

CERCA Weekly Newsletter

July 12, 2019

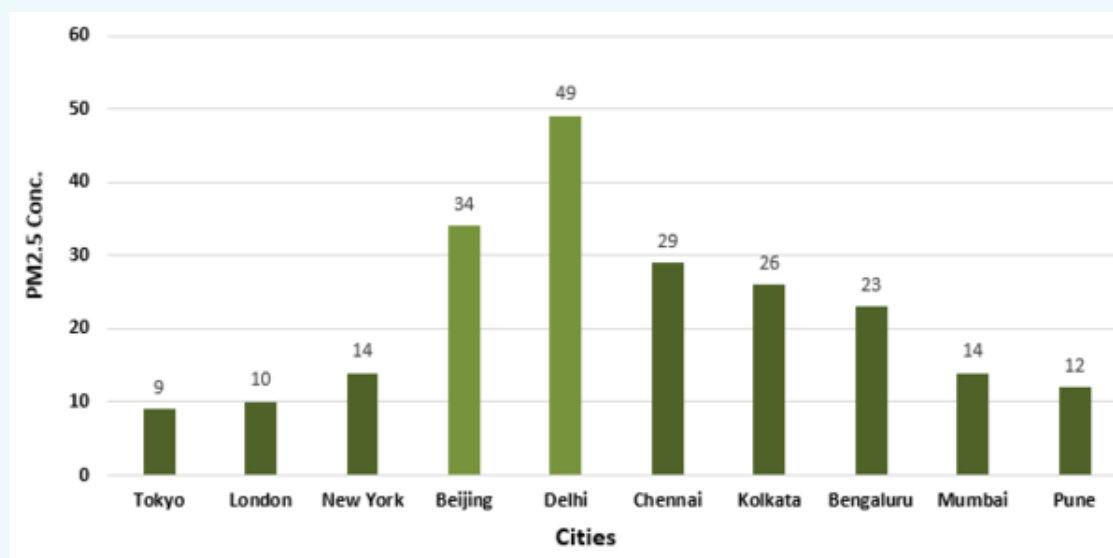
Centre of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi

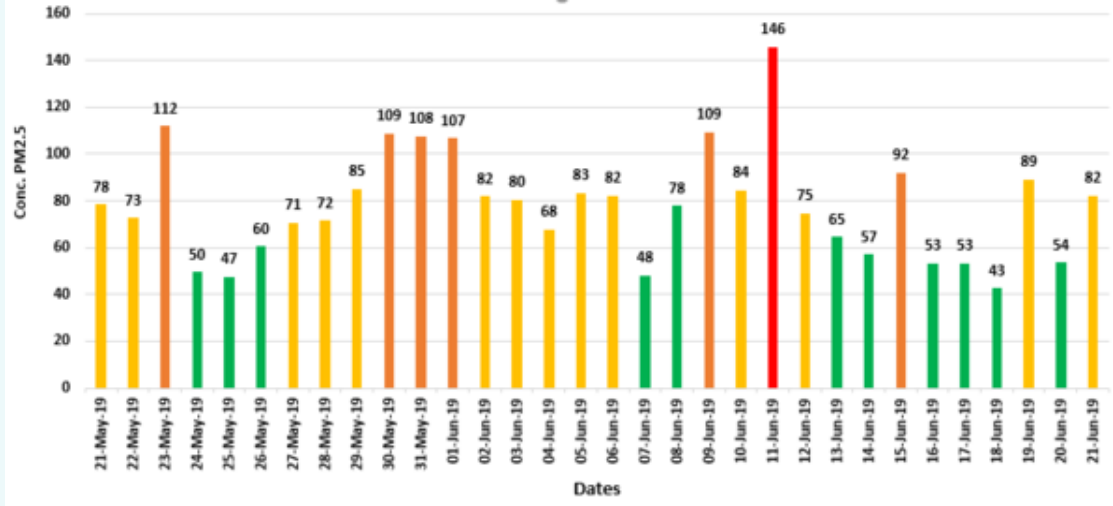


Air Quality in different cities



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

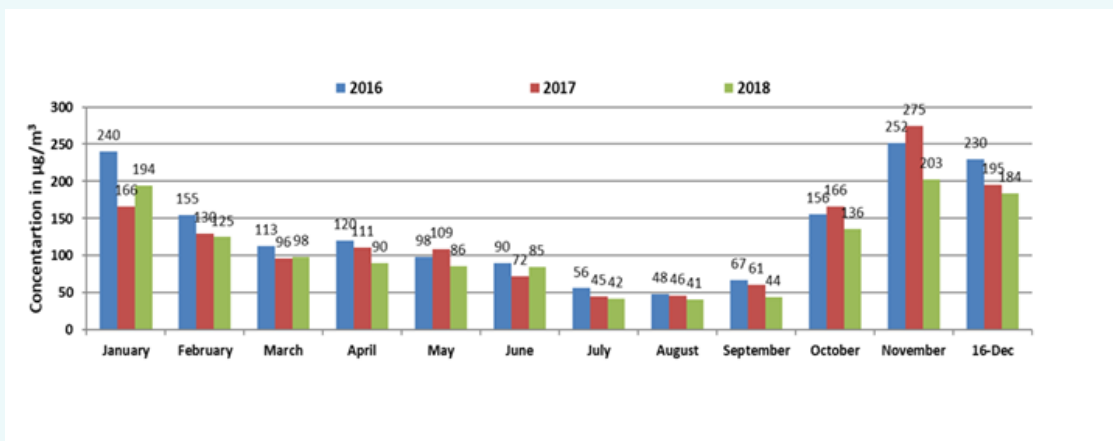
Delhi air quality for last 30 days



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

Deadly air pollution

<https://www.thefinancialexpress.com.bd/editorial/deadly-air-pollution-1561476624>

Source: *The Financial Express*

New Measures and Initiatives

Programme to Reduce Air Pollution in 102 Cities Launched

Union Environment Minister Prakash Javadekar on Tuesday said a programme has been formulated to reduce air pollution in 102 cities across the country.

<https://timesofindia.indiatimes.com/india/centre-will-fund-102-cities-rs-10-cr-each-to-clean-up-air/articleshow/70150985.cms>

Source: *Times of India*

Bolster public transport to reduce air pollution: EPCA

To reduce air pollution in Delhi, the EPCA requested the Supreme Court to intervene in the “grossly inadequate” public transport infrastructure of the city.

<https://www.thehindu.com/news/cities/Delhi/bolster-public-transport-to-reduce-air-pollution-epca/article28324971.ece>

Source: *Business Standard*

Health Impact

Air pollution ages lungs, increases risk of pulmonary disease: study

Exposure to air pollution accelerates lung aging and increases the risk of chronic obstructive pulmonary disease, new research suggests.

<https://edition.cnn.com/2019/07/08/health/air-pollution-copd-lungs-study/index.html>

Source: *Edition CNN*

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

China: still a long way to go

China has made major progress on air pollution but still Wuhan protests show there's still a long way to go.

<https://edition.cnn.com/2019/07/10/asia/china-wuhan-pollution-problems-intl-hnk/index.html>

Source: *Edition CNN*

Artificial rain useless in reducing air pollution

The city's plan to make artificial rain to reduce air pollution in Jakarta misses the point.

<https://www.thejakartapost.com/news/2019/07/09/artificial-rain-useless-in-reducing-air-pollution-greenpeace.html>

Source: *The Jakartapost*

New Research (study) or Policy

IIT Delhi-CERCA team to mount devices on 200 cluster buses to check air pollution

Prof. Sen is working on the project under the aegis of Centre of Excellence for Research on Clean Air, which provided the Rs 5 -lakh seed money for the initial pilot. The sensor-based devices will be installed through a partnership with Delhi Integrated Multi-Modal Transit System (DIMTS)

<https://timesofindia.indiatimes.com/city/delhi/iit-team-to-mount-devices-on-200-cluster-buses-to-check-air-pollution/articleshow/69965333.cms>

Source: *Times of India*

Indore: July showers clean the air, pollutants down by 25%

According to regional PCB officials, rain recorded recently helped PM10 and PM2.5 particles reduce by around 25% providing respite from air pollution apart from bringing the temperature down.

<https://timesofindia.indiatimes.com/city/indore/indore-july-showers-clean-the-air-pollutants-down-by-25/>

Source: Times of India

New Technology

PMO leads the way in EV charging stations

The government is leading the way in installing charging stations for electric vehicles, having set up several such units at various offices starting with the Prime Minister's Office.

<https://economictimes.indiatimes.com/industry/auto/auto-news/pmo-leads-the-way-in-ev-charging-stations/articleshow/70136777.cms>

Source: Economic Times

Daimler India Commercial Vehicles gets its first BS-VI readiness certificate

Daimler India Commercial Vehicles (DICV) has said it has received its first BS-VI readiness certification.

<https://economictimes.indiatimes.com/industry/auto/lcv-hcv/daimler-india-commercial-vehicles-gets-its-first-bs-vi-readiness-certificate/articleshow/70127774.cms>

Source: Economic Times

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

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