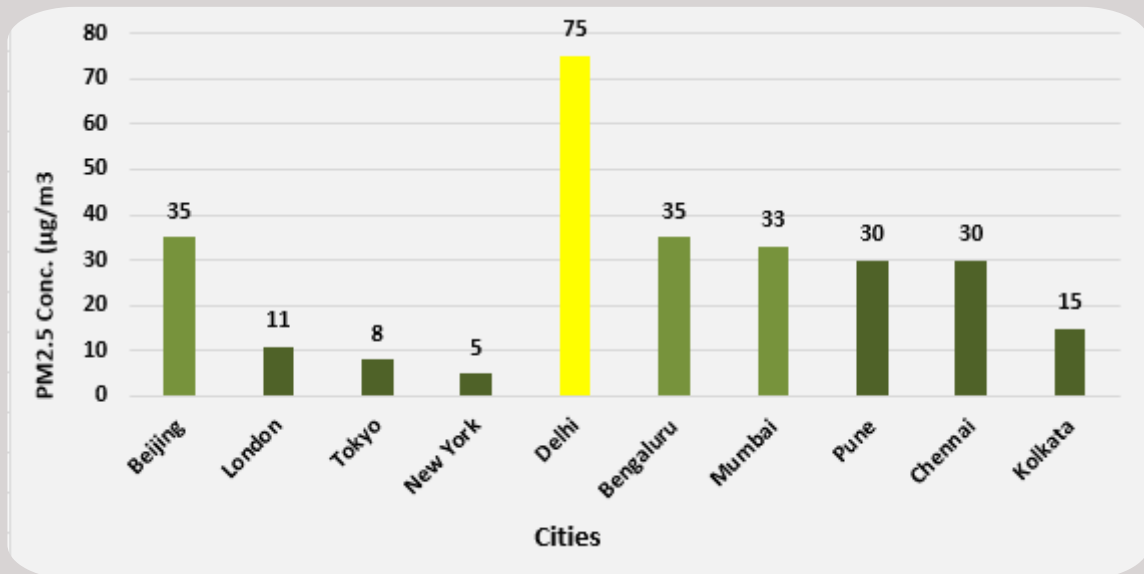


CERCA Weekly Newsletter



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

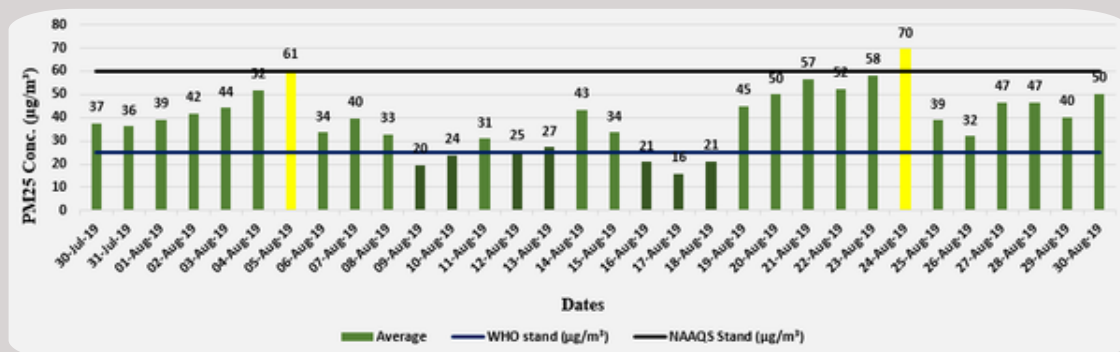
Air Quality in different cities »



September 19, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

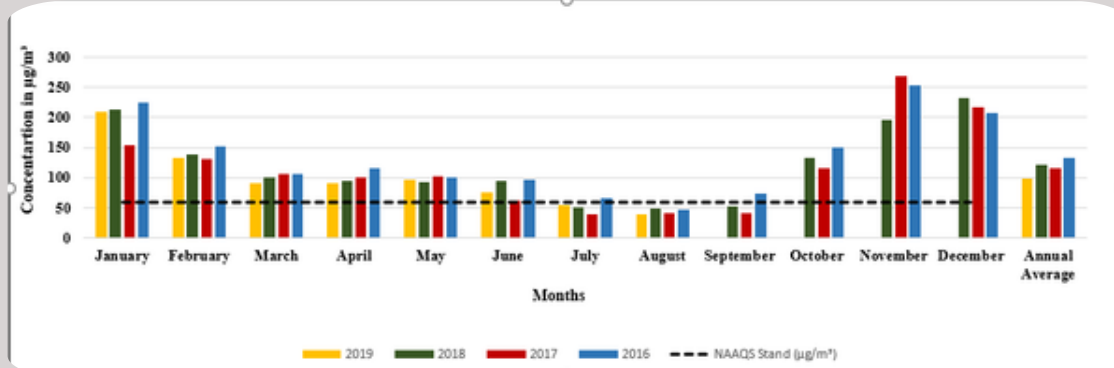
Delhi air quality for last 30 days »



Average PM2.5 Air Quality for 10 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)

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

About

Data Source: CPCB

Thought Leadership »



How to Reduce Exposure to 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 »

NGT dismisses plea against implementation of odd-even scheme in Delhi



Source: *The Hindu*

The National Green Tribunal on Wednesday refused to entertain a plea challenging the decision of the government to implement odd-even road rationing scheme in the national capital from November 4-15.



World's first emissions trading project to tackle industrial air pollution kicks off in Surat

The emissions trading programme allows the government to put a cap on emissions and industries to buy and sell credits to maintain emissions below the cap.

Source: *Mirror Now*

Health Impact »



Soot pollution particles 'cross the placenta' Study

Air pollution particles have been found on the foetal side of placentas, indicating that unborn babies are directly exposed to the black carbon produced by motor traffic and fuel burning.

Source: *The Gaurdian*



Air pollution linked to bipolar disorder, depression

The World Health Organization links it to deadly diseases like lung cancer and stroke, and new research suggests that polluted regions see more cases of neurological disorders like depression and bipolar disorder.

Source: *National Geographic*

International Developments »



Indonesian haze closes schools, sparks fears for Singapore F1'

Toxic haze from Indonesian forest fires closed thousands of schools across the country and in neighbouring Malaysia Wednesday, while air quality worsened in Singapore just days before the city's Formula One motor race.

Source: *The Hindu*



Morocco Among Top 25 Countries Worldwide Causing Air Pollution

Morocco, along with five other countries from the Middle East and North Africa (MENA) region, are in the top 25 countries emitting Sulfur Dioxide (SO₂), one of the most air polluting and harmful gases.

Source:Morocco World News

New Research (study) or Policy »



Delhi needs to cut pollution level by 65% to meet air quality standard

According to CPCB data, the three-year average of PM 2.5 (particulate matters with less than 2.5 microns width) levels during 2016-2018 was 25% lower than the 2011-2014 baseline.

Source:Live Mint



Kottayam among 5 highly air-polluted districts

A latest study commissioned by Mahatma Gandhi University, Kottayam, has shown that the presence of dust particles causing air pollution is the highest in Kottayam, Ernakulam, Kannur, Wayanad and Palakkad districts.

Source:Mongabay

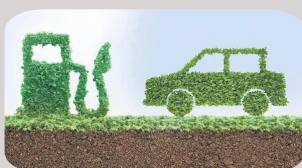
New Technology »



Delhi EV policy awaits notification as odd-even returns

The odd-even scheme for private vehicles is being implemented from November 4 to 15 as the Kejriwal government believes vehicles are the major pollutants.

Source:Economic Times



Ashok Leyland gets BSVI certification for heavy duty truck range

Its entire range of heavy duty trucks has been upgraded to meet BS-VI emission norms, which come into force from April 1, 2020. The company has become the first Indian original

equipment manufacturer (OEM) to meet BS-VI emission norms across its full range of heavy duty truck.

Source: *Economic Times*

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

CONTACT US

HEMANT KAUSHAL

Project Coordinator, CERCA

Email: cerca@iitd.ac.in

Phone (Office): +91 (11) 2659 7361 (Mobile): +91 9650992399

Address: MS 207/ C 20, Indian Institute of Technology (IIT) Delhi, Hauz Khas, New Delhi 110016, INDIA

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