

CERCA Weekly Newsletter

March 01, 2019

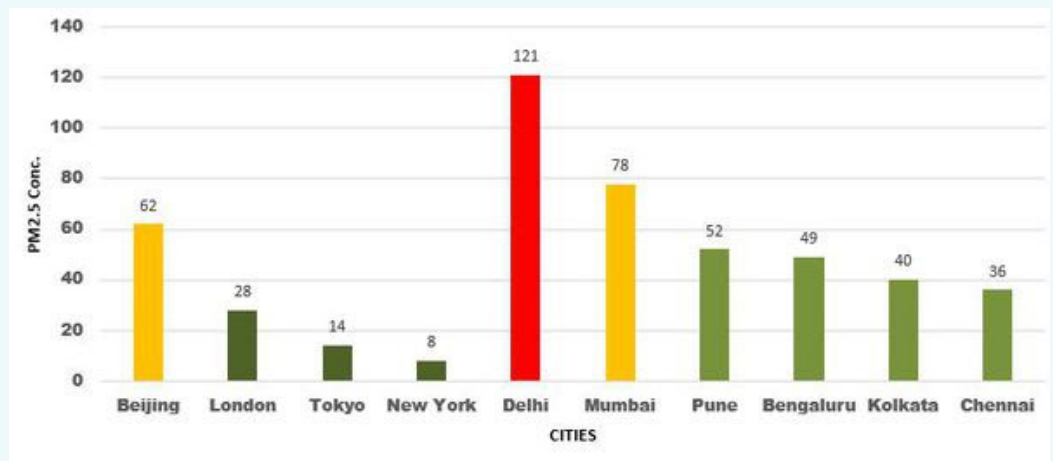
Center of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi



Air Quality in different cities

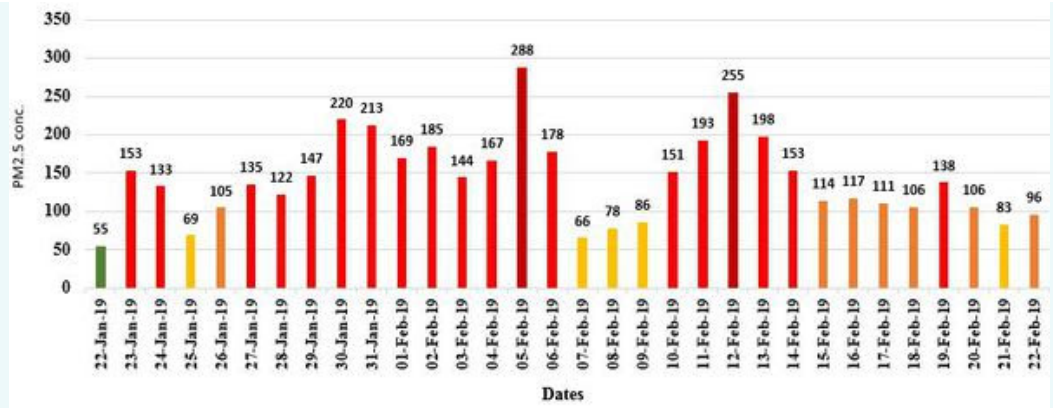


Delhi air quality is poor as compared to different cities in India.

February 14, 2019, 10:00-11:00 IST (Hourly Average)

Data Source: Berkeley Earth

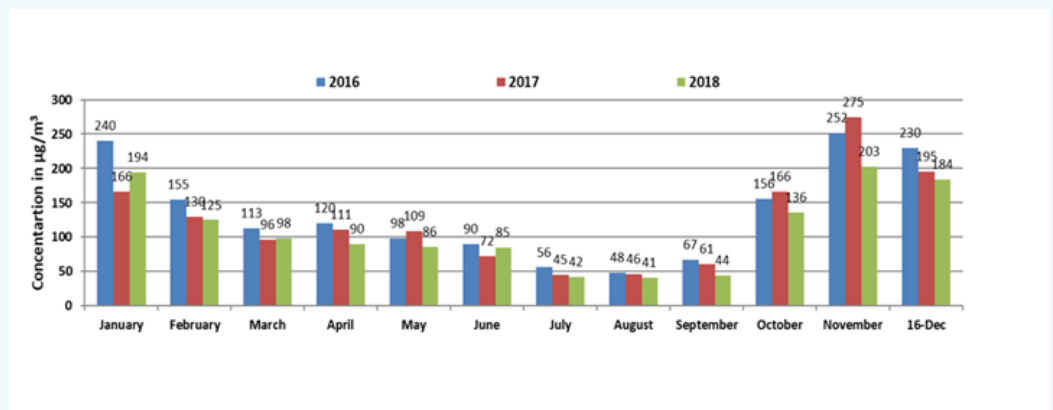
Delhi air quality for last 30 days



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

[Economic distress can make people hostile to the idea of environment protection](https://www.telegraphindia.com/opinion/fighting-air-pollution-economic-distress-can-make-people-hostile-to-the-idea-of-environment-protection/cid/1685859)

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Source: The Telegraph

New Measures and Initiatives

[CPCB issued show cause notices for violation of air pollution norms](https://timesofindia.indiatimes.com/business/india-business/cpcb-issues-showcause-notice-to-ultratech-for-air-pollution/articleshow/68191843.cms)

The Central Pollution Control Board (CPCB) has issued a show cause notice to UltraTech Cement's Amreli plant for spewing higher than permitted air pollution.

<https://timesofindia.indiatimes.com/business/india-business/cpcb-issues-showcause-notice-to-ultratech-for-air-pollution/articleshow/68191843.cms>

Source: Times of India

[Clean Air Zone penalty considered as part of new measures to cut pollution](https://www.burytimes.co.uk/news/17462768.clean-air-zone-penalty-considered-as-part-of-new-measures-to-cut-pollution/)

MOTORISTS could be charged up to £100 a day for driving in Bury under radical new proposals meant to clean up the region's air.

<https://www.burytimes.co.uk/news/17462768.clean-air-zone-penalty-considered-as-part-of-new-measures-to-cut-pollution/>

Source: Bury Times

Health Impact

[Diesel vehicles killing us](#)

On-road diesel vehicles were responsible for nearly half of the health impacts of air pollution from vehicles worldwide in 2015.

<https://www.financialexpress.com/auto/car-news/majority-of-air-pollution-deaths-in-india-due-to-diesel-vehicles-emission-claims-study/1501124/>

Source: Financial Express

[Vehicular pollution affecting kid's academic performance](#)

New research indicates that when students switch to schools with higher levels of traffic pollution, they tend to experience declines in test scores, more behavioral incidents, and more absences.

<https://www.citylab.com/environment/2019/02/air-pollution-kids-health-data-school-academic-test-scores/581929/>

Source: Citylab

International Developments

[UK warns of severe air pollution across country this week](#)

UK residents have been warned to reduce outdoor activities in certain areas, as the country experiences severe air pollution that is expected to worsen during the week.

<https://www.theguardian.com/environment/2019/feb/27/pollution-map-reveals-unsafe-air-quality-at-almost-2000-uk-sites>

Source: The Guardian

[Leeds Street named worst NO2 pollution hotspot out of London](#)

A Street in Leeds city centre is the most polluted outside London, an environmental group has claimed.

<https://www.bbc.com/news/uk-england-leeds-47389568>

Source: BBC

New Research (study) or Policy

[Impact of open burning of crop residues on air pollution](#)

Urban emissions of black carbon from fossil fuel combustion are not always the main contributor to severe air pollution in south Asian megacities like New Delhi, shows a new study.

<https://www.sciencedaily.com/releases/2019/02/190227111130.htm>

Source: Science Daily

Is Vehicle sharing – the solution to hazardous air pollution in India?

Vehicle sharing for long has been suggested as an efficient tool to combat the increasing pollution in cities across the world. In India, the problem of air pollution is even more acute.

<https://www.financialexpress.com/auto/car-news/vehicle-sharing-the-solution-to-hazardous-air-pollution-in-india/1494231/>

Source: Financial Express

New Technology

Government may offer up to Rs 2.5 lakh subsidy for 60,000 e-cars

The Cabinet is likely to take up this proposal as part of the second phase of Faster Adoption and Manufacturing of (Hybrid & Electric Vehicles) India (FAME) scheme on Thursday.

<https://economictimes.indiatimes.com/industry/auto/auto-news/government-may-offer-up-to-rs-2-5-lakh-subsidy-for-60000-e-cars/articleshow/68195828.cms>

Source: Economic Times

Mahindra & Mahindra enters shared mobility space with Glyd

M&M has partnered Cisco for providing the video conferencing facility and Vodafone for delivering the digital content and connectivity features for its prospective customers.

<https://tech.economictimes.indiatimes.com/news/technology/mahindra-mahindra-enters-shared-mobility-space-with-glyd/68161697>

Source: Economic Times

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

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