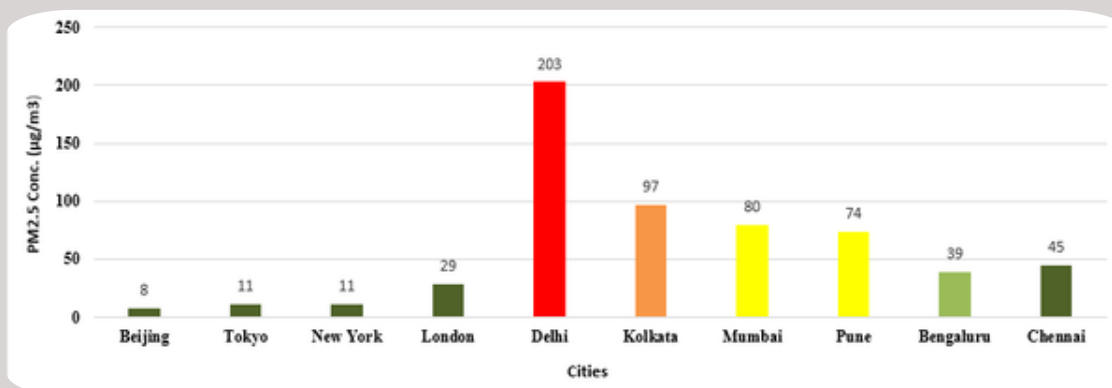


CERCA Weekly Newsletter



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

Air Quality in different cities

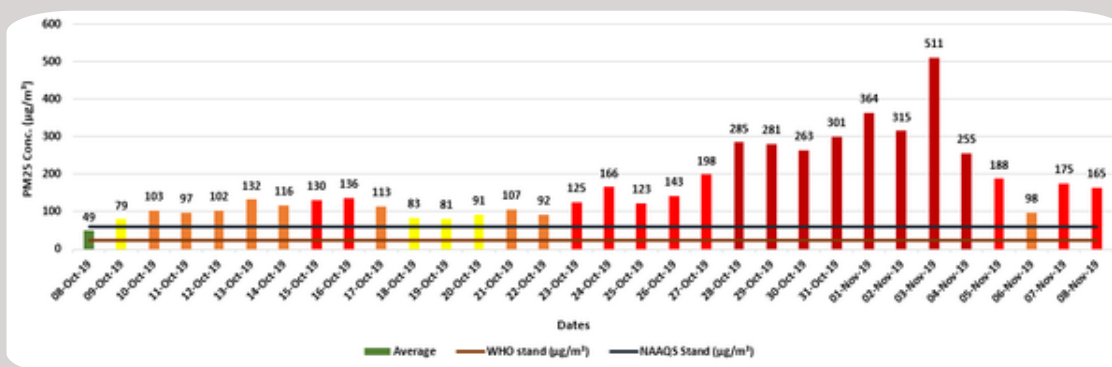


Delhi Air Quality is in 'moderate' category in comparison to other cities in India and Globally.

December 06, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

Delhi air quality for last 30 days

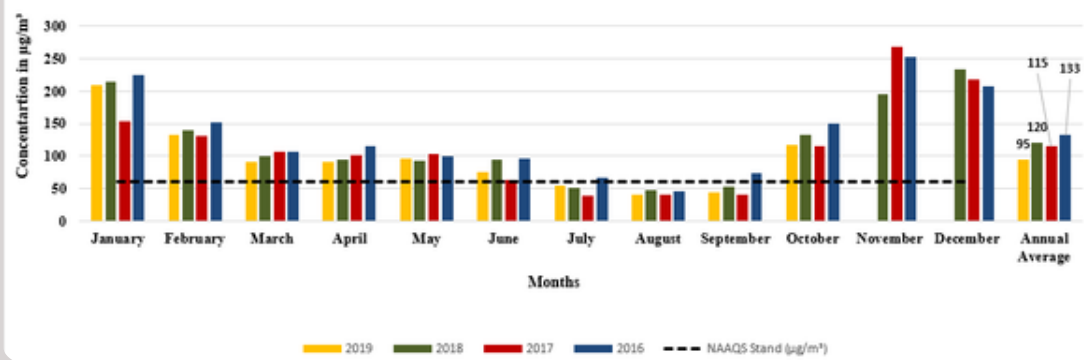


During the last 30 days, Delhi Air quality has moved from "Moderate" to "emergency condition" by the end of October'2019.

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

Data Source: CPCB

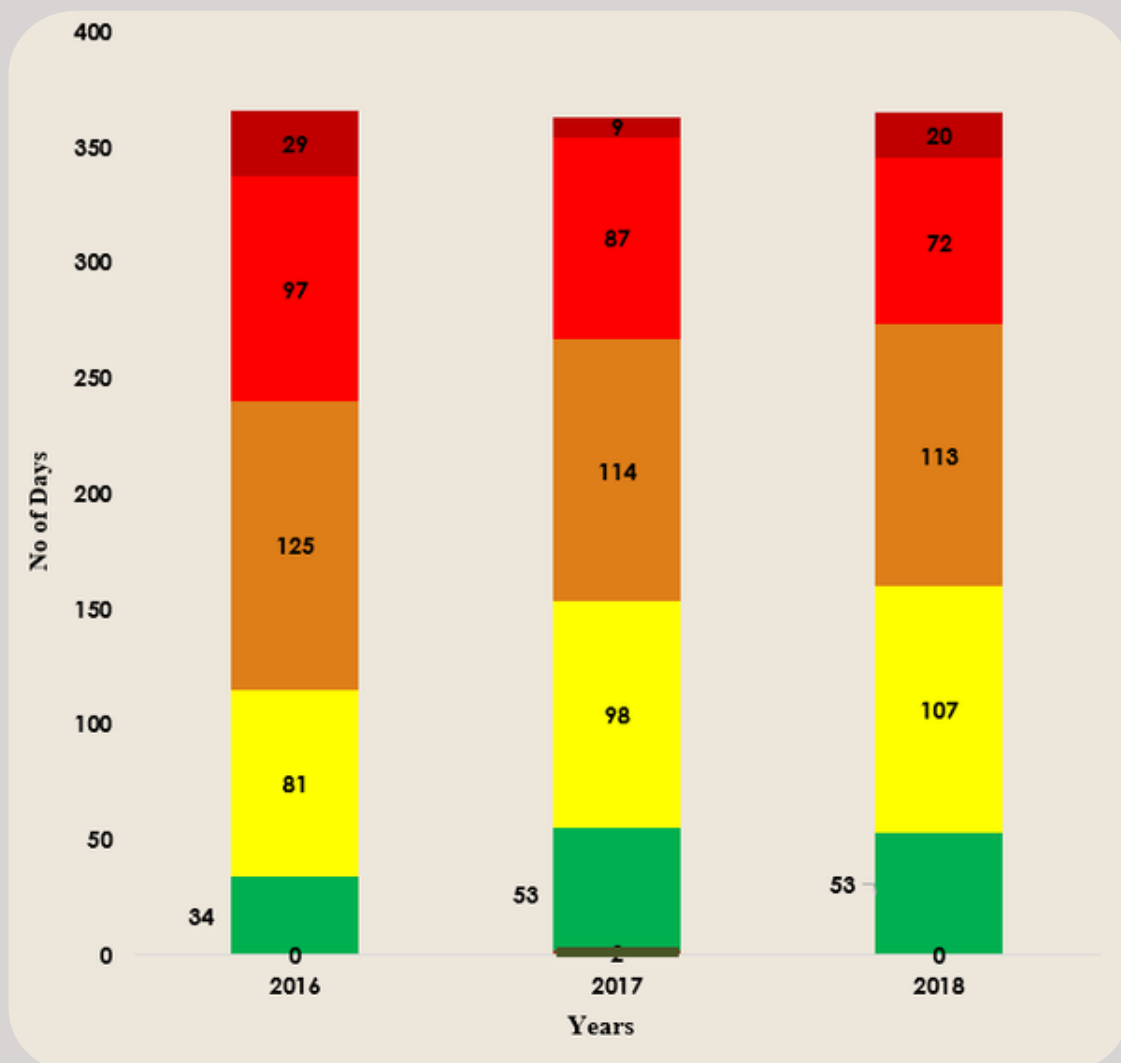
Delhi long term air quality trend



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



The graph represent the no of days in each category i.e., Good to Severe for last three years (2016-2018). The no of days in severe category reduced from 29 (2016) to 09 (2017) and then increased to 20 in 2018..

Data Source: Source: Data from AQI (CPCB)

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

Thought Leadership



Stubble burning is not the only culprit

A solution to Delhi's air pollution problem must look at farmers economic conditions, science and policy change.

Source: UNICEF

New Measures and Initiatives



MPCB gets real-time air pollution data using drones

BMaharashtra Pollution Control Board (MPCB) has started using drones (unmanned aerial vehicles) to monitor pollution at specific traffic junctions in the city. MPCB said it had received permission from Mumbai Police to use drones .

Source: The Hindustan Times



Air pollution: HC orders removal of encroachments in Delhi ridge, dart shots from chopper to plant seeds

The Delhi High Court on Monday asked the Delhi government and other authorities to chalk out an action plan to curb air pollution by removing encroachments in forest areas and suggested the use of dart shots from helicopter to plant seeds in the wooded regions.

Source: Hindustan Times

Health Impact



Air pollution linked to higher risk of glaucoma: Study

Report published in the journal Investigative Ophthalmology & Visual Science says that neighbourhoods with higher amounts of fine particulate matter pollution were at least 6% more likely to report having glaucoma than those in the least-polluted areas.

Source: The Hindu



Don't stay out in smog for long: Air pollution can damage brain, lead to Alzheimer's

Exposure to higher levels of fine air pollutants may cause decline in memory, and lead to Alzheimer's-like brain damage, according to a study

Source: The Economic Times

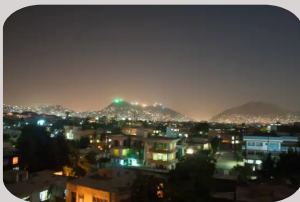
International Developments



NSW endures longest spell of air pollution on record as bushfires flare near Sydney

Six emergency warnings issued in NSW, while many parts of the state and Queensland remain blanketed in smoke.

Source: The Gaurdian



Worse than Beijing: Call for air pollution curbs as Sydney climbs global rankings

NSW Health issued a bushfire smoke alert for a third day on Friday, advising those with asthma or other lung conditions to limit outdoor activity.

Source: The Sydney Morning

New Research (study) or Policy



Delhi air pollution paves the exit route for urban families

Families, particularly those with children and who have the means, are opting to relocate from Delhi driven by the increasing air pollution and its impact on health.

Source: The Hindu



Air quality in Delhi turns 'very poor'

The air quality in the national capital turned "very poor" on Thursday due to falling temperatures, high humidity and calm winds.

Source: *The Times of India*

New Technology



Hyundai initiates feasibility study for fuel cell electric vehicles in India

The company has initiated a feasibility study for fuel cell electric vehicles in the country and promises to bring a solution with zero emissions.

Source: *Economic Times*



Mahindra & Mahindra launches BS-VI compliant XUV300

Mahindra is proactively transitioning its mobility portfolio to BS-VI emission standards in a phased manner.

Source: *Economic Times*

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

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