

Annual Procurement Plan 2024-25

1	10 TPB MSW pilot plant machinery
2	3D Rocker
3	3-point bend test apparatus
4	3-Roll Mill
5	-80° C storage unit
6	Air Compressor with Piping
7	Air conditioner
8	Altra low temperature freezer
9	Ambient Air Samplers PM1, PM2.5 PM10 & Gaseous
10	Analytical Microbalance
11	Analytical semi microbalance
12	Anti vibration table
13	ArcGIS pro mapping software along with ArcGIS online
14	ATLAS Qualitative Data Analysis software
15	ATR-FTIR
16	Automated fully Autoclaving Unit
17	Automatic colony counter
18	Bacteriological incubator
19	Bakery Processing line
20	Bench scale Ultra-pure, Milli-Q water purification Unit
21	Bioprocess model large vlume centrifuge (continuous flow centrifuge)
22	Biosafety Cabinet
23	Blower
24	BOD Incubator
25	Bomb calorimeter
26	Camera
27	CCTV Surveillance system security
28	Centrifuge
29	Chemical storage cabinet
30	Closed geo-spatial seating place aluminum and PVC sheet
31	CO2 incubator for mushroom cultivation
32	Coating Machine
33	COD digester
34	COD reactor
35	Coffee Dispensing Machine
36	Conductivity Meter (Bench Top)
37	Conference room chair
38	Cooling centrifuge (floor standing, variable temperature from -4°C , 20000g)
39	Custom Design Extrusion Mould-1
40	Custom Design Extrusion Mould-2
41	Customized respirometer
42	Customized waste plastic pyrolysis unit
43	DC Motor vortex mixer
44	Deep freezer (-20°C)
45	Dehumidifier
46	Desktop computer
47	Device Exhibition Cabinet / Storage Cabinet

48	Differential Scanning Calorimeter
49	Displaying technology videos
50	Dissolved Oxygen Meter
51	Dissolved Oxygen Meter (Bench Top)
52	Dry air compressor
53	Dual gas sensor
54	Electro spinning unit
55	Environmental chamber-1 No
56	Examination table with mattress and pillow
57	Executive chair
58	Executive conference table, revolving chair, almirah, non-revolving chair, executive table
59	Executive table
60	Femtosecond Transient Absorption Pump-Probe Infrared Spectrometer
61	Fermenter (In situ sterilizable)
62	FE-SEM
63	Field data acquisition rugged laptop
64	Filtration Unit with Vacuum Pump
65	Finer resolution geospatial frames /Input features
66	Firewall
67	Flexural Strength apparatus
68	Flow table
69	Foam Analyzer
70	Forced air convention drying
71	FTIR analyzer for solids, liquids and hybrid materials
72	Fumehood
73	GC MS
74	General purpose laptops
75	Glass Cutter
76	Glove box integrated Thermal Evaporation Unit
77	H2 Gas adsorption and desorption analyzer
78	Heating oven
79	High end workstation/ computational machineries
80	High precision balance
81	High precision source meter
82	High pressure batch reactor
83	High pressure vessel
84	High Resolution Color Calibration Screen
85	High Resolution Spectrometers
86	Hot air and vacuum ovens
87	Hot Air Oven
88	Hotplate with magnetic stirrer
89	HPLC
90	HPLC with PDA, FL and RID detector
91	HPLC with RAD detector
92	Humidity chamber (1000L)
93	Hydroponics
94	Ice machine
95	ID Card Printer
96	Immersion chiller (Partial payment)

97	Incubator shaker
98	Ink Mixer cum Homogenizer
99	Installation of outdoor led Display system
100	Interactive display panel for Geospatial modelling and Analysis
101	Inverted Phase contrast microscope
102	Inverter with other accessories
103	IPCE
104	IR LED Source with accessories
105	Keithley
106	KJeldahl Nitrogen Analyzer
107	Laboratory Incubator Shaker
108	Laser Scriber
109	Laser/Inkjet printer
110	LCMSMS
111	LED Display Panel
112	LED TV
113	Light meter
114	Liquid chromatography coupled with Triple Quadruple Mass Spectrometer
115	LUX meter
116	Magnetic stirrer with hot plate
117	Marine Sampling Equipments (Plankton nets, Sediment Grab, Bottom water sampler, flowmeter etc.
118	Mass flow meter
119	Materials and Coating testing setup for AC and DC
120	Materials Printer
121	Measuring microscope
122	Micro pulveriser
123	Microalgae live model sensor
124	Microbalance
125	Microbalance with Antivibration Table
126	Microcentrifuge
127	Microplate Luminometer
128	Microplate spectro photo meter
129	Microwave oven
130	Mid back chairs
131	Mortar mixer
132	MPPT tracking/stability testing unit with EIS
133	Muffle Furnace
134	Multiparameter
135	Nano UAV Drone camera
136	Network core switch and compatible layer 2 access switches
137	NFT Kits (s) for Outdoors-5 Ch/40 Plants
138	Nitrogen cylinder
139	Noldus face reader
140	Oil Expeller
141	Optical microscope
142	Optical Power meter
143	Optics mould
144	Orbital shaker

145	Outdoor Led Display System
146	PAH air sampler
147	Paper shredding Machine
148	Particle size analyzer with zeta potential
149	PC Workstation
150	Pen type TDS meter 2 nos.
151	PH and Conductivity meter
152	pH Meter
153	Phase contrast microscope
154	Photoreactor
155	Pilot scale flaking unit
156	Pilot scale grains flaker machine
157	Pilot scale vegetable slicer and dicer
158	PM Kit for AAA LC including Lamp
159	PM Kit for GPC System Including Lamp
160	PM Kit for HPLC System Including Lam
161	Portable biogas analyzer with data logget
162	Portable UV Vis spectrophotometer
163	Powder Feeding System into Alloy Melt
164	Power meter
165	Precision Balance
166	Probe sonicator
167	Probe Station
168	Probe ultrasonicator
169	Quantum sensor with data logger
170	R & D use Induction cooker
171	Reactor set up for sorbent testing (includes Gas analyser/GC separately)
172	Recirculating chiller
173	Refrigerating Centrifuge
174	Refrigerator
175	Retort and canning
176	Rheometer
177	RID 20 A detector for HPLC (1)
178	Rolling Machine
179	Rotary evaporator
180	Rotary evaporator with chiller and vacuum pump
181	Sample Storage Equipment
182	Sanitary Napkin incinerator machine
183	Semi-automatic round can seaming machine
184	Server infrastructure/computational machineries
185	Shaker
186	Shaking water bath
187	Shredding Machine
188	Single Crystal X-ray Diffractometer
189	SLA 3D Printer
190	Solar drier
191	Solar Simulator
192	Solid waste grinder
193	Sorption / Breakthrough analyser

194	Spectral Monochromator with Integrating sphere
195	Spectrophotometer
196	Spin Coater
197	Standard photo diode power sensor
198	Storage cabinet for keeping large area EC glasses
199	Table top FTIR with microscope
200	Table Top Spray coater system
201	accessories
202	Temperature control system or process system
203	Thermocycler
204	Thermogravimetric Analyzer
205	Tray /vacuum drier
206	Triple walled glass reactor of 1L, 2L, 3L, 5L with an overhead stirrer
207	Ultra violet /Visible spectrometer
208	Ultrafil biofilter
209	Ultrasonic bath
210	Uniline UPS
211	Unmanned Aerial Vehicles (UAVs) with RGB, Multispectral scanner and thermal scanner along with software's required for processing of data
212	Upgradation of vacuum furnace
213	Upgradation of dye solar module facility
214	UV irradiation Set up
215	UV lamp with cabinet
216	UV visible spectrometer
217	Vacuum packaging machine
218	Vacuum cleaner
219	Vacuum Filters
220	Vacuum packaging machine with gas flushing
221	Vacuum Pump
222	Vegetable cutler
223	Vertical Laminator flow Cabinet
224	Vibro sifter
225	Water Dispenser
226	Voltex Mixer
227	Walk in Cold Room
228	Wall mounted fans 4 nos.
229	Water distillation Unit
230	Web cam, speaker,Hard Disk
231	Weighing balance
232	Windows server operating system
233	Wireless controller and wifi Access points
234	Work station modules
235	Workstation Computer
236	Workstation for AAA HPLC with Lab Solution Software
237	Workstation for GPC-LC with Lab Solution and GPC Control Software
238	Workstation for HPLC with Lab Solution and GPC Control Software
239	10G ready Network Module

240	17 kW on-grid inverter
241	18 kW off-grid inverters (2 Nos.)
242	25 KVA Online UPS
243	5.5 TR ductable AC units (3 Nos.)
244	Advanced 3D food printer
245	ATR FT-IR
246	Cooling system for computational facility
247	Custom-made electrolyte filling unit.
248	Deep Learning workstations
249	Dye coating unit with multiple chambers with temperature and flow control.
250	ED-XRF
251	Fortified Rice Kernels processing line
252	FRK line
253	High Performance Liquid Chromatograph (HPLC)
254	Image analytic system with H100 94GB platform
255	Leaf State Analyser (Preferable Model LSA-2050)
256	Linux server for DL with A100, 80 GB GPU
257	Lovibond color meter
258	Micro wave assistedvextractor/synthesize
259	Microfluidics
260	Multimode microplate reader
261	NAS 200TB upgradable to 1PB
262	Packaging Laminate machine
263	Potentiometric auto titrator
264	Precision Impedance Analyser with Temperature Controller Set-up for Dielectric Spectroscopy
265	Probe Sonicator
266	Rapid Visco Analyzer
267	Rheometer
268	Spray dryer with granulator
269	Texture analyzer

Disclaimer:

The procurement plan (2024-25) 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.