

Updated on 26-03-2026

[CSIR-CFTRI]
PROCUREMENT PLAN*

(*Please read the note given at the end)

A FOR THE FINANCIAL YEAR 2026-27

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.	Cryostat microtome	1	25.00
2.	UHPLC-HRMS and accessories	1	400 .00
3.	Anaerobic work station	1	35.00
4.	Walk in Microgreens Chamber	1	40.00
5.	Hypoxia Incubation System	1	20.00
6.	Fluorescent cell Imager	1	35.00
7.	Amylograph	1	60.00
8.	Fluorescent Multimode reader	1	40.00
9.	Automated HPLC	1	40.00
10.	Fluorescent Microscope	1	20.00
11.	Flow Cytometer	1	80.00
12.	Minor Equipment's		93.00

(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	Vegetable /Fruit Slicer	1	HCP002502	2.00
2	Edible oil smoking point and flash, colour analyser	1	HCP002502	10.00
3	Steam Distillation unit (Stainless steel) for Spice essential oils (Pilot scale)	1	HCP002502	5.00
4	Likens Nickerson apparatus for Highly volatile extraction with accessories	1	HCP002502	5.00

5	Miscellaneous Food processing Machines	1	HCP002502	2.00
6	Edible oil filtration unit	1	HCP002502	4.00
7	Fermenter (5 l capacity)	1	HCP0024	14.00
8	Multimode Reader	1	HCP0024	10.00
9	Vol scan profiler	1	HCP0024	28.00
10	Benchtop spray dryer	1	MMP025302	12.00
11	Refrigerated shaking incubator bath	1	MMP025302	5.00
12	Spectrophotometer	1	MMP025302	5.00
13	Rotary evaporator	1	MMP025302	9.00
14	Centrifuge	1	MMP025302	12.00
15	Chlorophyll meter	1	MMP025302	2.50

(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 (Gas Chromatography-Mass Spectrometry)	1	GAP PR	250.00
2	Cell Frost	2	GAP PR	4.03
3	Mettler Weighing Balance	1	GAP PR	1.29
4	Computer (All in one desktop and printer)	1	GAP PR	1.50
5	Tumbler Mixer	1	GAP PR	3.50
6	CO2 incubator with hypoxia chamber	1	GAP PR	9.50
7	Laminar Air flow Biosafety cabinet	1	GAP PR	3.00
8	2 door reach in chiller	1	GAP PR	1.45
9	4 door reach in chiller	1	GAP PR	1.97

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)	126.00	15.75	68.25	210.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	525.00	84.00	262.50	871.50
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.)	262.50	105.00	210.00	577.50
4	Glass wares (ex- name the different glass wares)	157.50	26.25	63.00	246.75
5	Plastic wares (ex- Name the different plastic wares)	73.50	15.75	73.50	162.75
6	Toner Cartridges.	31.50	5.25	10.50	47.25
7	Batteries, etc.	10.50	0.00	5.25	31.50
8	Gases (ex- tentative names)	63.00	0.00	15.75	78.75
9	Maintenance/AMC/repairing of existing equipment	157.50	8.40	26.25	192.15
10	Stationery items (ex- name a few)	131.25	10.50	21.00	162.75
11	IT / software-related Items (Name the items required during year)	157.50	10.50	42.00	210.00
12	Furniture (Name the items required during year)	126.00	0.00	52.50	178.50
13	Electric Items (Name the items required during year)	210.00	0.00	105.00	315.00

B	FOR NEXT 2-4 FINANCIAL YEARS (2027-31) (From 01/04/2027 to 31/03/2031)
B (a)	EQUIPMENT

Sr. No.	Name of Major Equipment	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1.	NMR Spectrometer	1	700.00
2.	Hot filling line	1	100.00
3.	Packaging line	1	100.00
4.	Flash Evaporator	1	27.00
5.	Lyophilizer	1	50.00
6.	Rheometer	1	50.00
7.	Droplet Digital-PCR	1	70.00
8.	Millet Processing Unit	1	384.00
9.	Confocal Microscope	1	500.00
10.	Bioreactor	1	100.00
11.	HPLC	1	50.00
12.	Benchtop Freeze Dryer	1	50.00
13.	Next-Generation Sequencer	1	200.00
14.	Deep Freezer (4 units)	1	40.00
15.	Supercritical Extractor	1	100.00
16.	Integrated Oil Seed Processing Unit	1	120.00
17.	High-Pressure Processing Unit	1	480.00
18.	Cold Plasma System and Ozone Unit	1	250.00
19.	Hypoxia Chamber for Animal Studies	1	25.00
20.	3D Printer	1	97.00
21.	Minor Equipment's		77.00

B (b)		CONSUMABLES
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)	1050.00
2	Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.)	4565.00
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.)	3025.00
4	Glass wares (ex- name the different glass wares)	1233.75
5	Plastic wares (ex- Name the different plastic wares)	813.75
6	Toner Cartridges.	236.25
7	Batteries, etc.	157.5
8	Gases (ex- tentative names)	393.75
9	Maintenance/AMC/repairing of existing equipment	960.75
10	Stationery items (ex- name a few)	813.75
11	IT / software-related Items (Name the items required during year)	1100.00
12	Furniture (Name the items required during year)	935.00
13	Electric Items (Name the items required during year)	1575.00

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.