

CERCA Weekly Newsletter

March 29, 2019

Center of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi

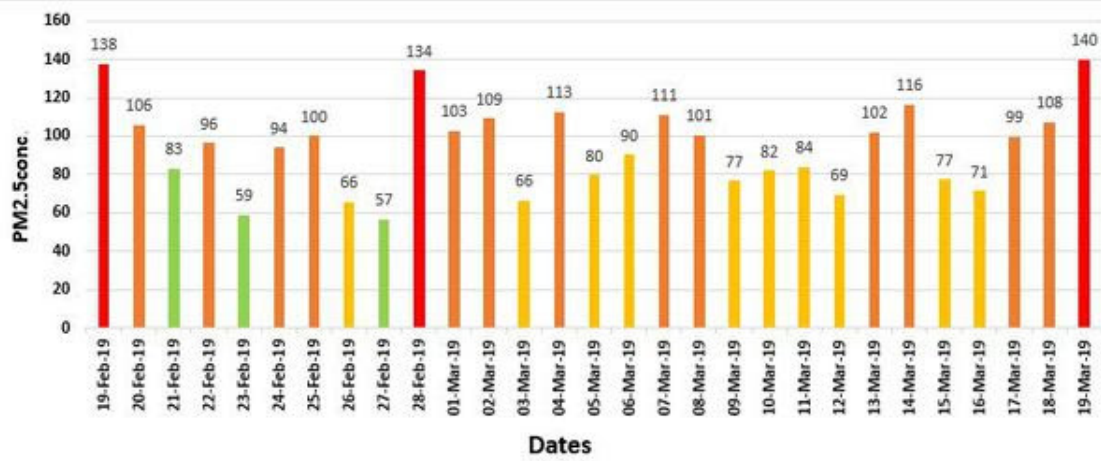


Air Quality in different cities



March 29, 2019, 11:00-12:00 IST (Hourly Average)
Data Source: Berkeley Earth

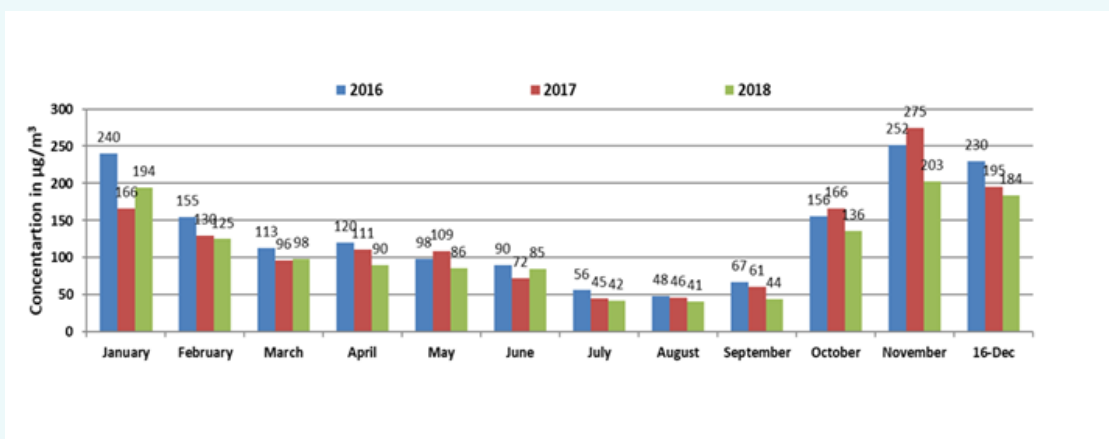
Delhi air quality for last 30 days



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

Clean The air

<https://www.sfchronicle.com/opinion/openforum/article/Editorial-Clear-the-air-13715768.php>

Source: San Francisco Chronicle

New Measures and Initiatives

CPCB is directed to expand the list of cities for clean air action plans

India's clean air programme may not be limited to 102 cities. NGT has directed the CPCB to expand the list which do not meet the prescribed national ambient air quality standards.

<https://economictimes.indiatimes.com/news/environment/pollution/cpcb-is-directed-to-expand-the-list-of-cities-for-clean-air-action-plans/articleshow/68476560.cms>

Source: Economic Times

Canned air and water-spraying drones: Smog remedies

As millions of people in Asia choke under polluted skies, authorities have turned to water-dispersing drones and outdoor air purifiers to improve air quality

<https://economictimes.indiatimes.com/news/environment/pollution/canned-air-and-water-spraying-drones-smog-remedies/articleshow/68509019.cms>

Source: *Economic Times*

Health Impact

Ban on anthropogenic air pollution would prevent 5.6 Million Air Pollution deaths per year: New Study

If humans stopped emitting air pollution, an astonishing 5.6 million premature deaths per year due to global outdoor air pollution could be prevented, according to research published Monday.

<https://weather.com/en-IN/india/pollution/news/2019-03-28-stopping-human-caused-air-pollution-would-prevent-56-million-air>

Source: *Weather*

Air pollution in Europe is reducing the average lifespan by 2 years

The average person living in Europe loses two years of their life to the health effects of breathing polluted air, according to a report published in the European Heart Journal.

<https://www.theguardian.com/environment/2018/nov/20/air-pollution-cuts-global-average-lifespan-by-nearly-two-years-study>

Source: *The Guardian*

International Developments

A review of 20 Years' Air Pollution Control in Beijing

The lessons, policies and actions in this report could also help guide pollution reduction measures in other cities looking to improve air quality.

<https://www.unenvironment.org/resources/report/review-20-years-air-pollution-control-beijing>

Source: *Unenvironment*

Calls to ban cars outside schools grow following survey of teachers

63% of teachers would like to see cars and buses banned outside school gates during pick up and drop off times.

<https://www.theguardian.com/environment/2019/mar/25/ban-cars-outside-uk-schools-air-pollution>

Source: *The Guardian*

New Research (study) or Policy

[Study Links Air Pollution and Teenage Psychotic Experiences](#)

Air pollution has long been known to have a potentially deadly impact on the heart and lungs, but increasing evidence is showing it might be bad for the brain as well.

<https://www.bbc.com/news/health-47709074>

Source: *BBC*

[Study: Cutting Fossil Fuel Use Could Save Millions](#)

A new study indicates that rapidly slashing fossil fuel emissions could prevent millions of premature deaths caused by air pollution.

<https://edition.cnn.com/2019/03/25/health/air-pollution-emissions-study/index.html>

Source: *CNN*

New Technology

[Public transport permit mandatory for electric 3W, 4W to avail FAME-II sops: Government](#)

The FAME scheme in its second phase starting next week will support 5 lakh e-rickshaws having ex-factory price of up to Rs 5 lakh with an incentive of Rs 50,000 each.

<https://economictimes.indiatimes.com/industry/auto/auto-news/public-transport-permit-mandatory-for-electric-3w-4w-to-avail-fame-ii-sops-government/articleshow/68564520.cms>

Source: *Economic Times*

[GoZero Mobility enters India, launches two e-bikes](#)

British electric bike and lifestyle brand GoZero Mobility forayed into Indian market Wednesday with the launch of two electric bikes, One and Mile.

<https://economictimes.indiatimes.com/industry/auto/two-wheelers-three-wheelers/gozero-mobility-enters-india-launches-two-e-bikes/articleshow/68599241.cms>

Source: Economic Times

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

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