

# State of Air Quality in West Bengal

An overview on the occasion of  
**NATIONAL POLLUTION CONTROL DAY, 2021**

Date: **2nd December, 2021**

## Current Situation

The AQI in Kolkata around **226** in November 2021.



**Kolkata's Air pollution is 20x** higher than WHO's standard

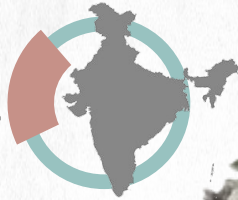
## Context

On **2nd December 1984**, the Bhopal gas tragedy took place. Even after 37 years, the event continues to evoke strong emotions. The Condition is compared to a gas chamber. Here is an overview of air quality in West Bengal to sensitize people.

## Death by Air Pollution

West Bengal (**20.8%**)

**second-highest number of deaths** linked to air pollution in India



In Kolkata, people to **lose 9 years of life expectancy** if 2019 concentrations persist.

Study by University of Chicago

## Causes Of bad air In Winter



## Factors Responsible

Smog

High pressure due to anti-cyclonic activities

Lack of rainfall

Inversion of temperature

**15 of 23 districts**

in 2017 recorded PM10 levels higher than the nationally permissible limit ( $60 \mu\text{g}/\text{m}^3$ )

## Towards better future



Develop sustainable mobility solutions with priority on Non Motorised Transportation and Pedestrian.



More **Electric Transportation** (Like Electric Bus) to reduce dependence on motor (ICV)



Need properly implemented **city-specific pollution policies**

## Trends in PM10 concentration

PM10 decreased during lockdown. But again, there is an increase

