

## Annual Procurement Plan 2023-24 (Amended)

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

49	Customized respirometer
50	Customized waste plastic pyrolysis unit
51	DC motor vortex mixer
52	Deep freezer
53	Dehumidifier
54	Desktop computer
55	Device Exhibition Cabinet / Storage Cabinet
56	Differential Scanning Calorimeter
57	Displaying technology videos
58	Dissolved Oxygen Meter (Bench Top)
59	Dry air compressor
60	Dual gas sensor
61	Dynamic foam analyzer
62	Electro spinning unit
63	Environmental chamber-1 No
64	Examination table with mattress and pillow
65	Executive chair
66	Executive conference table, revolving chair, almirah, non-revolving chair, executive table
67	Executive table
68	Face reader software
69	Femtosecond transient absorption pump-probe infrared spectrometer
70	Fermenter (In situ sterilizable)
71	FE-SEM
72	Field data acquisition rugged laptop
73	Filtration Unit with Vacuum Pump
74	Finer resolution geospatial frames /Input features
75	Firewall
76	Flexural Strength apparatus
77	Flow table
78	Flow table electrical operators
79	Foam Analyzer
80	Forced air convention drying
81	FTIR analyzer for solids, liquids and hybrid materials
82	Fumehood
83	GC MS
84	General purpose laptops
85	Glass Cutter
86	Glove box integrated Thermal Evaporation Unit
87	H2 Gas adsorption and desorption analyzer
88	Heating oven
89	High end workstation/ computational machineries
90	High precision balance
91	High precision source meter
92	High pressure batch reactor
93	High pressure vessel
94	High Resolution Color Calibration Screen
95	High Resolution Spectrometers
96	Hot air and vacuum ovens
97	Hot Air Oven

98	Hotplate with magnetic stirrer
99	HPLC
100	HPLC with PDA, FL and RID detector
101	HPLC with RAD detector
102	Humidity chamber (1000L)
103	Hydroponics
104	Hydroponics planter equipment
105	Ice flake machine
106	Ice machine
107	ID Card Printer
108	Immersion chiller (Partial payment)
109	Immersion cooler
110	Incubator shaker
111	Induction cooker
112	Ink Mixer cum Homogenizer
113	Installation of outdoor led Display system
114	Interactive display panel for Geospatial modelling and Analysis
115	Interactive panel LCD
116	Inverted phase contrast microscope
117	Inverter with other accessories
118	IPCE
119	IR LED Source with accessories
120	Keithley
121	KJeldahl Nitrogen Analyzer
122	Laboratory Incubator Shaker
123	Laboratory steel furniture side bench with rack and table top
124	Laser Scriber
125	Laser/Inkjet printer
126	LCMSMS
127	LED Display Panel
128	LED TV
129	Light meter
130	Liquid chromatography coupled with Triple Quadruple Mass Spectrometer
131	LUX meter
132	Magnetic stirrer with hot plate
133	Manageable Network
134	Marine Sampling Equipments (Plankton nets, Sediment Grab, Bottom water sampler, flowmeter etc.
135	Mass flow meter
136	Mass spectrometer
137	Materials and Coating testing setup for AC and DC
138	Materials Printer
139	Measuring microscope
140	Micro pulveriser
141	Micro weighing balance
142	Microalgae live model sensor
143	Microbalance
144	Microbalance with Antivibration Table
145	Microcentrifuge

146	Microplate Luminometer
147	Microplate spectro photo meter
148	Microwave oven
149	Mid back chairs
150	Mortar mixer
151	MPPT tracking/stability testing unit with EIS
152	Muffle Furnace
153	Multiparameter
154	NABL Equip. Centrifuge
155	Nano UAV Drone camera
156	Network core switch and compatible layer 2 access switches
157	NFT Kits (s) for Outdoors-5 Ch/40 Plants
158	Nitrogen cylinder
159	Noldus face reader
160	Oil Expeller
161	Optical microscope
162	Optical Power meter
163	Optics mould
164	Orbital shaker
165	Orbital shaker incubator
166	Outdoor Led Display System
167	PAH air sampler
168	Paper shredding machine
169	Particle size analyzer with zeta potential
170	PC Workstation
171	Pen type TDS meter 2 nos.
172	PH and Conductivity meter
173	pH meter
174	Phase contrast microscope
175	Photoreactor
176	Pilot scale flaking unit
177	Pilot scale grains flaker machine
178	Pilot scale vegetable slicer and dicer
179	Pilot water spray retort
180	PM Kit for AAA LC including Lamp
181	PM Kit for HPLC System Including Lam
182	Portable biogas analyzer with data logget
183	Portable UV Vis spectrophotometer
184	Powder Feeding System into Alloy Melt
185	Power meter
186	Precision Balance
187	Probe sonicator
188	Probe Station
189	Probe ultrasonicator
190	Quantum sensor with data logger
191	R & D use induction cooker
192	R&D use Metalab LED BOD incubator
193	Reactor set up for sorbent testing (includes Gas analyser/GC separately)

194	Recirculating chiller
195	Refrigerating Centrifuge
196	Refrigerator
197	Retort and canning
198	Rheometer
199	RID 20 A detector for HPLC
200	Rolling Machine
201	Rotary evaporator
202	Rotary evaporator with chiller and vacuum pump
203	Sample Storage Equipment
204	Sanitary napkin incinerator machine
205	Semi-automatic round can seaming machine
206	Server infrastructure/computational machineries
207	Shaker
208	Shaking water bath
209	Shredding machine
210	Single Crystal X-ray Diffractometer
211	SLA 3D Printer
212	Smart television
213	Solar drier
214	Solar Simulator
215	Solid waste grinder
216	Sorption / Breakthrough analyser
217	Spectral Monochromator with Integrating sphere
218	Spectrophotometer
219	Spin Coater
220	Standard photo diode power sensor
221	Storage cabinet for keeping large area EC glasses
222	Table top FTIR with microscope
223	Table Top Spray coater system
224	TE module array QC testing: Precision AC/DC system with software and accessories
225	Temperature control system or process system
226	Temperature control system or process system
227	Thermocycler
228	Thermogravimetric Analyzer
229	Tray /vacuum drier
230	Triple walled glass reactor of 1L, 2L, 3L, 5L with an overhead stirrer
231	U V cabinet
232	Ultra low temperature freezer
233	Ultra violet /Visible spectrometer
234	Ultrasonic bath
235	Unmanned Aerial Vehicles (UAVs) with RGB, Multispectral scanner and thermal scanner along with software's required for processing of data
236	Upgradation of vacuum furnace
237	Upgradation of dye solar module facility
238	UPS
239	UV irradiation Set up
240	UV lamp with cabinet
241	UV/Visible spectrometer

242	Vaccum packaging machine
243	Vacum pump
244	Vacuum cleaner
245	Vacuum filter
246	Vacuum packaging machine with gas flushing
247	Vacuum Pump
248	Vacuum tray drier
249	Vegetable cutter
250	Vertical Laminator flow Cabinet
251	Vibro sifter
252	Voltex Mixer
253	Walk in Cold Room
254	Wall Mounted fan
255	Water bath
256	Water dispenser
257	Water distillation Unit
258	Webcam
259	Weighing balance
260	Windows server operating system
261	Wireless controller and wifi Access points
262	Workstation Computer
263	Workstation for AAA HPLC with Lab Solution Software
264	Workstation for GPC-LC with Lab Solution and GPC Control Software
265	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.