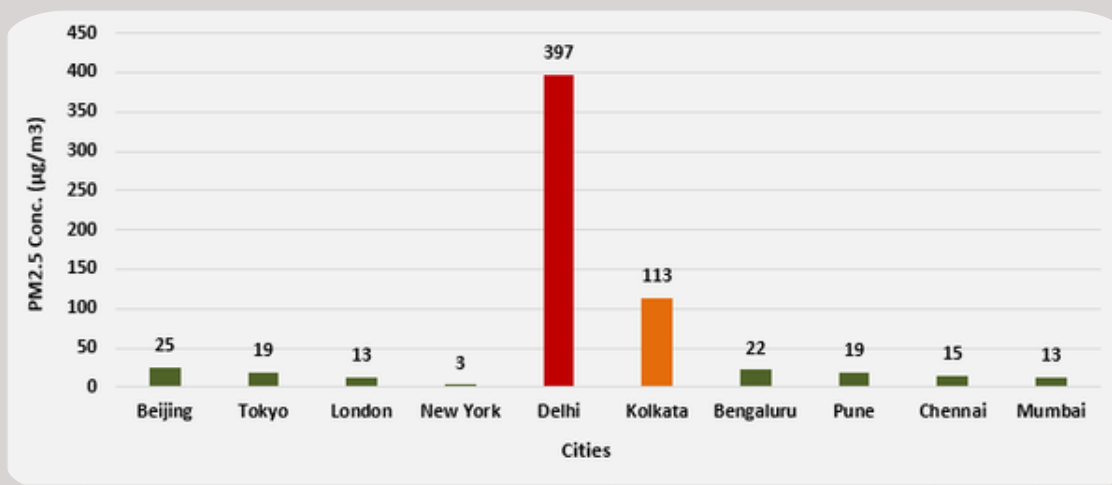


CERCA Weekly Newsletter



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

Air Quality in different cities »

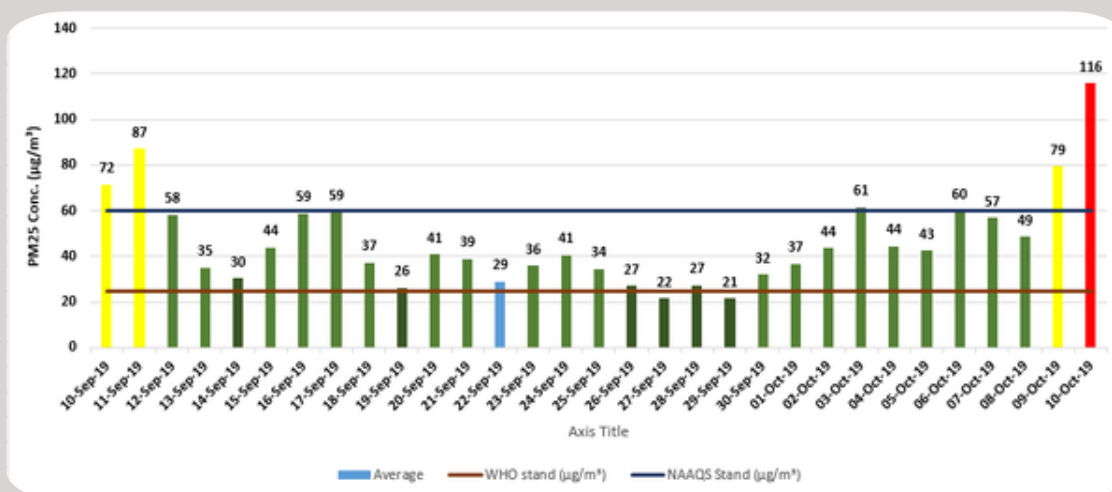


Delhi Air Quality is in 'severe' category than other cities in India and Globally.

October 31, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

Delhi air quality for last 30 days »

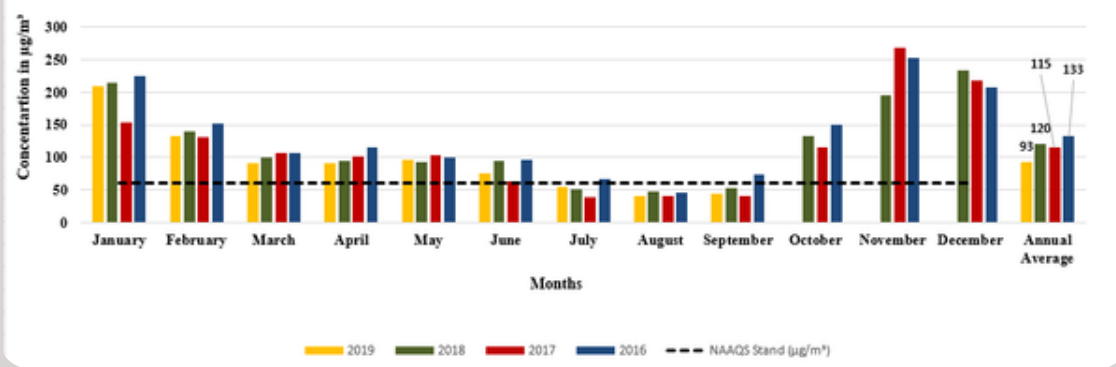


Delhi air quality has varied from 'Good' to 'very poor' for the last 30 days

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)

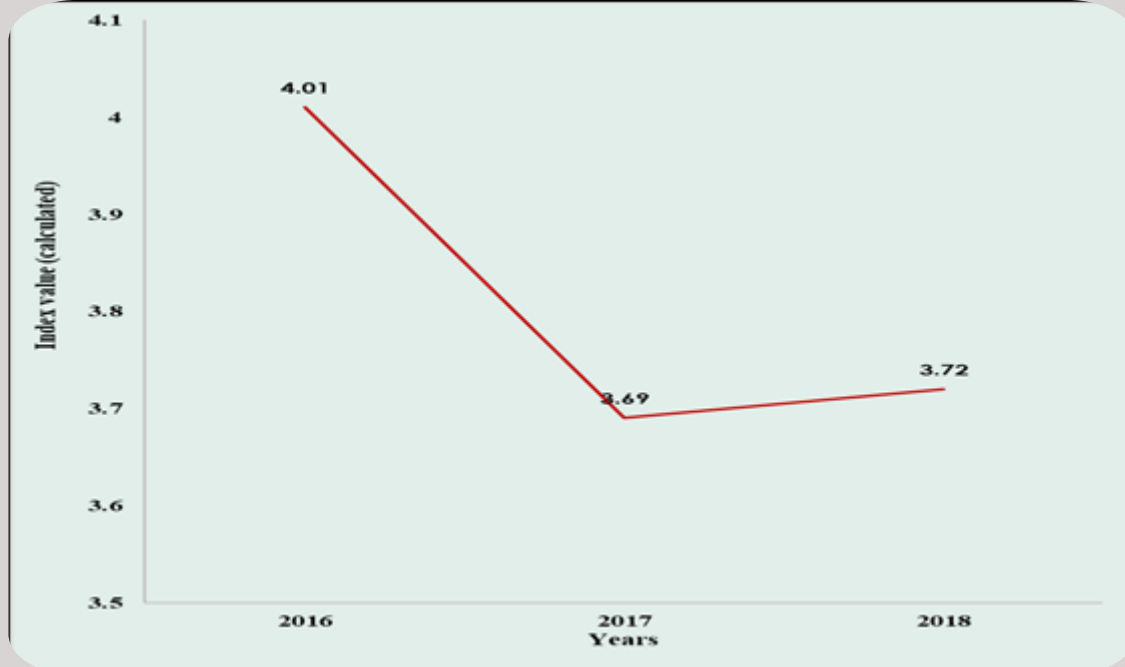
Delhi Air Quality »



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)

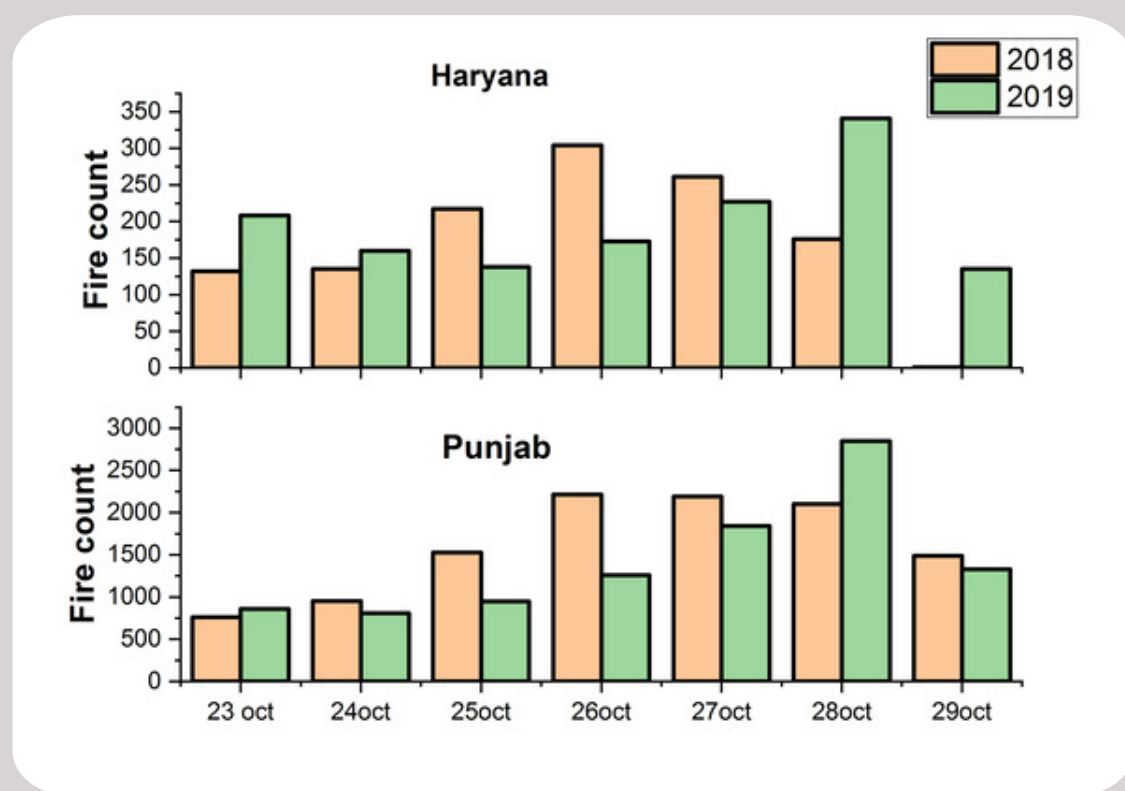
Delhi Air Quality Index »



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

Thought Leadership »



Emissions tests work. That's cause to continue them here, not roll them back.

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 »



UP green watchdog shuts plywood units in Lucknow

With air pollution levels in major Uttar Pradesh cities rising to critical levels around Diwali, the state green watchdog has shut nearly a dozen plywood factories in Lucknow while serving notices on almost 100 companies.

Source: *Business Standard*



Ban Imposed on Night-time Construction to Combat Pollution in Delhi-NCR Extended Till Saturday

The window of the ban, which starts from 6 pm, has also been increased to 10 am from the earlier 6 am, the Supreme Court-mandated body said on Thursday.

Source: *News 18*

Health Impact »

Air pollution cuts lifespan by 7 yrs along



Ganga

Life expectancy of people living in the Indo-Gangetic Plain has reduced by up to seven years due to poor air quality, a new study of the region from 1998-2016 has said and underlined that pollution is nearly three-times deadlier in north India as compared to rest of the country.

Source: *The Pioneer*

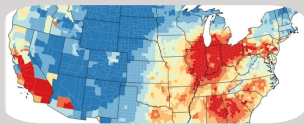


Air Pollution May Affect Every Organ, Cell in the Body

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*

International Developments »



US Air Quality Got Worse After Years of Improvement, And It's Killing More People

Air pollution worsened in the United States in 2017 and 2018, new data shows, a reversal after years of sustained improvement with significant implications for public health.

Source: *Science Alert*



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 »



Air pollution in Delhi was 16 times worse than prescribed limit on Diwali night

With people celebrating Diwali with crackers and fireworks on Sunday night, toxic fumes once again enveloped the Capital. Add to it continuous stubble burning in the neighboring states of Punjab, Haryana and Uttar Pradesh over the last few days.

Source: *India Today*



Delhi's air quality dips to emergency level first time since January

Delhi's pollution levels have increased overnight by around 50 points, taking the overall air quality index to 459. With this, the AQI has entered the "severe plus" or "emergency" category..

Source: India Today

New Technology »



New Technology can solve most of India's electric car problems

Scientists in the US have claimed a technological breakthrough that could resolve one of the key concerns surrounding all-electric vehicles.

Source: Live Mint



Electric vehicles' lithium-battery policy to incentive's 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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