

CERCA Weekly Newsletter

March 08, 2019

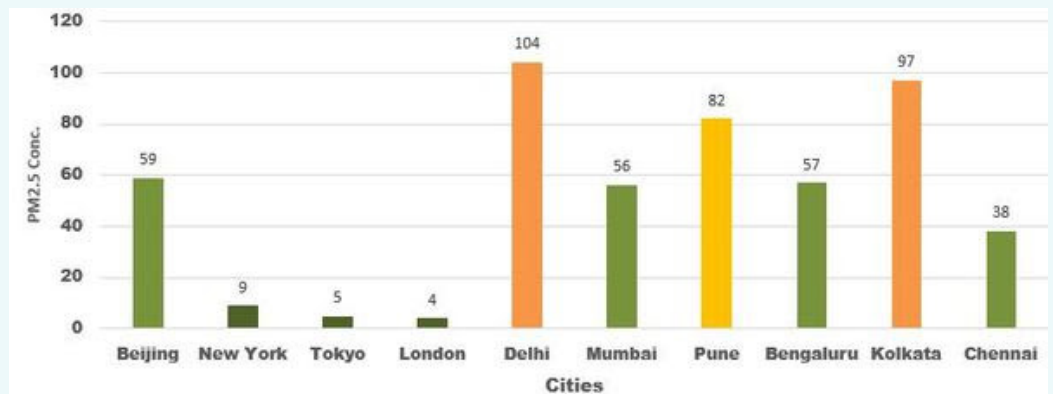
Center of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi



Air Quality in different cities

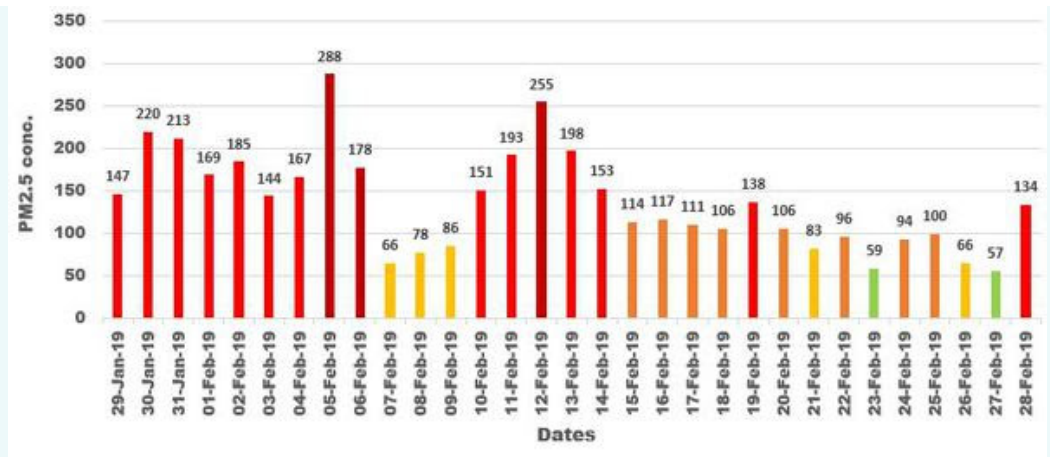


Kolkata surpasses Delhi in Air pollution.

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

Data Source: Berkeley Earth

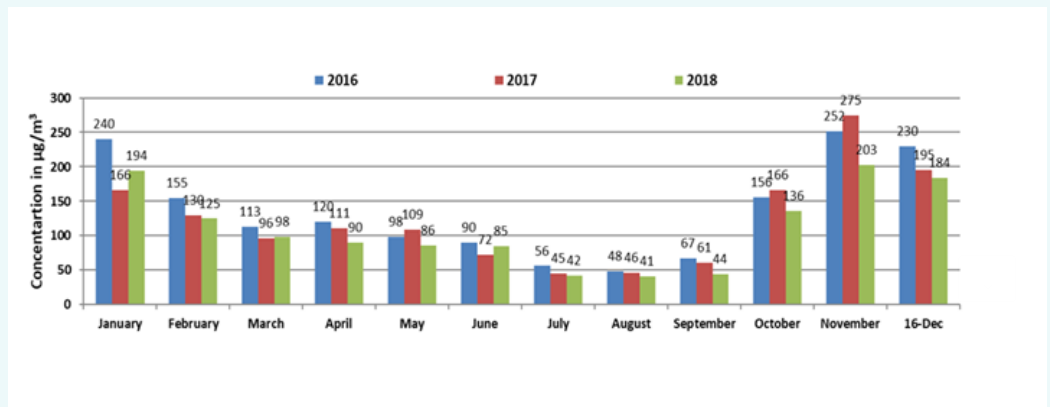
Delhi air quality for last 30 days



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

Time to close the air pollution gender gap

<https://www.khaleejtimes.com/time-to-close-the-air-pollution-gender-gap>

Source: Khaleej Times

New Measures and Initiatives

In a Bid to Check Air Pollution, Punjab Brick Kilns Will Be Shifting To Cleaner Technology

The state cabinet of Punjab chaired by Chief Minister Amarinder Singh has approved a plan for the conversion of brick kilns into kilns with cleaner technology in order to check pollution in the state.

<http://www.newindianexpress.com/nation/2019/mar/06/to-check-air-pollution-in-punjab-natural-draft-brick-kilns-to-convert-to-induced-draft-brick-kilns-1947513.html>

Source: Indian Express

Tackling Delhi's Pollution: Make Cooling Panels from Farm Waste, Says Scientist

According to a recent Harvard University study, however, half of Delhi's air pollution, particularly in the winter months (October-November), is a result of what's popularly known as crop burning in Punjab and Haryana.

<https://www.thebetterindia.com/159535/harvard-delhi-air-pollution-cooling-panels/>

Source: The Better India

Health Impact

Air pollution claims 7 million lives each year: UN expert

UN special rapporteur on environment and human rights, said that over six billion people, one-third of them children, are regularly inhaling air so polluted that it puts their life, health and well-being at risk.

<https://economictimes.indiatimes.com/news/environment/pollution/air-pollution-claims-7-million-lives-each-year-un-expert/articleshow/68266636.cms>

Source: The Economic Times

Is your wood stove choking you?

The World Health Organization has ranked air pollution and climate change as the top health threat for 2019. One in nine deaths around the world are due to air pollution.

<https://theconversation.com/blame-wood-burning-stoves-for-winter-air-pollution-and-health-threats-110662>

Source: The Conversation

International Developments

South Korea proposes artificial rain project as air quality worsens

Poor air quality has become a rising concern throughout South Korea in recent months as below-normal rainfall and air stagnation have resulted in worsening air quality.

<https://www.aljazeera.com/news/2019/03/south-korea-plans-artificial-rain-reduce-seoul-air-pollution-190306095309023.html>

Source: Al Jazeera Media Network

Air of revolution

The Brilliant Ways Local Communities Are Using Art to Fight Air Pollution.

<https://www.inverse.com/article/53860-mukuru-kenya-using-art-to-fight-air-pollution>

Source: Inverse

New Research (study) or Policy

Stubble burning costs India nearly USD 30 billion: Study

Not just growing respiratory diseases but crop residue burning (CRB) has led to economic loss of nearly \$ 30 billion or Rs 2 lakh crore annually for the three north Indian states of Punjab, Haryana and Delhi every year in India, says a new study.

<https://www.timesnownews.com/mirror-now/in-focus/article/air-pollution-from-stubble-burning-costing-india-usd-30-billion-annually-study/376149>

Source: Times Now News

Delhi Ranked Most Polluted Capital in the World

Delhi has been ranked the most polluted capital in the world, while Gurugram is the most polluted city.

https://in.reuters.com/article/us-india-pollution/new-delhi-is-worlds-most-polluted-capital-beijing-eighth-idINKCN1QM1FH?utm_campaign=fullarticle&utm_medium=referral&utm_source=inshorts

Source: Reuters

New Technology

Delhi to Fight Air Pollution with Electric Vehicles

The Delhi Cabinet on Saturday approved a thousand low floor electric buses for the national capital in a bid to fight air pollution.

<https://www.ndtv.com/delhi-news/delhi-approves-1-000-electric-buses-in-bid-to-fight-air-pollution-2001617>

Source: NDTV

Govt. asks EV makers to use 50% local content for benefit: Report

To promote local manufacturing of electric vehicles in India, the government has put localisation content limit for EVs makers to avail incentive benefit under the FAME II Initiative.

https://entrackr.com/2019/03/govt-ev-localisation-norms/?utm_campaign=fullarticle&utm_medium=referral&utm_source=inshorts

Source: Entrackr

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

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