

NATIONAL PRODUCTIVITY COUNCIL (NPC)

OFFICER PROFILE / CURRICULUM VITAE

1. BASIC INFORMATION

Name	Natarajan Pratap	
Designation	Director Grade-I (Environment)	
Group / Division	Environment & Climate Action Group	
Regional / Branch Office	Regional Directorate, Gandhinagar, Gujarat	
Official Email	n.pratap@npcindia.gov.in	
Official Contact No.	9898903566 / (079)23287344	
Discipline / Specialization	Chemical Engineering; Environmental Engineering; Environment & Climate Action	

2. AREAS OF EXPERTISE

- Pollution Prevention and Control; Waste Management
- Circular Economy; Sustainability; Green Productivity
- Environmental Governance; Cleaner Production; Material Flow Cost Accounting
- Environmental, Social and Governance (ESG); Resource Efficiency and Environmental Performance Improvement
- Greenhouse Gas (GHG) Accounting and Climate Action; Environmental Compliance & Regulatory Assessment

3. PROFESSIONAL SUMMARY

Over 22 years of professional experience in environmental consultancy, technical advisory, project leadership, regulatory assessment and capacity building, with expertise in pollution prevention and control, waste management, circular economy, sustainability, cleaner production, ESG and climate action. Experienced in leading multidisciplinary studies, field investigations, environmental compliance and capacity verification, environmental performance assessment, technical proposal preparation, stakeholder engagement and training programmes for government, regulatory and industrial clients.

4. EDUCATIONAL QUALIFICATIONS

Qualification	Specialization / Subject	Institution / University	Year	Remarks
Bachelor of Technology (B.Tech)	Chemical Engineering	University of Madras	2001	Full Time
Diploma in Industrial Safety	Industrial Safety	Annamalai University	2002	Part Time
Master of Environmental Engineering	Environmental Engineering	Griffith University	2004	Full Time
Master of Business Administration (MBA)	Personnel Management	Bharathiar University	2006	Part Time

5. PROFESSIONAL EXPERIENCE

Organization	Designation	Period	Key Responsibilities	Key Achievements
National Productivity Council (NPC), Gandhinagar	Director Grade-I (Environment)	Sep 2023 – Present	Project leadership; environmental consultancy and training; technical proposals; field studies; presentations; inspections, verification and evaluation.	Leading major assignments in e-waste and waste tyre recycling, environmental compliance and capacity verification, groundwater and environmental assessment, secured landfill development,

Organization	Designation	Period	Key Responsibilities	Key Achievements
				sustainability, ESG and environmental performance assessment; represented NPC in technical/expert engagements with regulatory and government agencies; delivered expert training and capacity-building programmes.
National Productivity Council (NPC), Gandhinagar	Director Grade-II (Environment)	Jul 2019 – Aug 2023	Environmental consultancy, project execution, client coordination, technical reporting, field assessments and training.	Led and executed multidisciplinary environmental consultancy assignments including biomedical waste management, environmental performance and resource-efficiency assessments, DPR preparation, pollution-load assessment and capacity-building programmes; developed e-learning courses and delivered expert training on waste management, MFCA and environmental sustainability.
National Productivity Council (NPC), Gandhinagar	Deputy Director	Feb 2010 – Jun 2019	Execution of environmental studies, field investigations, consultancy assignments, technical reporting and stakeholder coordination.	Led/participated in cleaner production, resource-efficiency and MFCA assignments across diverse industrial sectors; coordinated capacity-building programmes for industries, students and government officials; undertook environmental performance, pollution-control and secured-landfill assessments.
National Productivity Council (NPC), Gandhinagar	Assistant Director	Jan 2006 – Jan 2010	Technical support for environmental consultancy, studies, field work, data collection and report preparation.	Established foundation in environmental engineering, industrial safety and consultancy/project execution.

6. KEY PROJECTS / ASSIGNMENTS

Project / Assignment	Role / Responsibility	Duration	Outcome / Impact
Comprehensive Audit and Capacity Verification of Registered E-Waste Recyclers in Gujarat (30 units) – GPCB	Project Leader	6 months	Conducted compliance/status and capacity verification of registered units and assessed infrastructure, recycling processes and operational capacity; provided recommendations on SOPs, advanced equipment, 5S, worker training, capacity utilization, energy efficiency, recycling and environmental compliance.
Comprehensive Audit and Capacity Verification of Registered Waste Tyre Recycling Units in Gujarat (20 units) – GPCB	Project Leader	6 months	Undertook field verification of registered units and assessment of installed/operational capacity, infrastructure, recycling processes, environmental compliance and relevant records/documents.

Project / Assignment	Role / Responsibility	Duration	Outcome / Impact
Feasibility Study, Detailed Design and Development of Secured Landfill-9 – Hindalco Industries, Birla Copper, Dahej	Project Leader	Project assignment	Feasibility/design support for secured landfill development and environmental management.
Pilot Study for Verification of Plastic Waste Processors in Gujarat (5 units) – GPCB	Project Leader	Project assignment	Verification of registered plastic waste processors and assessment of status/capacity.
Bio-Medical Waste Management Study – Government Hospitals, Gujarat	Project Leader	Project assignment	Study covering 10 Government Hospitals in Gujarat, including GMERS Gandhinagar; preparation of individual reports and capacity-building programmes for hospital staff. Approximately 526 hospital staff trained.
Cleaner Production Assessment in Vitrified Tile Manufacturing Units – Gujarat Granito Manufacturers Association / GPCB	Project Leader	Project assignment	Identified cleaner production, pollution prevention, resource conservation and energy-efficiency measures, with anticipated monetary savings of approximately ₹1.64 crore and simple payback of less than one year.
Productivity Promotion with Special Focus on Innovation and Dissemination for Multiplier Effect – DPIIT, Ministry of Commerce & Industry	Project Coordinator / Subject Matter Expert & Trainer	3 years	Built MFCA awareness and implementation capacity among approximately 2,500 participants from 300 MSMEs; supported improvement projects focused on material and energy efficiency.

7. TRAINING / CERTIFICATIONS

Training / Certification	Institution / Issuing Body	Year	Remarks
Greenhouse Gas (GHG) Accounting – Based on ISO 14064-1, ISO 14064-2 and ISO 14064-3	Bureau Veritas	2026	Issued 26 th September 2026
iGOT Karmayogi – Specializations in PM GatiShakti, Evidence-Based Policy Making, AI in Government, Public Governance Models, Digital Transformation and Jan Bhagidari	Government of India	2025-26	
Reporting with the GRI Standards – 2021 Update	GRI	2024	Certified – 26 July 2024
Bharat 4.0: Digital Readiness Assessment Tool	NPC – APO	—	Training completed
Material Flow Cost Accounting (MFCA) and ISO 14051	APO experts	—	Specialized training
Capacity Building Project for Six Waste Management Rules (2016) – Training of Trainers	NPC & CPCB	2017	29–30 June 2017
Advanced Training Course for Green Productivity Practitioners	APO & Japan Productivity Center (JPC), Tokyo	2013	9–13 December 2013
Management and Monitoring of Agricultural Water Quality for Green Food Production in Asia Pacific Region	APO, Japan, Taipei	2008	Five-day study meeting; 29 Sep–3 Oct 2008

8. PUBLICATIONS / PAPERS / PRESENTATIONS

- Natarajan Pratap, "Green Growth Through Cleaner Production in the Indian Vitrified Tile Manufacturing Industry: An Empirical Study", Productivity: A Quarterly Journal of the National Productivity Council, Vol. 66, Issue 4, 2026, pp. 426–436. DOI: 10.32381/PROD.2026.66.04.10.
- "An Alternative Efficient and Economical Method to Discharge High TDS and COD Effluents from the Industries" – The IUP Journal of Chemical Engineering, Vol. II, No. 3, pp. 33–43, September 2010.

9. AWARDS / RECOGNITIONS

Nil

10. OTHER RELEVANT INFORMATION

Professional Appointment: Member, State Expert Appraisal Committee (SEAC), Gujarat (2014–2020), assisting SEIAA Gujarat in project appraisals for environmental clearance.

Expert / Institutional Engagements: Represented NPC in technical committees, expert meetings, inspections, consultancy assignments and capacity-building programmes involving CPCB, GPCB, PCC, BEE and MoEF&CC; served as expert speaker/resource person on circular economy, waste management, environmental sustainability and related subjects.

Languages: English, Hindi and Tamil. • IT proficiency: MS Word, MS Excel and MS PowerPoint.

Declaration: I hereby declare that the details furnished above are true and complete to the best of my knowledge and belief.



Signature of the Officer
Name: Natarajan Pratap