

CSIR-National Botanical Research Institute, Lucknow**PROCUREMENT PLAN***

(*Please read the note given at the end)

A	FOR THE FINANCIAL YEAR 2024-25
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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.	Biochemical Analyzer	1	21.00
2.	Double Door Autoclave	1	3.00
3.	Refrigerated Centrifuge	1	2.00
4.	Rotor	1	2.00
5.	Inverted Fluorescence Microscope	1	20.00
6.	Stand-alone FTIR optics base Infra-Red Ultra-Fast automated imaging microscope with accessories	1	175.00
7.	Work Station	1	10.00
8.	High Focal Length Lens with wide angle for Canon Camera	1	2.75
9.	Wi-Fi facility (Access Points and PoE Switches)	1	5.00
10.	USB Based online Meeting Videoconferencing system (Wall Mounted Camera with wireless Microphone and other accessories)	1	5.00
11.	Layer 2 Switches	1	5.00
12.	Syslog Server	1	5.00
13.	Server – 04 Nos.	1	20.00
14.	Walk-in Growth Chambers (2)	1	60.00
15.	Water Purification System	1	7.50
16.	Culture Room Racks	1	25.00
17.	Laminar flow (6x2x2)-5 nos.	1	15.00
18.	pH meter (two)	1	0.70
19.	Weighing balance	1	3.00
20.	Hot plate	1	0.50
21.	Microwave oven	1	0.25
22.	Almirah for chemicals	1	0.20
23.	Refrigerator for media stock storage	1	0.65
24.	VOCS Analyzer	1	6.00
25.	Spectrophotometer	1	8.5
26.	pH Meter	1	0.80
27.	Printer cum scanner	1	8.00

28.	TVs, Room Heaters, Small Refrigerators, wall fans and other Small items	1	5.00
29.	Computer, AC, water purifier, water cooler	1	25.00
30.	UPS	1	5.00
31.	Buffer	1	25.00
		Total	471.85

(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.	Hot air/Vacuum Oven	01	FTT 02503	2.00
2.	Refractometer	01	FTT 02503	2.00
3.	Polarimeter	01	FTT 02503	3.50
4.	Column fraction collector	01	FTT 02503	2.50
5.	pH meter	01	FTT 02508	0.50
6.	Balance	01	FTT 02508	2.00
7.	Autoclave	01	FTT 02508	2.00
8.	Incubator Shaker	01	FTT 02508	4.50
9.	Weighing balance	01	HCP 0007	0.60
10.	Notebook Laptop	02	HCP 0007	1.80
11.	Color Laser Printer	01	HCP 0007	0.40
12.	Cultivator	01	HCP 0007	0.30
13.	Solvent Extraction Unit	1	HCP 0037 Phase II	55.00
14.	Reefer Van	1	HCP 0037 Phase II	16.00
15.	Handmade Paper Machine	1	HCP 0037 Phase II	20.00
16.	Fan-pad Polyhouse	1	HCP 0037 Phase II	20.00
17.	Two Earth Auger	2	HCP 0037 Phase II	0.25
18.	Two Projector	2	HCP 0037 Phase II	1.80
19.	Video Camera	1	HCP 0037 Phase II	2.40
20.	Four Touch Screen Monitor / Interactive Panel	4	HCP 0037 Phase II	8.00
21.	Computer	1	HCP 0037 Phase II	1.00
22.	E-cart	1	HCP 0037 Phase II	1.50
23.	Garden Roller	1	HCP 0037 Phase II	0.35
24.	Two Gasoline Chainsaw	2	HCP 0037 Phase II	0.25
25.	Two Hedge Trimmer	2	HCP 0037 Phase II	1.50
26.	Mini Power Tiller	1	HCP 0037 Phase II	1.00
27.	Two Pickup / Delivery Van	2	HCP 0037 Phase II	7.15
28.	Computer	1	HCP 0037 Phase II	1.00

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29.	Tractor with equipment	1	HCP 0037 Phase II	20.00
30.	Packaging machine	1	HCP 0037 Phase II	3.00
31.	Vortex	1	HCP 0037 Phase II	0.55
32.	Two pH meter	2	HCP 0037 Phase II	2.00
33.	Weighing balance	1	HCP 0037 Phase II	1.50
34.	Ice Making Machine	1	HCP 0037 Phase II	0.60
35.	Seed Germinator	1	HCP 0037 Phase II	1.15
36.	Semi-automated Microtome	1	HCP 0037 Phase II	4.00
37.	Deep freezer	1	HCP 0037 Phase II	4.70
38.	Audio system	1	HCP 0037 Phase II	0.40
39.	Two Weighing Balance (50 kg)	2	HCP 0037 Phase II	1.40
40.	Colour Printer	1	HCP 0037 Phase II	0.50
41.	Computer	1	HCP 101	0.60
42.	Public Address System	1	HCP 101	0.40
			Total	199.40

(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.	Tissue Lyser/Ball mill	01	GAP 3537	35.00
2.	Deep-Freezer (-20 degree and 4 degree)	02+02	GAP 3537	
3.	Incubator	01	GAP 3537	
4.	Centrifuge	01	GAP 3537	
5.	Water Bath	01	GAP 3537	
6.	Icematic	01	GAP 3537	
7.	Microwave Oven	01	GAP 3537	
8.	AC	07	GAP 3537	

(Signature)

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. HPLC, HPTLC, LCMS, AAS, CHNS, FTIR, NMR, SEM, TEM etc.)	30.00	25.00	30.00	85.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	25.00	30.00	40.00	95.00
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.)	30.00	30.00	30.00	90.00
4	Glass wares (ex- Petriplates, flasks, round bottom flask, reagent bottles, beakers, cleverger etc.)	5.00	3.00	3.00	11.00
5	Plastic wares (ex- pipette)	2.00	2.00	2.00	6.00
6	Toner Cartridges.	20.00	5.00	5.00	30.00
7	Batteries, etc.	3.00	2.00	1.00	6.00
8	Gases (ex-Helium, Nitrogen, CO ₂ , Argon etc.)	7.00	3.00	2.00	12.00
9	Maintenance/AMC/repairing of existing equipment	50.00	5.00	5.00	60.00
10	Stationery items (ex- Pen, pencil, register, logbook, ledger, highlighter, photocopy paper etc.)	3.00	2.00	1.00	6.00

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11	IT / software-related Items (SOPHOS, MS Office License etc.)	30.00	2.00	2.00	34.00
12	Furniture (Office tables, office chairs, canteen/mess tables & chairs, guest-house furniture)	20.00	-	-	20.00
13	Electric Items (Bulb, LED lights, cables etc.)	20.00	1.00	1.00	22.00
	Total=	245.00	110.00	122.00	477.00

B **FOR NEXT 2 FINANCIAL YEARS (2025-27)**
(From 01/04/2025 to 31/03/2027)

B (a) **EQUIPMENT**

Sr. No.	Name of Equipment / Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1.	Atomic Absorption System(AAS)	01	45.00
2.	Integrated (EA-IRMA, LC-IRMS)	01	45.00
3.	Refractive Index Detector: for honey Testing lab	01	13.50
4.	Digital Polari Meter	01	10.00
5.	Digital Refractometer	01	10.00
6.	RT-PCR	02	30.00
7.	PCR	02	15.00
8.	Spectrophotometer	04	20.00
9.	Refrigerated Centrifuge	01	10.00
10.	Refrigerated Incubator Shaker	03	03.00
11.	pH Meter	05	04.00
12.	Microwave	05	02.00
13.	Computer	25	25.00
14.	HPLC	01	40.00
15.	ACs	30	15.00
16.	Fermenter	01	50.00
17.	Incubated orbital shaker	03	03.00
18.	Orbital shaker	02	08.00
19.	PCR	02	07.50
20.	Sonicator	01	12.00
21.	-80°C refrigerator	01	10.00
22.	LC-Q TRAP-HRMS	01	500.00
23.	PMI Monitoring Instrument	01	08.00
24.	Porometer	01	15.00
25.	LiCoR	01	70.00
	TOTAL=		970.00

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B (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. HPLC, HPTLC, LCMS, AAS, CHNS, FTIR, NMR, SEM, TEM etc.)	60.00	50.00	60.00	170.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	50.00	60.00	80.00	190.00
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.)	60.00	60.00	60.00	180.00
4	Glass wares (ex- Petriplates, flasks, round bottom flask, reagent bottles, beakers, clevenger etc.)	10.00	6.00	6.00	22.00
5	Plastic wares (ex- pipette)	2.00	2.00	2.00	6.00
6	Toner Cartridges.	40.00	10.00	10.00	60.00
7	Batteries, etc.	6.00	4.00	2.00	12.00
8	Gases (ex-Helium, Nitrogen, CO ₂ , Argon etc.)	14.00	6.00	4.00	24.00
9	Maintenance/AMC/repairing of existing equipment	100.00	10.00	10.00	120.00
10	Stationery items (ex- Pen, pencil, register, logbook, ledger, highlighter, photocopy paper etc.)	6.00	4.00	2.00	12.00

11	IT / software-related Items (SOPHOS, MS Office License etc.)	60.00	4.00	4.00	68.00
12	Furniture (Office tables, office chairs, canteen/mess tables & chairs, guest-house furniture)	40.00	-	-	40.00
13	Electric Items (Bulb, LED lights, cables etc.)	40.00	2.00	2.00	44.00
	Total=	488.00	218.00	242.00	948.00

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.

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