

**[CSIR-Indian Institute of Integrative Medicine, Jammu]
PROCUREMENT PLAN***

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	Incubator shaker	1	8.00
2	Spectrophotometer	1	4.00
3	Refrigerated centrifuge	1	4.00
4	Non-refrigerated microcentrifuge	1	3.00
5	Thermo mixer	1	3.50
6	pH meter	2	0.30
7	Weighing balance	2	2.00
8	PCR	2	7.00
9	Shaking water bath	1	3.00
10	High Pressure vessel	1	6.00
11	Hot Plate with stirrer	1	1.50
12	Hot Plate	1	1.00
13	pH Meter	1	2.00
14	Nitrogen Generator	1	20.00
15	Rotavapor with chiller	1	7.00
16	Mixer grinder	1	0.50
17	Temperature and humidity meter	20	3.00
18	Fumehood	1	5.00
19	Sonicator	1	0.50
20	Multi tube vertex mixer	1	3.00
21	Refrigerated Centrifuge	1	10.00
22	Nitrogen evaporator	1	5.00
23	Turbidity meter	1	3.00
24	LC-to be Integrated with ICP-MS	1	30.00
25	Moisture analyser	1	7.00
26	Homogenizer	1	5.00
27	Hot air oven	1	3.00
28	Distillation Unit with heating mantle	1	0.40
29	High Vacuum pump (oil)	2	4.00
30	Chillers for rota	3	4.50
31	Vacuum pump (for rota)	3	4.50
32	Weighing Balance	3	4.50
33	Ice Maker Machine	1	1.00
34	Refrigerator-650 L	1	1.50
35	Melting point apparatus	1	2.00
36	High pressure reactor	1	4.00
37	UV Chamber	1	0.150
38	Polarimeter	1	20.00
39	Crobath	1	8.00
40	Servo Stabiliser	1	20.00
41	High capacity Milli Q Water Purification System	1	10.00
42	Ice making Machine	1	2.00
43	Water bath	1	1.00

44	-20 freezer	1	4.00
45	Fluorescent microscope with camera for central culture facility	1	20.00
46	Camera and acquisition software of microscope	1	2.00
47	PC for NGS data analysis	1	4.00
48	Dry Bath	1	0.50
49	Probe sonicator &Magnetic stirrer	1	5.00
50	UV light Chamber	1	0.50
51	Fluorescence Microscope	1	20.00
52	Incubator Shaker	1	5.00
53	Laminar Air Flow -Biosafety Hood	1	5.00
54	Water purification System –Branch lab Srinagar)	1	15.00
55	Dryer/Freeze Dryers (Branch lab Srinagar)	1	3.00
56	Packaging unit (Branch lab Srinagar)	1	2.00
57	VC Tools (Library class room and Br. Lab Srinagar)	2	5.00
58	Refrigerator for sample storage (Branch lab Srinagar)	1	3.00
59	UPS 5 KVA(Branch lab Srinagar)	1	2.00
60	Fluorescence microscope (Branch lab Srinagar)	1	20.00
61	Polarimeter (Branch lab Srinagar)	1	5.00
62	Power Tiller (Branch laboratory and associated farms)	04	3.00
63	Brush cutter (Branch laboratory and associated farms)	05	2.00
64	Biomass Briquetting Machine	1	7.00
65	Shredder	1	1.00
66	Rack server	01	17.00
67	Unified Storage (50 TB)	01	20.00
68	10 KVA UPS With Battery Bank	02	20.00
69	Water Distillation unit along with softener	1	2.60
70	Sonicator	1	0.50
71	Timers for AC and Photoperiods	6	1.00
72	Dry Bath	2	2.00
73	Pressure plate apparatus	1	3.50
74	Cultivator (9-tine)	2	0.80
75	Disk Harrow (16 Blade)	1	0.80
76	Brush cutter	2	0.50
77	Tractor operated Boom sprayer	1	1.20
78	Manual cum Power knapsack sprayer	5	0.30
79	Power Tiller	2	1.20
80	Tractor hydraulic trolley	2	3.00
81	Broad bed planter	1	2.00
82	Display Digital for conference Hall	1	5.50
83	PCs, Laptops, tablets, Workstation, ACs, Printers, MFD etc	As per Institutional requirement	100.00
2nd Priority			
1.	Combi Flash	1	20.00
2.	LC-MS (SINGLE QUAD)	1	120.00
3.	MALDI-TOF/TOF	1	300.00
4.	Peptide synthesizer	1	60.00
5.	Workstation (High End)	1	16.00

6.	Rack Servers	1	30.00
7.	42 U Server Rack	1	3.00
8.	Managed L3 and L2 Network Switches,	32	35.00
9.	Cryostat costing	1	15.00
10.	Moris water maze system	1	20.00
11.	FT-IR with ATR	1	30.00
12.	Microwave digester	1	28.00
13.	Heating Mantles (all sizes)	6	60.00
14.	Plant Growth Chamber	1	30.00
15.	Multimode Reader (Central facility-Srinagar)	1	25.00
16.	Flash chromatography System (Central facility-Srinagar)	1	12.00
17.	Workstation two for Jammu and one for Central facility Branch laboratory-Srinagar.	3	15.00
18.	Protein purification system	1	40.00
19.	UPS 20 KVA (Branch lab Srinagar)	1	10.00
20.	Sonicator	1	5.00

(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)
1.	PC, Scanner, Printer and other minor items	03	MLP0004	2.00
2.	Rotaevaporater with recalculating chiller & vacuum pump	01	FTT020510	9.90
3.	Microplate spectrophotometer	01	FTT020510	7.32
4.	Minor equipments: Stirrer, UV Chamber, Refrigerator, Photo redox box	01	FTT020510	2.78
5.	Refrigerated Centrifuge	01	FTT050511	8.00
6.	Computer	01	HCP-47	0.90
7.	Laptop	01	HCP-47	0.90
8.	Printer	01	HCP-47	0.40
9.	Small Centrifuge	01	HCP-47	0.80
10.	500kg distillation unit	4-6	HCP0007	42.48
11.	Farm Equipment	-	HCP0007	5.95
12.	Compound Microscope	01	HCP0007	1.88
13.	Dehumidifier	02	HCP0007	2.10
14.	EC Meter	02	HCP0007	1.88
15.	Humidifier	01	HCP0007	1.09
16.	Portable leaf meter	01	HCP0007	2.36
17.	Microtome	01	HCP0007	4.97
18.	Frost free side by side refrigerator 720 ltr	02	HCP0007	2.00
19.	Pressure plate apparatus for soil moisture	01	HCP0007	2.00
20.	A4 Scanner	01	HCP0007	1.40
21.	Digital Automatic Seed counter	01	HCP0007	1.40
22.	180W Online UPS	02	HCP0007	2.40
23.	Shaking Water Bath	02	HCP0007	1.18
24.	Digital ultrasonic cleaner	01	HCP0007	0.59
25.	Ultraviolet viewing cables	02	HCP0007	0.94

26.	Vortex	01	HCP0007	0.70
27.	GPS	01	HCP0007	0.40
28.	Hot air oven	02	HCP0007	2.00
29.	Digital Magnetic stirrer with hot plate	02	HCP0007	1.00
30.	Microwave Oven	02	HCP0007	0.44
31.	pH 700 bench top pH meter	01	HCP0007	0.50
32.	Stainless steel plant grinder	02	HCP0007	1.40
33.	-80 degree Deep freezer	01	MMP075201	8.00
34.	Rotary Evaporator with Chiller and Vacuum	01	MMP075201	8.00
35.	Nanodrop	01	MMP075201	6.00
36.	UAV /Drone (Multispectral Mapping)	01	HCP-0057	14.97
37.	Stereo Camera	01	HCP-0057	0.70
38.	GPS with BASE STATION	01	HCP-0057	2.54
39.	Automated polyhouse	2	HCP-0037	31.72
40.	Cold Storage Unit	01	HCP-0037	9.10
41.	Portable Gen Set	01	HCP-0037	2.19
42.	Minor Tools and Implements	01	HCP-0037	0.21
43.	Hedge Shear/ Trimmer (Electric)	01	HCP-0037	0.23
44.	Chain Saw	02	HCP-0037	0.50
45.	Brush Cutter	02	HCP-0037	0.83
46.	Submersible Pump	01	HCP-0037	0.50
47.	Disc Plough	01	HCP-0037	0.55
48.	Digital Camera	01	HCP-0037	2.39
49.	Projector	01	HCP-0037	2.22
50.	Projector Screen	01	HCP-0037	0.40
51.	Soxhlet Apparatus	01	HCP-0037	0.99
52.	Clevenger Apparatus	02	HCP-0037	0.49
53.	GC-MS/MS	01	HCP-0037	85.00
54.	Micropipettes	01	HCP-0037	1.52
55.	Bee Boxes with Colonies	01	HCP-0037	44.20
56.	Honey Extractors	01	HCP-0037	0.80
57.	pH Meter	01	HCP-0037	1.20
58.	Weighing Balance	01	HCP-0037	0.52
59.	Dry Heat Oven	01	HCP-0037	1.00
60.	Spectrophotometer	01	HCP-0037	4.99
61.	BOD Incubator	01	HCP-0037	1.49
62.	Rotavator	01	HCP-0037	1.40
63.	Brush Cutter	01	HCP-0037	0.42
64.	Power Tiller	01	HCP-0037	0.85
65.	Leveller	01	HCP-0037	0.30
66.	File Cabinet	01	HCP-0037	0.09
67.	Leaf Blower	01	HCP-0037	0.08
68.	Leaf Area Meter	01	HCP-0037	2.65
69.	Inverted Microscope	01	HCP-0037	4.45
70.	Refrigerator	01	HCP-0037	5.21
71.	Laminar Airflow Cabinet	01	HCP-0037	0.85
	Fermenter 15 L	1	PPP240005	33.0
72.	Fermenter 200 L	1	PPP240005	76.7
73.	Fermentater 1000 L	1	PPP240005	94.4
74.	Fermenter 5000 L	1	PPP240005	186.6
75.	Chiller (1000 L)	1	PPP240005	37.76
76.	Boiler (800 + 300 Kg)	1	PPP240005	21.24

77.	Air Compressor(s)	1	PPP240005	22.42
78.	Cold Room	1	PPP240005	11.8
79.	Media preparation ss 316 tank (800 L)	1	PPP240005	35.4
80.	Basket centrifuge	1	PPP240005	17.7
81.	Press filter	1	PPP240005	11.8
82.	Continuous centrifuge	1	PPP240005	35.4
83.	Pilot scale membrane filtration system	1	PPP240005	53.0
84.	Analytical HPLC	1	PPP240005	60.0
85.	Gas Chromatograph	1	PPP240005	35.0
86.	Large scale shaker	1	PPP240005	8.0
87.	Tray dryer pilot scale	1	PPP240005	11.8
88.	Spray dryer (5-7 L / 5-7 kg)	1	PPP240005	25.0
89.	Solid state fermenter Rotary disc SSF 10 Kg	1	PPP240005	20.5
90.	Industrial scale rotary evaporator	1	PPP240005	45.3

(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)
1.	Inverted compound Microscope	01	GAP 3157	8.00
2.	Stereozoom Microscope	01	GAP 3157	6.00
3.	Gel documentation system	01	GAP-3161	6.98
4.	Laptop	01	GAP3102	1.00
5.	Fridge	01	GAP-3153	0.80
6.	Magnetic Stirrer with hot plate	02	GAP-3153	1.20
7.	Mechanical stirrer with accessories	01	GAP-3153	0.50
8.	Shaker with accessories	01	GAP-3153	2.50
9.	Vortex Mixer	01	GAP-3153	0.30
10.	Upgradation of existing phase contrast fluorescent microscope	01	GAP-3159	9.65
11.	Rotary evaporator with accessories	01	GAP-3152	9.50
12.	Gel Documentation unit	01	GAP-3163	14.00
13.	Flash Chromatograph	01	GAP-3130	15.00

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 (by equipment name eg. Kits for Illumina sequencer)	100.00	50.00	50.00	200.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	150.00	476.00	200.00	826.00
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.)	280.00	255.45	150.00	685.45
4	Glass wares (ex- name the different glass wares)	40.00	25.00	20.00	85.00
5	Plastic wares (ex- Name the different plastic wares)	30.00	15.00	10.00	55.00
6	Toner Cartridges.	20.00	2.00	4.00	26.00
7	Batteries, etc.	30.00	2.00	4.00	36.00
8	Gases (ex- tentative names)	05.00	0.00	2.00	7.00
9	Maintenance/AMC/repairing of existing equipment	20.00	5.00	15.00	40.00
10	Stationery items (ex- name a few)	10.00	24.10	5.00	39.10
11	IT / software-related Items (Name the items required during year)		09.00	0.00	9.00
12	Furniture (Name the items required during year)	25.00	3.50	3.00	31.50
13	Electric Items (Name the items required during year)		3.00	0.50	3.50

B	FOR NEXT 2-4 FINANCIAL YEARS (2025-29) (From 01/04/2025 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 (Rs. In Lakhs)
1	ISOTOPIC RATIO MASS ANALYSER (IRMS)	1	400.00
2	GC MS/MS	1	100.00
3	NMR 500 MHz	1	400.00
4	ELISA Plate Reader	1	10.00
5	RT-PCR	1	15.00
6	ChemiDoc with analysis software	1	10.00
7	Chillers/Immersion Cooler	10	40 .00
8	Magnetic Stirrers	10	40 .00
9	Rotary evaporator with accessories	10	90 .00
10	High Vacuum Pump	10	10.00
11	500kg distillation unit	3	16.99
12	Farm Equipments	2 sets	20.00
13	GPS	3	1.00
14	Hot air oven	2	2.00
15	Digital Magnetic stirrer with hot plate	10	15.00
16	Microwave Oven	2	0.44
17	pH 700 benchtop pH meter	3	1.00
18	Stainless steel plant grinder	2	1.40

B (b)	
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Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (by equipment name)	500.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	800.00
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.)	700.00
4	Glass wares (ex- name the different glass wares)	100.00
5	Plastic wares (ex- Name the different plastic wares)	100.00
6	Toner Cartridges.	25.00
7	Batteries, etc.	20.00
8	Gases (ex- tentative names)	5.00
9	Maintenance/AMC/repairing of existing equipment	38.00
10	Stationery items (ex- name a few)	30.00
11	IT / software-related Items (Name the items required during year)	50.00
12	Furniture (Name the items required during year)	25.00

13	Electric Items (Name the items required during year)	10.00
14	Other items as requirement	500.00

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.