

## [CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY]

Procurement Plan  
[Financial Year 2026-27]**[A] Equipment:****Table 1:** Equipment for procurement during the FY 2026-27 and subsequent 3 – 5 years  
(under **Non-project mode**; out of **CSIR Grant / Lab Grant**):

| Financial Year 2026-2027 |                                                                                      |                 |                                 |
|--------------------------|--------------------------------------------------------------------------------------|-----------------|---------------------------------|
| S. No.                   | Name of Equipment / Item                                                             | Quantity (Nos.) | Approximate Cost (Rs. in Lakhs) |
| 1                        | Surface Plasmon Resonance                                                            | 1               | 270.000                         |
| 2                        | Liquid Nitrogen generation plant                                                     | 1               | 150.000                         |
| 3                        | Nanotracking analyzer with zetapotential                                             | 1               | 119.000                         |
| 4                        | Controlled Aerosol Generation delivery system                                        | 1               | 60.000                          |
| 5                        | Next Generation Firewall set with High Availability mode                             | 1               | 60.000                          |
| 6                        | Bioinformatics and computational server facility                                     | 1               | 60.000                          |
| 7                        | Inverted fluorescent microscope                                                      | 1               | 50.000                          |
| 8                        | FPLC (Fast protein liquid chromatography)                                            | 1               | 50.000                          |
| 9                        | Small animal X ray irradiation                                                       | 1               | 40.000                          |
| 10                       | Servers for Hosting Websites/ Web Applications                                       | 2               | 30.000                          |
| 11                       | Electroporator                                                                       | 1               | 25.000                          |
| 12                       | Cryostat                                                                             | 1               | 25.000                          |
| 13                       | Automated nucleic acid analyser                                                      | 1               | 24.900                          |
| 14                       | Automatic tissue processor                                                           | 1               | 23.500                          |
| 15                       | Real Time qPCR Systems                                                               | 2               | 20.000                          |
| 16                       | Multi User Support Microphone Setup including Accessories for VC and Hybrid Meetings | 6               | 18.000                          |
| 17                       | High end desktop computers                                                           | 23              | 16.935                          |
| 18                       | Computer workstation                                                                 | 1               | 15.000                          |
| 19                       | Tissue embedding center                                                              | 1               | 14.200                          |

|    |                                                      |    |        |
|----|------------------------------------------------------|----|--------|
| 20 | Magnetic Stirrers (Including Hot Plates)             | 15 | 13.500 |
| 21 | Crystallization incubator (vibration-free)           | 1  | 10.000 |
| 22 | Temperature control MOF Crystallization Chamber      | 2  | 10.000 |
| 23 | RI detector for existing HPLC                        | 1  | 10.000 |
| 24 | Photocopier Machines                                 | 3  | 9.000  |
| 25 | Refrigerated shaker incubator                        | 1  | 8.500  |
| 26 | Refrigerated Centrifuge with Roter15/50ml            | 1  | 8.000  |
| 27 | Cold water circulator (chiller)                      | 1  | 7.500  |
| 28 | Hood type commercial dishwashers                     | 1  | 6.018  |
| 29 | Spot extractor                                       | 3  | 6.000  |
| 30 | Monochrome camera with update for cellsens dimension | 1  | 5.782  |
| 31 | Photocatalytic Reactor Setup with Accessories        | 1  | 5.000  |
| 32 | Multifunction Printers / Scanners                    | 7  | 4.750  |
| 33 | DNA/RNA/protein quantification fluorometer           | 1  | 3.800  |
| 34 | Western Blot Dry transfer unit                       | 1  | 3.500  |
| 35 | Metabolic caging system for rats                     | 1  | 3.350  |
| 36 | Weighing Balances                                    | 2  | 3.000  |
| 37 | Probe Sonicator                                      | 1  | 2.000  |
| 38 | Temperature controlled MOF crystallization chamber   | 1  | 2.000  |
| 39 | Refrigerator (4 to Minus 4 degree C)                 | 2  | 1.300  |
| 40 | Laboratory refrigerator                              | 1  | 0.650  |
| 41 | Aspirator                                            | 1  | 1.500  |
| 42 | Sieve Shaker                                         | 1  | 1.500  |
| 43 | SS column for chromatography                         | 4  | 1.500  |
| 44 | SS Percolator                                        | 4  | 1.500  |
| 45 | Analytical weighing balance                          | 1  | 1.500  |
| 46 | BOD Incubator                                        | 1  | 1.200  |
| 47 | Power Pac                                            | 1  | 1.200  |
| 48 | BOD incubator                                        | 1  | 1.200  |
| 49 | Voltage stabilizer (1 to 20KVA)                      | 3  | 1.000  |
| 50 | Laptop                                               | 1  | 0.904  |
| 51 | Digital pH meter                                     | 1  | 0.780  |
| 52 | Printers (Standalone)                                | 2  | 0.600  |
| 53 | Mechanical grinder                                   | 1  | 0.500  |
| 54 | UPS                                                  | 1  | 0.500  |
| 55 | Hot air oven                                         | 1  | 0.500  |
| 56 | Water Bath                                           | 1  | 0.500  |
| 57 | Rocker                                               | 1  | 0.300  |
| 58 | Microoven                                            | 1  | 0.200  |
| 59 | Server operating system                              | 1  | 1.350  |
| 60 | Server database management software                  | 1  | 1.000  |

|  |                                                                                                                         |  |               |
|--|-------------------------------------------------------------------------------------------------------------------------|--|---------------|
|  | <b>Furniture (Laboratory Table, Bench, Chairs, Stool, Cabinets, Racks &amp; Shelving, Trolleys, Almirah, Sink etc.)</b> |  | <b>200.00</b> |
|--|-------------------------------------------------------------------------------------------------------------------------|--|---------------|

| <b>Next 3-5 Years</b> |                                                                                         |                        |                                        |
|-----------------------|-----------------------------------------------------------------------------------------|------------------------|----------------------------------------|
| <b>S. No.</b>         | <b>Name of Equipment / Item</b>                                                         | <b>Quantity (Nos.)</b> | <b>Approximate Cost (Rs. in Lakhs)</b> |
| 1                     | High-resolution accurate-mass liquid chromatography tandem mass spectrometer (Orbitrap) | 1                      | 780.000                                |
| 2                     | Nanopore-Based Single-Molecule Real-Time DNA/RNA Sequencer                              | 1                      | 744.000                                |
| 3                     | Field Emissive-Scanning Electron microscopy                                             | 1                      | 600.000                                |
| 4                     | Transmission electron microscope                                                        | 1                      | 555.000                                |
| 5                     | Next Generation Sequencing Platforms                                                    | 1                      | 400.000                                |
| 6                     | Metabolic flux analyzer                                                                 | 1                      | 200.000                                |
| 7                     | Gas and Vapor adsorption analyzer                                                       | 1                      | 130.000                                |
| 8                     | Nanotracking Analyzer                                                                   | 1                      | 90.000                                 |
| 9                     | Small Particle Analyzer with Fluorescence                                               | 1                      | 90.000                                 |
| 10                    | Multiplex Immunoassay System                                                            | 1                      | 82.000                                 |
| 11                    | Ultracentrifuge with three rotors                                                       | 1                      | 82.000                                 |
| 12                    | Computer workstations (> 2 no)                                                          | 2                      | 45.000                                 |
| 13                    | Fragment Analyzers (DNA/RNA)                                                            | 2                      | 60.000                                 |
| 14                    | Benchtop Pyrosequencer with Automated Template Preparation                              | 1                      | 60.000                                 |
| 15                    | Glove Box                                                                               | 1                      | 55.000                                 |
| 16                    | Gradient station with integrated gradient master and gradient fractionator              | 1                      | 53.000                                 |
| 17                    | Chemidoc Systems (>3 nos)                                                               | 3                      | 50.000                                 |
| 18                    | Cell Disruptors (>2 nos)                                                                | 2                      | 50.000                                 |
| 19                    | CO2 Incubators with Shaking                                                             | 2                      | 50.000                                 |
| 20                    | Minus 80°C Ultra Deep Freezers (>4 nos)                                                 | 4                      | 40.000                                 |
| 21                    | Flash Chromatography Systems (> 2 nos)                                                  | 2                      | 35.000                                 |
| 22                    | Rotary Evaporators with chiller (>5 nos)                                                | 3                      | 30.000                                 |

|    |                                                |    |                |
|----|------------------------------------------------|----|----------------|
| 23 | Desktop computers, Laptop computers (> 20 nos) | 21 | 30.000         |
| 24 | Rotational Thromboelastometry (ROTEM)          | 1  | 25.000         |
| 25 | Mechano-chemical reactor                       | 1  | 25.000         |
| 26 | Refrigerated Speed Vacuum concentrator         | 1  | 22.000         |
|    | <b>TOTAL</b>                                   |    | <b>4528.00</b> |

**Table 2:** Equipment for procurement during the FY 2026-27 and Next 3-5 years under **CSIR-Funded Projects (CSIR Project Mode):**

| Financial Year 2026-2027 |                                                             |                 |                                 |                     |
|--------------------------|-------------------------------------------------------------|-----------------|---------------------------------|---------------------|
| S. No.                   | Name of Equipment / Item                                    | Quantity (Nos.) | Approximate Cost (Rs. in Lakhs) | Project Number/Code |
| 1.                       | Small incubator                                             | 1               | 5.000                           | MMP075203           |
| 2.                       | Zetasizer                                                   | 1               | 48.000                          | FTT080601           |
| 3.                       | UV ozone cleaner                                            | 1               | 2.000                           | FTT080601           |
| 4.                       | Mid-end computation servers                                 | 2               | 4.431                           | MMP015203           |
| 5.                       | Minor Equipments (Upright Freezers, Vertical autoclave etc) |                 | 3.000                           | HCP47               |
| 6.                       | Benchtop cooling centrifuge 15/50ml                         | 1               | 5.000                           | MMP075203           |
| 7.                       | Benchtop cooling centrifuge 1.5/2ml                         | 1               | 3.000                           | MMP075203           |
| 8.                       | Micropipette set                                            | 4               | 3.000                           | MMP075203           |
| 9.                       | Weighing Balance                                            | 1               | 1.500                           | MMP075203           |
| 10.                      | -20°C freezers                                              | 2               | 2.500                           | MMP075203           |
| 11.                      |                                                             |                 |                                 |                     |

| Next 3-5 Years |                          |                 |                                 |                     |
|----------------|--------------------------|-----------------|---------------------------------|---------------------|
| S. No.         | Name of Equipment / Item | Quantity (Nos.) | Approximate Cost (Rs. in Lakhs) | Project Number/Code |
|                | None                     | N/A             | N/A                             | N/A                 |
|                |                          |                 |                                 |                     |

**Table 3:** Equipment for procurement during the FY 2026-27 and Next 3-5 years under

**Externally Funded Projects (EFP):**

| <b>Externally Funded Projects (EPF)</b> |                                                              |                        |                                        |                             |
|-----------------------------------------|--------------------------------------------------------------|------------------------|----------------------------------------|-----------------------------|
| <b>S. No.</b>                           | <b>Name of Equipment / Item</b>                              | <b>Quantity (Nos.)</b> | <b>Approximate Cost (Rs. in Lakhs)</b> | <b>Project Number/ Code</b> |
| 1                                       | Peristaltic pump                                             |                        | 3.894                                  | GAP505                      |
| 2                                       | Electrophoresis unit and Powerpack                           |                        | 2.328                                  | GAP505                      |
| 3                                       | Benchtop Incubator shaker                                    |                        | 0.859                                  | GAP505                      |
| 4                                       | Biological Safety Cabinet, Incubator shaker & Thermal Cycler |                        | 22.980                                 | GAP507                      |

**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 is subject to the funds availability/release of sufficient grant from CSIR / or funding agency.
- The costs indicated as above are approximate/estimate cost only.

**[CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY]****Procurement Plan****[Financial Year 2026-27]**

**[B] Consumables:** The following categories of consumables are likely to be procured during the FY 2026- 27.

**Table 3:** Consumables likely to be procured during **Financial Year 2026-27** (Annual):

| <b>S. No.</b> | <b>Category</b>                                                                                                                                                                                                                                                                                                                                                                               | <b>Expected Procurement Value (Rs. In Lakhs)</b> |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 1             | Chemicals (ex.- Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, Antibodies, catalysts-Pd, ligands, Directing groups, additives, amines, alcohols, acids, halides, nitriles, aldehydes, ketones, esters, amino acids, peptides, aromatic compounds, common salts, oxidizing agents, reducing agents, common dry solvents etc)              | 1500.00                                          |
| 2             | Other Consumables (ex- Insecticide, Raw Materials, Packing Material, Column, Syringes, Transcriptome and Metagenome Analysis, Metabolites analyses, Farm Consumables, TLC Plates, Filter papers, Planting materials, seeds, Chemical standards, Essential oils, Standard aroma molecules, Animal feed, Cell Lines, Agriculture accessories, Jmjd3flox mice, B6(Cg)-Pigrtm1.1Srmr/J mice etc.) | 500.00                                           |
| 3             | Glass wares (ex- glass bottles, conical flasks, glass plates, thin plates, test tubes, funnel, beakers, glass bottles, culture tubes, petri plates etc., Measuring Cylinders, Beakers, Conical Flask, Glass Bottles etc.)                                                                                                                                                                     | 100.00                                           |
| 4             | Plastic wares (ex- Plate, Dish, peptide, Micro tips, Reagent reservoir, Gloves, Beaker, Tubes, PCR Tubes, Falcons, Pipette Tips, Holders, Plastic trays, T25 and T75 culture flasks, 35 mm, 60 mm culture dishes, Chamber slides, 5ml, 10ml, 25 ml pipets, Pipet tips 10 µl, 200µl, 1000 µl without or with filters,                                                                          | 80.00                                            |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|    | companion plates, Inserts with 1 µm pores, Combs for scratch, Filters, syringes, Vacuum tubes, 15 ml and 50 ml sterile conical tubes etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |
| 5  | Cartridges, Batteries (Cartridges of different types of printers e.g. 12a, 78A, 88A etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10.00  |
| 6  | Gases (ex- Nitrogen, Helium, Oxygen etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 70.00  |
| 8  | Maintenance/AMC/repairing of existing equipment (JEOL JMS-700 MASS SPECT, GCMS(QP2020), Bruker XRD D8 Venture, Water Chiller with Bruker XRD D8 Venture, Jeol 400 MHZ NMR, LEICA TCS SPD Confocal, LTQ Orbitrap XL Mass Spectrometer, LC MS-ESI HRMS, Xfe 24 Sea Horse Instrument, Zeiss Microscope, LSM 800, Zeiss Microscope, LSM 980, Miseq, IVIS, AFM, HPLC Agilent, GC Agilent, Affinity Isothermal Titration Calorimeter, BLI Octet RED 96e, Zetasizer Nano ZS, Liquid Helium, Liquid Nitrogen, Nitrogen Gas, BD LSRFortessa, BD FORTESSA, BD ARIA, Analytical HPLC systems, Affinity Iso-Thermal Titration Calorimetry, D8 Venture SC XRD System, Raman Spectrometer, Desktops, Laptops, Printers, Network System, UPS System)                                                                                                                                                                                                                                                                                                                                   | 250.00 |
| 9  | Stationary items (Printer Papers, AAA and AA Batteries, Files, Movement Boards, Pens, A4 papers, Sticky Notes, Tapes, Pen Drives, Note Books, Duster Cloths, Green Sheets, Name Boards, Stickers, Stamps, Glue Sticks, Cable Tags, Label Stickers, Registers books etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 35.00  |
| 10 | IT / software-related Items (Office Suite Software, Antivirus Software, Cat6 Cables, RJ45 Connectors, Fiber LIU, HDMI Cables, USB Extension Cables, Power Cables, Media Adapters / Converters, USB to RJ45 Converters, Trolley for Items movement, Wireless Key Board and Mouse Set, Wired Key Board and Mouse Set, 8 Port / 16 Port LAN Extension Switch, Printer Cartridges, Wi-Fi Router, Wall Clamps, Pen drives, External Storage, Hard Disk Drives, Fiber Patch Cords, DVD Writers, DVD's, SSD Hard Disks, RAM for Desktops , RAM for Laptops, SATA Hard Disk Case, HDD Hard Disk Case, Tools Kit, Audio Cables, Audio Jacks, Media Converters, Laser Pointers, Slide Changers, Multi-Mode Fiber SFP Module, Single-Mode Fiber Module, Fiber SFP / SFP+ Compatible Modules, Adapters, USB Hub, Multiport Adapters, USB to LAN converters, Web camera, Cat 6 I/O Set , Crimping Tools , Cloning Tools , Tool Kit Set, Storage Bag, Camera Stand, Access Point Stand, , Fire TV Stick, TV Remote Stand, Compatible Remote, Services or Subscriptions Renewal, etc.) | 250.00 |

|    |                                                 |       |
|----|-------------------------------------------------|-------|
| 11 | Furniture (Name the items required during year) |       |
| 13 | Electric Items (Tube lights, UV lights)         | 10.00 |

**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-II CB
- The procurement is subject to the funds availability/release of sufficient grant from CSIR / or funding agency.
- The indicated procurement value is an estimate only. This is issued with the approval of the competent authority.