

NPC Consultant Professional Profile

I. Personal Information

Name: Abhishek Johri

Date of Birth: 08.03.1999

Current Position & Domain: Assistant Director, Environment Management

Office Location: Regional Directorate, Mumbai

Languages: English, Hindi

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II. Professional Summary

I am a young and passionate environment engineering and management graduate from IIT Kharagpur with a background in civil engineering. I am currently serving as Assistant Director at National Productivity Council, Regional Directorate, Mumbai. My expertise lies in the field of environment management, sustainability, solid waste management, circular economy and resource recovery. I have completed several different projects at National Productivity Council which includes energy audits and water audits for cement plants, logistic and warehousing industries.

III. Areas of Expertise

Core Expertise:

- Environmental Management
- Solid Waste Management
- Sustainability Reporting
- Circular Economy
- Water and Energy Audits
- Inspections

Specialized Skills:

- Data Collection and Analysis
- Life Cycle Analysis and System Analysis
- Material Recovery Facilities and RDF Processing Plant Design
- Training and Capacity Building
- Extended Producer Responsibility

Industry Focus:

- Multilateral Organisation (Cement Industry, Logistics and Warehouse Industry)
- Corporates
- Ministry Department and Government Agencies, Urban Local Bodies

IV. Professional Experience

Current Position: Assistant Director **Organisation:** National Productivity Council, Mumbai **Duration:** April 2024 - Present]

Key Responsibilities:

- Agriculture data collection from different stakeholders in Maharashtra followed by data analysis for the **Department of Fertilizers** for evaluating the efficacy of nano urea in comparison with conventional urea.
- Physically verified the energy consumption trends and evaluated the applicable EPI to assign ratings to commercial buildings under the **Bureau of Energy Efficiency (BEE)** star rating program.
- Conducted water audits for **logistics, warehousing and cement industries** for benchmarking and identifying the possible ground water saving opportunities in the plants.

V. Major Project Experience in NPC [For each significant project, include:]

Project Title: Water Audit as per CGWA guidelines

Client Name: Ultratech Nagpur Cement Works and NRC limited **Type:** Pvt **Sector:** Cement Industry and Logistic and Warehouse industry

Role: Conducted fieldwork, data collection and analysis, and preparation of reports.

Duration: 2024-2025

Problem Definition: Client wants to Identify water consumption patterns, inefficiencies in water usage in their plants and potential water saving opportunities.

Recommendations Made: After collection of baseline data from the field and client, a detailed analysis is done considering the water usage patterns, water conveyance system, and available water conversation infrastructure at the premises of client. The analysis of the study highlights the potential water savings opportunities and suggested the possible measures for doing the same.

Impact Created:

- Suggested measures for water conservation.
- Minimized wastage of water which is a precious resource.

Project Title: Verification of energy data for BEE Star rating of buildings

Client Name: BEE **Type:** Government **Sector:** Logistics Industry, Railway Sheds, Commercial Buildings

Role: Auditor

Duration: 2024-2025

Problem Definition: To evaluate the BEE star rating of a building based on the energy consumption trends

Recommendations Made: Suitable BEE star rating is assigned to the building based on its energy performance index (EPI), depending on the category of the building.

Impact Created:

- Adoption of energy efficient practices to reduce energy consumption as well as GHG emissions.
- It provides a premium branding for the building and shows the environmental consciousness of the management

Project Title: Evaluating the efficacy of liquid nano urea in comparison to conventional urea

Client Name: Department of Fertilizers **Type:** Government **Sector:** Agriculture

Role: Consultant

Duration: 2024-2025

Problem Definition: To ascertain the efficacy of liquid nano with respect to conventional urea in agriculture from different stakeholders in Maharashtra

Recommendations Made: The feedback/perception of various stakeholders regarding the usage of liquid nano urea in agriculture

Impact Created:

- Agriculture data inventory developed for the Jalgaon district.
- Collected baseline data could be used as foundation for policy formulation on commercialisation and distribution of liquid nano urea to farmers.

VI. Educational Background

Highest Degree: Doctor in Philosophy

- **Degree:** PhD
- **Institution:** Indian Institute of Technology Bombay **Type:** Part-Time
- **Year:** Pursuing
- **Specialization:** Municipal Solid Waste Management, Recycling, Resource Recovery, Circular Economy
- **Degree:** M. Tech
- **Institution:** Indian Institute of Technology Kharagpur **Type:** Full Time
- **Year:** 2022
- **Specialization:** Environmental Engineering and Management
- **Degree:** B. Tech
- **Institution:** Zakir Hussain College of Engineering and Technology, Aligarh Muslim University **Type:** Full-Time
- **Year:** 2020
- **Specialization:** Civil Engineering

VII. Research and Publications

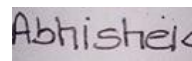
Recent Publications:

- New-Age Nano Adsorbents for Water Purification S Biswas, A Johri, A Pal - Nanomaterials for Air-and Water Purification, 2024

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that I shall be responsible for any willful misstatement described herein.

Date: 14.02.2025
Place: Mumbai


Abhishek Johri

Profile Update History

Last Updated: [14 Feb 2025]