

Annual Procurement Plan 2024-25

No.	Equipment Item
1	-20 freezer
2	3D printer
3	3-Roll Mill
4	5 Parameter Tablet Tester
5	500 NMR
6	500L fermenter with seed fermenter and downstream equipment
7	-80 C Freezer
8	Abrasion Tester
9	AI Modelling cum Simulation Facility
10	Air conditioning unit based on cold storage
11	Alcohol determination apparatus
12	Aluminium slide trays
13	Amino acid analyzer
14	Analytical weighing balance
15	ARKA /EYE DROPS – Separate filling unit
16	ARKA Machine (Distillation machine)
17	Atomic absorption spectrophotometer
18	Autoclave
19	Automatic colony counter
20	Automatic filling machine, packing and labeling machine with conveyor belt
21	Automatic film applicator with accessories
22	Automation of epifluorescence microscope
23	Bath Sonicator
24	Bioreactor
25	Biosafety cabinet
26	Biosafety cabinet
27	Blistering machine (semi automatic)
28	BOD incubator
29	Boiling point determination apparatus
30	Bulk density tester
31	Camera lucida Prism type and mirror type.
32	Capsule Machine
33	Centrifuge
34	Chemical balance
35	Circular dichroism spectrometer
36	Cizer mill (7.5 HP)
37	CNC Laser machine
38	CO2/H2O analyser with pumps and display
39	COD incubator
40	Colony counter
41	Commercial PEM electrolyser and BoS components (stacks)
42	Compression molding press (Mini hot press)
43	Computers and its accessories

44	Computers and workstation for AI work
45	COMSOL Multiphysics simulation software
46	Confocal Raman
47	Cream /Ointment Filling Machine
48	Cream maker
49	Custom designed, indigenous semi- pilot production facility for indigenous dye solar module (DSM) of 10 cm×10 cm dimensions
50	Data Acquisition System with USB, LAN and GPIB
51	Decanter Centrifuge for Pilot Plant
52	Dehumidifier
53	Deionized water equipment
54	Differential Scanning Calorimeter (DSC)
55	Digital Storage Oscilloscope with High Impedance Probe
56	Disintegration Test apparatus
57	Disintegrator and pulverizer (contact part stainless steel)
58	Dissecting microscope
59	Dissolution testing apparatus
60	Drier
61	Drug boiler = 1500 Ltr * 2
62	Dynamic Mechanical Analyser
63	Electric Bunsen burner
64	Electrical BoS for pilot plant
65	Electrochemical single fuel cell test station
66	Electrochemical Workstation / Impedance Spectroscope
67	Electronic balances
68	Enviromental growth chamber
69	Femtosecond Micromachining for Optical Data Storage
70	Femtosecond Seed Laser System
71	Femtosecond Transient Absorption Pump-Probe Infrared Spectrometer
72	Fermentation vessel (Stainless steel with 3mm thickness) 1000 L
73	Filed spectrometer with with data visulization and processing interface
74	Filtring unit
75	Flow Cytometer
76	Flow Through Dissolution Tester
77	Fourier-Transform Infrared Spectrophotometer (FT-IR) with ATR
78	Freezer -20 °C
79	Friability Test apparatus
80	Fume hoods
81	GC
82	GEL Capsule Filing Machine
83	Gel Doc gel documentation system
84	Gel Documentation System
85	Glass distillation apparatus
86	Glove box
87	Granulator (3 HP)
88	Heating mantles

89	High Performance Portable Workstation for Complete Spectral Analysis, including software
90	High precision Source Meter
91	High Pressure Processing Unit
92	High Speed Centrifuge
93	High Vacum Pump
94	Hot air gun
95	Hot air oven
96	Hot plates
97	Hot press system
98	HPLC
99	HPTLC
100	HR- LC-MSMS
101	Infrared Camera
102	Ink Mixer cum Homogenizer
103	Integrating Sphere Spectrophotometer
104	Inverter system with Battery/UPS
105	IPCE system
106	Jet Valve Dispensing System
107	Juice extracting machine (10 HP)
108	Karl Fisher titrator
109	Kneader machine
110	Laboratory Centrifuge machine with accessories
111	Laminar air flow bench
112	LC-MS/MS for proteomics including libraries
113	Line quantum sensor, PAR sensor, display meters with mounting & levelling fixtures
114	Lpg cylinder with burners.
115	Lyophilizer
116	Lyophilizer (Freeze-dryer) with accessories
117	Magnetic stirrer
118	Mars Analogous Weather Cahmber
119	Mass mixer
120	Melting point to determination apparatus
121	Membrane bioreactor
122	Microscope
123	Microscope binocular
124	Microslide cabinet
125	Microtome
126	Moisture determination apparatus
127	Mould
128	Muffle furnace
129	Multimode microplate reader
130	Occular micrometer
131	Open weighing balance
132	Optical Emission Spectrometer
133	Oscilloscope
134	Oven

135	Overhead stirrer
136	PAIOS Electrical and Optical Characterization Facility
137	Pan = 500 L * 2
138	Pan with stirrer = 500 L * 1
139	Peristaltic Pump
140	Personal computers for analysis
141	pH meter
142	Plain incubator
143	Polarimeter
144	Portable O ₂ analyzer
145	Portable Raman Spectrometer
146	Potable power analyzer
147	Powder filling and packing machine
148	Precision Impedance Spectroscopy
149	Precision Spray Coating System
150	Precision Waterbath
151	Preparative HPLC
152	Probe sonicator
153	Probe station
154	PTT Laser with Camera
155	Pulsed Electrodeposition
156	Pulverizer (10 HP)
157	Pyranometer
158	Quantum sensor with data Logger
159	Quantum sensors
160	Quantum sensors & Microenvironment data acquisition system with online data monitoring and processing
161	Rapid Prototyping Machine
162	Rapid visco analyzer
163	Reagents and glassware
164	Reagents, plasticware
165	Real Time PCR
166	Recirculating Chiller
167	Refractometer
168	Refrigerated Centrifuge
169	Refrigerating Centrifuge
170	Refrigerator
171	Rheometer
172	Rotatory Evaporator with pump
173	SDS Gel Electrophoresis with power pack
174	Serological water bath.
175	Shaker incubator
176	Shore hardness tester
177	Si based Solar power plant (Capacity= 700kWp)
178	Sieve Capacity Tester
179	Silica crucible
180	Solar Simulator

181	Solar Simulator and IV measurement system with KeithleySMU
182	Sonicator
183	Source Measuring Unit
184	Spectrometer
185	Spray Drier
186	Spray drier (lab model)
187	Stability Chamber 2 Nos
188	Stage micrometer
189	Steam boiler
190	Storage vessel (stainless steel 16 gauge thickness) 1000 L
191	Stylus profilometer
192	Tablet disintegration apparatus
193	Tablet dissolution tester
194	Tablet friability tester
195	Tablet machine
196	Temperature controlled water bath
197	Texture analyzer
198	Thermal plant
199	Tissue Homogenizer
200	TLC apparatus
201	Transfer vessels 200L*4
202	Two roll mill for Rubber formulation
203	Ultrasonicator Bath
204	Universal grinder/pulveriser (lab model)
205	Universal Hardness Tester
206	Universal Testing Machine (50kN)
207	UV chamber
208	UV Lamp Housing for TLC
209	UV Spectrophotometer
210	Vacuum extractor
211	Vacuum oven with pump
212	Vacuum pumps
213	Vibration tester system/Shaker unit
214	Viscometer
215	Volatile oil determination apparatus
216	Vortex machine
217	Water bath Shaker
218	Weighing balance
219	Workstation with Curved Monitor, printer, UPS with multiphysics simulations softwares

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 2024-2025.