

PROCUREMENT PLAN FOR THE FINANCIAL YEAR 2026-27			
Sr. No.	Name Category of Equipment Item	Quantity (Nos.)	Approximate Cost (Rs. In lakhs)
Files under process (2025-2026)			
1.	ICP-MS (Centre for SEAs) *	01 No.	140.0
2.	Ion Chromatograph (Centre for SEAs) *	01 No.	75.0
3.	Multi-parameter Discrete analyser (EM&SS)*	01 No.	80.0
4.	Nano Drop (EB)	01 No.	15.0
			310.0
Proposed Equipment Plan (2026-2027)			
1.	Automatic Methane Potential Test System (EB)	1 No.	42.0
2.	FTIR (Centre for SEAs)	1 No.	120.0
3.	Layer-3 Managed Switches (IT&DI Unit)	2 Nos.	100.0
4.	LCMS (Centre for SEAs)	1 No.	450.0
5.	XRF-WD (Centre for SEAs)	1 No.	300.0
6.	TGA / DSC (CRI&A)	1 No.	50.0
7.	CHNS (Centre for SEAs)	1 No.	80.0
			1,142.0
Air Quality Management (Dr. K.V. George)			
1.	Four Channel Speciation Sampler	5 Nos.	71.0
2.	Two Channel PM Sampler	5 Nos.	41.0
			112.0
Water & Earth Systems (Dr. P.R. Pujari)			
1.	Global Positioning System	1 No.	3.0
2.	Sapflux meter with accessories	4 Nos.	13.0
3.	Milliq Water Purification system	1 Nos.	15.0
4.	pH Meter	1 No.	1.0
5.	EC Meter	1 No.	1.0
6.	Colorimeter	1 No.	3.0
7.	Upgrade of existing Arc GIS to Indo Arc GIS Advanced Desktop 10.8.2/Pro along with one of extensions		6.0

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Sr. No.	Name Category of Equipment Item	Quantity (Nos.)	Approximate Cost (Rs. In lakhs)
8.	PP Exhaust PP fume hood, Hotplate and accessories		6.0
			48.0
Environmental Impact Assessment, Audit & Planning (Er. Padma Rao)			
1.	Risk Assessment Software (Preferably shareware mode)	1 No	95.0
2.	Analytical balance (Readability: 0.1mg)	1 No	1.0
3.	Ultrasonic water bath sonicator	1 No	0.5
4.	Micro centrifuge (15000 RPM)	1 No	0.25
5.	Gel Electrophoresis unit	1 No	0.25
6.	Vortex	1 No	0.10
7.	UV vis spectrophotometer	1 No	8.0
8.	Microscope (digital)	1 No	6.0
9.	Camera	1 No	5.0
10.	Microbalance	1 No	15.0
11.	Soxtherm	1 No	25.0
12.	Microwave digester	1 No	35.0
13.	Pilot scale partially phased Anaerobic column Bioreactor (Dr. Bodkhe)	1 No	35.0
			226.1
Solid and Hazardous Waste Management (Dr. M.P. Patil)			
1.	Sample preparation system for Dioxins / PCBs and SVOCs		100.0
2.	Rotary evaporator		15.0
3.	Separator funnel shaker		10.0
4.	P700 & Chlorophyll Fluorescence Measuring System		82.0
5.	UV Visible spectrophotometer		10.0
			217.0

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Waste Water Management (Dr. Ritesh Vijay)			
1.	Molecular Modelling Software/ Software for Density Functional Theory-based Molecular modelling	1 No	11.0
2.	Nanobubble Generator System	1 No	5.0
3.	Upgradation of the BET surface area analyser for CO2 adsorption-based analysis	1 No	20.0
4.	Autodesk Enterprise Edition General Design Software AutodeskR (Autocad single user 3 years, 1 user)	1 No	4.0
5.	Spectrocolorimeter	1 No	10.0
6.	Image Processing Software	1 No	22.0
			72.0
Environmental Material and Sustainable Systems (Dr. Amit Bansiwal)			
1.	GC with FID and TCD	1 No	30.0
2.	COD Digester	1 No	9.0
3.	Nanobubble generator based gas separation system with nanobubble tracking system	1 No	15.0
4.	Origin Pro Software	1 No	3.0
5.	Chemdraw software	1 No	3.0
6.	Microware Assisted synthesis assembly	1 No	10.0
7.	Statistical Analysis Software (e.g., Minitab / Stata)	1 No	8.0
8.	Process Hazard Analysis Software (PHA-Pro-Sphera)	1 No	10.0
9.	High-End Workstations	3 Nos.	15.0
			103.0
Clean Energy & Process Engineering (Dr. Rajesh Biniwale)			
1.	UV-Visible Spectrophotometer (double beam)	1 No	8.0
2.	BOD Incubator	1 No	4.0
3.	Deionized Water Purification System	1 No	8.0

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Sr. No.	Name Category of Equipment Item	Quantity (Nos.)	Approximate Cost (Rs. In lakhs)
4.	Vacuum Filtration Unit	1 No	2.0
			22.0
Environmental Biotechnology (Dr. Anshuman Khardanavis)			
1.	UV-Visible Spectrophotometer	1 No	8.0
2.	Digital Viscometer	1 No	1.0
3.	Ultra-Pure Water Purification System	1 No	7.0
4.	Refrigerated centrifuge	1 No	10.0
5.	Multimode Plate Reader	1 No	17.0
6.	Deep Freezer (-80 °C)	1 No	10.0
7.	Gel Documentation System	1 No	10.0
			63.0
Climate Risk, Impact & Adaption (Dr. R.J. Krupadam)			
1.	Air monitoring systems (PM10 and PM2.5)	1 No	15.0
2.	<i>In-situ</i> multi-gas sensing system	1 No	30.0
3.	Portable XRF	1 No	30.0
4.	EDX (Energy-Dispersive X-ray Spectroscopy) for SEM	1 No	40.0
5.	DI Water System	1 No	10.0
			125.0
Centre for Sophisticated Environmental Analyticals (Dr. S.K. Singh)			
1.	Bench Top Fume Hood	1 No.	4.0
2.	Sample Storage Refrigerator	1 No.	2.0
3.	Separator funnel Shaker	1 No.	5.0
4.	Heating Mantle	1 No.	0.2
5.	Muffle Furnace	1 No	1.0
6.	Sonicator	1 No.	1.5
7.	Flammable Cabinet (1 No.)	1 No.	4.0

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Sr. No.	Name Category of Equipment Item	Quantity (Nos.)	Approximate Cost (Rs. In lakhs)
8.	Sieve Shaker	1 No.	2.0
9.	Oven	1 No.	2.0
10.	Bomb Calorimeter	1 No.	6.0
11.	TCLP Extractor	1 No.	4.0
12.	Particle size distribution (Sieve Analysis)	1 No.	2.5
13.	UV- Visible Spectrophotometer	1 No.	10.0
			44.2
IT & Digital Infrastructure Unit (Dr. Shashikant Sadistap)			
1.	High-End Servers	4	30.0
2.	Router for BSNL Internet Leased Line	1	20.0
3.	Network Accessories	-	30.0
4.	Laying Fiber cable network in campus		15.0
5.	Smart Rack 3 Columns		50.0
6.	Layer-2 Switches		80.0
			225.0
Intellectual Property Rights Unit (Dr. Sushant Wath)			
1.	Fume Hood	1	5.0
			5.0
CSIR-NEERI Delhi Regional Centre (Dr. S.K. Goyal)			
1.	TKN ANALYSER	1 No	45.0
2.	Fume Hood	1 No	5.0
3.	Oxytop BOD measurement with Thermostat Cabinet	1 No	12.0
4.	Portable Flow Meter	01 No	30.0
			92.0
CSIR-NEERI Hyderabad Regional Centre (Dr. Shaikh Basha)			
1.	Automatic Protein/Nitrogen Distillation system	1 No	5.0
2.	Fume Scrubber	1 No	5.0
3.	Automatic Kjeldahl Digestion System	1 No	5.0
4.	Gel Documentation Unit	1 No	5.0
5.	Shaker incubator/ Orbital Shaking Incubator	1 No	3.5

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