

CSIR - INDIAN INSTITUTE OF CHEMICAL BIOLOGY

Instrument Procurement Plan for the year 2023-24

Table 1: Equipment more than 20 Lakhs

Sl. No.	Name of the Equipment	Cost in Rs. (Approx)
1	TEM	120000000.00
2	600 Mhz NMR	80000000.00
3	FACS with sorter	50000000.00
4	Fluorescence Spectroscopy with Near IR emission facility	15000000.00
5	Differential Scanning Calorimetry System (DSC)	9000000.00
6	Fast Performance Liquid Chromatography	8000000.00
7	Cigarette smoke exposure system	6000000.00
8	Ultra Speed Centrifuge	5000000.00
9	IVC and Cage Changing Station	5000000.00
10	Growth Chamber for rice	5000000.00
11	Flow Reactor	4000000.00
12	HPLC	2700000.00
13	Tray type front loading freeze dryer	2600000.00
14	Spectrofluorometer	2500000.00

Table 2: Equipment more than 5 Lakhs and less than 20 Lakhs

Sl. No.	Name of the Equipment	Cost in Rs. (Approx)
1	4 Degree Refrigerator, Vertical Laboratory Deep freezer (-20 Refrigerator), Refrigerated Microcentrifuge with LCD display (Cold Centrifuge machine), Extruder set with Holder/ Heading block, Weighing balance (Semi-micro Analytical Balance), pH meter, Bath sonicator, Vertical electrophoresis with power pack and blot transfer, Magnetic stirrer with hot plate	1500000.00
2	pH Meter, Magnetic Stirrer Hot Plate, Micro pipettes, BioSafety Cabinet, Shaking Water Bath, -80 c deep freezer, Orbital Shaker Table top electronic, High contrast display analytical semi-micro balance	1500000.00
3	High Resolution Microscope	2000000.00
4	Microtome	2000000.00
5	Plate Reader	2000000.00
6	Chemidoc with analysis software	1600000.00
7	Computer Server (2 Nos)	2000000.00
8	Oscillometry	1800000.00
9	Fluorescence microscope with FRET	1600000.00
10	Real time PCR machine	1500000.00
11	Ventilated Racks and cages	1500000.00
12	Digital polarimeter for CIF	1500000.00
13	Computer Server (2 Nos)	1500000.00
14	Co2 incubator shaker	1250000.00
15	Automated Multimode reader	1200000.00
16	Chemidoc	1200000.00
17	BOD cooled incubator	1100000.00

18	Rotary evaporator and vaccum pump	1000000.00
19	UV-Vis spectrophotometer	1000000.00
20	Upright Ultra Low freezer	1000000.00
21	Workstation for docking and DFT study	1000000.00
22	Rotary evaporator	1000000.00
23	Immersion coolers	950000.00
24	-80 freezer	900000.00
25	Freezer -80C	800000.00
26	Co2 incubator with oxygen control	800000.00
27	Co2 incubator	700000.00
28	Autoclave	700000.00
29	Biosafety Hood A-II type	700000.00
30	Class II Type A2 Biological Cabinet	700000.00
31	Hematologyanalyser	600000.00
32	Nanodrop	600000.00
33	Biosafety cabinet (BSL-2)	570000.00
34	UV/Vis Spectrophotometer	550000.00
35	Incubator shaker temperature controlled, Horizontal Gel Electrophoresis Apparatus and Laminar	550000.00
36	Small animal anaesthesia System 2 nos	800000.00

Equipment to be procured from HCP47

Sl. No.	Name of the Equipment	Cost in Rs. (Approx)
1	Shoe rack	1600.00
2	Stadiometer	3000.00
3	TVS hand held laser corded bar code reader equipment	6974.00
4	Four-Fold Curtain	9940.00
5	HP Laser Mono Printer	14246.00
6	TVS Thermal Transfer & Direct Thermal both Desktop Bar Code Printer	15104.00
7	TVS Thermal Transfer & Direct Thermal both Desktop Bar Code Printer	15110.00
8	Unbranded without wheel NA Treatment Couch	24750.00
9	Unbranded without wheel NA Treatment Couch	24750.00
10	Epson Multifunction Colour Printer	24869.00
11	Stainless Steel Skinfold Caliper	24989.00
12	Stainless Steel Skinfold Caliper	27000.00
13	Hydraulic Hand Dynamometer	43000.00
14	Laptop	112159.00
15	Allengers 12 Channels ECG Machine	115000.00
16	UPLC Column	129246.00
17	Spirometer with Flowmeter of Pneumotach (14 l/s or more with accuracy 3 %)	174000.00
18	Laptop	250000.00
19	Laboratory chilled machine with Centrifugal force	448400.00
20	Body Composition Analyzer	498000.00

21	Negative 80 degree refrigerator	800000.00
22	Oscillometry	1400000.00
23	FibroScan	12000000.00
24	Forced Oscillation Technique based Portable Oscillometry Device	1300000.00

Equipment to be procured from Externally Funded Projects

Sl. No.	Name of the Equipment	Cost in Rs. (Approx)
1	Protein crystallization grade water apparatus	500000.00
2	Western blot setup	430000.00
3	Benchtop flowbuddy	232000.00
4	Biosafety cabinet2 (Type A2)	500000.00
5	Ion meter	250000.00
6	Contact Angle Meters	413000.00

Table 3: Equipment less than 5 Lakhs

Sl. No.	Name of the Equipment	Cost in Rs. (Approx)
1	Brighfield Microscope	500000.00
2	Rotavapours	500000.00
3	Small Animal Anaesthesia Machine with accessories	500000.00
4	Incubator shaker	500000.00
5	Liquid Nitrogen Tank	500000.00
6	Body composition analyzer	500000.00
7	Refrigerated Centrifuge, Shaker, Agarose gel electrophoresis module, vortex	500000.00
8	Centrifuge	500000.00
9	Freezer, freezer of 371 Litre Capacity, Temperature -10°C ~ -25°C, refrigerator of 475 Litre Capacity, Temperature 2°C ~ 8°C	500000.00
10	Rotary evaporator	499000.00
11	Photoreactor	490000.00
12	Magnetic stirrer with electrode	490000.00
13	Melting point apparatus	490000.00
14	Magnetic Stirrer with Hot plate	490000.00
15	Table top refrigerated centrifuge	450000.00
16	High Vacuum Pump	450000.00
17	Workstations and Laptops	500000.00
18	Magnetic stirrers equipped with temperature sensors and heating facility	350000.00
19	Autoclave	300000.00
20	Recirculation chiller	450000.00
21	Compatible Signage Smart Display, USB Camera, Microphone, Compatible Rack Mountable Server	500000.00
22	Flow cytometer, Biosafety Cabinet, Real-time PCR, Deep freezer	275000.00
23	Luminometer/ Spectrophotometer	250000.00
24	Canon Duplex Automatic Document Feeder (DADF)	40000.00

25	Western blot setup	250000.00
26	Low temperature refrigerators	250000.00
27	Stirrer (6)	240000.00
28	Two desktop	200000.00
29	Diaphragm Vacuum Pump	200000.00
30	Compact analytical micro balance	200000.00
31	Western Bolt Apparatus	200000.00
32	Electrophoresis	200000.00
33	Spirometer	150000.00
34	Rotor Stator Homogenizer	150000.00
35	Incubator shaker	140000.00
36	Desktop 1 nos	100000.00
37	Hot air oven	100000.00
38	Freezer	100000.00
39	iMac	100000.00
40	NUC	100000.00
41	Micropipettes	98000.00
42	Laptop	95000.00
43	Laptop	95000.00
44	All in one Desktop PC	85000.00
45	UV transilluminator	80000.00
46	Thermal cyle	60000.00
47	Printer, Copier and scanner	51000.00
48	Incubator shaker	50000.00
49	Workstations	50000.00
50	Hot air oven(big)	40000.00
51	Dry block heater	35000.00
52	Printer Scanner 3 in 1	30000.00
53	pH meter	25000.00
54	Fridge	20000.00
55	UV light with cabinet	10000.00
56	Hot water bath	10000.00
57	Heating mantle (2)	10000.00
58	Hot Plate	5000.00

Disclaimer: This is a tentative list and the instrument may or may not be purchased in this financial year.

Se Biswas
Head PME

AB
Director