

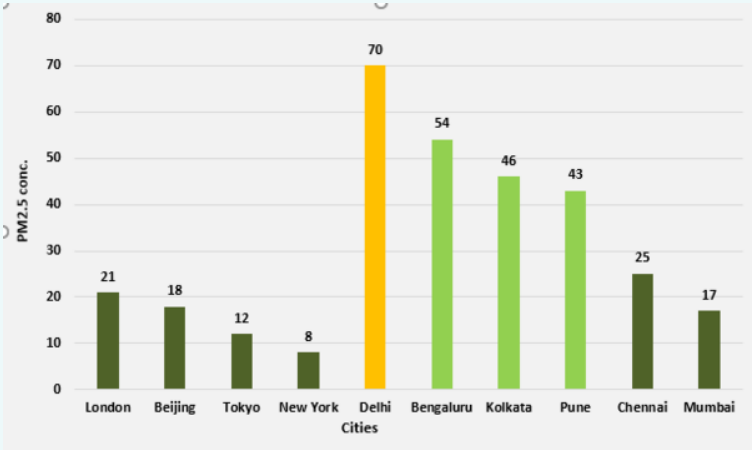
CERCA Weekly Newsletter

June 14, 2019

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

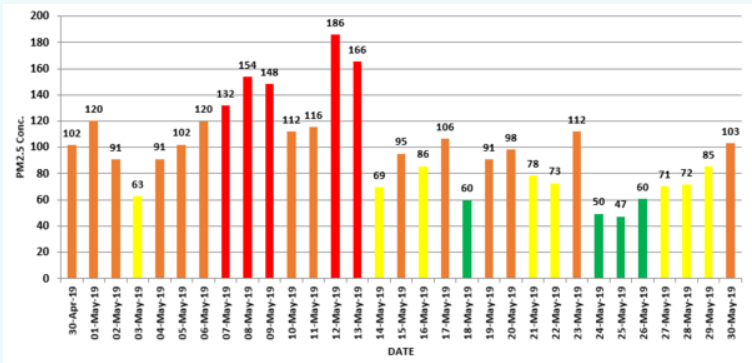


Air Quality in different cities



June 14, 2019, 11:00-12:00 IST (Hourly Average)
Data Source: Berkeley Earth

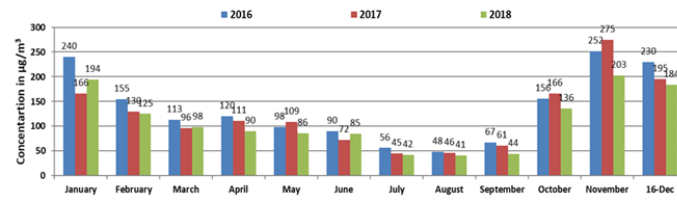
Delhi air quality for last 30 days



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

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

[Giving air pollution a face](https://www.livemint.com/mint-lounge/features/giving-air-pollution-a-face-1559876731656.html)

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Source: Livemint

New Measures and Initiatives

[Agra launches action plan to combat air pollution](https://www.unenvironment.org/news-and-stories/press-release/city-taj-mahal-agra-launches-action-plan-combat-air-pollution)

A comprehensive action plan to control air pollution was launched in Agra, one of India's most polluted cities and home to the majestic Taj Mahal.

<https://www.unenvironment.org/news-and-stories/press-release/city-taj-mahal-agra-launches-action-plan-combat-air-pollution>

Source: Unenvironment

[Only nine monitors to check air pollution, PCB comes under flak](https://timesofindia.indiatimes.com/city/vijayawada/only-nine-monitors-to-check-air-pollution-pcb-comes-under-flak/articleshow/69779018.cms)

There are only 9 monitors in Vijayawada to analyze the air pollution levels and out of them, only one monitor in real time.

<https://timesofindia.indiatimes.com/city/vijayawada/only-nine-monitors-to-check-air-pollution-pcb-comes-under-flak/articleshow/69779018.cms>

Source: Times of India

Health Impact

[Air pollution is responsible for up to one in five premature deaths](#)

Air pollution is directly responsible for up to one in five premature deaths in 19 Western Balkan cities, suggest preliminary results from a report led by UN Environment.

<https://www.unenvironment.org/news-and-stories/press-release/air-pollution-responsible-one-five-premature-deaths-19-western>

Source: Unenvironment

Life expectancy in India down by 2.6 yrs due to air pollution: Study

Air pollution is now the third highest cause of death among all health risks ranking in India.

<https://www.thehindubusinessline.com/news/science/life-expectancy-in-india-down-by-26-yrs-due-to-air-pollution-study/article27812942.ece>

Source: The Hindu Businessline

International Developments

UK government failing to tackle rise of serious air pollutant

Investigation reveals no plan is in place to tackle increase in levels of agricultural ammonia, a gas contributing to thousands of deaths in UK alone.

<https://www.theguardian.com/environment/2019/jun/13/revealed-uk-government-failing-to-tackle-rise-of-ammonia-serious-air-pollutant>

Source: The Guardian

China names and shames six cities for air pollution

China's environmental watchdog on Thursday held talks with government leaders from six cities for not doing enough to cope with air pollution.

http://www.xinhuanet.com/english/2019-06/13/c_138140830.htm

Source: Xinhuanet

New Research (study) or Policy

Dust storm increases air pollution level in city, experts blame low-velocity winds

The pollution levels in the city deteriorated with the AQI (air quality index) recorded at 376 (very poor), according to the air quality monitor at Vikas Sadan near Mini Secretariat.

<https://www.hindustantimes.com/india-news/dust-storm-increases-air-pollution-level-in-city-experts-blame-low-velocity-winds/story-iuPeUTjFuxF2iSnG50KyYJ.html>

Source: Hindustan Times

Air pollution wreaking havoc in Northeast states: Study

World Environment Day, has brought to focus how it is slowly turning into a major health problem in the Northeast where deaths due to acute respiratory infection (ARI) are on the rise.

<https://timesofindia.indiatimes.com/city/guwahati/air-pollution-wreaking-havoc-in-northeast-states-study/articleshow/69670696.cms>

Source: Times of India

New Technology

All new cars sold for commercial use to be electric from 2026

DIndia plans to order taxi aggregators like Uber and Ola to convert 40% of their fleet of cars to electric by April 2026.

<https://economictimes.indiatimes.com/industry/auto/auto-news/all-new-cars-sold-for-commercial-use-to-be-electric-from-2026/articleshow/69676842.cms>

Source: Economic Times

Mahindra invest Rs 1000 crore in developing BS-VI technology

Mahindra will be upgrading eight diesel and four petrol engines spread across over 50 products over the next 12 months.

<https://economictimes.indiatimes.com/industry/auto/auto-news/mahindra-invest-rs-1000-crore-in-developing-bs-vi-technology/articleshow/69636369.cms>

Source: Economic Times

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

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