

CERCA Weekly Newsletter

July 19, 2019

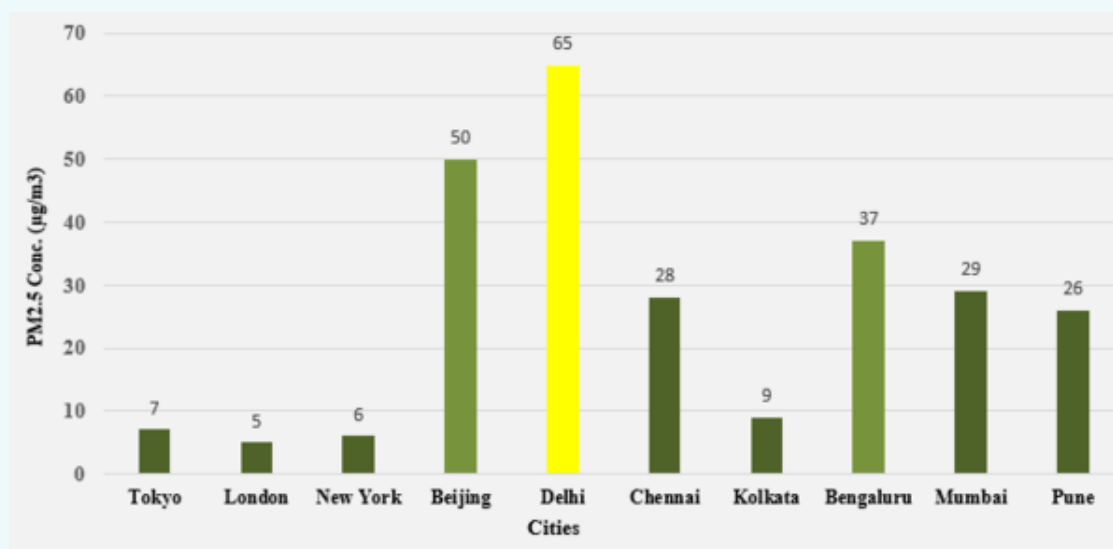
Centre of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi



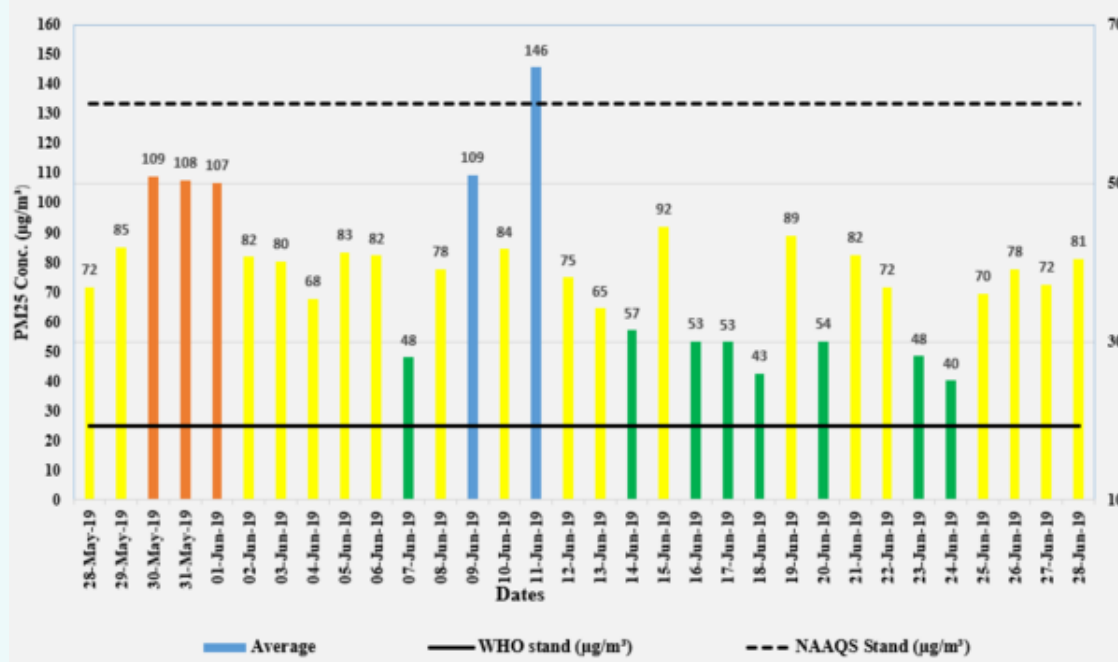
Air Quality in different cities



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

Data Source: Berkeley Earth

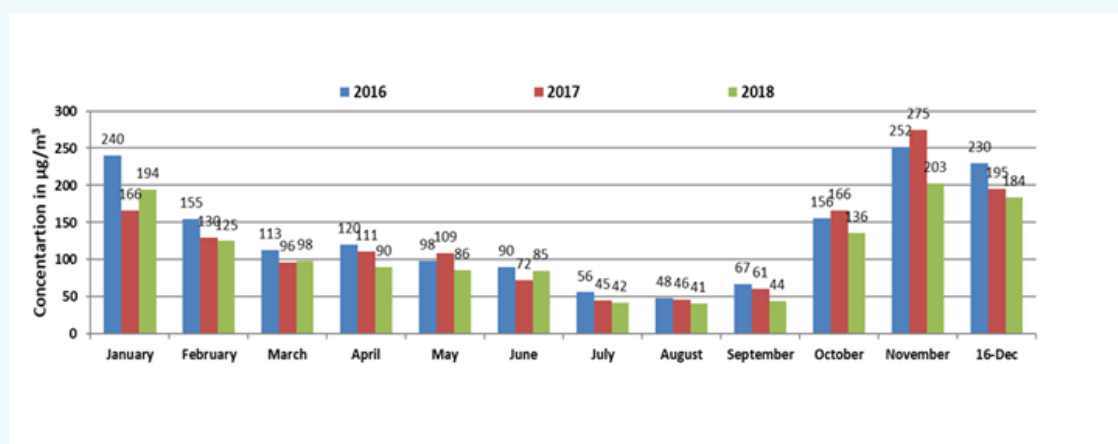
Delhi air quality for last 30 days



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

Pollution blame game

<https://mg.co.za/article/2019-06-28-00-editorial-pollution-blame-game>

Source: Mail & Guardian

New Measures and Initiatives

CERCA-IIT Delhi working on solutions to curb growing air pollution

The Indian Institute of Technology (IIT) Delhi is developing a slew of solutions at its Centre of Excellence for Research on Clean Air (CERCA) to track and help reduce air pollution in India.

<https://economictimes.indiatimes.com/news/politics-and-nation/iit-delhi-working-on-solutions-to-curb-growing-air-pollution/articleshow/70235271.cms>

Source: Economics Times

NGT Seeks Joint Committee Report on Air Pollution Caused By Carpet Industries

NGT recently asked a report from Joint task force committee comprising of officials from Central and State Pollution Control Board regarding Air Pollution caused by carpet industries in Haryana.

<https://www.livelaw.in/environment/ngt-joint-committee-report-air-pollution-carpet-industries-146461>

Source: Live law

Health Impact

Air pollution may raise atherosclerosis, heart disease death risk

Studies have linked air pollution with the risk of developing a range of conditions, from neurological disorders such as Parkinson's disease and Alzheimer's to diabetes and atherosclerosis.

<https://www.medicalnewstoday.com/articles/325758.php>

Source: *Medical News Today*

Air pollution in Birmingham 'shortens lives of children by half a year

Primary school children who grow up in Birmingham could lose half a year of their lives due to illegal levels of air pollution in the city, a new report warns.

<https://www.theguardian.com/environment/2019/jul/08/air-pollution-in-birmingham-shortens-lives-of-children-by-half-a-year>

Source: *The Guardian*

International Developments

Action on air pollution works but far more is needed, study shows

UK's dirty air still 'a public health emergency' despite dramatic fall in death rates.

<https://www.theguardian.com/environment/2019/jun/26/action-on-air-pollution-works-but-far-more-is-needed-study-shows>

Source: *The Guardian*

By cutting ozone pollution now, China could save 330,000 lives by 2050

If China takes strong measures to reduce its ozone pollution now, it could save hundreds of thousands of lives in the long run, according to a new study.

<https://www.sciencedaily.com/releases/2019/07/190716151358.htm>

Source: *Science Daily*

New Research (study) or Policy

Now, check air pollution level after every 15 minutes in Chandigarh

The city residents can check real-time air quality monitoring system in city. The UT administration has installed Continuous Ambient Air Quality Monitoring Station (CAAQMS)

<https://timesofindia.indiatimes.com/city/chandigarh/now-check-air-pollution-level-after-every-15-minutes-in-chandigarh/articleshow/70247647.cms>

Source: *Times of India*

Close polluting units in 3 months: NGT

NGT has directed the CPCB to shut down polluting industries in "critically polluted" and "severely polluted" areas across the country within three months, saying that economic development cannot take place at the cost of public health.

<https://timesofindia.indiatimes.com/india/close-polluting-units-in-3-months-ngt/articleshow/70253012.cms>

New Technology

Transport Ministry urges states to incentivize EVs, promote them for shared mobility

States have also been asked to encourage induction of electric vehicles in shared mobility and public transport operations.

<https://economictimes.indiatimes.com/industry/auto/auto-news/transport-ministry-urges-states-to-incentivise-evs-promote-them-for-shared-mobility/articleshow/70279763.cms>

Source: Economic Times

Test EVs in a few cities before full-scale adoption

India must try out pilot projects for electric vehicles (EVs) in a few cities to prove their viability before adopting it across the country said Volkmar Denner, Chairman of Bosch the biggest supplier of power trains for EVs.

<https://economictimes.indiatimes.com/industry/auto/auto-news/test-evs-in-a-few-cities-before-full-scale-adoption-bosch-chief-volkmar-denner/articleshow/70256304.cms>

Source: Economic Times

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

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