



## PROCUREMENT PLAN

(Financial Year 2023-24 & upto Next 3 years)

### [A] EQUIPMENTS:

Equipments for procurement for 2023-2026 years (out of Lab Grant)

Table 1: 2023-24

S.N.	Name of the Equipments	Approximate Cost (in lakh)
1.	Projector	3.50
2.	Screen Motorized Screen 150° Diagonal	1.10
3.	Mirrorless camera for videography	4.90
4.	CCTV Camera	6.00
5.	Ultra Water Purification System	40.00
6.	Flat Bed Scanner	9.00
7.	Work Station	5.00
8.	Printer	0.50
9.	Computer (07)	7.00
10.	Printer	0.50
11.	Air Conditioners	21.50
12.	All in one Desktop (25 No.)	25.00
13.	GC-MS	80.00
14.	HPLC	40.00
15.	Table Top Centrifuge	7.50
16.	PCR	5.00
17.	pH meter	0.50
18.	Balance	4.00
19.	Autoclave	5.00
20.	Ultra Water Purification System	10.00
21.	-20 degree Refrigerator – 02 Nos.	1.50
22.	4° C Refrigerator – 04 Nos.	1.50
23.	Oven	1.00
24.	UPS 10 kb	5.00
25.	Minor Equipments Buffer	20.00
26.	Fermenter	12.00
27.	LC-MS-MS	300.00
28.	-80 degree storage – 03	27.00
29.	HPC	300.00
30.	Server	5.00

**Table 2: 2024-25**

S.N.	Name of the Equipments	Cost (in lakh)
1.	Printer	0.60
2.	Computers	27.00
3.	Flow cytometer	100.00
4.	Powder tester	11.75
5.	Rotovapor with chilling unit	10.00
6.	-80C Deep freezer	16.00
7.	Indoor air quality monitoring kits with sensors and VOCs analyzer	12.00
8.	O3 analyzers	5.00
9.	Walk/Growth Chambers	40.00
10.	Stand-alone FTIR optics-based infrared ultra-fast automated imaging microscope with accessories	150.00
11.	Indo-ArcGIS Desktop Advanced 10.8.2 Version GIS mapping and analytical software with 3D, Spatial, Image, Geostatistical analyst extensions	35.00
12.	Sonicator	10.00
13.	Spectrophotometer	0.80
14.	Climate controlled growth chamber	50.00
15.	Microwave digester	20.00
16.	pH Meter	1.50
17.	Analytical weighing balance	0.60
18.	Stereomicroscope	30.00
19.	High end workstations	15.00
20.	Hot air oven	1.00
21.	Laminar Air Flow	2.50
22.	Refrigerated table top Centrifuge	3.00
23.	570L Inverter Frost-Free Multi-Door Refrigerator	0.90
24.	Incubator Shaker(4°- 65° C)	15.00
25.	Gel documentation System	9.00
26.	Water bath	2.00
27.	Western Blotting Instruments	3.50
28.	Autoclave	4.00
29.	ELISA Reader	5.00
30.	Gas Chromatography	40.00
31.	High end computation system	16.00
32.	Germplasm repository	40.00
33.	Minor Equipments	19.50
34.	Student trinocular microscope with digital camera	3.50
35.	Gel electrophoresis unit with accessories	3.50
36.	Seed germinator	2.00

37.	Digital Vertical Autoclave	6.00
38.	Microwave digestion and Kjeldahl Distillation Unit	45.00
39.	Canopy analyser	6.50
40.	Low-flow vacuum air sampler	2.00
41.	Lypholizer	3.00
42.	Stereo Microscope with computer	6.00
43.	Workstation with Intel Xeon	6.50

**Table 3: 2025-26**

S.N.	Name of the Equipments	Cost (in lakh)
1.	Computer	5.50
2.	Stereo-zoom microscope	24.00
3.	Animal x ray unit	25.00
4.	Echocardiography	20.00
5.	Inverted fluorescence microscope	40.00
6.	HPLC (Analytical)	35.00
7.	Extractor	23.25
8.	Tablet punching machine strip and blister	30.00
9.	ERDAS Imagine (HEXAGON)	45.00
10.	One Portable Photosynthesis Measurement System	70.00
11.	Autoclave	0.80
12.	High-performance Ultra-micro-/ micro- weighing balance with 0.0001 mg readability and lab balance compliance (21 CFR part 11 and EU Annex 11) without needing additional software.	45.00
13.	Drone (VTOL) and Imaging	10.00
14.	Workstation	5.00
15.	All-in-One system	1.50
16.	Printer	5.00
17.	Minor equipment: A microcentrifuge, Dry bath and minicentrifuge for PCR strips, a fridge.	10.00
18.	Multi-mode micro plate reader	25.00
19.	Almirah	0.40
20.	Hot air oven	0.50
21.	Benchtop rocker/shaker	0.50
22.	NanoDrop	10.00
23.	Portable unit (de-ionized water)	6.00
24.	Work-bench table with shelf, drawers & cabinets & electrical sockets	5.00
25.	Spectrophotometer	4.50
26.	Flame photometer	2.00
27.	SPADE meter	2.50
28.	DSLR camera	2.00

29.	Xerox machine	1.50
30.	Power tiller/Power tractor	10.00
31.	Seed packaging machine	2.00
32.	Electric buggies/ cart	10.00

### Equipments for procurement during the FY 2023-26 years (CSIR funded Projects)

S.N.	Name of the Equipments	Approximate Cost (in lakh)	Project Number
1.	Tractor 65 HP (01)	13.400	HCP 0007 (Phase III)
2.	Loader attachment (JCB) (01)	4.650	HCP 0007 (Phase III)
3.	pH meter Micro-processor controlled (01)	2.350	HCP 0007 (Phase III)
4.	Laserjet All in One Copier (01)	0.600	HCP 0007 (Phase III)
5.	Automatic seeding machine with tray filler	16.000	HCP 0037 Phase II
6.	Multi-utility Vehicle	27.000	HCP 0037 Phase II
7.	Computer Work Station Mapping	3.000	HCP 0037 Phase II
8.	Modular Cold Room/Cold Storage facility	18.000	HCP 0037 Phase II
9.	Fan-pad Polyhouse	40.000	HCP 0037 Phase II
10.	Inverter/UPS	0.600	HCP 0037 Phase II
11.	Four Air conditioner	1.400	HCP 0037 Phase II
12.	Vertical Autoclave	1.600	HCP 0037 Phase II
13.	MQ-Water Portable	2.900	HCP 0037 Phase II
14.	Mini Centrifuge with 10000rpm	0.500	HCP 0037 Phase II
15.	Centrifuge	5.150	HCP 0047
16.	Weighing balance	0.600	HCP 0007 (Phase III)
17.	Cultivator (01)	0.300	HCP 0007 (Phase III)
18.	Kjeldahl Digestion & Distillation (01)	5.900	HCP 0007 (Phase III)
19.	Notebook Laptop (02)	1.800	HCP 0007 (Phase III)
20.	Color Laser Printer (01)	0.400	HCP 0007 (Phase III)
21.	Tractor with equipment	20.000	HCP 0037 Phase II
22.	Computer	1.000	HCP 0037 Phase II
23.	Two Pickup / Delivery Van	7.150	HCP 0037 Phase II
24.	Mini Power Tiller	1.000	HCP 0037 Phase II
25.	Two Hedge Trimmer	1.500	HCP 0037 Phase II
26.	Two Gasoline Chainsaw	0.250	HCP 0037 Phase II
27.	Garden Roller	0.350	HCP 0037 Phase II
28.	Two Earth Auger	0.250	HCP 0037 Phase II
29.	E-cart	1.500	HCP 0037 Phase II

30.	Packaging machine	3.000	HCP 0037 Phase II
31.	Computer	1.000	HCP 0037 Phase II
32.	Four Touch Screen Monitor / Interactive Panel	8.000	HCP 0037 Phase II
33.	Video Camera	2.400	HCP 0037 Phase II
34.	Two Projector	1.800	HCP 0037 Phase II
35.	Audio system	0.400	HCP 0037 Phase II
36.	Two Weighing Balance (50 kg)	1.400	HCP 0037 Phase II
37.	Solvent Extraction Unit	55.000	HCP 0037 Phase II
38.	Handmade Paper Machine	20.000	HCP 0037 Phase II
39.	Reefer Van	16.000	HCP 0037 Phase II
40.	Fan-pad Polyhouse	40.000	HCP 0037 Phase II
41.	Deep freezer	4.700	HCP 0037 Phase II
42.	Semi-automated Microtome	4.000	HCP 0037 Phase II
43.	Seed Germinator	1.150	HCP 0037 Phase II
44.	Ice Making Machine	0.600	HCP 0037 Phase II
45.	Weighing balance	1.500	HCP 0037 Phase II
46.	Two pH meter	2.000	HCP 0037 Phase II
47.	Vortex	0.550	HCP 0037 Phase II
48.	Colour Printer	0.500	HCP 0037 Phase II

**Equipments for procurement during the FY 2023-26 years (Externally funded Projects)**

S.N.	Name of the Equipments	Approximate Cost (in lakh)	Project Number
1.	Easy Printer	0.738	GAP 3513
2.	Signboards (144)	5.318	GAP 3514
3.	Minor Horticultural Equipments (Secateur (40), Sickle (40), Hand Saw (10), Tree Pole Pruner (2), Garden Knife (10), Khurpi (40), Prong Hoe (40), Spade (40), Water cans (30), Chain Saw (2), Brush cutters (3), water pipes (4000), hedge shears (10), hedge trimmer (2))	7.087	GAP 3514
4.	Gel Doc System	17.430	GAP 3515
5.	CHN Elemental Analyzer	30.000	GAP 3519
6.	Fabrication Flux tower	5.000	GAP 3519

7.	Trinocular Microscope	35.000	GAP 3519
8.	Spectro-Radiometer	60.000	GAP 3519
9.	UPLC	30.000	GAP 3519
10.	Accessories for existing auto analyzer/fractionation unit	150.000	GAP 3520
11.	Field exploration kit	1.500	GAP 3520
12.	Minor instruments accessories for existing (MS & HPLC)	70.000	GAP 3521
13.	Deep Freezer	1.000	GAP 3522
14.	Thermal Cycler	4.500	GAP 3522

**[B] CONSUMABLES:****Consumables likely to be procured during the FY 2023-26**

S.N.	Category	Approximate Cost (in lakh)	Financial Year
1.	Chemicals (Solvents, Biochemicals, Biochemical kits & enzymes, Diagnostic kits, sequencing, Oligonucleotides Insecticide, pesticides, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Farm Consumables, Filter papers, Planting materials, seeds, Chemical standards, Animal feed, Cell Lines, Agriculture accessories, Chromatography accessories, Glass wares, Plastic wares, Maintenance/AMC/repairing of existing equipments, Gases etc.)	500.00	2023-24
		525.00	2024-25
		600.00	2025-26
2.	Chemicals and consumables to be procured from <b>EXTERNALLY FUNDED PROJECTS</b>	546.567	2023-24
		191.553	2024-25
		118.026	2025-26
3.	Chemicals and consumables to be procured from <b>CSIR FUNDED PROJECTS</b>	584.060	2023-24
		537.410	2024-25
		409.000	2025-26

**Note:**

- ❖ The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of competent authority.
- ❖ The procurement of the chemicals & consumables would be based on the need and time to time requirement of the R&D activities of CSIR-NBRI.
- ❖ The procurement is subject to the funds availability/release of sufficient grant from CSIR/or funding agency.
- ❖ The indicated procurement value is an estimate cost only.

This is issued with the approval of the competent authority.