

CSIR - INDIAN INSTITUTE OF CHEMICAL BIOLOGY

Instrument Procurement Plan (3 – 5 Years)

Table 1: Equipment more than 20 Lakhs

Sl. No.	Name of the Equipment	Cost in Rs. (Approx)
1	TEM	120000000.00
2	Transmission electron microscope for imaging biological samples with microtome	90000000.00
3	600 Mhz NMR	80000000.00
4	FACS with sorter	50000000.00
5	Super resolved structured illumination microscope [SR-SIM]	40000000.00
6	Confocal microscopy based automated high content analyser	40000000.00
7	RNA Sequencing: NextSeq 1000	35000000.00
8	Ultra-high to low-frequency ultrasound system for echocardiography	25000000.00
9	LC-MS (liquid Chromatography – Mass Spectrometer)	20000000.00
10	Triple Quadrupole Mass Spectrometer	20000000.00
11	Automated patch clamp	20000000.00
12	Fluorescence Spectroscopy with Near IR emission facility	15000000.00
13	Metabolic flux analyser (Seahorse)	15000000.00
14	Microscale thermophoresis instrument	14000000.00
15	Differential Scanning Calorimetry System (DSC)	9000000.00
16	Fast Performance Liquid Chromatography	8000000.00
17	Cigarette smoke exposure system	6000000.00
18	Powder X-ray diffractometer	6000000.00
19	Ultra Speed Centrifuge	5000000.00
20	IVC and Cage Changing Station	5000000.00
21	Growth Chamber for rice	5000000.00
22	Flow Reactor	4000000.00
23	Flat bed laser based multimode scanner / molecular imager system with analysis software	4000000.00
24	HPLC	2700000.00
25	Tray type front loading freeze dryer	2600000.00
26	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	High Resolution Microscope	2000000.00
2	Microtome	2000000.00
3	Plate Reader	2000000.00
4	Plate reader	2000000.00
5	Computer Server (2 Nos)	2000000.00
6	Oscillometry	1800000.00
7	Fluorescence microscope with FRET	1600000.00
8	Real time PCR machine	1500000.00
9	Ventilated Racks and cages	1500000.00
10	Digital polarimeter for CIF	1500000.00

11	Computer Server (2 Nos)	1500000.00
12	Co2 incubator shaker	1250000.00
13	Automated Multimode reader	1200000.00
14	Chemidoc	1200000.00
15	BOD cooled incubator	1100000.00
16	Rotary evaporator and vaccum pump	1000000.00
17	UV-Vis spectrophotometer	1000000.00
18	Upright Ultra Low freezer	1000000.00
19	Workstation for docking and DFT study	1000000.00
20	Rotary evaporator	1000000.00
21	Immersion coolers	950000.00
22	-80 freezer	900000.00
23	Freezer -80C	800000.00
24	Co2 incubator with oxygen control	800000.00
25	Co2 incubator	700000.00
26	Autoclave	700000.00
27	Biosafety Hood A-II type	700000.00
28	Class II Type A2 Biological Cabinet	700000.00
29	Hematologyanalyser	600000.00
30	Nanodrop	600000.00
31	Biosafety cabinet (BSL-2)	570000.00
32	UV/Vis Spectrophotometer	550000.00
33	Incubator shaker temperature controlled, Horizontal Gel Electrophoresis Apparatus and Laminar	550000.00

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	500000.00
8	Centrifuge	500000.00
9	Freezer	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	400000.00
18	Magnetic stirrers equipped with temperature sensors and heating facility	350000.00
19	Autoclave	300000.00

20	Recirculation chiller	300000.00
21	Laptops	300000.00
22	Flow cytometer, Biosafety Cabinet, Real-time PCR, Deep freezer	275000.00
23	Luminometer/ Spectrophotometer	250000.00
24	Western blot setup	250000.00
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 cycler	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.

Head PME

Director