

CERCA Weekly Newsletter

June 07, 2019

Centre of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi



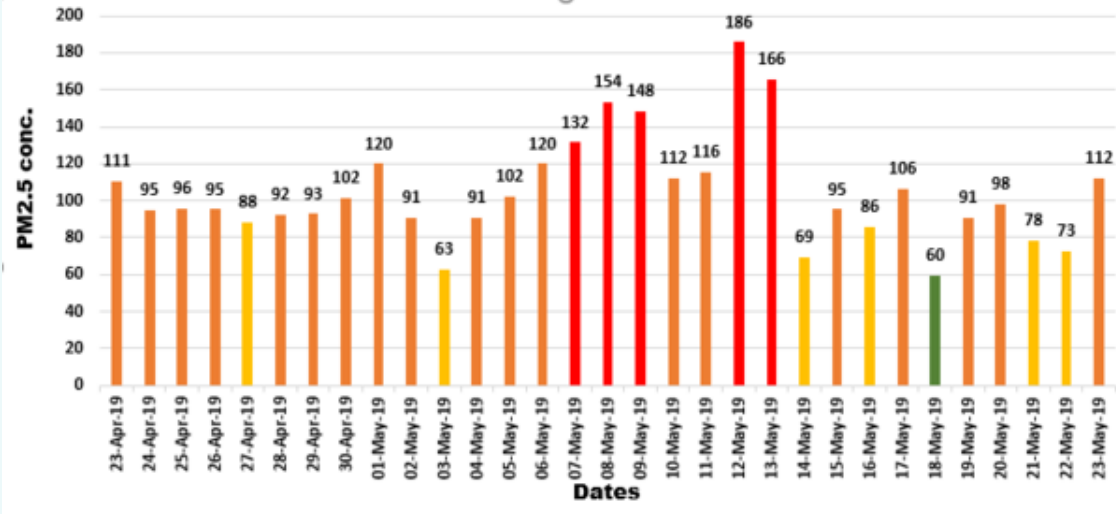
Air Quality in different cities



June 07, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

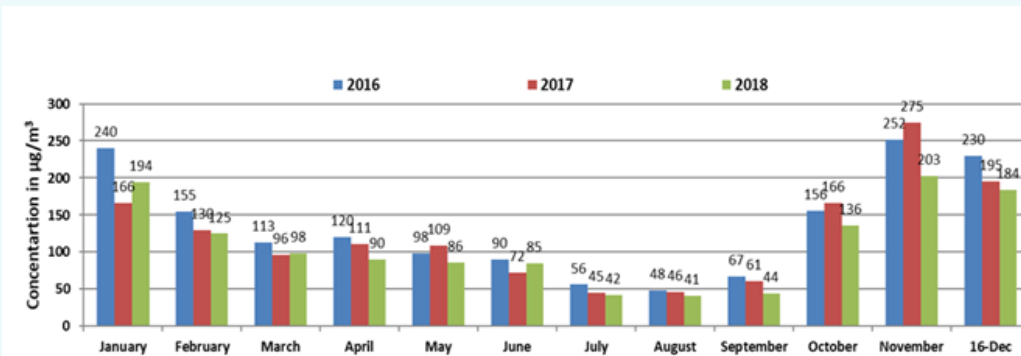
Delhi air quality for last 30 days



Average PM2.5 Air Quality for 10 stations in Delhi. Delhi has seen better air quality days.

Data Source: CPCB

Delhi long term air quality trend



About 18 % decrease in PM2.5 levels in October, about 26 % in November and about 6 % in December 2018 in comparison to corresponding months in 2017 have been observed.

Air quality health impacts

Air quality	AQI Category (range)	PM2.5 24-hr (range)	Likely Health Impacts
Good	0-50	0-30	Minimal Impact
Satisfactory	51-100	31-60	May cause minor breathing discomfort to sensitive people
Moderately polluted	101-200	61-90	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	91-120	May cause breathing discomfort to people on prolonged exposure and discomfort to people with heart disease with short exposure
Very Poor	301-400	121-250	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	250+	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

Giving air pollution a face

<https://www.livemint.com/mint-lounge/features/giving-air-pollution-a-face-1559876731656.html>

Source: *Livemint*

New Measures and Initiatives

Gujarat launches pilot of unique emission trading scheme

Gujarat sets a cap on emissions and allows industries to buy and sell permits to stay below the cap.

<https://www.financialexpress.com/economy/gujarat-launches-pilot-of-unique-emission-trading-scheme/1599205/>

Source: *Financial Express*

Measures to check air pollution sought

Deputy Chairman P.L. Harnadh has promised that immediate measures will be initiated to check pollution caused by cargo handling.

<https://www.thehindu.com/news/cities/Visakhapatnam/measures-to-check-air-pollution-sought/article27585140.ece>

Source: *The Hindu*

Health Impact

Air pollution is responsible for up to one in five premature deaths

Air pollution is directly responsible for up to one in five premature deaths in 19 Western Balkan cities, suggest preliminary results from a report led by UN Environment.

<https://www.unenvironment.org/news-and-stories/press-release/air-pollution-responsible-one-five-premature-deaths-19-western>

Source: *Unenvironment*

Mother and Daughter Sue France for Damages Over Bad Health Caused by Air Pollution

The duo are demanding argue French authorities did not take effective measures against atmospheric pollution.

<https://www.news18.com/news/buzz/mother-and-daughter-sue-france-for-damages-over-bad-health-caused-by-air-pollution-2164079.html>

Source: *News18*

International Developments

84 Environmental Rules on the Way out Under Trump

President Trump has made eliminating federal regulations a priority.

<https://www.nytimes.com/interactive/2019/climate/trump-environment-rollbacks.html?rref=collection%2Ftimestopic%2FAir%20Pollution>

Source: *NY Times*

Take action on air pollution to save lives, and the planet, urges UN chief

In a message to mark World Environment Day, celebrated on Wednesday, UN Secretary-General António Guterres has emphasized the link between worsening levels of air pollution and the climate crisis.

<https://news.un.org/en/story/2019/06/1039831>

Source: *UN News*

New Research (study) or Policy

Greater Noida is as polluted, dusty as Noida

WA comparative analysis of data collected over two days June 3 and 4 from newly-installed ambient air quality monitoring machines shows that Greater Noida is not only as polluted as Noida, but, at certain spots, dustier too.

<https://timesofindia.indiatimes.com/city/noida/greater-noida-is-as-polluted-dusty-as-noida/articleshow/69657022.cms>

Source: *Times of India*

Air pollution wreaking havoc in Northeast states: Study

World Environment Day, has brought to focus how it is slowly turning into a major health problem in the Northeast where deaths due to acute respiratory infection (ARI) are on the rise.

Source: *Times of India*

New Technology

All new cars sold for commercial use to be electric from 2026

DIndia plans to order taxi aggregators like Uber and Ola to convert 40% of their fleet of cars to electric by April 2026.

<https://economictimes.indiatimes.com/industry/auto/auto-news/all-new-cars-sold-for-commercial-use-to-be-electric-from-2026/articleshow/69676842.cms>

Source: *Economic Times*

Mahindra invest Rs 1000 crore in developing BS-VI technology

Mahindra will be upgrading eight diesel and four petrol engines spread across over 50 products over the next 12 months.

<https://economictimes.indiatimes.com/industry/auto/auto-news/mahindra-invest-rs-1000-crore-in-developing-bs-vi-technology/articleshow/69636369.cms>

Source: *Economic Times*

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

CONTACT US

Coordinator

Prof. Mukesh Khare
Indian Institute of Technology Delhi

Email: cerca@iitd.ac.in

Co-Coordinator

Dr. Nomesh Bolia
Indian Institute of Technology Delhi

Phone: +91 (11) 2659 7361

Copyright © 2019 CERCA, IIT Delhi