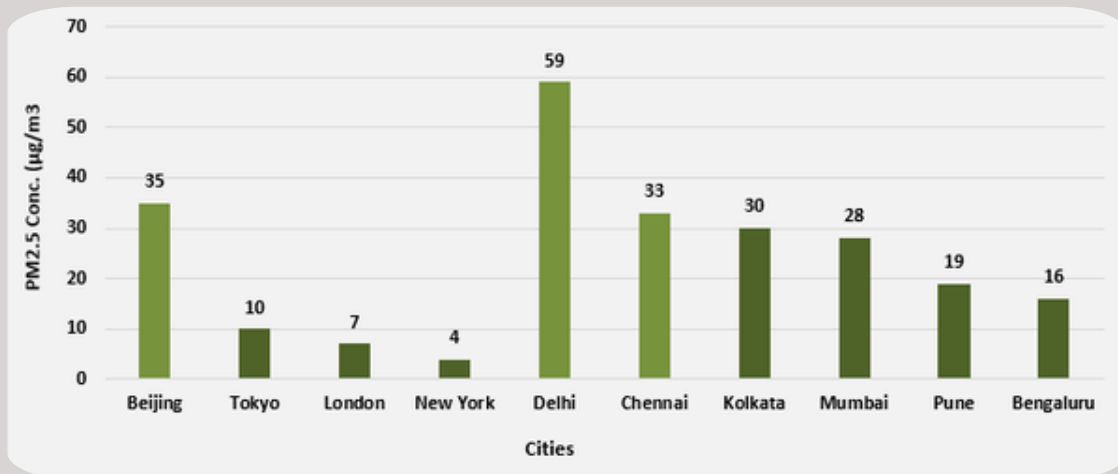


CERCA Weekly Newsletter



Centre of Excellence for Research on Clean Air (CERCA)
Indian Institute of Technology, Delhi

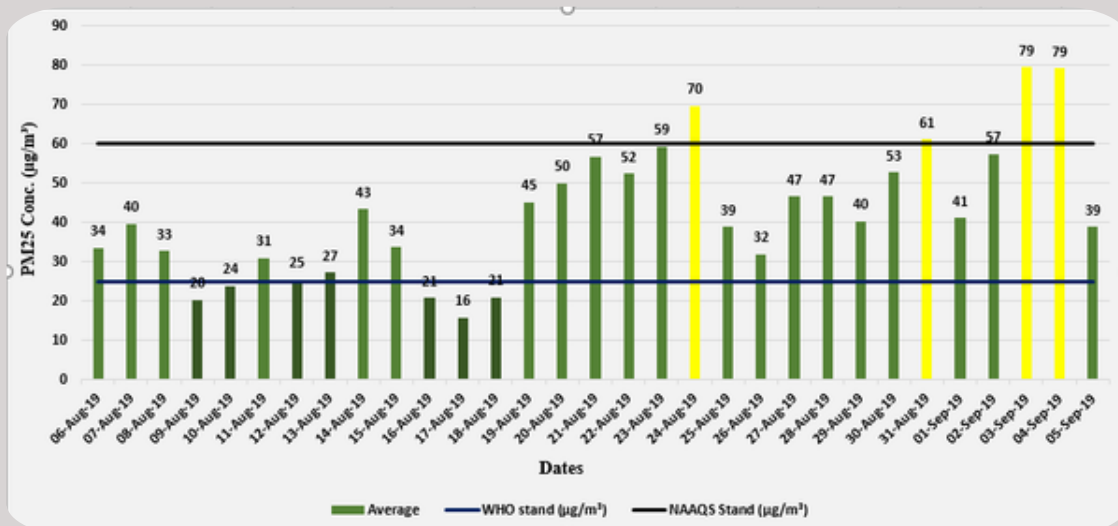
Air Quality in different cities »



September 26, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

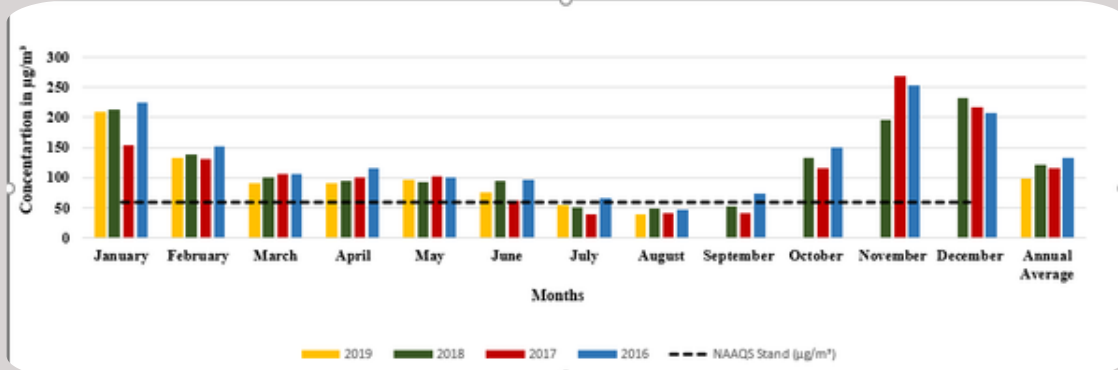
Delhi air quality for last 30 days »



Average PM2.5 Air Quality for 10 monitoring stations in Delhi

Data Source: CPCB

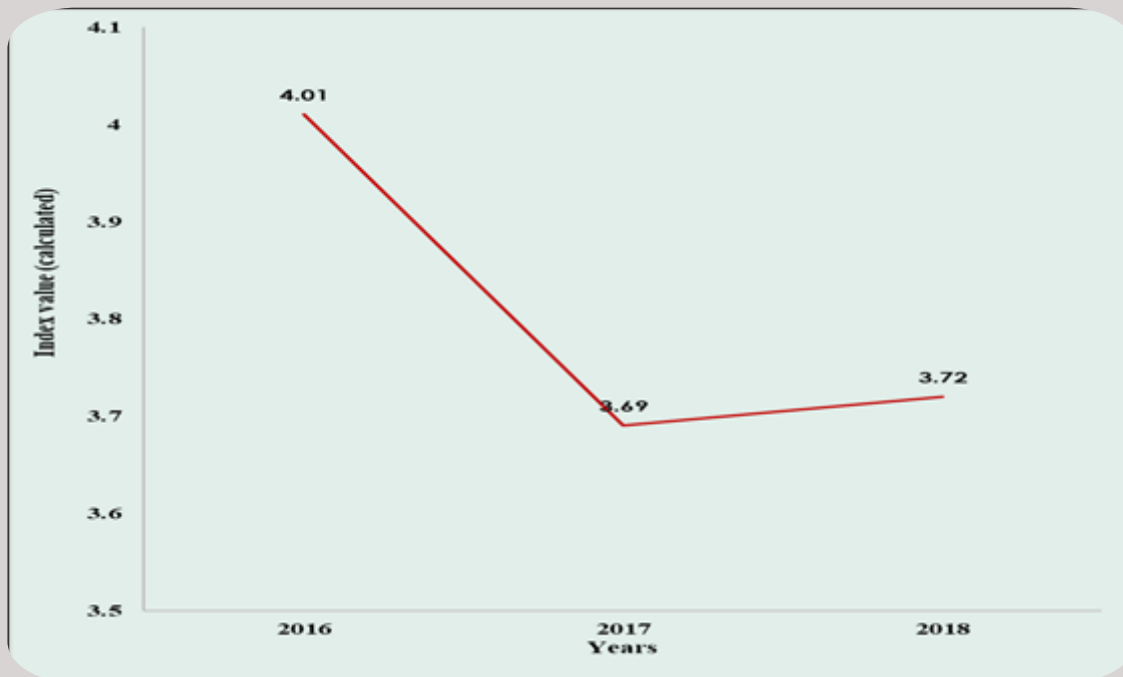
Delhi long term air quality trend »



Average Air Quality has marginally improved in 2019 w.r.t 2018, 2017 and 2016.

Data Source: Source: Data from 10 monitoring stations (CPCB)

Delhi Air Quality Index »



Delhi Air quality Index is derived from no of days of different air quality. The index have improved in 2017 and had worsened a little in 2018.

Data Source: Air Quality Index Data

Air quality health impacts »

AQI	Associated Health Impacts
Good (0–50)	Minimal Impact
Satisfactory (51–100)	May cause minor breathing discomfort to sensitive people
Moderate (101–200)	May cause breathing discomfort to the people with lung disease such as asthma and discomfort to people with heart disease, children and older adults
Poor (201–300)	May cause breathing discomfort to people on prolonged exposure and discomfort to people with heart disease with short exposure
Very Poor (301–400)	May cause respiratory illness to the people on prolonged exposure. Effect may be more pronounced in people with lung and heart diseases
Severe (401–500)	May cause respiratory effects even on healthy people and serious health impacts on people with lung/heart diseases. The health impacts may be experienced even during light physical activity

Air quality health impacts »

Thought Leadership »



Fighting Indoor Air Pollution

Scientists have linked dirty air to a long list of health problems, and the danger can seem all the more frightening because, unlike with many other risks, we have no choice about breathing.

Source: *The New York Times*

New Measures and Initiatives »



Delhi's Own Winter Action Plan To Combat Air Pollution Is Here

The Odd-Even car rationing scheme will make a comeback on Delhi roads from November 4-15, Chief Minister Arvind Kejriwal said on Friday as he announced a slew of measures planned to combat air pollution.

Source: *The Hindu*



World's first emissions trading project to tackle industrial air pollution kicks off in Surat

The emissions trading programme allows the government to put a cap on emissions and industries to buy and sell credits to maintain emissions below the cap.

Source: *Mirror Now*

Health Impact »



Soot pollution particles 'cross the placenta' Study

Air pollution particles have been found on the foetal side of placentas, indicating that unborn babies are directly exposed to the black carbon produced by motor traffic and fuel burning.

Source: *The Guardian*



Air pollution linked to bipolar disorder, depression

The World Health Organization links it to deadly diseases like lung cancer and stroke, and new research suggests that

polluted regions see more cases of neurological disorders like depression and bipolar disorder.

Source:National Geographic

International Developments »



Indonesian haze closes schools, sparks fears for Singapore F1'

Toxic haze from Indonesian forest fires closed thousands of schools across the country and in neighboring Malaysia Wednesday, while air quality worsened in Singapore just days before the city's Formula One motor race.

Source:The Hindu



West Africa struggles with rise in pollution

Emissions of volatile organic pollutants in West Africa are 100 to 150 times higher than current estimates for the region, according to a study by researchers.

Source:Phy.org

New Research (study) or Policy »



Fighting Air Pollution with a \$1 Tool

A simple new tool made from a plastic bottle could help efforts to track and reduce ammonia emissions from agriculture .

Source:LiveIAEA



Delhi Slips Six Places in World's Most Liveable Cities Ranking owing to climate change

The national capital has dropped by six places to rank 118th on a list of the world's most liveable cities due to poor air quality.

Source:Mongabay

New Technology »



All buses in India to be electric in next two years, says Nitin Gadkari

The Union Minister of Road Transport and Highways Nitin Gadkari Monday said that all buses in the country would be converted into electric within a span two years



Ashok Leyland gets BSVI certification for heavy duty truck range

Its entire range of heavy duty trucks has been upgraded to meet BS-VI emission norms, which come into force from April 1, 2020. The company has become the first Indian original equipment manufacturer (OEM) to meet BS-VI emission norms across its full range of heavy duty truck.

Source:Economic Times

For more details visit <http://cerca.iitd.ac.in/>

CONTACT US

HEMANT KAUSHAL

Project Coordinator, CERCA

Email: cerca@iitd.ac.in

Phone (Office): +91 (11) 2659 7361 (Mobile): +91 9650992399

Address: MS 207/ C 20, Indian Institute of Technology (IIT) Delhi, Hauz Khas, New Delhi 110016, INDIA

Copyright © 2019 CERCA, IIT Delhi