

ANNUAL PROCUREMENT PLAN, CSIR-NIIST

FOR THE FINANCIAL YEAR 2025-2026

Sl No	Name of the equipment
1	10 TPB MSW pilot plant machinery
2	10G ready Network Module
3	17 kW on-grid inverter
4	18 kW off-grid inverters
5	25 KVA Online UPS
6	3D Printer
7	3D Rocker
8	3-point bend test apparatus
9	3-Roll Mill
10	5 Parameter Tablet Tester
11	5.5 TR Ductable AC units
12	500 MHz NMR
13	500L fermenter with seed fermenter and downstream equipment
14	Abrasion Tester
15	Advanced 3D Food Printer
16	Air Compressor with Piping
17	Air conditioning unit based on cold storage
18	Alcohol determination apparatus
19	Aluminum slide trays
20	Ambient Air Samplers PM1, PM2.5 PM10 & Gaseous
21	Amino acid analyzer
22	Analytical Microbalance
23	Analytical Semimicrobalance
24	Anti vibration table
25	ArcGIS pro mapping software along with ArcGIS online
26	ARKA /EYE DROPS – Separate filling unit
27	ARKA Machine (Distillation machine)
28	ATLAS Qualitative Data Analysis software
29	Atomic absorption spectrophotometer
30	Autoclave
31	Automated Autoclaving Unit
32	Automated high temperature autoclave
33	Automatic colony counter
34	Automatic filling machine, packing and labeling machine with conveyor belt
35	Automatic film applicator with accessories
36	Automation of epifluorescence microscope
37	Bacteriological incubator
38	Bakery Processing line
39	Bath Sonicator
40	Bench scale Ultra-pure, Milli-Q water purification Unit
41	Bioprocess model large volume centrifuge (continuous flow centrifuge)
42	Bioreactor
43	Biosafety cabinet

44	Blistering machine (semi automatic)
45	Blower
46	BOD incubator
47	Boiling point determination apparatus
48	Bomb calorimeter
49	Bulk density tester
50	Camera lucida Prism type and mirror type.
51	Capsule Machine
52	CCTV Surveillance system security
53	Centrifuge machine
54	Chemical storage cabinet
55	Circular dichroism spectrometer
56	Cizer mill (7.5 HP)
57	Closed geo-spatial seating place aluminum and PVC sheet
58	CNC Laser machine
59	CO2 incubator for mushroom cultivation
60	CO2/H2O trace gas analyzer with data visualization and processing interface
61	Coating Machine
62	COD digester
63	COD incubator
64	COD reactor
65	Coffee Dispensing Machine
66	Commercial PEM electrolyser and BoS components
67	Compression molding press (Mini hot press)
68	Computers and workstation for AI work
69	COMSOL Multiphysics Simulation Software
70	Conductivity Meter (Bench Top)
71	Conference room chair
72	Confocal Raman
73	Cooling centrifuge (floor standing, variable temperature from -4°C , 20000g)
74	Cooling system for Computational Facility
75	Cream /Ointment Filling Machine
76	Cream maker
77	Custom Design Extrusion Mould-1
78	Custom Design Extrusion Mould-2
79	Customized respirometer
80	Customized waste plastic pyrolysis unit
81	Custom-made Electrolyte Filling Unit
82	Data Acquisition System with USB, LAN and GPIB
83	DC Motor vortex mixer
84	Decanter Centrifuge for Pilot Plant
85	Deep freezer (-20°C)
86	Deep Learning Workstations
87	Dehumidifier
88	Deionized water equipment
89	Desktop computer
90	Device Exhibition Cabinet / Storage Cabinet
91	Differential Scanning Calorimeter (DSC)

92	Digital Storage Oscilloscope with High Impedance Probe
93	Disintegration Test apparatus
94	Disintegrator and pulverizer (contact part stainless steel)
95	Displaying technology videos
96	Dissecting microscope
97	Dissolution testing apparatus
98	Dissolved Oxygen Meter
99	Drug boiler = 1500 Ltr * 2
100	Dry air compressor
101	Dual gas sensor
102	Dye coating unit with multiple chambers with temperature and flow control.
103	Dynamic Mechanical Analyser
104	ED-XRF
105	Electric Bunsen burner
106	Electrical BoS for pilot plant
107	Electro spinning unit
108	Electrochemical in-situ FTIR spectroscopy
109	Electrochemical single fuel cell test station
110	Electrochemical Workstation / Impedance Spectroscope
111	Electronic balances
112	Enviromental growth chamber
113	Environmental chamber-1 No
114	Examination table with mattress and pillow
115	Femtosecond laser micro machining system
116	Femtosecond laser system (Oscillater)
117	Femtosecond Micromachining for Optical Data Storage
118	Femtosecond amplified Laser System
119	Femtosecond Transient Absorption Pump-Probe Infrared Spectrometer
120	Fermenter (In situ sterilizable)
121	Fermetation vessel (Stainless steel with 3mm thickness) 1000 L * 3
122	FE-SEM
123	Field data acquisition rugged laptop
124	Filed spectrometer with with data visulization and processing interface
125	Film applicator
126	Filtering unit
127	Filtration Unit with Vacuum Pump
128	Finer resolution geospatial frames /Input features
129	Firewall
130	Flexural Strength apparatus
131	Flow Cytometer
132	Flow table
133	Flow Through Dissolution Tester
134	Foam Analyzer
135	Forced air convention drying
136	Fortified Rice Kernels processing line
137	Fourier-Transform Infrared Spectrophotometer (FT-IR) with ATR
138	Freeze-dry lyophilizer
139	FRK Line

140	Fully automated preparative liquid chromatography
141	Fumehood
142	Gas flowmeter
143	GC
144	GC MS
145	GEL Capsule Filing Machine
146	Gel Doc gel documentation system
147	Gel Documentation System
148	General purpose laptops
149	Glass Cutter
150	Glass distillation apparatus
151	Glove box
152	Glove box integrated Thermal Evaporation Unit
153	Granulator (3 HP)
154	H2 Gas adsorption and desorption analyzer
155	Heating mantles
156	Heating oven
157	High end workstation/ computational machineries
158	High Performance Liquid Chromatograph (HPLC)
159	High Performance Portable Workstation
160	High precision balance
161	High Precision Source Meter
162	High pressure batch reactor
163	High Pressure Processing Unit
164	High pressure vessel
165	High Resolution Color Calibration Screen
166	High Resolution Spectrometers
167	High Speed Centrifuge
168	High Vacuum Pump
169	High-precision Current/voltage source measure units
170	Hot air and vacuum ovens
171	Hot air gun
172	Hot Air Oven
173	Hot plates
174	Hot press system
175	Hotplate with magnetic stirrer
176	HPLC
177	HPLC (Preparative)
178	HPLC coupled atomic fluorescence spectrometer
179	HPLC with PDA, FL and RID detector
180	HPLC with RAD detector
181	HPLC:Analytical cum semi-preparative chromatography
182	HPTLC
183	HR- LC-MSMS
184	Humidity chamber (1000L)
185	Hydroponics
186	Ice machine
187	ID Card Printer

188	Image Analytic System with H100 94GB Platform
189	Immersion chiller (Partial payment)
190	Incubator shaker
191	Infrared Camera
192	Ink Mixer cum Homogenizer
193	Installation of outdoor led Display system
194	Integrating Sphere Spectrophotometer
195	Interactive display panel for Geospatial modelling and Analysis
196	Inverted Phase contrast microscope
197	Inverter system with Battery/UPS
198	Inverter with other accessories
199	IPCE system
200	IR LED Source with accessories
201	Jet Valve Dispensing System
202	Juice extracting machine (10 HP)
203	Karl Fisher titrator
204	KJeldahl Nitrogen Analyzer
205	Kneader machine
206	Laboratory Centrifuge machine with accessories
207	Laboratory Incubator Shaker
208	Laminar air flow bench
209	Laser Scribe
210	Laser/Inkjet printer
211	LC-MS/MS for proteomics including libraries
212	Leaf State Analyzer
213	LED Display Panel
214	LED Solar Simulator
215	LED TV
216	Light meter
217	Line quantum sensor, PAR sensor, display meters and accessories
218	Linux Server for DL with A100, 80 GB GPU
219	Liquid chromatography coupled with Triple Quadruple Mass Spectrometer
220	Lovibond Color Meter
221	LPG cylinder with burners.
222	LUX meter
223	Lyophilizer (Freeze-dryer) with accessories
224	Magnetic stirrer with hot plate
225	Magnetic stirrers
226	Marine Sampling Equipment
227	Mars Analogous Weather Chamber
228	Mass flow meter
229	Mass mixer
230	Materials and Coating testing setup for AC and DC
231	Materials Printer
232	Measuring microscope
233	Melting point apparatus
234	Membrane bioreactor
235	Micro pulveriser

236	Micro slide cabinet
237	Micro wave assistedvextractor/synthesize
238	Microalgae live model sensor
239	Microbalance
240	Microcentrifuge
241	Microfluidics
242	Microplate Luminometer
243	Microplate spectro photo meter
244	Microscope binocular
245	Microtome
246	Microwave assisted extractor/synthesize
247	Microwave oven
248	Mid back chairs
249	Miscellaneous items ranging from 2.5 to 5 lakhs
250	Moisture determination apparatus
251	Mortar mixer
252	Mould
253	MPPT Tracking Unit
254	MPPT tracking/stability testing unit with EIS
255	Muffle furnace
256	Multimeter with datalogger
257	Multimode microplate reader
258	Multiomode Microplate Reader
259	Multiparameter
260	Nano UAV Drone camera
261	Nanosecond laser system
262	NAS 200TB upgradable to 1PB
263	Network core switch and compatible layer 2 access switches
264	NFT Kits (s) for Outdoors-5 Ch/40 Plants
265	Nitrogen cylinder
266	Noldus face reader
267	Occular micrometer
268	Off-grid Inverter
269	Oil Expeller
270	On-grid Inverter
271	Online UPS
272	Open weighing balance
273	Optical Emission Spectrometer
274	Optical microscope
275	Optical Power meter
276	Optics mould
277	Orbital shaker
278	Oscilloscope
279	Outdoor Led Display System
280	Overhead Stirrer
281	Packaging Laminate Machine
282	PAH air sampler
283	Pan = 500 L * 2

284	Pan with stirrer = 500 L * 1
285	Paper shredding Machine
286	Particle size analyzer with zeta potential
287	PC Workstation
288	Pen type TDS meter 2 nos.
289	Peristaltic Pump
290	Personal computers for analysis
291	PH and Conductivity meter
292	pH meter
293	Phase contrast microscope
294	Photoreactor
295	Pilot scale flaking unit
296	Pilot scale grains flaker machine
297	Pilot scale vegetable slicer and dicer
298	Plain incubator
299	Plant growth chamber
300	PM Kit for AAA LC including Lamp
301	PM Kit for GPC System Including Lamp
302	PM Kit for HPLC System Including Lam
303	Polari meter
304	Portable biogas analyzer with data logget
305	Portable O2 analyzer
306	Portable power analyzer
307	Portable Raman Spectrometer
308	Portable UV Vis spectrophotometer
309	Potentiometer autotitrator
310	Powder Feeding System into Alloy Melt
311	Powder filling and packing machine
312	Power meter
313	Precision Impedance Analyser with Temperature Controller Set-up for Dielectric Spectroscopy
314	Precision Impedance Analyzer with Temp. Controller set up
315	Precision Impedance Spectroscopy
316	Precision Spray Coating System
317	Precision Water bath
318	Probe Sonicator
319	Probe Sonicator
320	Probe station
321	Probe ultrasonicator
322	PTT Laser with Camera
323	Pulsed Electrodeposition
324	Pulverizer (10 HP)
325	Pyranometer
326	Quantum sensor with data Logger
327	Quantum sensors
328	Quantum sensors & Microenvironment Data Acquisition System
329	R & D use Induction cooker
330	Rapid Prototyping Machine

331	Rapid Visco Analyzer
332	Reactor set up for sorbent testing (includes Gas analyser/GC separately)
333	Real Time PCR
334	Recirculating Chiller
335	Refractometer
336	Refrigerating Centrifuge
337	Refrigerator
338	Retort and canning
339	Rheometer
340	Rheometer
341	RID 20 A detector for HPLC (1)
342	Rolling Machine
343	Rotary evaporator
344	Rotatory Evaporator with accessories
345	Sample Storage Equipment
346	Sanitary Napkin incinerator machine
347	SDS Gel Electrophoresis with power pack
348	Semi-automatic round can seaming machine
349	Serological water bath.
350	Server infrastructure/computational machineries
351	Shaker
352	Shaker incubator
353	Shaking water bath
354	Shore hardness tester
355	Shredding Machine
356	Si based Solar power plant (Capacity= 700kWp)
357	Sieve Capacity Tester
358	Silica crucible
359	SLA 3D Printer
360	Slot-die coater
361	Solar cell laser cutter
362	Solar drier
363	Solar module encapsulation unit
364	Solar Simulator
365	Solar Simulator and IV measurement system with KeithleySMU
366	Solid waste grinder
367	Sonicator
368	Sorption / Breakthrough analyser
369	Source Measuring Unit
370	Spectral Monochromator with Integrating sphere
371	Spectrophotometer
372	Spectroradiometer
373	Spin Coater
374	Spin Coater from Laurel
375	Spray dryer
376	Spray dryer with granulator
377	Stability Chamber 2 Nos
378	Stage micrometer

379	Standard photo diode power sensor
380	Steam boiler
381	Storage unit (-80° C)
382	Storage vessel (stainless steel 16 gauge thickness) 1000 L * 2
383	Stylus profilometer
384	Table top FTIR with microscope
385	Table Top Spray coater system
386	Tablet disintegration apparatus
387	Tablet dissolution tester
388	Tablet friability tester
389	Tablet machine
390	TE module array QC testing, with software and accessories
391	Temperature control system or process system
392	Texture analyzer
393	Thermal conductivity measurement setup
394	Thermal plant
395	Thermocycler
396	Thermogravimetric Analyzer
397	Tissue Homogenizer
398	TLC apparatus
399	Transfer vessels 200L*4
400	Tray /vacuum drier
401	Triple walled glass reactor of 1L, 2L, 3L, 5L with an overhead stirrer
402	Two roll mill for Rubber formulation
403	Ultra low temperature freezer
404	Ultra violet /Visible spectrometer
405	Ultrafil biofilter
406	Ultrasonicator Bath
407	Universal grinder/pulveriser (lab model)
408	Universal Hardness Tester
409	Universal Testing Machine (50kN)
410	Unmanned Aerial Vehicles (UAVs) with RGB, Multispectral scanner
411	Upgradation of vacuum furnace
412	Upgradation of dye solar module facility
413	UV chamber
414	UV irradiation Set up
415	UV Lamp Housing for TLC
416	UV-Vis Spectrophotometer
417	Vacuum packaging machine
418	Vacuum cleaner
419	Vacuum extractor
420	Vacuum Filters
421	Vacuum Oven
422	Vacuum packaging machine with gas flushing
423	Vegetable cutter
424	Vertical Laminator flow Cabinet
425	Vibration tester system/Shaker unit
426	Vibro sifter

427	Viscometer
428	Volatile oil determination apparatus
429	Voltex Mixer
430	Vortex machine
431	Walk in Cold Room
432	Wall mounted fans 4 nos.
433	Water bath Shaker
434	Water Dispenser
435	Water distillation Unit
436	Water Quality Analyzer
437	Wireless controller and wifi Access points
438	Workstation Computer
439	Workstation for AAA HPLC with Lab Solution Software
440	Workstation for GPC-LC with Lab Solution and GPC Control Software
441	Workstation for HPLC with Lab Solution and GPC Control Software

Disclaimer:

The procurement plan (2025-26) 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 2025-2026.