

CSIR-North East Institute of Science and Technology
Procurement Plan (Equipments)
Financial Year 2025-26

[A] Equipment:

Table-1: Equipment for procurement during the FY 2025-26 and subsequent 3 – 5 years (under Non-project mode; out of CSIR Grant / Lab Grant): P50
Financial Year 2025-2026

| Sl. No. | Name of the Equipment/Item | Quantity | Approximate Cost (Rs. In Lakhs) |
|---------|--|----------|---------------------------------|
| 1 | Network Attached Storage (NAS)-Equipped with server and network switch | 1 | 30.00 |
| 2 | Rotor Centrifuge 2-16P (As spare parts) Sigma Cat. No. 12071, Rotor angle for 12 x 15ml culture e.g. no. 15115 and 6 x 50ml culture e.g. no. 15151 | 1 | 2.00 |
| 3 | Shaking incubator | 1 | 12.00 |
| 4 | Culture rack | 1 | 3.00 |
| 5 | BOD Incubator | 2 | 2.50 |
| 6 | Laminar Airflow | 1 | 1.20 |
| 7 | Gas Chromatogram (GC) | 1 | 18.00 |
| 8 | Kjelhahl system | 1 | 7.00 |
| 9 | Lyophilizer | 1 | 15.00 |
| 10 | FT-IR | 1 | 30.00 |
| 11 | Flash Chromatography | 1 | 50.00 |
| 12 | Horizontal laminar airflow | 1 | 3.00 |
| 13 | Plant Tissue Culture Facility with cooling system | 1 | 12.00 |
| 14 | Biosafety Cabinet | 1 | 6.00 |
| 15 | Gradient Thermocycler | 1 | 4.00 |
| 16 | Gel Doc System | 1 | 15.00 |
| 17 | Micromode Reader | 1 | 40.00 |
| 18 | Tensiometer | 1 | 40.00 |
| 19 | Refrigerated Table Top Centrifuge | 1 | 15.00 |
| 20 | Photosynthetic Apparatus | 1 | 50.00 |
| 21 | Automated DNA Extractor | 1 | 20.00 |
| 22 | Photoperiod-controlled plant tissue culture racks | 2 | 3.60 |
| 23 | GCMS with ECD/FID detector | 1 | 95.00 |
| 24 | PCR GRADIENT | 1 | 5.00 |
| 25 | Microwave oven | 1 | 0.18 |
| 26 | Shaker Incubator | 1 | 14.00 |

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|----|--|----|--------|
| 27 | Long Read Real Time Nanopore Sequencing System (Upgradation of existing Nanopore system as the existing model is now obsolete) | 1 | 15.00 |
| 28 | TGA-MS | 1 | 120.00 |
| 29 | Film making machine | 1 | 20.00 |
| 30 | Dehumidifier | 1 | 7.00 |
| 31 | Fume hood | 1 | 5.00 |
| 32 | Multimode Microplate reader | 1 | 30.00 |
| 33 | Chemiluminescent gel doc system | 1 | 30.00 |
| 34 | Mini Spray Dryer | 1 | 10.00 |
| 35 | Western blot apparatus complete with all accessories | 1 | 5.00 |
| 36 | Agarose Gel electrophoresis system | 1 | 4 .0 |
| 37 | -80 Deep Freezer | 1 | 12.00 |
| 38 | CO2 incubator | 1 | 10.00 |
| 39 | Rotarod Apparatus | 1 | 3.00 |
| 40 | Refrigerator (-20°C) | 1 | 2.50 |
| 41 | Vacuum pump with controller | 1 | 3.00 |
| 42 | IVC cage system | 3 | 50.00 |
| 43 | Automated rotatary microtome for histology | 1 | 12.00 |
| 44 | Glass Reflux Reaction Cum Fractional Distillation | 1 | 12.00 |
| 45 | Recirculating Chiller | 1 | 10.00 |
| 46 | Chiral HPLC system | 1 | 50.00 |
| 47 | UV-Vis-NIR Spectrophotometer | 1 | 5.00 |
| 48 | Fume Hoods | 18 | 125.00 |
| 49 | Rotary evaporators | 3 | 20.00 |
| 50 | CHNS | 1 | 90.00 |
| 51 | TDS /Conductivity meter (multiparameter) | 1 | 3.00 |
| 52 | Turbidity meter | 1 | 1.80 |
| 53 | Mechanicalshaker(reciprocating) | 1 | 1.60 |
| 54 | Multimode Elisa Plate Reader | 1 | 18.00 |
| 55 | Lyophilizer | 1 | 15.00 |
| 56 | Centrifuge 40C (15000rpm) Multirotor | 1 | 8.00 |
| 57 | Photoluminescence spectrometer | 1 | 15.00 |
| 58 | Combiflash | 1 | 25.00 |
| 59 | Permeablity/porosity meter | 1 | 10.00 |
| 60 | Hollow fiber coating machine | 1 | 80.00 |
| 61 | Membrane set up for Produced Water Treatment | 1 | 20.00 |

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|----|--|-------|--------|
| 62 | Reactor with electrical heating arrangement, VFD controlled stirring - 25 lit | 1 | 10.00 |
| 63 | Pressure Nutsche Filter | 1 | 5.00 |
| 64 | Opto digital Microscope for 2D and 3D imaging | 1 | 70.00 |
| 65 | Automatic Outdoor Environment weather station with accessories for data analysis | 1 | 15.00 |
| 66 | Radiographic/ NDT Testing Set up for Steel and Metal | 1 | 25.00 |
| 67 | Workstation for simulation and modelling software | 3 | 25.00 |
| 68 | Magneto-Telluric Equipment | 1 | 80.00 |
| 69 | Multi-channel Analysis of Surface Waves Equipment (48 Channel) | 1 | 100.00 |
| 70 | Portable Gas Analyser | 1 | 10.00 |
| 71 | High-end desktop computer/server | 1 | 2.00 |
| 72 | Portable water quality analyser | 1 | 1.50 |
| 73 | L2 Featured Managed Network Switch and Restructuring of Institutional LAN | 1 Set | 130.00 |
| 74 | Online Gas Chromatography | 1 | 80.00 |
| 75 | Rota Vapor | 1 | 10.00 |
| 76 | Hoods | 2 | 14.00 |
| 77 | Water Vapour Permeability Analyser | 1 | 10.00 |
| 78 | NIR Laser System with variable wavelength | 1 | 20.00 |
| 79 | Multipurpose Stirrer | 4 | 10.00 |
| 80 | Optical Tensiometer | 1 | 10.00 |
| 81 | Surface Plasma Cleaner | 1 | 15.00 |
| 82 | Teflon Lined Hydrothermal Autoclave | 1 | 2.00 |
| 83 | Hot plate Magnetic Stirrer with Temperature Knob | 5 | 4.50 |
| 84 | Assemble Light measuring meter with portable dark cabinet. (Range: 0% darkness) | 1 | 20.00 |
| 85 | Humidity Chamber | 1 | 4.96 |
| 86 | Portable Multi-Gas Analysers | 2 | 34.00 |
| 87 | Desktop | 67 | 73.70 |
| 88 | Laptop | 2 | 1.90 |
| 89 | Plant Growth and hardening Facility for Genome Edited Plants (PGHFGEP) | 1 | 30.00 |
| 90 | High-End Storage Server | 1 | 30.00 |
| 91 | Network Switch | 1 | 3.00 |
| 92 | High Capacity water Purification System | 2 | 10.00 |
| 93 | Ultrasonic Pulse Velocity (UPV) Testing Equipment | 1 | 8.00 |
| 94 | fume Hoods | 5 | 40.00 |
| 95 | Filament extruder | 1 | 6.00 |
| 96 | Flammability Testing Equipment | 1 | 5.00 |

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| 97 | Pin on Disc Wear Testing Machine | 1 | 5.00 |
| 98 | Thermal Conductivity Measuring Apparatus/ Setup Composite Board | 1 | 5.00 |
| 99 | Laboratory Ball Mill | 1 | 4.00 |
| 100 | Humidity Chamber | 1 | 5.00 |
| 101 | Semi-automated Rotary Microtome (Semi motorized) | 1 | 15.00 |
| 102 | Non-refrigerated Centrifuge | 1 | 0.97 |
| 103 | Recirculating Chiller | 1 | 2.50 |
| 104 | Vertical Deep Freezer | 1 | 0.85 |
| 105 | High Performance Desktop Computer, Intel i7 | 9 | 9.54 |
| 106 | Cement concrete mixture machine (half bag) with 2KW electric motor. | 1 | 1.00 |
| 107 | Desktop Computer with UPS | 1 | 1.20 |

| Next 3-5 Years | | | |
|----------------|---|----------|---------------------------------|
| Sl. No. | Name of the Equipment/Item | Quantity | Approximate Cost (Rs. In Lakhs) |
| 1 | Cluster Server (Equipped with Five High-end servers with recent configuration, infiniband High Data Transfer Switch, Network Switch with suitable rack) | 1 | 170.00 |
| 2 | One Gradient Thermocycler (PCR) | 1 | 6.00 |
| 3 | Lyophilizer of 4 litres with compressor and vacuum pump for freeze drying at -110 °C | 1 | 5.00 |
| 4 | Water Distillation unit of 50 litres/hour | 1 | 6.00 |
| 5 | Nanodrop | 1 | 12.00 |
| 6 | Multi-mode microplate reader | 1 | 55.00 |
| 7 | Ultra-Centrifuge | 1 | 30.00 |
| 8 | Microwave extraction unit | 1 | 20.00 |
| 9 | Fraction collector for existing HPLC | 1 | 20.00 |
| 10 | Type I and Type II water purification system | 1 | 15.00 |
| 11 | Flow cytometry | 1 | 40.00 |
| 12 | Liquid Chromatography-Mass Spectrometry (MS-triple quadruple) | 1 | 300.00 |
| 13 | Tower workstation (56 cores, 256 GB RAM) | 1 | 10.00 |
| 14 | Vertical autoclave | 3 | 8.00 |
| 15 | Digital pH meter | 3 | 3.00 |
| 16 | Light Microscope with Imaging Facility for cell biology work | 1 | 7.00 |
| 17 | Automated Ice flaking machine for molecular biology work | 2 | 6.00 |
| 18 | BioMerieux VITEK 2 COMPACT System | 1 | 15.00 |
| 19 | Ultra Refrigerator -20°C & -80°C | 2 | 14.00 |

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| 20 | Power Backup for Instruments (2 KVA) | 3 | 10.00 |
| 21 | Shaker Incubator | 1 | 10.00 |
| 22 | Refrigerated Centrifuge | 1 | 10.00 |
| 23 | Graphite furnace | 1 | 200.00 |
| 24 | XRD | 1 | 500.00 |
| 25 | Glove Box | 1 | 30.00 |
| 26 | Aerosol monitoring station | 1 | 40.00 |
| 27 | DMA | 1 | 150.00 |
| 28 | Mini Capsule Filling Machine | 1 | 5.00 |
| 29 | 4 Degree Fridge | 1 | 1.00 |
| 30 | Maze system (animal house) | 1 | 12.00 |
| 31 | CO2 Incubator | 1 | 10.00 |
| 32 | Refrigerated table top centrifuge | 1 | 7.00 |
| 33 | Stability chamber | 1 | 3.00 |
| 34 | Lyophilizer | 1 | 15.00 |
| 35 | Automated flash chromatography system | 1 | 20.00 |
| 36 | NIR laser with thermal imaging system for photothermal therapy and other biomedical application | 1 | 20.00 |
| 37 | Microwave synthesizer | 1 | 30.00 |
| 38 | FT-IR | 1 | 80.00 |
| 39 | Hot air oven | 1 | 6.00 |
| 40 | Portable unblock electronic Balance | 1 | 1.00 |
| 41 | Double Door FREEZER | 1 | 5.00 |
| 42 | Clevenger Apparatus | 1 | 1.00 |
| 43 | Probe Sonicator | 1 | 8.00 |
| 44 | Shelf Life Measurement Device | 1 | 35.00 |
| 45 | Continuous Distillation Unit | 1 | 70.00 |
| 46 | NF membrane testing machine | 2 | 30.00 |
| 47 | Stirrer | 4 | 3.00 |
| 48 | Oven | 1 | 5.00 |
| 49 | Muffle Furnace | 1 | 8.00 |
| 50 | Shaker bath | 1 | 2.00 |
| 51 | Lyophilizer | 1 | 10.00 |
| 52 | Ultrasonic processors | 1 | 11.00 |
| 53 | Advanced overhead stirrer | 1 | 5.00 |
| 54 | Laboratory furniture | 1 | 20.00 |
| 55 | Refrigerators | 2 | 1.60 |
| 56 | Laboratory ball mill | 1 | 1.50 |

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|----|---|-------|--------|
| 57 | Inert gas chamber | 1 | 15.00 |
| 58 | Laboratory Water Chiller | 1 | 5.00 |
| 59 | Metal 3d Printer with wash station and sinter station with gas supply accessories | 1 | 350.00 |
| 60 | Laser cutting machine with accessories | 1 | 200.00 |
| 61 | Broadband seismograph | 5 | 125.00 |
| 62 | Strong motion accelerograph | 5 | 75.00 |
| 63 | Radon monitoring system for water and soil | 1 | 15.00 |
| 64 | High-end servers | 2 | 8.00 |
| 65 | Petrographic microscope with complete rock sample preparation kit | 1 | 80.00 |
| 66 | VoIP Telephone Network | 1 Set | 50.00 |
| 67 | Audio Visual Equipment for Dr J N Auditorium | 1 Set | 150.00 |
| 68 | High Pressure Reactor | 2 | 60.00 |
| 69 | UV-Visible Spectroscopy with NIR and Low Temperature | 1 | 30.00 |
| 70 | TGA-DSC | 1 | 35.00 |
| 71 | Gas sorption analyzer | 1 | 120.00 |

Table 2: Equipment for procurement during the FY 2025-26 and Next 3-5 years under CSIR-Funded Projects (CSIR Project Mode):

| Financial Year 2025-2026 | | | | |
|--------------------------|--|----------|---------------------------------|-----------------------------------|
| Sl. No. | Name of the Equipment/Item | Quantity | Approximate Cost (Rs. In Lakhs) | Project Number/Code |
| 1 | Solid State Fermenter and Accessories (Bioreactor) | 1 No. | 35.00 | FTT020509 |
| 2 | Feed Pellet Maker | 1 No. | 6.00 | FTT020509 |
| 3 | Customized Bio-floc Based Farming Units | 4 No. | 7.00 | FTT020509 |
| 4 | Plant Growth and Hardening Facility for Genome-Edited Plants | 1 | 30.00 | MMP-025301 |
| 5 | Plant Tissue Lysis System | 1 | 9.00 | MMP-025301 |
| 6 | Fluorescence Imaging System | 1 | 15.00 | MMP-025301 |
| 7 | Pilot scale setup/reactor system and accessories | 1 | 15.00 | FTT080509 |
| 8 | GC | 1 | 30.00 | H2T Misson |
| 9 | Electrochemical work station for H2 evolution reaction | 1 | 30.00 | H2T Misson |
| 10 | Membrane Reactor | 1 | 3.00 | Proposed Natural Hydrogen Mission |
| 11 | Membrane Gas separation portable system | 1 | 3.00 | FBR080306 |
| 12 | Centrifuge | 1 | 2.50 | FBR080306 |
| 13 | Membrane bioreactor system | 1 | 3.00 | FBR080306 |

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|----|--|--------|--------|--------------|
| 14 | Ultrasonic bath | 1 | 0.50 | FBR080306 |
| 15 | Hollow fiber casting machine (small scale) | 1 | 3.00 | FBR080306 |
| 16 | Different experimental equipments for demonstration for students under jigyasha project along with computer and camera | 01 set | 13.00 | HCP-0101 |
| 17 | Portable Gas Analyser | 3 | 36.00 | CSIR H2T |
| 18 | Multi-channel electrical resistivity meter | 5 | 125.00 | CSIR-Mission |
| 19 | High-end desktop computers | 10 | 15.00 | CSIR-Mission |
| 20 | Overhauser magnetometer (for MPMGO) | 1 | 80.00 | CSIR-Mission |
| 21 | Gravity separation set-up | 1 | 5.00 | FTT080509 |
| 22 | Sieve Shaker set-up | 1 | 5.00 | FTT080509 |
| 23 | Flotation column | 1 | 5.00 | FTT0805-09 |
| 24 | Vacuum pump with filtration unit | 1 | 3.00 | CSIR-Mission |
| 25 | Centrifuge | 1 | 6.00 | CSIR-Mission |
| 26 | Autoclave | 1 | 1.00 | CSIR-Mission |
| 27 | Heating mantle | 5 | 4.00 | CSIR-Mission |
| 28 | Muffle Furnace | 1 | 2.00 | CSIR-Mission |
| 29 | Hot Air Oven | 1 | 2.00 | CSIR-Mission |
| 30 | Portable Multi-Gas Analysers | 2 | 34.00 | MMP065202 |
| 31 | CNC Machine facility with CNC simulator | 1 | 70.00 | HCP-2502 |
| 32 | Welding simulator with battery operated welding demonstration | 1 | 26.00 | HCP-2502 |
| 33 | Upgradation of solid works software | 1 | 16.00 | HCP-2502 |
| 34 | Workstation and storage | 1 | 12.00 | HCP-0101 |

| Next 3-5 Years | | | | |
|----------------|-----------------------------|----------|---------------------------------|---------------------|
| Sl. No. | Name of the Equipment/Item | Quantity | Approximate Cost (Rs. In Lakhs) | Project Number/Code |
| 1 | Broadband seismograph | 10 | 250.00 | CSIR Mission |
| 2 | Long-period seismograph | 10 | 250.00 | CSIR Mission |
| 3 | Strong motion accelerograph | 5 | 75.00 | CSIR Mission |

Table 3: Equipment for procurement during the FY 2025-26 and Next 3-5 years under Externally Funded Projects (EFP):

| Financial Year 2025-2026 | | | | |
|--------------------------|--|----------|---------------------------------|---------------------------|
| Sl. No. | Name of the Equipment/Item | Quantity | Approximate Cost (Rs. In Lakhs) | Project Number/Code |
| 1 | Network Attached Storage Cluster (Equipped with server and network switch) | 1 | 30.00 | Proposed in a DBT project |
| 2 | Shaking Plant Growth Refrigerated Incubator | 1 | 15.00 | GPP0434 |

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|----|--|----|---------|-----------------|
| 3 | Ultra freezer | 1 | 9.50 | Not allotted |
| 4 | Workstation (20 core, 128 GB RAM) | 1 | 5.00 | Not allotted |
| 5 | BSL-2 | 1 | 8.00 | GPP-0423 |
| 6 | Gas analyser (CAAQMS) | 1 | 50.00 | GPP325 |
| 7 | Coal biomass gasifier with gas engine | 1 | 25.00 | GPP425 |
| 8 | Magnetic stirrer | 2 | 1.50 | GPP430 |
| 9 | UV visible cabinet | 1 | 0.50 | GPP430 |
| 10 | Vacuum pump | 1 | 1.50 | GPP430 |
| 11 | Oven | 1 | 1.00 | GPP430 |
| 12 | Chiller | 1 | 1.50 | GPP430 |
| 13 | Self-Standing single bore porous tube manufacturing unit | 1 | 22.50 | GPP-0433 |
| 14 | Broad-band seismograph | 45 | 1125.00 | ASDMA-sponsored |
| 15 | Weather monitoring system | 45 | 225.00 | ASDMA-sponsored |
| 16 | High-end computer/server system | 10 | 100.00 | ASDMA-sponsored |
| 17 | Photo electro chemical system | 1 | 15.00 | GPP0431 |
| 18 | Biodiesel Production Unit | 1 | 10.00 | ANRF |
| 19 | Viscosity Meter | 1 | 5.00 | ANRF |
| 20 | Density Meter | 1 | 0.05 | ANRF |
| 21 | Oil Extractor | 1 | 3.00 | ANRF |
| 22 | Cloud Point Apparatus | 1 | 1.50 | ANRF |
| 23 | Flash Point Apparatus | 1 | 0.30 | ANRF |
| 24 | Fire Point | 1 | 0.25 | ANRF |
| 25 | Injet 3D Printer | 1 | 16.00 | ANRF |
| 26 | Stirrers | 6 | 5.00 | DRDO |
| 27 | Self standing single bore porous tube manufacturing unit | 1 | 22.50 | GPP0433 |
| 28 | Plant growth chamber | 1 | 7.50 | GPP0434 |
| 29 | Fabricated system: Floatable water wheel system with flow enhancement device along with mooring arrangement. System will consist of generator, power conditioner, power converter, MCBs etc. as tailor made. | 1 | 35.00 | GPP0436 |
| 30 | Shaker Incubator | 1 | 8.00 | GPP0438 |
| 31 | CO2 analyzer | 1 | 9.00 | GPP0438 |
| 32 | BOD Incubator | 1 | 2.00 | GPP0438 |
| 33 | COD analyzer | 1 | 4.00 | GPP0438 |
| 34 | Weighing Machine | 1 | 1.00 | GPP0438 |

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|----|--|---|--------|---------|
| 35 | PH meter | 1 | 0.80 | GPP0438 |
| 36 | UV Vis | 1 | 3.20 | GPP0438 |
| 37 | Freezers (-20) | 1 | 1.45 | GPP0441 |
| 38 | Ultra deep freezer | 1 | 4.00 | GPP0441 |
| 39 | Freeze dryer | 1 | 7.00 | GPP0441 |
| 40 | Bead Beater Homogenizer | 1 | 3.50 | GPP0441 |
| 41 | Electrophoresis set up | 2 | 1.60 | GPP0441 |
| 42 | Gel documentation system | 1 | 5.00 | GPP0441 |
| 43 | Thermal cycler | 1 | 3.00 | GPP0441 |
| 44 | UV-Vis spectrophotometer | 1 | 7.00 | GPP0441 |
| 45 | Luminex machine | 1 | 60.00 | GPP0441 |
| 46 | Infrared and thermal DSLR | 1 | 2.10 | GPP0441 |
| 47 | Miscellaneous (Multichannel pipet, Laminar air flow, shaker incubator, multi-plate reader) | 1 | 5.00 | GPP0441 |
| 48 | Spin Coater | 1 | 3.00 | GAP0833 |
| 49 | Shaker incubator | 1 | 3.00 | GAP0834 |
| 50 | Biosafety Cabinet | 1 | 3.00 | GAP0842 |
| 51 | Binocular microscope | 1 | 0.70 | GAP0844 |
| 52 | Laminar Airflow | 1 | 1.30 | GAP0844 |
| 53 | Fabrication of seed bioreactor | 1 | 7.00 | GPP0440 |
| 54 | Fabrication of cooling system | 1 | 2.50 | GPP0440 |
| 55 | Herbarium Cabinet | 1 | 0.56 | GPP0442 |
| 56 | Desktop Computers | 8 | 12.00 | GPP0427 |
| 57 | Vacuum Refrigerated Concentrator | 1 | 9.00 | GPP0427 |
| 58 | Horizontal Gel Electrophoresis | 1 | 3.00 | GPP0427 |
| 59 | Pipettes, Multi Channel, variable volume | 1 | 4.00 | GPP0427 |
| 60 | Digital Vortex Shaker | 1 | 0.20 | GPP0427 |
| 61 | Membranes fabrication unit by temperature induced phase separation (TIPS) | 1 | 200.00 | GPP0439 |
| 62 | Membrane modulation unit | 1 | 60.00 | GPP0439 |
| 63 | Membrane distillation unit | 1 | 20.00 | GPP0439 |
| 64 | Vacuum pump | 1 | 20.00 | GPP0439 |
| 65 | Gas permeability measurement system | 1 | 50.00 | GPP0439 |
| 66 | Gas separation unit with gas distribution | 1 | 30.00 | GPP0439 |
| 67 | Electro reactor | 1 | 25.00 | GPP0439 |
| 68 | Solar Simulator | 1 | 15.00 | GPP0439 |
| 69 | Environment control high temperature furnace | 1 | 40.00 | GPP0439 |
| 70 | High power ultra sonicator | 1 | 20.00 | GPP0439 |

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|-----|--|---|--------|---------|
| 71 | Bioreactor | 1 | 120.00 | GPP0439 |
| 72 | Lubricity Tester | 1 | 20.00 | GPP0439 |
| 73 | Fuel analyser | 1 | 70.00 | GPP0439 |
| 74 | Cleveland Flash Point Apparatus | 1 | 20.00 | GPP0439 |
| 75 | Bio diesel analyser | 1 | 21.00 | GPP0439 |
| 76 | Grease wax testing analyser | 1 | 20.00 | GPP0439 |
| 77 | Oil content from water tester | 1 | 20.00 | GPP0439 |
| 78 | Automatic smoke point apparatus | 1 | 19.00 | GPP0439 |
| 79 | Cloud and Pour Point Apparatus | 1 | 28.00 | GPP0439 |
| 80 | Acid no tester | 1 | 20.00 | GPP0439 |
| 81 | Ash content tester | 1 | 15.00 | GPP0439 |
| 82 | Closed cup flash point apparatus | 1 | 30.00 | GPP0439 |
| 83 | Automatic softening point apparatus | 1 | 35.00 | GPP0439 |
| 84 | Density tester | 1 | 10.00 | GPP0439 |
| 85 | Bitumen and asphaltene tester | 1 | 30.00 | GPP0439 |
| 86 | Automatic freezing point tester | 1 | 30.00 | GPP0439 |
| 87 | Total sediment tester | 1 | 18.00 | GPP0439 |
| 88 | Liquid hydrocarbon tester | 1 | 20.00 | GPP0439 |
| 89 | Octane no tester | 1 | 25.00 | GPP0439 |
| 90 | HRTEM | 1 | 800.00 | GPP0439 |
| 91 | High energy XRD system | 1 | 240.00 | GPP0439 |
| 92 | Centrifuge | 1 | 30.00 | GPP0439 |
| 93 | Contact angle analyser | 1 | 30.00 | GPP0439 |
| 94 | Atomic Force Microscope (AFM) | 1 | 250.00 | GPP0439 |
| 95 | Gas analyser | 1 | 200.00 | GPP0439 |
| 96 | Fluorescence microscope | 1 | 32.00 | GPP0439 |
| 97 | Dynamic light scattering instrument | 1 | 45.00 | GPP0439 |
| 98 | Cyclic voltameter | 1 | 28.00 | GPP0439 |
| 99 | Electrometer | 1 | 10.00 | GPP0439 |
| 100 | Minor equipment and accessories (Laptop, MAC book, water bath, sonicator, desktop etc) | 2 | 10.00 | GPP0439 |
| 101 | Colour measurement instrument | 1 | 30.00 | GPP0439 |
| 102 | Thermo gravimetric analyzer (TGA) | 1 | 62.00 | GPP0439 |
| 103 | Differential Scanning Calorimetry (DSC) | 1 | 60.00 | GPP0439 |
| 104 | Fuel Cell apparatus | 1 | 20.00 | GPP0439 |
| 105 | Lab furniture | | 46.00 | GPP0439 |
| 106 | FT-IR | 1 | 28.00 | GPP0439 |
| 107 | Microscope with imaging system | 1 | 7.00 | GPP0426 |

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|-----|---|---|-------|---------|
| 108 | Surgical Platform | 1 | 1.00 | GPP0426 |
| 109 | Inhalation anaesthesia chamber | 1 | 3.00 | GPP0426 |
| 110 | Air sampling probes/ sampler/ sensors for CO NDIR, H2 TCD, CH4 NDIR | 1 | 7.50 | GPP0425 |
| 111 | Hammer Mill | 1 | 0.70 | GPP0425 |
| 112 | Mass Flow Controller | 1 | 1.50 | GPP0425 |
| 113 | Water Flow Controller | 1 | 1.00 | GPP0425 |
| 114 | 1.2 KVA LPG & Propane powered portable Generator | 1 | 0.80 | GPP0425 |
| 115 | Deep Freezer (-80C) | 1 | 9.50 | GPP0450 |
| 116 | Workstation with UPS and Printer | 1 | 5.00 | GPP0450 |
| 117 | Vacuum Concentrator | 1 | 10.00 | GPP0444 |

Note:

- The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of the Competent Authority.
- The procurement of the equipments would be based on the need and ongoing requirement of R&D activities of Lab/Instt.
- The procurement is subject to the fund's availability/release of sufficient grant from CSIR / funding agency.
- The costs indicated as above are approximate/estimate cost only.

Updated on 09/12/2025

CSIR-North East Institute of Science and Technology
Procurement Plan (Consumables)

[B] Consumables:

The following categories of consumables are likely to be procured during the FY 2025-26.

Table 3: Consumables likely to be procured during Financial Year 2025-26 (Annual):

| Sl. No. | Category | Expected Procurement Value (Rs. In Lakhs) |
|---------|---|---|
| 1 | Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) | 409.00 |
| 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, etc.) | 166.00 |
| 3 | Glass wares (ex- name the different glass wares) | 58.40 |
| 4 | Plastic wares (ex- Name the different plastic wares) | 70.50 |
| 5 | Cartridges, Batteries, etc. | 61.00 |
| 6 | Gases (ex- tentative names) | 74.50 |
| 7 | Maintenance/AMC/repairing of existing equipment | 287.50 |
| 8 | Stationary items (ex- name a few) | 29.50 |
| 9 | IT / software-related Items : Material Studio, MATLAB, ARCGIS, BioRender, CLC Genomic Workbench Software and Network License, Desktop Computer (5 nos), Sigma Plot Software, Qiagen CLC genomic workbench, Commander Software with GTGPU high performance compute system with data storage for the above Long Read Real Time Nanopore Sequencing System, etc. | 142.70 |
| 10 | IT / software-related Items : GAMMA SAR Remote Sensing and IPTA Software | 7.50 |
| 11 | Furniture: chair, Lab stool, lab bench | 178.25 |
| 12 | Electric Items (Air conditioner/Fan) | 50.50 |
| 13 | Raw materials, tools, chemicals and consumables etc. to be used during skill development training | 15.00 |
| 14 | Consumables tools for students experimentation | 10.00 |

Note:

➤ The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of the 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-NEIST.
- The procurement is subject to the funds availability/release of sufficient grant from CSIR / funding agency.
- The indicated procurement value is an estimate only.

The procurement Plan is updated with the approval of the competent authority.