

The following are the equipment shortlisted for the procurement during the FY 2023-24 and subsequent 3-5 years (*under Non-project mode; out of CSIR Grant / Lab Grant*):

SI.No.	Equipment Name	Amount (in lakhs)
<b>Major Equipment's / Institutional Facility</b>		
1.	NMR 400 MHz	450.00
2.	LC-Q-ToF MS	250.00
3.	GC-MS/MS	250.00
4.	ICP-MS	200.00
5.	Hyperspectral Sensor for drone	50.00
6.	Approx. 10 feet(W)X6 feet(H) LED Screen in S.S. Bhatnagar Auditorium	48.00
7.	LAN/WAN equipment's (Switches, convertors)	40.00
8.	Wi-Fi Access points	18.00
9.	3D Printer	12.00
10.	Subwoofers with amplifier for J.C. Bose Conference Hall	5.00
11.	Powered Wireless Speaker with battery backup and accessories	5.00
12.	Digital mixing console with accessories	5.00
13.	Digital amplifier for S.S. Bhatnagar Auditorium (Qty:2)	5.00
14.	Projector Screen (4 Nos.)	5.00
15.	Computer Software	5.00
<b>Lab Specific Equipment's</b>		
16.	Plant Growth Chamber (No. 1) Process to be initiated	30.00

<b>Sl.No.</b>	<b>Equipment Name</b>	<b>Amount (in lakhs)</b>
17.	Micro-titer plate reader (1)	25.00
18.	Computers	24.00
19.	Total Organic Carbon Analyzer	20.00
20.	One High End Server/Workstation	15.00
21.	One workstation	13.00
22.	Dekstop Workstation (One) with atleast 512 GB RAM and 32 processors	13.00
23.	Fluorescent Stereo Zoom microscope	12.00
24.	Servers	12.00
25.	Micro-volume UV Visible Spectrophotometer	11.50
26.	Leaf area meter	11.00
27.	Sprinkler Irrigation system for Chandpur farm	10.00
28.	Flame photometer	10.00
29.	Incubator Shaker	10.00
30.	Dual monitor digital podium with inbuilt computer and other accessories.	10.00
31.	Microwave Digester	7.00
32.	Cell counter	7.00
33.	Hand-held Red/Far-red Sensor with cable, connector and datalogger	7.00
34.	Chemical fume hood	6.00
35.	Inverted Microscope	5.00
36.	PCR machine	5.00
37.	UV/Vis Spectrophotometer	5.00
38.	Water purification system	5.00
39.	High end workstations (01)	5.00
40.	Electronic Dendrometer	5.00
41.	Semi-micro weighing balance	4.80
42.	Spray Apparatus for bioassay studies (1 No.)	4.00

<b>Sl.No.</b>	<b>Equipment Name</b>	<b>Amount (in lakhs)</b>
43.	Compound microscope	4.00
44.	Tray drying oven	3.50
45.	Laptop (01)	3.00
46.	Sonicator	2.50
47.	Alcohol meter probe type digital	2.50
48.	Orbital shaker (clockwise and anticlockwise)	2.00
49.	Bench top shaker	2.00
50.	Dry water bath ( 2 Nos.)	2.00
51.	IP Camera with Time-lapse feature (01 unit) (As replacement of 01 unit which is not functional)	2.00
52.	Compact Camera (Interchangeable Lens with lens)	2.00
53.	Electrophoresis system	1.80
54.	DSLR Camera(01)	1.50
55.	Circulating water bath	1.50
56.	Gel electrophoresis unit for DNA (1)	1.50
57.	Precision weighing balance	1.25
58.	Photocopy Machine	1.25
59.	Power Weeder	1.00
60.	Projector with screen	1.00
61.	Analytical weighing balance	1.00
62.	pH conductivity meter	1.00
63.	Ice flake machine	1.00
64.	pH meter	1.00
65.	UPS 5 KVA (1No.)	1.00
66.	Camera DSLR (1)	0.75
67.	Laboratory shaker	0.60
68.	Gel rocker (1)	0.60
69.	Water Cooler with RO	0.60
70.	Printer, Coloured (1)	0.50
71.	One Multipurpose printer	0.35
72.	Vortex (multitube) (2 Nos.)	0.50

Sl.No.	Equipment Name	Amount (in lakhs)
73.	Compact digital camera (1)	0.50
74.	pH meter	0.40
75.	Humidity and Temperatures Logger (7No.)	0.35
76.	Hot plate with shaker	0.25
77.	Omnidirectional Dual-Channel Wireless microphone system with one receiver and two transmitter	0.25
78.	Heavy duty solid type Vernier caliper 1000 mm (1No.)	0.16
79.	Vortexer (1)	0.15
80.	Digital Thermohygrometer (2No.)	0.05
81.	Three ACs for Bioinformatics Server Room	2.00
82.	ACs	2.00
83.	Centrifuge	5.00
84.	Centrifuge	3.00
85.	Table top centrifuges (1)	2.50
86.	Mini centrifuge	0.50
87.	Equipments for Drosophila facility (CO2 regulators, Drosophila incubators, 4C refrigerators, -20C refrigerators)	20.00
88.	-80 °C Refrigerator	10.00
89.	Refrigerated centrifuge	9.50
90.	- 80°C refrigerator	08.00
91.	- 20°C refrigerator	2.50
92.	4°C refrigerator	1.50
93.	Vertical Refrigerator (-20oC; double door),	1.50
94.	Refrigerator (1No.)	1.10
95.	Double door refrigerator	1.00
96.	Refrigerator 4 degree Celsius (1)	0.50
97.	Cooling Unit 7 Liter Temperature 2-8°C (1No.)	0.12
98.	Refrigerator	0.40
99.	Chemiluminescence Reader	18.00

**Note:**

- This is a tentative list and the instrument may or may not be purchased in this financial year as per availability of funds.
- The costs indicated as above are approximate/estimate cost only.