

Procurement Plan for the Financial Year 2025-26 and 2026-2030

Name of the Laboratory: CSIR-National Environmental Engineering Research Institute, Nagpur

A	FOR THE FINANCIAL YEAR 2025-26
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A(a)	EQUIPMENT
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(i)	Equipment : Out of CSIR Infra Grant
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Sr. No.	Name Category of Equipment Item	Quantity (Nos.)	Approximate Cost (Rs. In lakhs)
1.	ICP-MS (SEAF Sub-vertical) *	01 No.	100.0
2.	Ion Chromatograph (SEAF Sub-vertical) *	01 No.	75.0
3.	ICP OES (SEAF Sub-vertical) *	01 No.	85.0
4.	UV-VIS spectrophotometer (CZC and HZC) *	02 No.	14.0
5.	TKN Digestion and Distillation System (HZC) *	01 No.	12.0
6.	Water Purification System (SEAF Sub-vertical) *	02 No.	16.0
7.	Gel Doc System (EP Sub-vertical) *	01 No.	9.0
8.	GC-MS TQ (SEAF Sub-vertical) *	02 No.	260.0
9.	ICP OES (SEAF Sub-vertical) *	01 No.	130.0
10.	GC-MS TD (SEAF Sub-vertical)	01 No.	85.0
11.	Bench Scale Gas Separation System (ESGE Sub-vertical)	01 No.	25.0
12.	Multi-parameter Discrete analyser (ESGE & SEAF Sub-vertical)	02 No.	160.0
13.	ED XRF (SEAF/APC Sub-vertical)	1 No.	250.0
14.	EC-OC Analyser (SEAF/APC Sub-vertical)	1 No.	200.0
15.	Lab Refrigerator (SEAF Sub-vertical)	4 No.	6.0
16.	Inflammable Storage Cabinet (SEAF Sub-vertical)	4 No.	10.0
17.	Acid Purification System (SEAF Sub-vertical)	1 No.	30.0
18.	Water Purification System (EP Sub-vertical)	1 No.	10.0
19.	Nano Drop (EP Sub-vertical)	1 No.	12.0
20.	TKN System (ESGE Sub-vertical)	1 No.	30.0
21.	COD System (ESGE Sub-vertical)	1 No.	5.0
22.	UV-VIS spectrophotometer (ESGE Sub-vertical)	1 No.	10.0
23.	DO Meter (ESGE Sub-vertical)	1 No.	5.0

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Sr. No.	Name Category of Equipment Item	Quantity (Nos.)	Approximate Cost (Rs. In lakhs)
24.	Turbidity Meter (ESGE Sub-vertical)	1 No.	5.0
25.	Cascade Impactor air sampler (WCTA Sub-vertical)	1 No.	7.0
26.	Weighing Balance with 6 decimals along with anti-vibration table (WCTA Sub-vertical)	1 No.	12.0

* Please note that the equipments listed at Sr. No. 1 to 9, the indents are already initiated and are under process for procurement during the FY 2024-25. In case if procurement of said equipment could not be made during the current financial year, the same may be carry forward to next financial year.

B	FOR NEXT 3-4 FINANCIAL YEARS (2026-29) (From 01/04/2026 to 31/03/2030)
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B(a)	EQUIPMENT (TENTATIVE)
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Sr. No.	Name Category of Equipment Item	Quantity (Nos.)	Approximate Cost (Rs. In lakhs)
SEAF Sub-vertical			
1.	LCMS-MS (SEAF Sub-vertical)	01 No.	400.0
ESGE Sub-vertical			
1.	LCA Tool Up-gradation	1 No.	10.0
2.	Ecoinvent database for LCA	1 No.	5.0
3.	Workstations	2 No.	8.0
4.	Computers	7 Nos.	5.0
ERPM Sub-vertical			
1.	Wearable 5 wavelength Aethalometer MicroAeth MA200	1 No.	20.0
ERPM Sub-vertical			
1.	Statistical Software (SPSS/Minitab/STATA etc.)	1 No.	6.0
2.	Isokinetic Flue Gas Analyzer	2 No.	20.0
3.	Up-gradation of PHAST and SAFETI (Risk Assessment Tool)	1 No.	90.0
WCTA Sub-vertical			
1.	Deep Freezer (– 80°C) and Deep Freezer (– 20°C)	1 No.	14.0
2.	Refrigerated Tissue homogenizer	1 No.	7.0
3.	Sonicator	1 No.	3.0
4.	Autoclave	1 No.	2.0

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Sr. No.	Name Category of Equipment Item	Quantity (Nos.)	Approximate Cost (Rs. In lakhs)
5.	Biosafety Cabinet	1 No.	12.0
6.	Personal Air Monitors	6 Nos.	10.0
EE&PM Sub-vertical			
1.	PromethION Nanopore Sequencer	1 No.	400.0
2.	BSL II Cabinet	1 No.	3.0
3.	BSL III Cabinet (Glove Box)	1 No.	10.0
4.	QuantStudio 5 qPCR	1 No.	20.0
5.	Vitek MALDI-ToF	1 No.	100.0
WR Sub-vertical			
1.	RES2DINV and RES3DINV professional with perpetual License Software	1 No.	12.0
Hyderabad Sub-vertical			
1.	Lab Fridge 40C	1 No.	3.0
2.	Hot Air Oven	1 No.	2.5
3.	Double Distillation Water System	1 No.	2.5
4.	BOD Incubator	1 No.	3.5
5.	Multi parameter Analyser	2 No.	5.0
6.	Table Top Turbidity meter	1 No.	1.5
CC&GM Sub-vertical			
1.	TGA	1 No.	75.0

B (b)	CONSUMABLES
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Sr. No.	Category	Expected Procurement value (Rs. In Lakhs)
1	R&D Consumables for closed loop systems (sensors, electrodes, software upgradation, etc)	125.0
2	Chemicals (Solvents, CRMs, SRMs and other reagents, etc)	125.0
3	Other Consumables (Column, Syringes, Farm Consumables, Filter papers, Planting materials, seeds, Agriculture accessories, etc.)	125.0
4	Glass wares (Beakers, Conical Flask, Volumetric Flask, Burette, Pipette, Digital Burette and Pipette etc.)	100.0
5	Plastic wares (Beakers, Conical Flask, Volumetric Flask, Bottles etc.)	100.0

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Sr. No.	Category	Expected Procurement value (Rs. In Lakhs)
6	Toner Cartridges.	30.0
7	Batteries, etc.	50.0
8	Gases (Argon, Helium, Oxygen, Nitrogen etc.)	50.0
9	Maintenance/AMC/repairing of existing equipment	75.0
10	Stationery items (Towels, napkins, duster, pen, pencil, eraser, sharpener, marker, etc.)	50.0
11	IT/software-related Items (Computer, Printer, Scanner, Laptop, Switches, Server etc.)	250.0
12	Furniture (Laboratory Table, Computer Table, Executive Table, Chairs, Lab Stool, Storage Cabinet etc.)	100.0
13	Electric Items (Generator, Transformer, Cables, Fan, Tube lights, Halogens, Protective Switches etc.	120.00