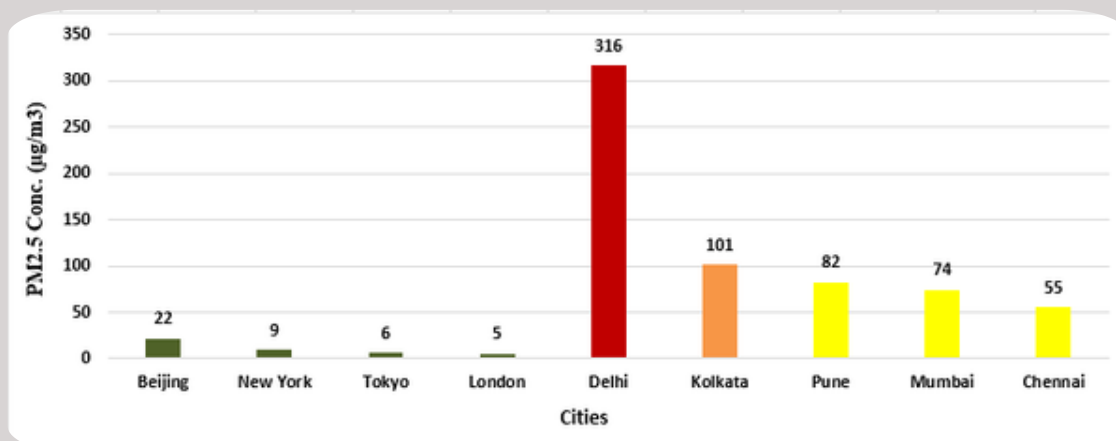


CERCA Weekly Newsletter



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

Air Quality in different cities

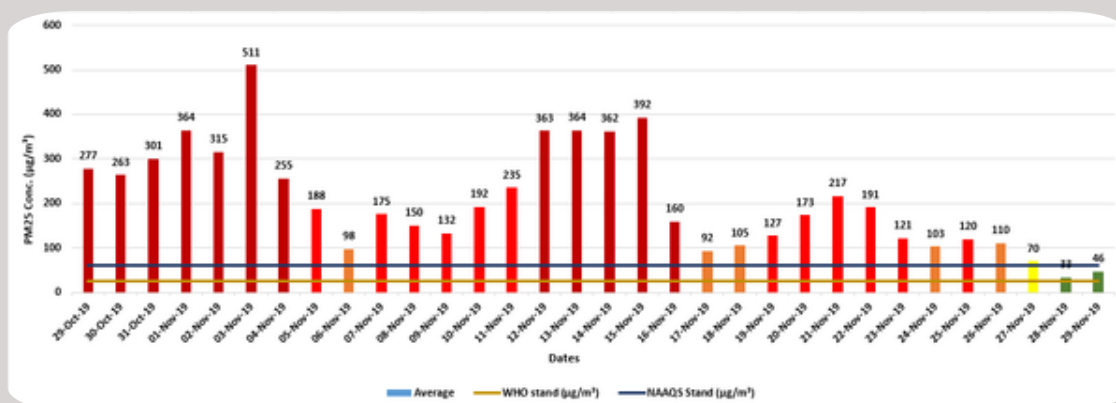


Delhi Air Quality is in 'very poor' category in comparison to other cities in India and Globally.

December 20, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

Delhi air quality for last 30 days

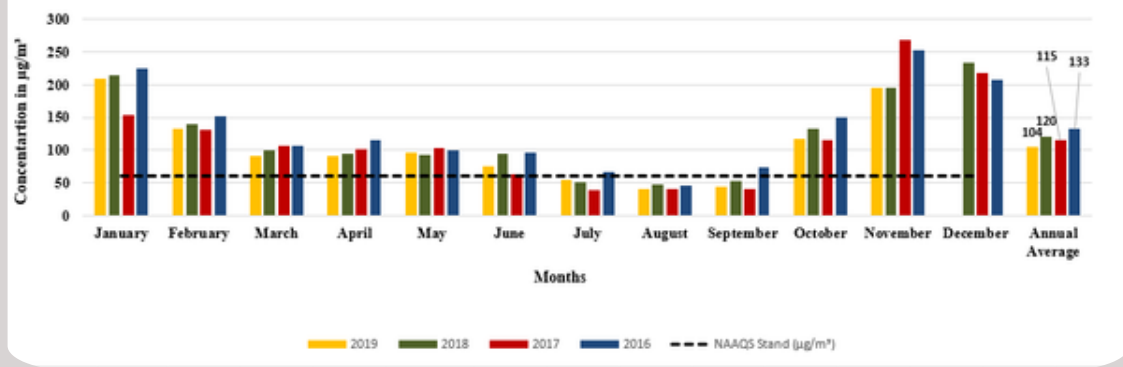


During the last 30 days, Delhi Air quality is in "severe" category.

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

Data Source: CPCB

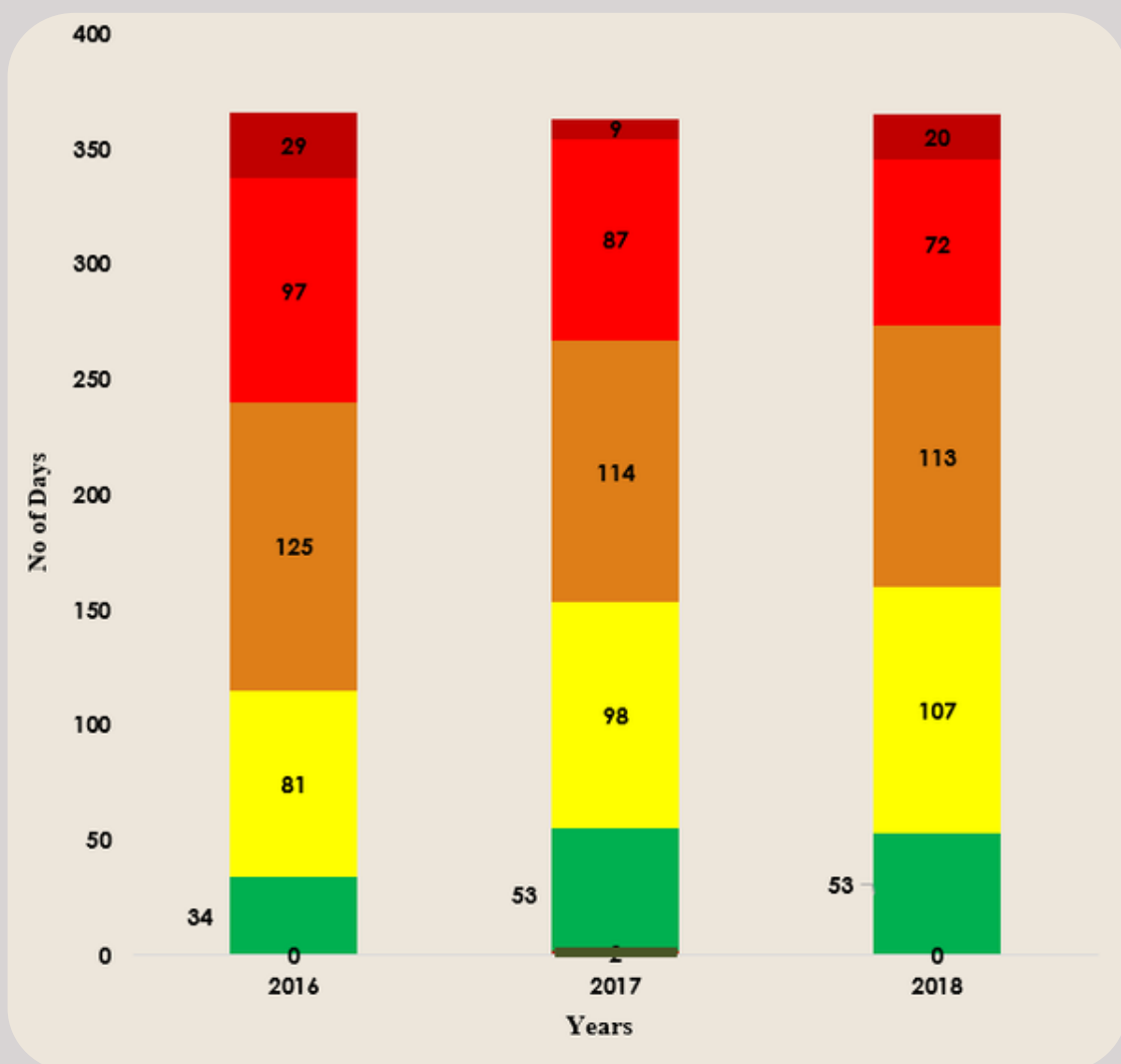
Delhi long term air quality trend



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



India can win the war against air pollution

Show political will, set up an all-powerful authority led by a credible figure, and embark on comprehensive reforms

Source: UNICEF

New Measures and Initiatives



Ships entering Indian waters subjected to environmental laws, says NGT

There is lack of effective monitoring of air pollution caused by ships entering Indian Maritime Zone, the National Green Tribunal has observed and said that vessels entering Indian waters are subjected to environmental law

Source: The Times of India



Supreme Court lifts construction ban in Delhi-NCR, allows it during day hours

In a major relief to the construction sector, the Supreme Court on Monday relaxed its ban in the national capital region and allowed such activities in the day time from 6am to 6pm.

Source: The Times of India

Health Impact

Air pollution killed over 1 lakh children in a year in India: WHO



A WHO report said air pollution is one of the leading threats to child health, accounting for almost one in 10 deaths in children under five years of age.

Source: *The Economic Times*



Air pollution linked to increased risk of depression, suicide: Study

People exposed to high levels of air pollution are more likely to a study that reviewed data from 16 countries.

Source: *The Times of India*

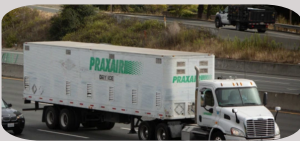
International Developments



Sydney air pollution sets off fire alarms, AQI goes past 'hazardous'

The number of people seeking treatment at Sydney hospitals increased by about 25%.

Source: *Business Standard*



California weighs controversial rule to tackle truck tailpipe pollution

The biggest contributors to pockets of unhealthy air across the state are the planes, trains, trucks and ships that move goods around, according to the California Air Resources Board.

Source: *Cal matters*

New Research (study) or Policy



25 Indian cities make it to list of 50 most polluted cities in the world.

From Delhi and Gurugram to Ahmedabad and Agra, 25 Indian cities make it to list of 50 most polluted cities in the world

Source: *Pune Mirror*



Low wind speed, dip in temperature affect Delhi's air quality

Low wind speed and the dipping temperature continued to

deteriorate Delhi's air quality on Friday, with the AQI slipping to the "severe" zone in the morning.

Source: The Hindustan Times

New Technology



EESL, Baghirathi Sustainability in MoU to deploy 250 EVs

Energy Efficiency Services Ltd (EESL) has signed a memorandum of understanding (MoU) with transportation firm Baghirathi Sustainability India Pvt Ltd to deploy around 250 electric vehicles.

Source: Economic Times



Yamaha checks out feasibility of eBikes in Indian market

Yamaha is conducting a feasibility study for an electric two-wheeler to be launched in the Indian market.

Source: Economic Times

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

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HEA

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