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| Date: 30-04-2024 |

**CSIR FOURTH PARADIGM INSTITUTE (CSIR-4PI)**

**PROCUREMENT PLAN\***

***(\*Please read the note given at the end)***

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| **A** | **FOR THE FINANCIAL YEAR 2024-25** |

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| **A (a)** | **EQUIPMENT** |

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| **(i)** | **Equipment**: Out of CSIR Infra Grant |

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| **Sr. No.** | **Name Category of Equipment/ Vehicle Item** | **Quantity (Nos.)** | **Approximate Cost**  **(Rs. In Lakhs)** |
| 1 | **Augmentation of CSIR 4PI observation network**  1. Strong motion accelerographs  2. GNSS receivers  3. GHG measurements and mandatory accessories | 20  07  01 | 375.00 |
| 2 | Desktops (for Technical and Scientific staffs) | 75 | 150.00 |
| 3 | Servers (for observations network) | 02 | 25.00 |
| 4 | HPC block storage | 03 | 175.00 |

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| **(ii)** | **Equipment**: Out of CSIR Funded Projects |

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| **Sr. No** | **Name Category of Equipment/ Vehicle Item** | **Quantity (Nos.)** | **Project Number/ Code** | **Approximate Cost (Rs. In Lakhs)** |
| 1 | Computer server-two socket compute server with GPU accelerator with 200 TB of SSD storage having expandability | 01 | HCP-57 | 50.00 |
| 2 | LI-600N Porometer/Fluorometer | 01 | HCP-57 | 26.00 |
| 3 | DSLR Camera | 01 | HCP-57 | 5.00 |
| 4 | Desktops for new Project staffs | 10 | HCP-57 | 20.00 |
| 5 | Laptop for field data analysis | 01 | HCP-57 | 2.00 |
| 6 | Digital Weighing Machine | 01 | HCP-57 | 0.70 |
| 7 | Printer | 01 | HCP-0101 | 1.00 |
|  | Heardware Component | 01 | HCP-0042 | 1.00 |

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| **(iii)** | **Equipment**: Out of Externally Funded Projects (EFP) |

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| **Sr. No** | **Name Category of Equipment/ Vehicle Item** | **Quantity (Nos.)** | **Project Number/ Code** | **Approximate Cost (Rs. In Lakhs)** |
| 1 | Front-end computers (desktops and laptops): | 5 | GAP-1030 | 5.00 |
| 2 | Additional SSDs and SATA/SAS hard disks for existing rack servers | 4 | GAP-1030 | 8.00 |
| 3 | Rack servers | 2 | GAP-1030 | 19.00 |
| 4 | Network Switches: | 5 | GAP-1030 | 10.00 |
| 5 | Managed Internet access link and bandwidth with firewall and router | 1 | GAP-1030 | 35.00 |
| 6 | Adaptors/SFP modules/Transceivers/Cables/network converters | 1 | GAP-1030 | 1.00 |
| 7 | Large size monitor/screen | 1 | GAP-1030 | 3.00 |
| 8 | Backup drives with media | 1 | GAP-1030 | 3.00 |

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| **A (b)** | **CONSUMABLES** |

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| **Sr. No.** | **Category** | **Expected Procurement Value (Rs. In Lakhs)** | | | |
| Out of CSIR Infra Grant | Out of CSIR Funded Projects | Out of Externally Funded Project (EFP) | Total  **(Rs. In Lakhs)** |
| 1 | R&D Consumables for closed loop systems (by equipment name eg. Kits for Illumina sequencer) |  | Met Sensors integrated with data logger (90) |  | 10.00 |
| 2 | Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) |  |  |  |  |
| 3 | 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.) |  | JIGYASA  Stationery,  Acrylic Badge, Plastic button, Envelops, Notebook, Art Kits, Drawing Sheets etc…. |  | 10.00 |
| 4 | Glass wares (ex- name the different glass wares) |  |  |  |  |
| 5 | Plastic wares (ex- Name the different plastic wares) |  |  |  |  |
| 6 | Toner Cartridges. |  |  |  |  |
| 7 | Batteries, etc. |  |  |  |  |
| 8 | Gases (ex- tentative names) |  |  |  |  |
| 9 | Maintenance/AMC/repairing of existing equipment |  |  |  |  |
| 10 | Stationery items (ex- name a few) |  |  |  |  |
| 11 | IT / software-related Items (Name the items required during year) |  | 1.Agisoft Meta shape  Professional Edition  (2 license) (HCP-57)  2. Machine/ Deep learning suit ArcGIS/ENVI (1) |  | 6.00  30.00 |
| 12 | Furniture (Name the items required during year) |  |  |  |  |
| 13 | Electric Items (Name the items required during year) |  |  |  |  |

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| **B** | **FOR NEXT 2-4 FINANCIAL YEARS (2025-29)**  **(From 01/04/2025 to 31/03/2029)** |

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| **B (a)** | **EQUIPMENT** |

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| **Sr. No.** | | | **Name of Equipment / Item** | **Quantity**  **(Nos.)** | | **Approximate Cost**  **(Rs. In Lakhs)** |
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| **B (b)** | | **CONSUMABLES** | | | | |
| **Sr. No.** | **Category** | | | | **Expected Procurement Value (Rs. In Lakhs)** | |
| 1 | R&D Consumables for closed loop systems (by equipment name) | | | |  | |
| 2 | Chemicals (ex.- Name the different chemicals like Solvents, Biochemical/s, Biochemical kits & enzymes, Diagnostic kits, Sequencing, Oligonucleotides, etc.) | | | |  | |
| 3 | 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.) | | | |  | |
| 4 | Glass wares (ex- name the different glass wares) | | | |  | |
| 5 | Plastic wares (ex- Name the different plastic wares) | | | |  | |
| 6 | Toner Cartridges. | | | |  | |
| 7 | Batteries, etc. | | | |  | |
| 8 | Gases (ex- tentative names) | | | |  | |
| 9 | Maintenance/AMC/repairing of existing equipment | | | |  | |
| 10 | Stationery items (ex- name a few) | | | |  | |
| 11 | IT / software-related Items (Name the items required during year) | | | |  | |
| 12 | Furniture (Name the items required during year) | | | |  | |
| 13 | Electric Items (Name the items required during year) | | | |  | |

**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 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 indicated procurement value is an estimate only.