

Annual Procurement Plan 2023-24 (Amended)

1	10 TPB MSW pilot plant machinery
2	3-point bend test apparatus
3	3-Roll Mill
4	-80° C storage unit
5	Air Compressor with Piping
6	Ambient Air Samplers PM1, PM2.5 PM10 & Gaseous
7	Analytical Microbalance
8	Analytical semi microbalance
9	Anti vibration table
10	ArcGIS pro mapping software along with ArcGIS online
11	ATLAS Qualitative Data Analysis software
12	ATR-FTIR
13	Automated fully Autoclaving Unit
14	Automatic colony counter
15	Bacteriological incubator
16	Bakery Processing line
17	Bench scale Ultra-pure, Milli-Q water purification Unit
18	Bioprocess model large volume centrifuge (continuous flow centrifuge)
19	Biosafety Cabinet
20	Blower
21	BOD Incubator
22	Bomb calorimeter
23	Centrifuge
24	Chemical storage cabinet
25	CO2 incubator for mushroom cultivation
26	Coating Machine
27	COD digester
28	COD reactor
29	Conductivity Meter (Bench Top)
30	Cooling centrifuge (floor standing, variable temperature from -4°C , 20000g)
31	Custom Design Extrusion Mould-1
32	Custom Design Extrusion Mould-2
33	Customized respirometer
34	Customized waste plastic pyrolysis unit
35	Deep freezer (-20°C)
36	Dehumidifier
37	Desktop computer
38	Device Exhibition Cabinet / Storage Cabinet
39	Differential Scanning Calorimeter
40	Dissolved Oxygen Meter
41	Dissolved Oxygen Meter (Bench Top)
42	Dry air compressor
43	Dual gas sensor
44	Femtosecond Transient Absorption Pump-Probe Infrared Spectrometer
45	Fermenter (In situ sterilizable)
46	Field data acquisition rugged laptop
47	Filtration Unit with Vacuum Pump
48	Finer resolution geospatial frames /Input features

49	Firewall
50	Flexural Strength apparatus
51	Flow table
52	Foam Analyzer
53	FTIR analyzer for solids, liquids and hybrid materials
54	Fumehood
55	GC MS
56	General purpose laptops
57	Glass Cutter
58	Glove box integrated Thermal Evaporation Unit
59	H2 Gas adsorption and desorption analyzer
60	High end workstation/ computational machineries
61	High precision balance
62	High precision source meter
63	High Resolution Color Calibration Screen
64	High Resolution Spectrometers
65	Hot air and vacuum ovens
66	Hot Air Oven
67	Hotplate with magnetic stirrer
68	HPLC with RAD detector
69	Humidity chamber (1000L)
70	Hydroponics
71	Ice machine
72	ID Card Printer
73	Immersion chiller (Partial payment)
74	Incubator shaker
75	Ink Mixer cum Homogenizer
76	Interactive display panel for Geospatial modelling and Analysis
77	IPCE
78	IR LED Source with accessories
79	Keithley
80	KJeldahl Nitrogen Analyzer
81	Laser Scriber
82	Laser/Inkjet printer
83	Light meter
84	Liquid chromatography coupled with Triple Quadruple Mass Spectrometer
85	LUX meter
86	Magnetic stirrer with hot plate
87	Marine Sampling Equipments (Plankton nets, Sediment Grab, Bottom water sampler, flowmeter etc.
88	Mass flow meter
89	Materials and Coating testing setup for AC and DC
90	Materials Printer
91	Measuring microscope
92	Microbalance
93	Microbalance with Antivibration Table
94	Microcentrifuge
95	Microplate Luminometer
96	Mid back chairs
97	Mortar mixer

98	MPPT tracking/stability testing unit with EIS
99	Muffle Furnace
100	Multiparameter
101	Network core switch and compatible layer 2 access switches
102	NFT Kits (s) for Outdoors-5 Ch/40 Plants
103	Noldus face reader
104	Optical microscope
105	Optics mould
106	Orbital shaker
107	PAH air sampler
108	PC Workstation
109	Pen type TDS meter 2 nos.
110	pH Meter
111	Phase contrast microscope
112	Photoreactor
113	PM Kit for AAA LC including Lamp
114	PM Kit for GPC System Including Lamp
115	PM Kit for HPLC System Including Lam
116	Portable UV Vis spectrophotometer
117	Powder Feeding System into Alloy Melt
118	Power meter
119	Precision Balance
120	Probe sonicator
121	Probe Station
122	Probe ultrasonicator
123	Quantum sensor with data logger
124	Reactor set up for sorbent testing (includes Gas analyser/GC separately
125	Recirculating chiller
126	Refrigerating Centrifuge
127	Refrigerator
128	Retort and canning
129	Rheometer
130	RID 20 A detector for HPLC (1)
131	Rolling Machine
132	Rotary evaporator
133	Rotary evaporator with chiller and vacuum pump
134	Sample Storage Equipment
135	Server infrastructure/computational machineries
136	Shaker
137	Shaking water bath
138	Single Crystal X-ray Diffractometer
139	SLA 3D Printer
140	Solar drier
141	Solar Simulator
142	Solid waste grinder
143	Sorption / Breakthrough analyser
144	Spectral Monochromator with Integrating sphere
145	Spectrophotometer
146	Spin Coater

147	Storage cabinet for keeping large area EC glasses
148	Table top FTIR with microscope
149	Table Top Spray coater system
150	accessories
151	Thermocycler
152	Thermogravimetric Analyzer
153	Tray /vacuum drier
154	Ultrafil biofilter
155	Ultrasonic bath
156	Unmanned Aerial Vehicles (UAVs) with RGB, Multispectral scanner and thermal scanner along with software's required for processing of data
157	Upgradation of vacuum furnace
158	Upgradation of dye solar module facility
159	UV irradiation Set up
160	UV lamp with cabinet
161	Vaccum packaging machine
162	Vacuum Filters
163	Vacuum Pump
164	Walk in Cold Room
165	Wall mounted fans 4 nos.
166	Windows server operating system
167	Wireless controller and wifi Access points
168	Work station modules
169	Workstation Computer
170	Workstation for AAA HPLC with Lab Solution Software
171	Workstation for GPC-LC with Lab Solution and GPC Control Software
172	Workstation for HPLC with Lab Solution and GPC Control Software

Disclaimer:

The procurement plan (2023-24) is not intimation of procurement by CSIR-NIIST, Trivandrum. In addition, this procurement plan does not cost any obligation on Director, CSIR-NIIST to issue bidding document. Prospective bidders may take note of this plan. The procurement is subject to fund availability during the current financial year. The Annual procurement plan is subject to updation on commencement of new programmes/projects and other emergency requirements/replacements subject to fund availability in the Financial Year 2023-2024.