

CERCA Weekly Newsletter

July 05, 2019

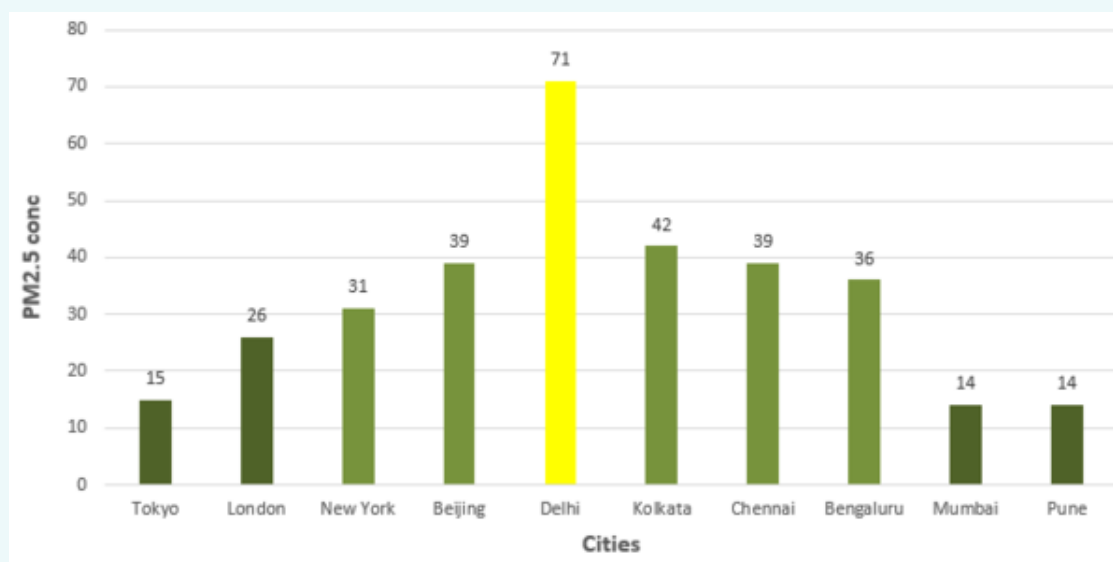
Centre of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi

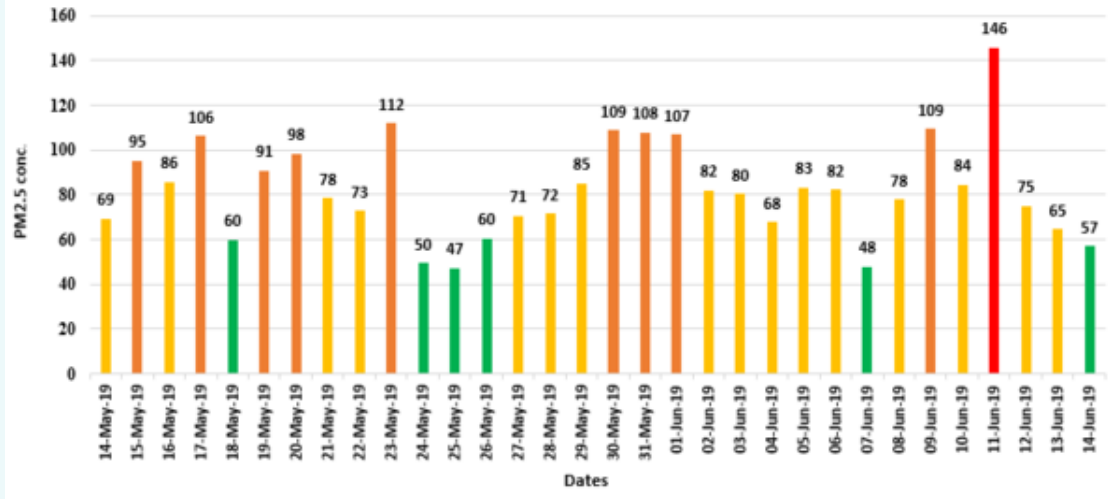


Air Quality in different cities



July 05, 2019, 11:00-12:00 IST (Hourly Average)
Data Source: Berkeley Earth

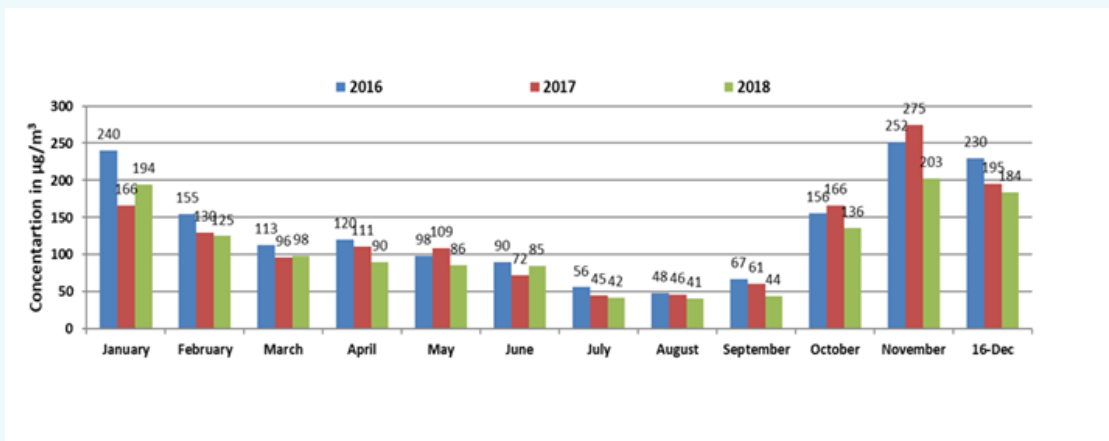
Delhi air quality for last 30 days



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

Gujarat govt. told to deposit ₹75 crore for air pollution

The National Green Tribunal (NGT) has directed the Gujarat government to deposit ₹75 crore in on the high level of air pollution in Ahmedabad.

<https://www.thehindu.com/news/states/gujarat-govt-told-to-deposit-75-crore-for-air-pollution/article28277591.ece>

Source: *The Hindu*

Environment Ministry acquires electric cars for official use to combat air pollution

The Environment Ministry on Tuesday acquired electric cars for official use, a move aimed at reducing air pollution.

https://www.business-standard.com/article/pti-stories/environment-ministry-acquires-electric-cars-for-official-use-to-combat-air-pollution-119070200992_1.html

Source: *Business Standard*

Health Impact

Three Recent Studies Have Linked Air Pollution to Autism

Three recent studies, in Asia, Canada and Europe, have shown that exposure to PM2.5 particle pollution and nitric oxide has led to an increased risk of autism.

<https://interestingengineering.com/three-recent-studies-have-linked-air-pollution-to-autism>

Source: *Interesting Engineering*

Air pollution in India linked to increased hypertension risk in women: Study

Exposure to higher levels of indoor air pollution in India is associated with an increased risk of hypertension among women, according to a study.

https://www.business-standard.com/article/pti-stories/air-pollution-in-india-linked-to-increased-hypertension-risk-in-women-study-119062600688_1.html

Source: *Business Standard*

International Developments

Jakarta residents to sue government over severe air pollution

The Indonesian capital topped the charts for the world's most polluted city a dozen times in June.

https://www.business-standard.com/article/pti-stories/jakarta-residents-sue-indonesia-government-over-air-pollution-119070400795_1.html

Source: *Business Standard*

Research on air quality in Canada sets the bar high for many countries

Air pollution research is among the top priorities of the Environment and Climate Change Canada sector of the government.

<https://greatlakesecho.org/2019/06/10/research-on-air-quality-in-canada-sets-the-bar-high-for-many-countries/>

Source: *Great Lakes Echo*

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*

Air Quality Monitoring System Checking Air Pollution in Arunachal Pradesh

Arunachal Pradesh Pollution Control Board (APPCB) staff are on the job 24×7 to analyse the level of air

pollution in the State and issue directives to maintain its status as 'Lungs of the Globe'.

<https://www.sentinelassam.com/news/air-quality-monitoring-system-checking-air-pollution-in-arunachal-pradesh/>

Source: *Sentinelassam*

New Technology

Emphasise on EVs, frame policy to reduce total ownership cost: Economic Survey 2019

In India, electric two-wheelers have been the major part of EV sales with sales of around 54,800 in 2018.

<https://economictimes.indiatimes.com/industry/auto/auto-news/emphasise-on-evs-frame-policy-to-reduce-total-ownership-cost-economic-survey-2019/articleshow/70070731.cms>

Source: *Economic Times*

Govt mulling ban on petrol, CNG two and three-wheelers: Nitin Gadkari

The government is mulling a ban on all petrol and CNG-operated two and three wheelers by 2025 to promote electric vehicles.

<https://economictimes.indiatimes.com/industry/auto/auto-news/govt-mulling-ban-on-petrol-cng-two-and-three-wheelers-nitin-gadkari/articleshow/70076804.cms>

Source: *Economic Times*

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

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