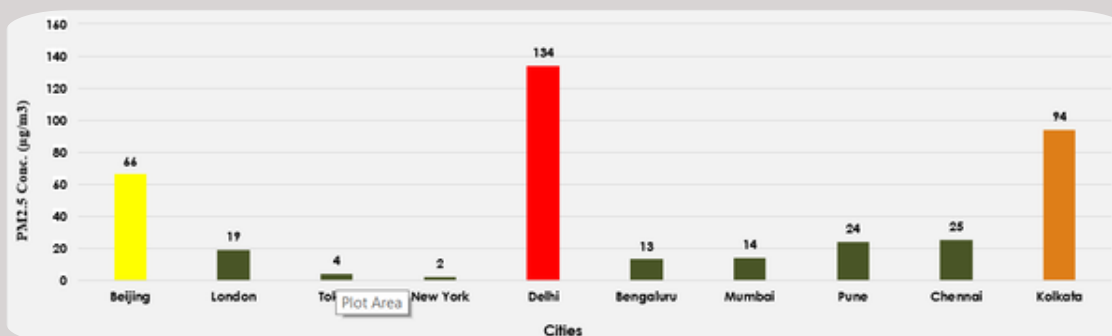


CERCA Weekly Newsletter



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

Air Quality in different cities »

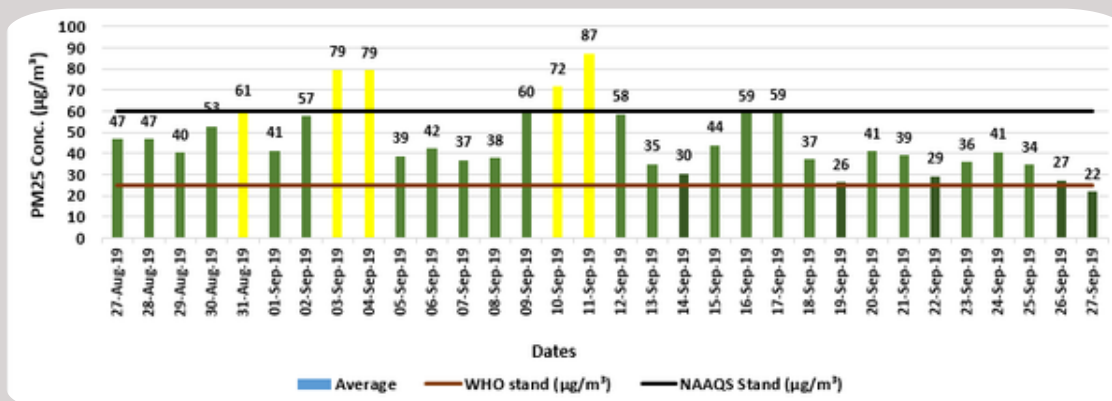


Delhi Air Quality is poorer than other cities in India and Globally.

October 24, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

Delhi air quality for last 30 days »

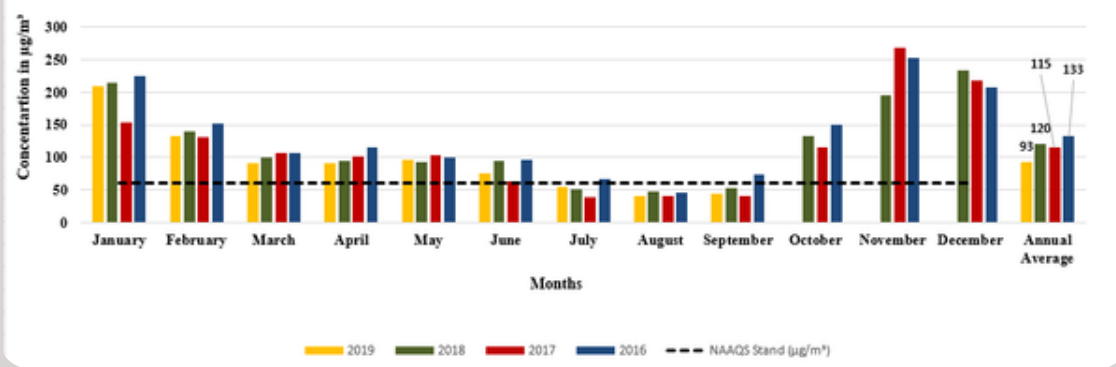


Delhi air quality has varied from 'Good' to 'moderate' for the last 30 days

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

Data Source: CPCB

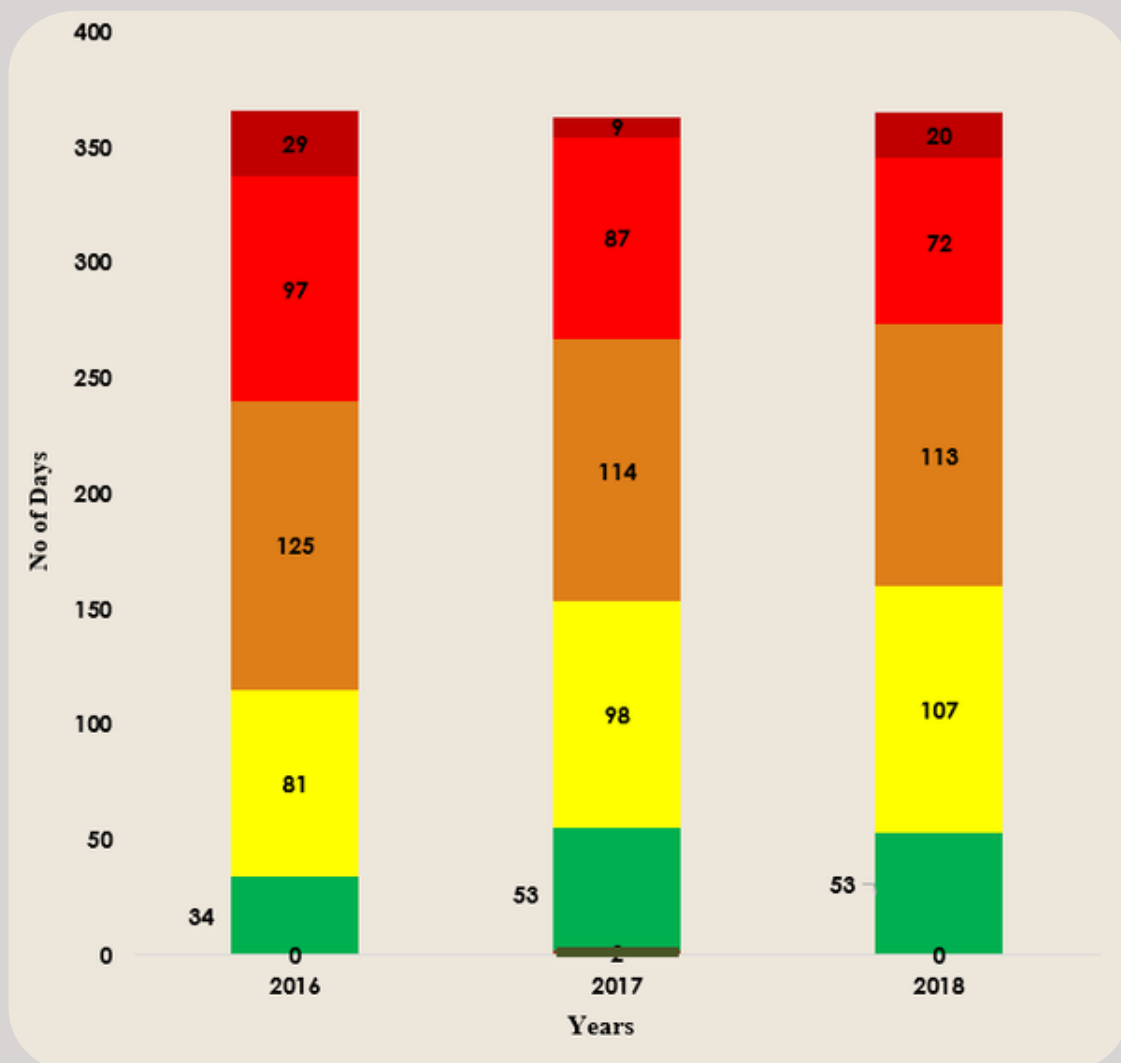
Delhi long term air quality trend »



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

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

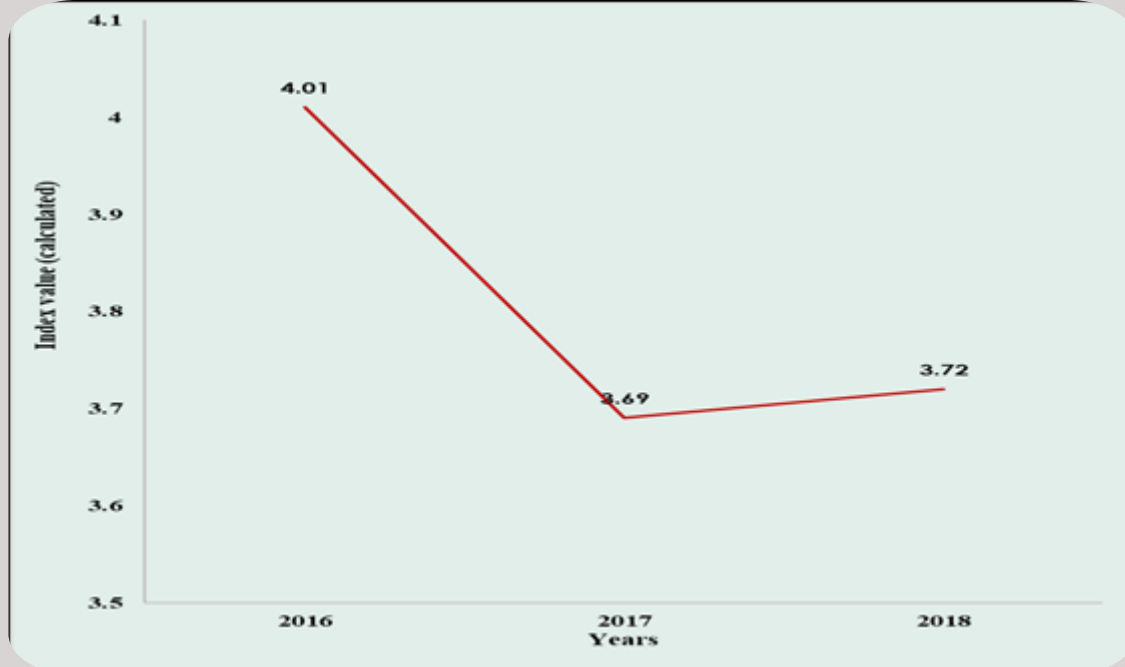
Delhi Air Quality »



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)

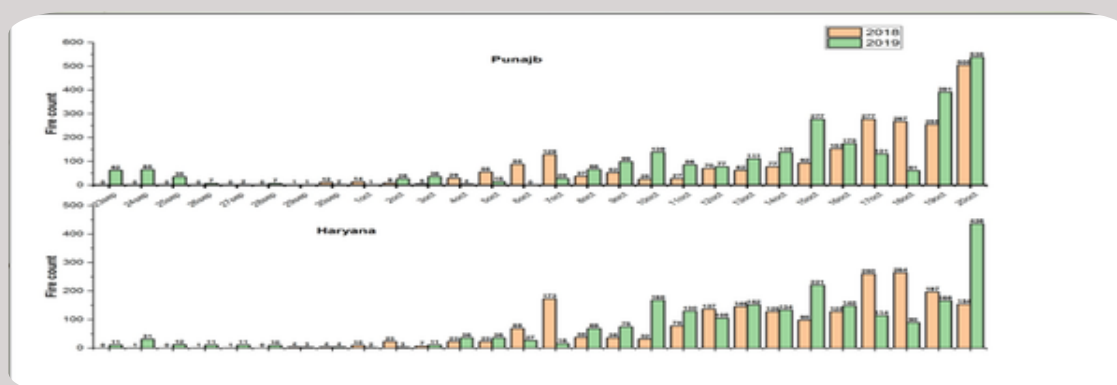
Delhi Air Quality Index »



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

Stubble Burning Fire Counts »



The graph shows the comparison of 2018 and 2019 fire counts for Haryana and Punjab. Stubble Burning has started little earlier this year but the count is so far less than last year.

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



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 »



Green Crackers: Technology Used to Curb Air Pollution this Diwali

Green crackers, capable of curbing air pollution by up to 30 percent, have been unveiled and are available in the market this Diwali 2019.

Source: *DQ India*

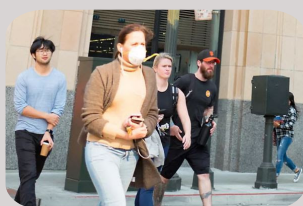


Advanced air pollution warning system to predict stubble burning areas near Delhi

The system, which tracks crop burning using satellite data, can also forecast air pollution levels for next 72 hours.

Source: *Down to Earth*

Health Impact »



US air pollution deaths increased by 9,700 a year from 2016 to 2018

Air pollution was responsible for 9,700 more deaths in 2018 than it was in 2016, according to a new paper by economists at Carnegie Mellon.

Source: *VOX*



Air Pollution May Affect Every Organ, Cell in the Body

The World Health Organization warns that “91% percent of the world’s population lives in places where air quality exceeds WHO guideline limits.”

Source: *Learningenglish.voanews*



Business and political leaders demand action on air pollution at London summit

A group of business and political leaders are urging the UK government to step up action to tackle air pollution with the release of a joint declaration at yesterday's International Clean Air Summit in London.

Source: Business Green



Ukrainian capital records highest level of air pollution

The Ukrainian capital city is suffering from severe air pollution with its Air Quality Index (AQI) reaching the highest level of 180 points on Wednesday.

Source: Xinhuanet

New Research (study) or Policy »



Ensure ground-level actions to control air polluting sources: CPCB to agencies

The Central Pollution Control Board has asked agencies to ensure effective ground-level action against sources that cause air pollution, especially road dust, open dumping, burning of waste, construction among others.

Source: Daily Pioneer



At 276 AQI, Kashi most polluted city in country

According to the data released by the Central Pollution Board, Varanasi was the most polluted city with AQI 276, followed by lucknow 269 and Moradabad 256.

Source: Times of India

New Technology »



Automotive battery-maker Exide forays into manufacture of e-rickshaws

According to sources, about 2 billion e-rickshaws ply in the country, manufactured primarily by players in the unorganised

sector. This segment is seeing an annual growth of about 10% with addition of 100,000-150,000 new vehicles every year.

Source:Economic Times



Electric vehicles' lithium-battery policy to incentivise recycling entities

India is in the process of framing a recycling policy for lithium-ion batteries being used in electric vehicles and offer tax sops to recycling entities while imposing a liability on producers to collect used batteries that achieve end of life under the extended producer responsibility (EPR) norms.

Source:Economic Times

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

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