Heating magnetic Stirrer-2	2	GAP0460	18.00
12.	Recirculating chiller-1	1	GAP0460	
13.	Gas chromatography-1	1	GAP0460	
14.	Refrigerator-1	1	GAP0460	
15.	Desktop and printer-1	1	GAP0460	
16.	Power pack for western blotting (X2)@80000 each	1	GAP0463	16.60
17.	Inverted fluorescent microscope with Z stacking	1	GAP0463	
18.	Vacuu-brand vacuum pump with controller-1	1	GAP0465	19.90
19.	Recirculating chiller-1	1	GAP0465	
20.	Rotary evaporator full set-1	1	GAP0465	
21.	Refrigerator-1	1	GAP0465	
22.	Laboratory Electric oven-1	1	GAP0465	
23.	Biosafety Cabinet (BSL2)	1	GAP0477	100.00
24.	Shaker incubator	1	GAP0477	
25.	Fluorescence microscope	1	GAP0477	
26.	Rotaevapor, chiller, stirrer, fridge, Autoclave, inverted light microscope with 10X and 20X objectives and camera. NIS-elements D software for existing Nikon fluorescent microscope	1	GAP0485	13.00
27.	Ice flaking machine	1	GAP0487	2.00
28.	-20 degrees deep freezer	1	GAP0487	1.15
29.	Camera along with computer for Inverted Microscope	1	GAP0487	1.85
30.	Refrigerated centrifuge with rotors	1	GAP0487	10.00

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
31.	Bio safety Cabinet (BSL-2), Shaker incubator, Flourescent Microscope	1	GAP0490	100.00
32.	Rotary evaporator	1	GAP0491	4.00
33.	Recirculating Chiller	1	GAP0491	1.99
34.	Dry Bath Incubator (Double Block)	1	GAP0491	0.75
35.	Centrifugal Vacuum Concentrator	1	GAP0500	13.70
36.	Centrifugal Partitioning Chromatography with Preparative LC System and MS interface	1	GAP0500	180.26
37.	Rotavapor with a vacuum pump, controller, and Chiller x 2 Sets	2	GAP0500	14.00
38.	Flash Chromatography System with an integrated TLC image reader	1	GAP0500	17.00
39.	GPU Server	1	GAP0500	12.80
40.	Marine Lit Database	1	GAP0500	14.00
41.	Server for hosting of research data	1	GAP0500	12.50
42.	Desktops (3 No)	3	GAP0500	2.08
43.	Flow cytometer	1	GAP0500	130.00
44.	CO2 incubator (7 No)	7	GAP0500	49.56
45.	Ultra Low Temperature Deep Freezers (2 No)	2	GAP0500	24.00
46.	Fluorescence Microscope	1	GAP0500	30.68
47.	High End Research Microscope with Ca++ Imaging Application	1	GAP0500	74.99
48.	Chemdoc (2 No)	2	GAP0500	50.00
49.	Multimode Microplate Reader	1	GAP0500	27.14
50.	Sonicator	1	GAP0500	9.44
51.	Ultra Centrifuge	1	GAP0500	7.08
52.	Probe Sonicator	1	GAP0500	3.79
53.	Vertical Autoclave	1	GAP0500	1.48
54.	Vertical Electrophoresis Cell system	1	GAP0500	1.20
55.	Vertical electrophoresis gel system, transfer assembly and basic power pack supply	1	GAP0500	2.49
56.	Micro Centrifuge	1	GAP0500	1.39
57.	Upright Showcase,Freezer (-4 degree)	1	GAP0500	0.65
58.	PCR	1	GAP0500	2.50
59.	Liquid Nitrogen Tank	1	GAP0500	2.50
60.	Tissue Homogenizer	1	GAP0500	1.44
61.	Refrigerator	1	GAP0500	0.50
62.	-20 Degree Freezer	1	GAP0500	1.39
63.	Incubator Shaker	1	GAP0500	2.50
64.	Upright (-20°C) Freezer	1	GAP0500	0.88
65.	Rocking shaker	1	GAP0500	0.55
66.	-4 Degree Freezer	1	GAP0500	0.65
67.	Liquid Nitrogen Tank	1	GAP0500	2.50
68.	Balance AUW 220D	1	GAP0500	1.80
69.	PH Meter	1	GAP0500	0.70

Sr. No	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Project Number/ Code	Approximate Cost (Rs. In Lakhs)
70.	Sonicator	1	GAP0500	2.50
71.	2-8°C & -10 to-26°C deep freezer	1	GAP0500	2.48
72.	Ice Flaking Machine	1	GAP0500	1.77
73.	Analytical Balance	1	GAP0500	1.42
74.	Nitrogen Tank	1	GAP0500	2.36
75.	Power Supply	1	GAP0500	0.85
76.	4°C Freezer	1	GAP0500	0.65
77.	Rocking Shaker	1	GAP0500	0.55
78.	Ice Flaker	1	GAP0500	1.77
79.	Autoclave	1	GAP0500	1.56
80.	Centrifuge	1	GAP0500	0.44
81.	Electrophoresis system	1	GAP0500	1.94
82.	LN2 Container	1	GAP0500	5.00
83.	HPLC	1	GAP480	40.00
84.	Shaker Incubator & accessories	1	GAP480	25.00
85.	Multimode Plate Reader	1	GAP480	22.00
86.	Biosafety Cabinet 3	3	GAP480	24.00
87.	Miscellaneous Instruments (Refrigerators, freezer, micro centrifuge, rota vapour & accessories, orbital shaker, balances, Magnetic stirrer PH meter, Computer, Printers & Projectors)	1	GAP480	30.00
88.	Ice Flake Machine	1	GAP480	2.50
89.	Flow cytometer, Pressure Volume System, Clamps, Microscope for tissue culture & minor equipment	1	GAP481	300.00
90.				
91.				
92.				

A (b)	CONSUMABLES
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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 1. NMR 2. Mass 3. Electron Microscopy 4. X Ray 5. Biacore	150.00		50.00	200.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	300.00	300.00	800.00	1400.00
3	Other Consumables (ex- Animal Feed, 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, Protease Chemical library, FDA-approved drug library, microneedle mold, etc.)	510.00	300.00	877.00	1687.00
4	Glass wares (ex- name the different glass wares)	100.00	100.00	200.00	400.00
5	Plastic wares (ex- Name the different plastic wares)	100.00	100.00	200.00	400.00
6	Toner Cartridges.	40.00		2.00	42.00
7	Batteries, etc.	30.00			30.00
8	Gases (ex- tentative names)	30.00		2.00	32.00
9	Maintenance/AMC/repairing of existing equipment	200.00	50.00	15.00	265.00
10	Stationery items (ex- name a few)	45.00	5.00	5.00	55.00
11	IT / software-related Items: Schrodinger Software for Molecular Modelling, CRESSET software, etc			16.00	16.00
12	Furniture (Name the items required during year)	25.00			25.00
13	C57BL/6NCya-HVCN1/Em1 knockout mouse		12.00		12.00
14	Electric Items (Name the items required during year)				

B	FOR NEXT 2-4 FINANCIAL YEARS (2026-29) (From 01/04/2026 to 31/03/2029)
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B (a)	EQUIPMENT
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Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost
1	LC-MS	1	450.00
2	3D Bioprinting equipment or 3D Bioprinter	1	35.0
3	Probe sonicator with cup-horn assembly	1	14.00
4	Stereotaxic Instrument for Rats	1	10.00
5	Heidolph Mild Steel Vacuum Pump, Air Tank Capacity 2.03 LITER	1	5.00
6	stereo microscope	1	2.50
7	64 Channel NVR with (10x4) 40 TB raw storage	1	2.25
8	Deep freezer (-20 degree)	1	1.50
9	IR	1	1.48
10	Oil Radiators	1	1.32
11	Hostel CCTV Cameras	1	0.50
12	Microscope	1	15.00
13	Refrigerator Centrifuge	1	8.00
14	Particle Size Analyser	1	84.80
15	Single Quadrupole Mass Detector	1	100.00
16	Ultra Low Temperature Deep Freezer	1	7.00
17	3D Bio-printing for organ, organoid and tissue printing for replacement or reduction of bioactivity profiling in animal models.	1	30.00
18	Camera for fluorescence microscope (Lieca)	1	3.00
19	Inverted Microscope	1	5.00
20	GloMax® Explorer Multimode Microplate Reader	1	30.00
21	High Content Analysis System	1	340.00
22	Anaerobic Incubator Cum Workstation	1	15.00
23	Fluorescence Microscope	1	25.00
24	MS Directed Purification Facility (MSDpF)	1	350.00
25	Refrigerated centrifuge for protein applications	1	18.00
26	Refrigerator incubator shaker	1	5.50
27	IVC cage for Malaria work	1	18.00
28	Cage changing station	1	4.00
29	Upgrade of Existing Nikon fluorescent microscope	1	8.50
30	Ice machine	1	7.60
31	IVC cage for Filariasis work	1	18.00
32	Cage changing station for Filariasis work	1	4.00

Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost
33	IVC cage for Leishmaniasis work	1	18.00
34	Cage changing station	1	4.00
35	Water cooler with purifier	1	0.75
36	Ice maker machine	1	4.00
37	PCR Machine	1	4.00
38	IVC cage system for metabolic Disorders work	1	18.00
39	qPCR machine for multiple Breast cancer projects (Most essential) There is none in LSN ground floor.	1	15.00
40	-80 Freezer (Present one broken down and not repairable) (Most essential)	1	8.00
41	Multimode Microplate Reader (There is none in the LSN ground floor)	1	20.00
42	Deep Freezer (-20 degree C)	1	1.60
43	Biosafety cabinet for cell culture	1	8.00
44	Simulated annealing Furnace for Glass Blowing Repairing Work	1	5.00
45	Oxygen Generator	1	10.00
46	Glass /diamond cutter m/c	1	0.60
47	Aluminium alloy rotary vacuum pump	1	2.60
48	Multimode Microplate Reader	1	28.00
49	Hot air gun	1	0.40
50	Refrigerated centrifuge	1	12.00
51	Programmable orbital shaker	1	5.50
52	Biosafety cabinet for cell culture	1	9.00
53	Inverted Fluorescence Microscope	1	25.00
54	Refrigerator	1	1.00
55	Hot-plate Magnetic Stirrer	1	0.25
56	Rotors for Centrifuge	1	0.60
57	qRT-PCR machine	1	20.00
58	Test-tube rotator	1	0.15
59	Water Bath	1	0.25
60	VDRL Shaker	1	0.40
61	UPS for deep freezer (-80C)	1	2.00
62	Hypoxia Chamber	1	3.00
63	Air vibration table	1	2.50
64	Multiclamp 700A amplifier	1	4.75
65	Digidata 1440A Low-noise Data Acquisition System	1	5.00
66	Liquid Nitrogen Cryo Container	1	3.00
67	Chem-Doc	1	35.00
68	Gel Casting Stand & Western Blotting Tank	1	0.50
69	Homogenizer	1	2.50

Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost
70	Shaking Rocker	1	1.00
71	Liquid Nitrogen Cryo Container to save stable cell lines	1	6.00
72	CO2 regulators (2pcs)	1	0.25
73	Circulating Water Bath (Julabo)	1	3.00
74	Complete Set-up of Individually Ventilated Cage System	1	35.00
75	Micro-Manipulator along with Inverted Microscope	1	50.00
76	IVOS-II for CASA (including microscopy)	1	70.00
77	Cooling Incubator	1	2.50
78	Semidry Transfer Cell	1	3.00
79	Powerpack	1	1.00
80	Circulating Water Bath	1	2.50
81	Camera and PC for Microscope	1	2.30
82	Autoclave	1	7.00
83	Rotatory shacker	1	0.50
84	-20 degree freezer	1	1.20
85	Ultracentrifuge with rotors	1	65.00
86	Upgradation of electronics of NMR	1	200.00
87	BOD Incubator	1	1.50
88	Deep Freezer (-20 degree C)	1	1.60
89	UPLC	1	92.00
90	Lyophilizer	1	35.00
91	Microplate reader	1	24.00
92	Spare parts of Rheometer	1	8.00
93	Refrigerated centrifuge	1	7.00
94	pH meter	1	1.20
95	Digital Vortex mixer	1	0.60
96	Western blot assembly	1	3.00
97	-80 degree refrigerator	1	8.00
98	liquid nitrogen tank	1	5.00
99	pH meter	1	1.00
100	Weighing balance	1	3.00
101	UV spectrophotometer	1	7.50
102	Vacuum pump for lyophilizer	1	4.00
103	BSL-2 biosafety cabinet	1	9.00
104	Rocker	1	1.50
105	Refrigerator, 500 L	1	0.70
106	- 20C Deep Freezer	1	2.00
107	Differential Pressure Instrument (3 Nos.)	3	0.50
108	Bio safety cabinet	1	4.90
109	CO2 Incubator	1	8.00
110	High speed centrifuge with rotars	1	12.00

Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost
111	Sonicator	1	6.00
112	Chemi-Doc	1	25.00
113	Sonicator	1	15.00
114	Nano-Drop	1	15.00
115	High Speed centrifuge	1	25.00
116	Rotaryevaporator	1	5.00
117	Chiller	1	2.50
118	-78 oC reaction bath (Julabo)	1	6.00
119	Vacuum pump for rotaevaporator	1	2.00
120	Water bath	1	2.00
121	Differential Pressure Instrument	1	0.50
122	Gradient PCR machine	1	5.50
123	Multimode plate reader	1	22.00
124	Flow Chemistry instrument	1	20.00
125	Solvent purification system	1	30.00
126	Glove Box	1	40.00
127	Aerosol infection equipment	1	65.00
128	Programmable chiller with ramping, soaking function (Temp range -20 to 150C) and rotavap	1	8.50

B (b)**CONSUMABLES**

Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (by equipment name) 1. NMR 2. Mass 3. Electron Microscopy 4. X Ray 5. Biacore 6. In vivo image analyser	1000.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	6000.00
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, Protease Chemical library , FDA-approved drug library, microneedle mold etc.)	8027.00
4	Glass wares (ex- name the different glass wares)	2000.00
5	Plastic wares (ex- Name the different plastic wares)	2000.00
6	Toner Cartridges.	210.00
7	Batteries, etc.	150.00
8	Gases (ex- tentative names)	160.00
9	Maintenance/AMC/repairing of existing equipment	1325.00
10	Stationery items (ex- name a few)	275.00
11	IT / software-related Items (Name the items required during year) Schrodinger Software for Molecular Modelling	8.00
12	Furniture (Name the items required during year)	125.00
13	Electric Items (Name the items required during year)	

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.