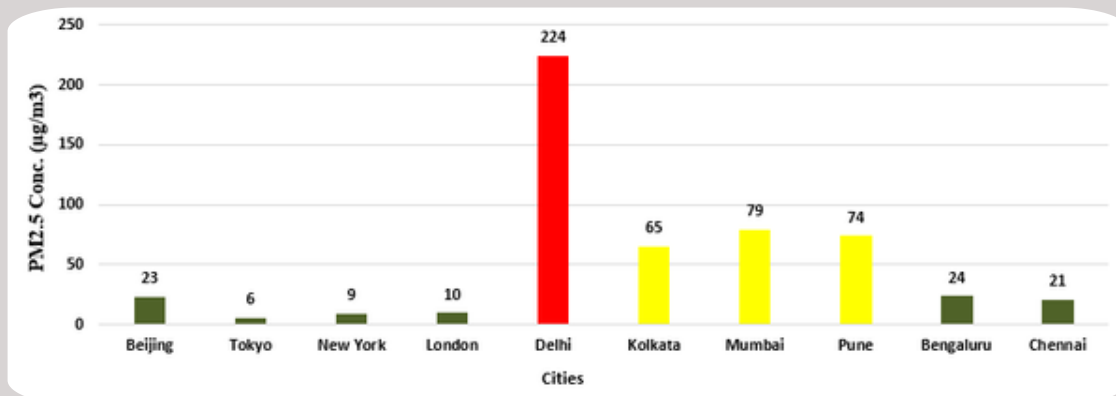


CERCA Weekly Newsletter



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

Air Quality in different cities

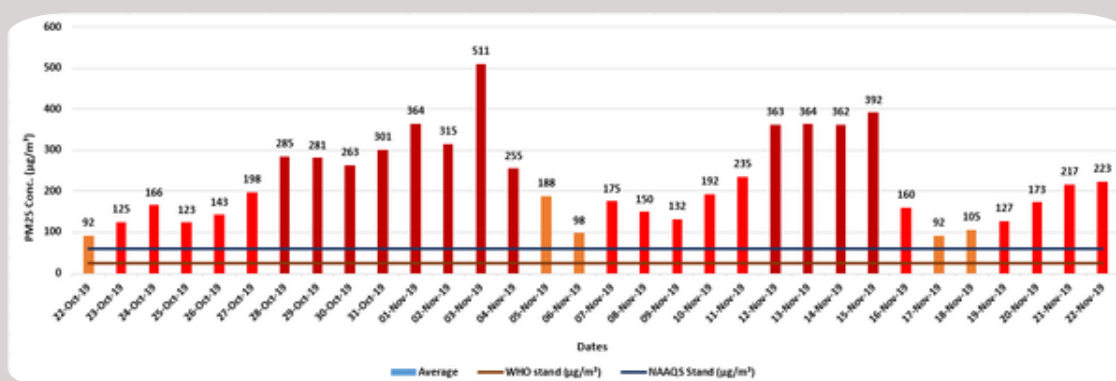


Delhi Air Quality is in 'very poor' category in comparison to other cities in India and Globally.

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

Data Source: Berkeley Earth

Delhi air quality for last 30 days

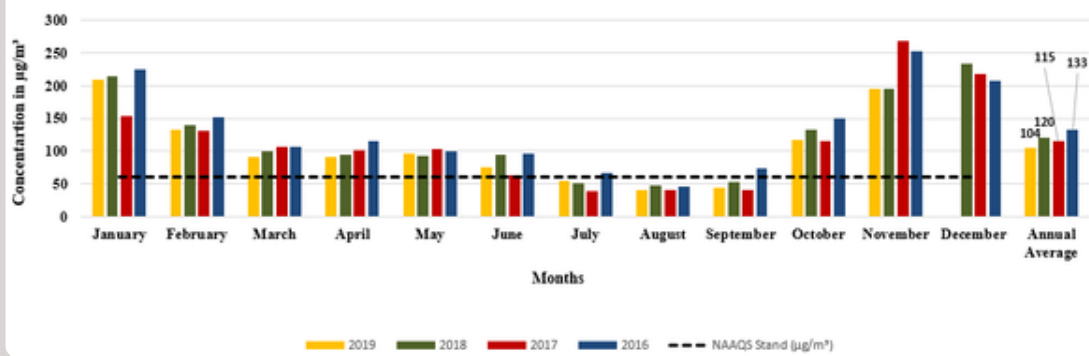


During the last 30 days, Delhi Air quality has moved from "Moderate" to "emergency condition" by the end of October'2019.

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

Data Source: CPCB

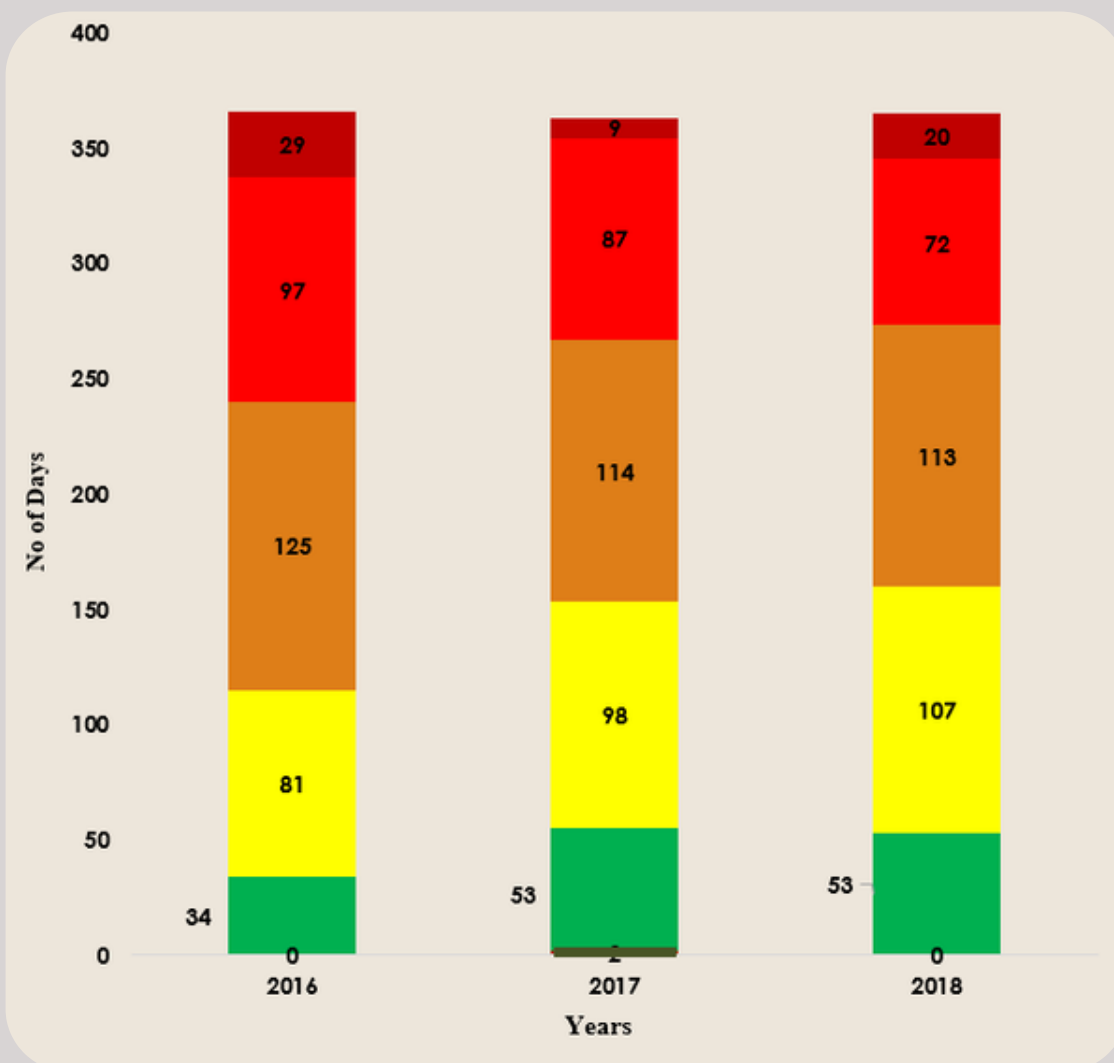
Delhi long term air quality trend



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



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



Air pollution: Closure notices to 55 brick kilns in Muzaffarpur, gaya

The Bihar State Pollution Control Board (BSPCB) on Wednesday issued a closure direction to 46 brick kilns in Muzaffarpur and nine in Gaya in order to curb air pollution.

Source: The Times of India



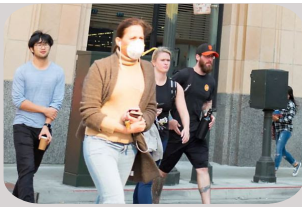
Supreme Court lifts construction ban in Delhi-NCR, allows it during day hours

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: Environmental organisations urge PM to declare national health emergency



As pollution levels in the entire north India rose alarmingly over the last two days, environmental organisations on Thursday requested Prime Minister Narendra Modi and all state governments to declare a national health emergency.

Source: *The Economic Times*



Javadekar says no link between air pollution and health, dumps ICMR study

Earlier in the day, while responding to a query in the Lok Sabha, Javadekar said no Indian study has shown any correlation between pollution and shortening of lifespan.

Source: *The Economic Times*

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: *Calmatters*

New Research (study) or Policy



Air quality in Delhi slips into severe category

The air quality in the national capital on Wednesday entered the severe category after remaining in the very poor level for the past seven days.

Source: *The Hindu*



PUC certificates dont cover major pollutants

The pollution under control (PUC) certificates issued in India to

ensure reduction in vehicular emissions has no checks for harmful and key vehicular pollutants.

Source: The Hindustan Times

New Technology



BSES Delhi discoms, Ola Electric to set up battery swap stations

BSES Discoms has signed MoU with Ola Electric for setting-up battery swapping and charging stations for electric vehicles.

Source:Economic Times



EESL falls way short of ambitious target to electrify government's car fleets

State-owned Energy Efficiency Services Limited (EESL) move to electrify government employees car fleet has fallen short of its ambitions with the company set to close its tender for 10,000 electric cars at the end of March 2020 with an expected procurement of only 3,000 such vehicles.

Source:Economic Times

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

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