

CERCA Weekly Newsletter

April 12, 2019

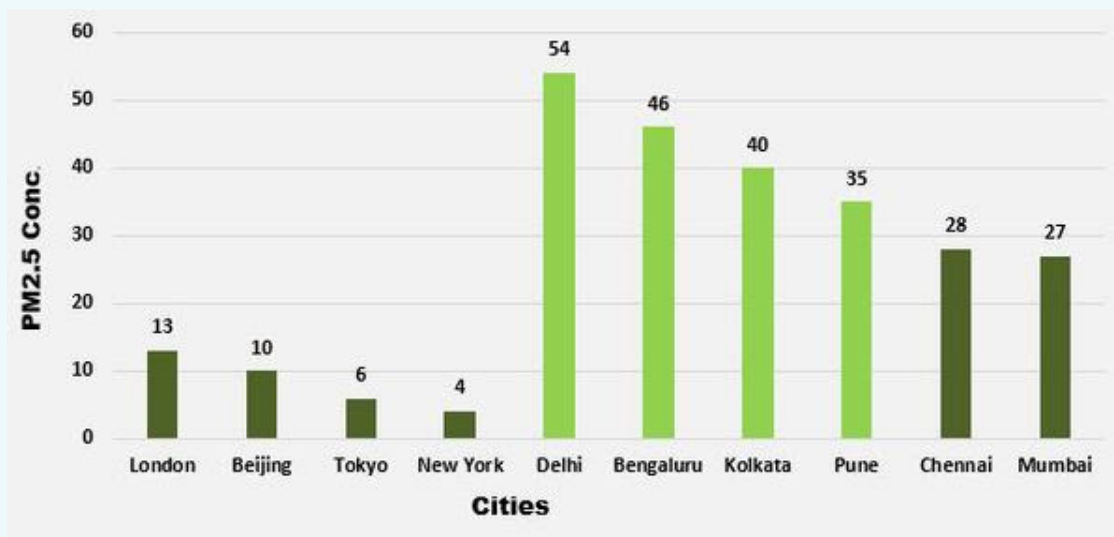
Center of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi

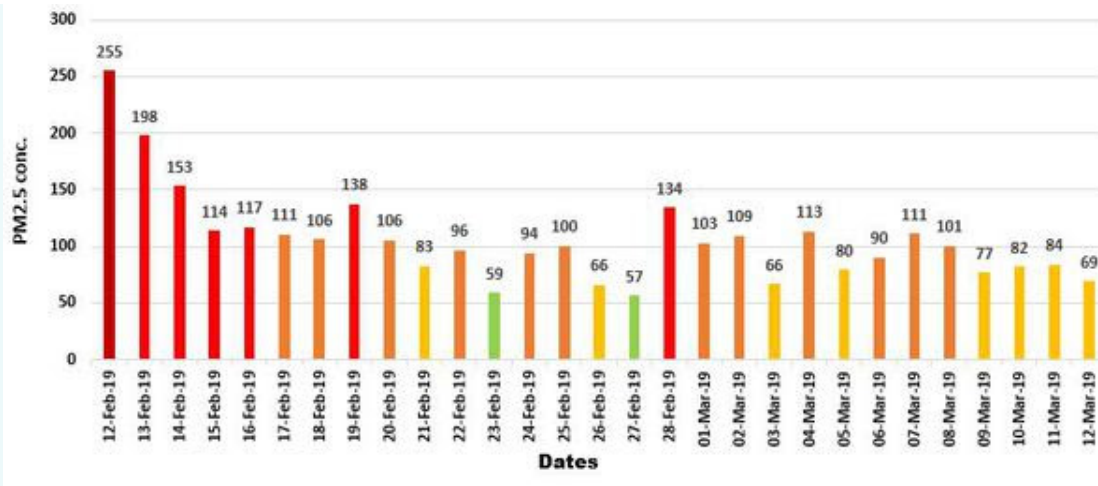


Air Quality in different cities



March 22, 2019, 11:00-12:00 IST (Hourly Average)
Data Source: Berkeley Earth

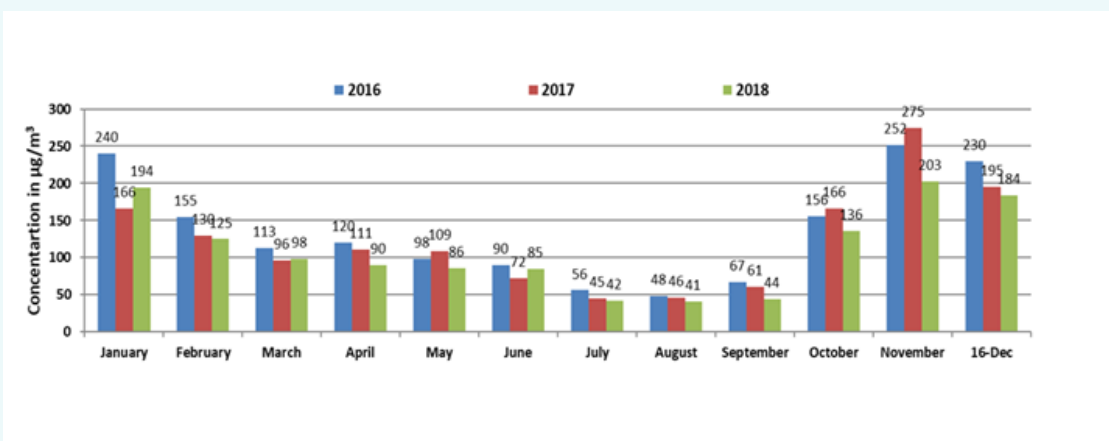
Delhi air quality for last 30 days



Average PM2.5 Air Quality for 10 stations in Delhi. Delhi has seen few 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

Homelessness needs a Bay Area-wide answer, not just city-by-city solution

<https://www.sfchronicle.com/opinion/editorials/article/Editorial-Homelessness-needs-a-Bay-Area-wide-13757850.php>

Source: San Francisco Chronicle

New Measures and Initiatives

Centre, states did little to improve air quality in 14 most polluted cities

Election manifestos released recently by the BJP, Congress and CPI(M) seem to show some responsibility towards the declining environmental standards of the country.

<http://citizenmatters.in/report-card-centre-states-did-little-to-improve-air-quality-in-14-most-polluted-cities-11130>

Source: Citizen Matters

Delhi Govt. imposes ₹25 crore fine on Civic bodies for failing to curb air pollution

The principal secretary of the Delhi government's urban development department asked the north and south municipal corporations to pay the fine.

<https://www.hindustantimes.com/delhi-news/government-tells-delhi-civic-body-to-pay-rs-25-crore-air-pollution-penalty/story-yztHVvWePwpJD6jVu5vuPJ.html>

Source: Hindustan Times

Health Impact

1.2 million Indians died of air pollution in one year, says study

Nearly 1.2 million people in India have lost their lives to air pollution in 2017, according to a new global study released on 3 April. Air pollution is the 5th highest cause of death among all health risks, ranking just below smoking.

https://www.business-standard.com/article/current-affairs/air-pollution-kills-1-2-mn-indians-in-a-year-third-biggest-cause-of-death-119040300300_1.html

Source: *Business Standard*

Millions of children worldwide develop asthma annually due to traffic-related pollution

About 4 million children worldwide develop asthma each year because of inhaling nitrogen dioxide air pollution, according to a new study.

<https://www.indiablooms.com/health-details/H/4512/traffic-related-air-pollution-associated-with-4-million-new-cases-of-childhood-asthma-every-year-study.html>

Source: *Indiablooms*

International Developments

Londoners support charging 'dirty' drivers, says air pollution study

Survey reveals backing for emissions charging to tackle air pollution and congestion.

<https://www.theguardian.com/environment/2019/apr/08/londoners-back-charging-dirty-drivers-says-air-pollution-study-ulez>

Source: *The Guardian*

Thailand Prepares Masks for ASEAN Summit Due To Air Pollution

The air quality index in Chiang Rai, where Thailand will host the Association of Southeast Asian Nations' (ASEAN) Finance Ministers and Central Bank Governors' meeting this week, reached levels considered unhealthy.

<https://www.ndtv.com/world-news/thailand-prepares-masks-for-asean-summit-due-to-air-pollution-2016961>

Source: *NDTV*

New Research (study) or Policy

Air pollution from corn production might contribute to thousands of deaths each year

A new study published this week in *Nature* found that America's corn belt could contribute to thousands of air pollution deaths a year.

<https://grist.org/article/deadly-air-pollution-has-a-surprising-culprit-growing-corn/>

Source: *Grist*

Raipur's air dangerously polluted

Levels of iron, zinc, lead, nickel and manganese were found several times higher at Raipur demonstrating that the city suffers an overall poor air quality.

<https://www.deccanherald.com/national/toxins-in-the-air-raipurs-air-dangerously-polluted-727003.html>

Source: *Deccanherald*

New Technology

Govt. may blacklist Tata Motors for delaying E-bus deliveries

Tata Motors in March 2018, had won a contract for supplying 40 electric buses each to the cities of Guwahati, Kolkata, Jaipur, Jammu & Kashmir, and Lucknow, the deadline of which according to the report has been missed.

<https://economictimes.indiatimes.com/industry/auto/auto-news/government-may-blacklist-tata-motors-for-delaying-delivery-of-e-buses/articleshow/68714524.cms>

Source: *Economic Times*

Electric Vehicles body seeks to delink localization from subsidy incentives

The SMEV on Tuesday urged the PISC to delink localization and ex-showroom prices of e-bikes from subsidy under the FAME-II scheme.

<https://economictimes.indiatimes.com/industry/auto/auto-news/electric-vehicles-body-seeks-to-delink-localisation-from-subsidy-incentives/articleshow/68793019.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. Nimesh Bolia
Indian Institute of Technology Delhi

Phone: +91 (11) 2659 1707

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