

Updated on 24-02-2025

[CSIR-CFTRI] PROCUREMENT PLAN*

(*Please read the note given at the end)

A FOR THE FINANCIAL YEAR 2025-26

A (a) EQUIPMENT

(i) Equipment: Out of CSIR Infra Grant

Sr. No.	Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1	Flow cytometer	1	50.00
2	Cryostat microtome	1	25.00
3	Pulsed Electric Field (PEF) Generator (e.g., Lab Scale P 40kV PEF System) for Food processing	1	20.00
4	Hot-Stage Microscopy (HSM)	1	40.00
5	Starch damage Analyzer	1	30.00
6	Bio-Degrable straw Making machine	1	45.00
7	Alveolab	1	95.00
8	Microfluidics (Behavior of Emulsion / fluids through micro-channels)	1	15.00
9	Mixolab	1	95.00
10	Smart silo-based multi-gas fumigation systems with sensors, digital cameras, AI for food storage and infestation control	1	20.00
11	Milli-Q Water Purification System	1	5.00
12	Grain storage system with PFM	1	3.00
13	Walk-In Humidity chamber	1	27.00
14	Oxygen analyzer	1	10.00
15	Membrane dryer, and 11 samples kit with permeability kit	1	15.00
16	UHPLC-HRMS and accessories	1	400.00
17	Realtime PCR	1	25.00
18	Cold room	1	10.00
19	Shaking water bath	1	5.00
20	Ribbon blender & stand mixer	1	5.00
21	Deep Freezer -80°C Vertical 800 Liters	1	9.00
22	Anaerobic work station	1	20.00
23	Autoclave-automatic machine	1	12.00

24	High speed cooling centrifuge	1	15.00
25	Portable Color Chromameter	1	12.00
26	Meat homogenizer	1	8.00
27	Meat slicer	1	6.00
28	Meat product forming Machin (pilot scale)- meatballs and nuggets	1	17.00
29	Meat Dicer (pilot scale)	1	6.50
30	Incubator	1	15.00
31	Spectrophotometer	1	15.00
32	Kjeldhal apparatus	1	10.00
33	Nanofiltration and Ultrafiltration unit for semipilot scale	1	24.00
34	FIZZ LAB System- software license, size 5000, (Biosystemes web server)	1	19.85
35	Integrated Edible oil seed processing line	1	62.00
36	Walk in Microgreens Chamber	1	20.00
37	Hypoxia Incubation System	1	13.00
38	Fluorescent cell Imager	1	35.00
39	Class II Type A2, Biological Safety Cabinets	1	6.50
40	Rotary evaporator	1	10.00
41	Amylograph	1	60.00
42	Edible Cutlery unit	1	30.00
43	Servers	1	86.22

(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	Laminar Air Flow (Biosafety Level 2)	1	HCP002502	4.00
2	Incubator Shaker	1	HCP002502	2.20
3	Spectrophotometer	1	HCP002502	4.00
4	Centrifuge	1	HCP002502	2.00
5	Multifunction process Calibrator	1	HCP002502	3.50
6	Miscellaneous Food processing Machines	1	HCP002502	4.00
7	Electric Vegetable/Fruit Blanching Machine	1	HCP002502	1.50
8	Larger scale oil expeller and Oil hydraulic expeller	1	HCP002502	10.00
9	Multifunction color printer	1	HCP002502	1.80

(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	GC-MS	1	GAP0640	40.00
2	GC	1	GAP0640	40.00
3	Homogenizer	1	GAP0643	5.00
4	Rheometer	1	GAP0643	8.00
5	Lab scale 3D printing machine	1	GAP0643	7.00
6	Refrigerated centrifuge	1	GAP0643	15.00
7	Ultra-low freezer	1	GAP0643	7.00
8	Thermal cycler	1	GAP0643	5.00
9	BoD incubator	1	GAP0643	6.00
10	-80 freezer	1	GAP0648	8.00
11	Real Time PCR	1	GAP0648	10.00
12	Biosafety Cabinet	1	GAP0648	8.00
13	BOD incubator	1	GAP0625	2.95
14	CO2 Incubator	1	GAP0625	6.30
15	Compound microscope	1	GAP0625	10.00
16	Deep freezer	1	GAP0625	10.00
17	Fluorescent microscope with camera	1	GAP0625	25.00
18	Gel documentation system	1	GAP0625	8.40
19	High speed centrifuge	1	GAP0625	2.50
20	HPLC	1	GAP0625	49.00
21	Laminar flow cabinet	1	GAP0625	10.00
22	UPS 20 KV	2	GAP0625	15.00
23	Orbital shaker	1	GAP0625	0.88
24	Laminar flow cabinet	2	GAP0625	10.00

A (b)	CONSUMABLES
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Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs) Out			
		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)	120	15	65	200
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	500	80	250	830
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.)	250	100	200	550
4	Glass wares (ex- name the different glass wares)	150	25	60	235
5	Plastic wares (ex- Name the different plastic wares)	70	15	70	155
6	Toner Cartridges.	30	5	10	45
7	Batteries, etc.	10		5	30
8	Gases (ex- tentative names)	60		15	75
9	Maintenance/AMC/repairing of existing equipment	150	8	25	183
10	Stationery items (ex- name a few)	125	10	20	155
11	IT / software-related Items (Name the items required during year)	150	10	40	200
12	Furniture (Name the items required during year)	120		50	170
13	Electric Items (Name the items required during year)	200		100	300

B	FOR NEXT 2-4 FINANCIAL YEARS (2026-30) (From 01/04/2026 to 31/03/2030)
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B (a)	EQUIPMENT
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Sr. No.	Name of Major Equipment	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1	Brunauer Emmett Teller analyser	1	55.00
2	Time domain NMR	1	120.00
3	Portable mass spectrometer	1	110.00
4	Heating ventilation and air conditioning for animal house	1	60.00
5	MS imaging	1	100.00

B (b)	CONSUMABLES
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Sr. No.	Category	Expected Procurement Value (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer)	1000.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	4150.00
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.)	2750.00
4	Glass wares (ex- name the different glass wares)	1175.00
5	Plastic wares (ex- Name the different plastic wares)	775.00
6	Toner Cartridges.	225.00
7	Batteries, etc.	150.00
8	Gases (ex- tentative names)	375.00
9	Maintenance/AMC/repairing of existing equipment	915.00
10	Stationery items (ex- name a few)	775.00
11	IT / software-related Items (Name the items required during year)	1000.00
12	Furniture (Name the items required during year)	850.00
13	Electric Items (Name the items required during year)	1500.00

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.