

CERCA Weekly Newsletter

March 15, 2019

Center of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi



Air Quality in different cities

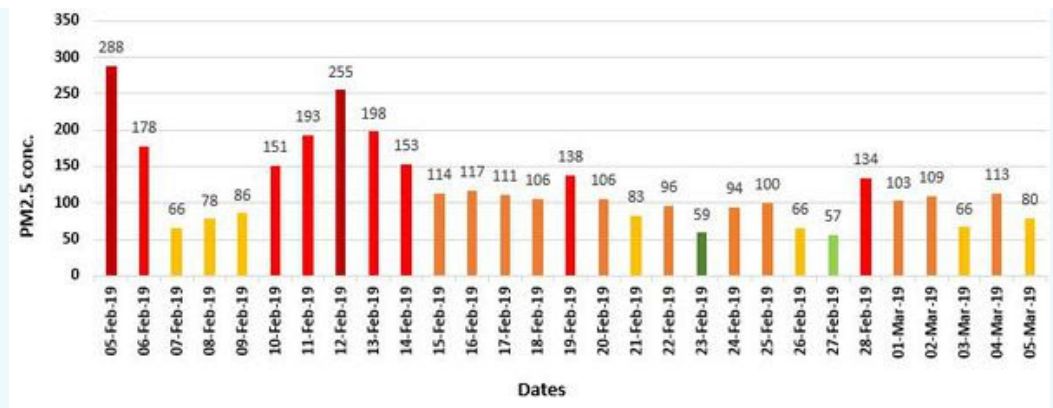


Graph shows poor air quality in Delhi

March 15, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

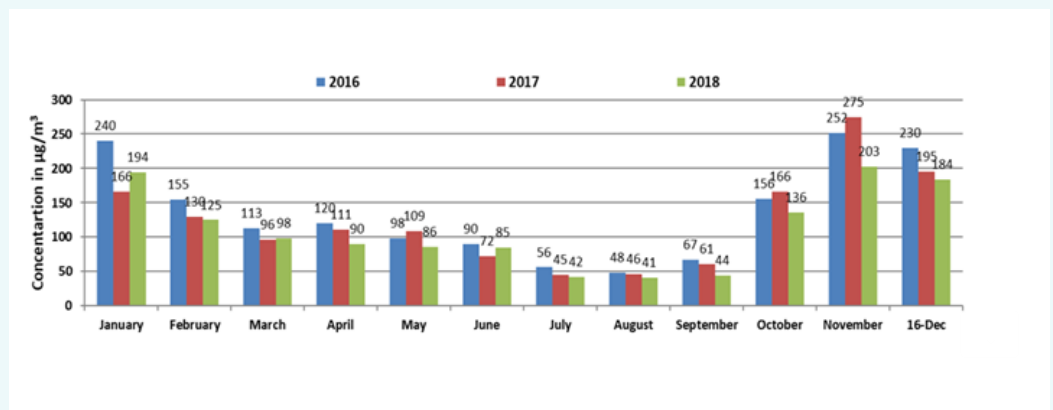
Delhi air quality for last 30 days



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

[Where air pollution hits hardest](https://www.dw.com/en/where-air-pollution-hits-hardest/a-47907072)

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Source: DW

New Measures and Initiatives

[IIT Delhi, CERCA to Propose Measures to Control Air Pollution in City To Centre](https://www.ndtv.com/india-news/iit-delhi-to-propose-measures-to-control-air-pollution-in-city-to-centre-2006008)

IIT-Delhi, which has a Centre of Excellence for Research on Clean Air, meant for research to study air pollution issues in Delhi-NCR region, is working closely with the Central Pollution Control Board on the issue.

<https://www.ndtv.com/india-news/iit-delhi-to-propose-measures-to-control-air-pollution-in-city-to-centre-2006008>

Source: NDTV

[University of Birmingham collaborates with Indian scientists to tackle air pollution](https://www.business-standard.com/article/pti-stories/experts-from-india-and-university-of-birmingham-collaborate-to-tackle-air-pollution-119031300596_1.html)

Experts from the University of Birmingham and researchers from India announced a collaboration Wednesday to jointly develop strategies to resolve health, social and economic issues linked to air pollution in Delhi.

https://www.business-standard.com/article/pti-stories/experts-from-india-and-university-of-birmingham-collaborate-to-tackle-air-pollution-119031300596_1.html

Source: Business Standard

Health Impact

[Air pollution raises diabetes risk: china study](#)

Long-term exposure to harmful smog particles increases the risk of diabetes, a new study in China has shown, providing evidence for a link between the country's air pollution and the disease.

https://www.business-standard.com/article/pti-stories/long-term-exposure-to-air-pollution-increases-risk-of-diabetes-chinese-study-119031200700_1.html

Source: Business Standard

[Air pollution is a bigger killer than SMOKING](#)

Air pollution is killing more people than tobacco and the number of deaths associated with the fine particulate matter in the atmosphere globally is around 8.8 million.

<https://psmag.com/environment/air-pollution-kills-more-people-than-smoking>

Source: Psmag

International Developments

[Seoul passes emergency Bills to fight haze](#)

South Korea's parliament passed emergency measures on Wednesday to tackle the "social disaster" of air pollution, after the country saw record levels of pollution earlier this month.

https://www.business-standard.com/article/pti-stories/seoul-passes-emergency-bills-to-fight-air-pollution-119031300812_1.html

Source: Business Standard

[Beijing's Air Pollution Control management: model for cities](#)

The UN Environment Programme (UNEP) and the BEE, China, have published a report that describes the evolution of Beijing's air quality management programme, and recommends steps the city can take to continue improving its air quality.

<http://sdg.iisd.org/news/unep-report-highlights-beijings-air-pollution-control-efforts-as-model-for-other-cities/>

Source: Inverse

New Research (study) or Policy

[Supreme Court asks Centre for comparative study](#)

The Supreme Court on Tuesday asked the Centre to give a comparative study on pollution caused by firecrackers and automobiles and observed that people are running after firecrackers and seeking ban on it when it seems that automobile is the

bigger polluter.

https://www.hindustantimes.com/india-news/which-is-worse-crackers-or-cars-supreme-court-asks-centre-for-comparative-study/story-BzPW4OPJVx8aPhRfDH0CWM.html?utm_campaign=fullarticle&utm_medium=referral&utm_source=inshorts

Source: Hindustan Times

Air pollution deaths are double previous estimates, finds research

Researchers say dirty air is killing 800,000 people a year in Europe, and urge the phasing out of fossil fuel burning.

<https://www.ndtv.com/world-news/air-pollution-deaths-are-double-earlier-estimates-study-2006448?amp=1&akamai-rum=off>

Source: NDTV

New Technology

Delhi Govt. Releases Global Tenders for 375 Electric Buses to Fight Air Pollution in The City

Delhi Transport Minister Kailash Gahlot said the 375 e-buses will form the first phase of the procurement of the 1,000 buses.

<http://www.newindianexpress.com/cities/delhi/2019/mar/11/delhi-govt-floats-global-tenders-for-375-e-buses-1949529.html>

Source: Indian Express

Is CNG vehicles causing air pollution, HC asks Delhi Government

The Delhi High Court has asked the AAP government whether CNG vehicles contribute to the air pollution in the national capital.

https://www.business-standard.com/article/pti-stories/do-cng-vehicles-cause-air-pollution-hc-asks-delhi-govt-119031400875_1.html

Source: Business Standard

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

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