

# Madhuri Singh

Environment Officer  
JK Cement Ltd.



# Who I Am & What I Do



## About Me & My Work

I work as an Environment Officer at JK Cement Ltd., where I am actively involved in managing the company's environmental responsibilities—ensuring compliance with statutory norms while supporting sustainable industrial practices across our cement operations.



## Role & Expertise

My core responsibilities include conducting reviewing regular environmental monitoring (air, water, noise, waste), and submission of statutory reports to regulatory authorities. I am actively involved in both internal and third-party environmental audits, stakeholder coordination during inspection visits, and capacity-building for operational teams on compliance protocols. I also contribute to aligning actions with broader sustainability and ESG objectives. I also work for sustainability assessments that help align our operations with national environmental standards and JK Cement's broader ESG goals.



## Approach & Philosophy

I believe environmental management must go beyond just meeting regulations—it should actively create value for both business and the environment. I take a proactive, data-driven approach to identifying risks and driving continuous improvement, while fostering transparent engagement with both internal stakeholders and regulatory bodies. My goal is to integrate sustainability into everyday decision-making on the shop floor and beyond

# My Innovation / Approach / Framework

01

## What is the idea or solution?

I implemented a structured compliance and monitoring framework that consolidates regulatory reporting, pollution control data (air, water, noise, waste), and environmental audit inputs into a centralized workflow for improved operational efficiency and faster decision-making.

02

## What problem does it solve?

This model addresses the recurring challenge of fragmented data collection, delayed environmental reporting, and non-standardized audit readiness across industrial units—reducing the risk of non-compliance and improving transparency in internal and external reviews.

03

## Where has it been applied?

The framework has been implemented at JK Cement's Nimbahera manufacturing plant in Rajasthan, India, one of the company's largest units

04

## What makes it different from other approaches?

Unlike traditional reactive compliance models, this solution integrates real-time data collection, proactive compliance alerts, and team accountability—bridging the gap between operations and sustainability goals. It also aligns closely with updated CPCB/SPCB protocols and JK Cement's internal ESG roadmap.







### Sustainability Review Recognition



Praised as a model for replication in JK Cement's review

### SPCB Inspections Passed



Successfully passed 4 SPCB inspections with no major non-conformities

### External Audits Passed



Successfully passed 2 external audits with no major non-conformities

### Waste Diversion



120 metric tons of waste diverted from landfill annually

### Water Recycling



15 million litres/year water recycled through new system

### PM10 Reduction

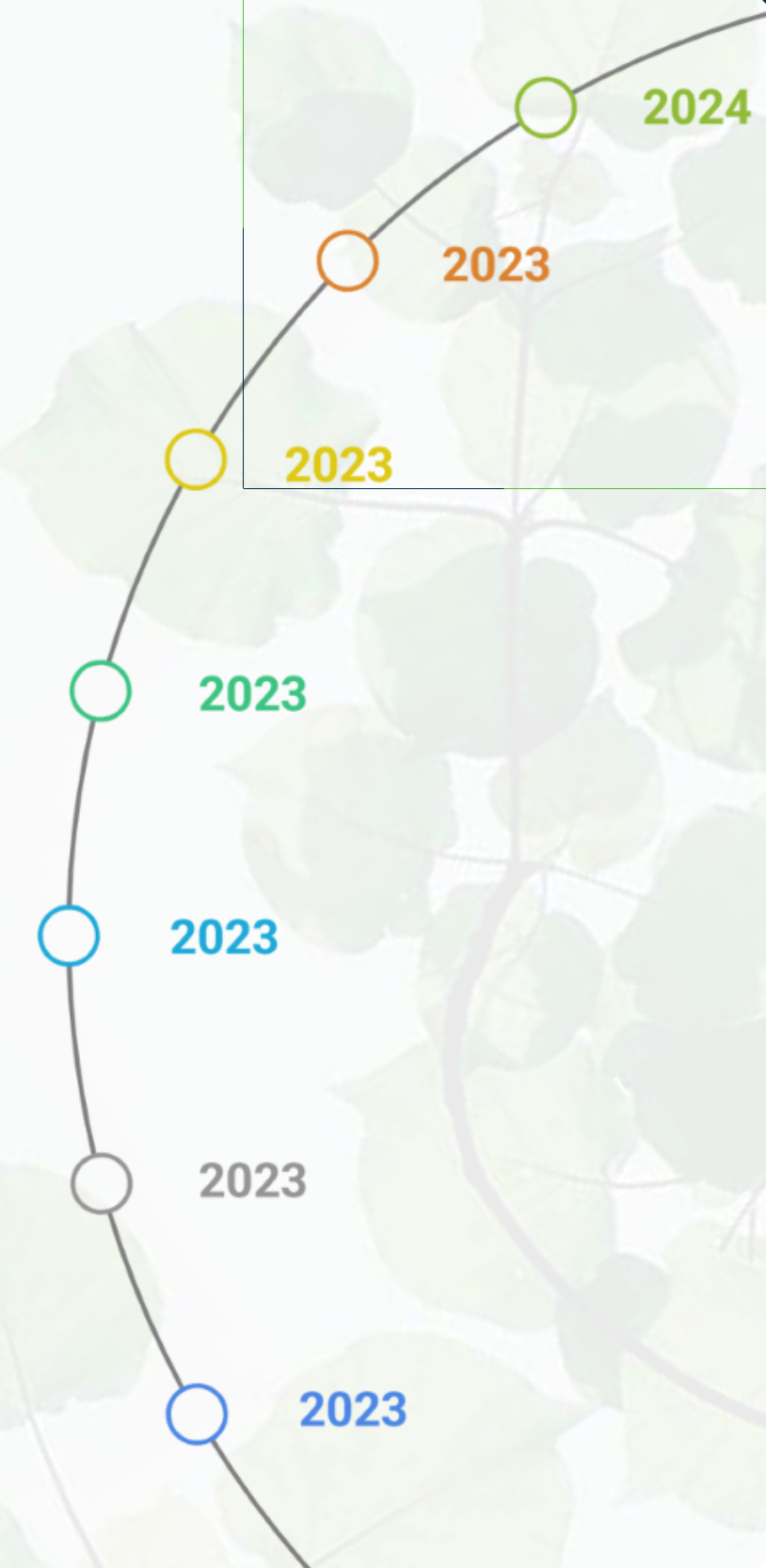


8% decrease in particulate matter emissions achieved

### Framework Implementation



Integrated compliance and monitoring system launched at Nimbahera unit





# Why It Matters to the BlueCities Network?

## Collaboration Opportunities

Open to joint monitoring pilots and knowledge exchange.



## Seeking from BlueCities Network

Seeking partners to scale and integrate the framework.



## Relevance to Other Cities and Rivers

Supports pollution control and water reuse in urban areas.



## Scalability and Replication

Modular framework adaptable across various industrial settings.

