

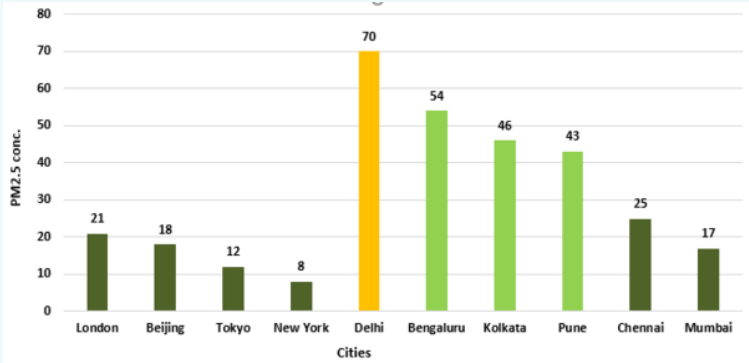
CERCA Weekly Newsletter

May 24, 2019

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

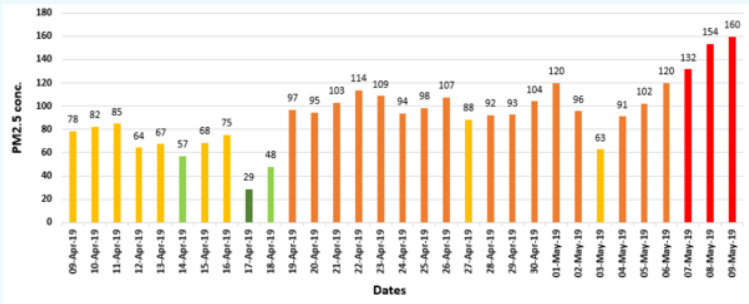


Air Quality in different cities



May 24, 2019, 11:00-12:00 IST (Hourly Average)
Data Source: Berkeley Earth

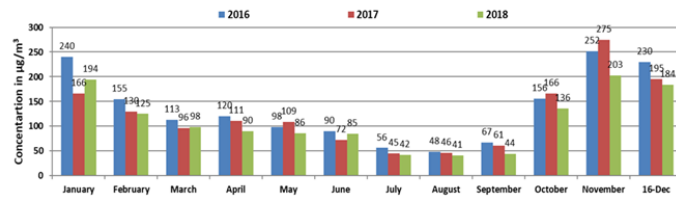
Delhi air quality for last 30 days



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

[Air pollution hurts the poorest most](https://www.unenvironment.org/news-and-stories/story/air-pollution-hurts-poorest-most)

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Source: Unenvironment

New Measures and Initiatives

[CERCA hosts roundtable on Air Quality at IIT-Delhi](https://www.thehindu.com/news/cities/Delhi/round-table-conference-hosted-at-iit-delhi-on-air-quality/article27121384.ece)

The Centre of Excellence for Research on Clean Air (CERCA), IIT-Delhi, hosted a round-table conference on air quality at the institute on the need of data gathering, raising awareness and role of democracy and law to resolve the issues related to air quality.

<https://www.thehindu.com/news/cities/Delhi/round-table-conference-hosted-at-iit-delhi-on-air-quality/article27121384.ece>

Source: The Hindu

[Govt proposes air purifiers on elevated corridor](https://www.deccanherald.com/city/govt-proposes-air-purifiers-on-elevated-corridor-735177.html)

The state government has tried to push the Elevated Corridor project by citing it as a panacea for a host of traffic-related problems.

<https://www.deccanherald.com/city/govt-proposes-air-purifiers-on-elevated-corridor-735177.html>

Source: Deccanherald

[91% premature deaths due to air pollution in low and middle-income countries: UNEP](#)

In the run up to the World Environment Day with its theme of "air pollution", the United Nations Environment Programme (UNEP) on Thursday urged governments across the globe to deal with this silent killer.

<https://economictimes.indiatimes.com/news/environment/pollution/91-premature-deaths-due-to-air-pollution-in-low-and-middle-income-countries-unep/articleshow/69264417.cms>

Source: Economic Times

[Air pollution may up childhood anxiety, depression](#)

Being exposed to traffic-related air pollution can alter brain chemicals in children, increasing the risk of mental disorders such as anxiety and depression, a study has found.

<https://www.deccanherald.com/science-and-environment/air-pollution-may-up-childhood-anxiety-depression-735307.html>

Source: Deccanherald

International Developments

[The U.S. Cities with the Most Deaths from Air Pollution](#)

Apart from decreasing pollution, some pockets of the country, namely Los Angeles, where air pollution kills thousands of people as per recent study.

<https://gizmodo.com/the-u-s-cities-with-the-most-deaths-from-air-pollution-1834981653>

Source: Gizmodo

[Air pollution hotspots in Europe](#)

Big cities beset with gridlocked traffic, major regions producing coal, pockets of heavy industry encased by mountains -- Europe's air pollution hotspots are clearly visible from space on most sunny weekdays.

<https://economictimes.indiatimes.com/news/environment/pollution/air-pollution-hotspots-in-europe/articleshow/69383330.cms>

Source: Economic Times

New Research (study) or Policy

[Failing to cut illegal air pollution' on 113 roads](#)

Ministers face a High Court challenge over allegations that they failed to act over illegal levels of pollution on more than 100 roads.

<https://www.thetimes.co.uk/article/ministers-accused-of-failing-to-cut-pollution-on-113-roads-bpf952tb8>

Source: The Times

[Ink Is Made From Air Pollution](#)

Researchers have developed a device that can capture air pollution at its source; once collected, they turn the soot into ink.

<https://www.smithsonianmag.com/innovation/ink-made-air-pollution-180972212/>

Source: Smithsonianmag

New Technology

[Panasonic to set up 1 lakh charging sites for e-vehicles](#)

Japanese electronics giant Panasonic is planning to set up one lakh charging stations and telematic solutions across top 25 Indian cities by 2024 to power over a million vehicles.

<https://economictimes.indiatimes.com/industry/auto/auto-news/panasonic-to-set-up-1-lakh-charging-sites-for-e-vehicles/articleshow/69352891.cms>

Source: Economic Times

[The real reason we're not driving electric cars](https://economictimes.indiatimes.com/industry/auto/auto-news/the-real-reason-were-not-driving-electric-cars/articleshow/69319457.cms)

CVehicles that appeal to consumers remain few and far between, and those on the road are still too expensive.

<https://economictimes.indiatimes.com/industry/auto/auto-news/the-real-reason-were-not-driving-electric-cars/articleshow/69319457.cms>

Source: Economic Times

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

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