

**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.<br>(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.<br>(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 vacuum 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.<br>(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.

*Se Biswas*  
Head PME

*AB*  
Director