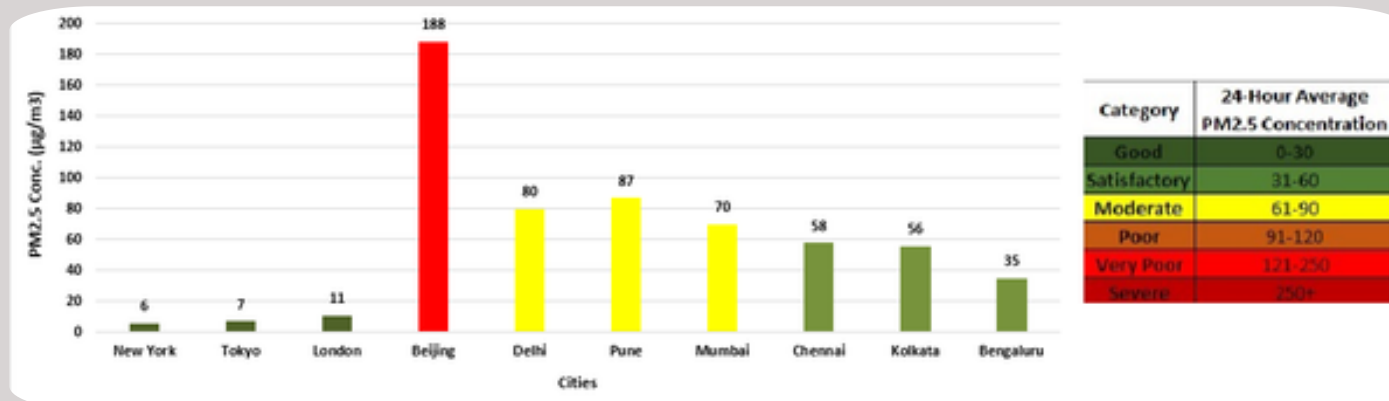


CERCA Weekly Newsletter



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

Air Quality in Different Cities

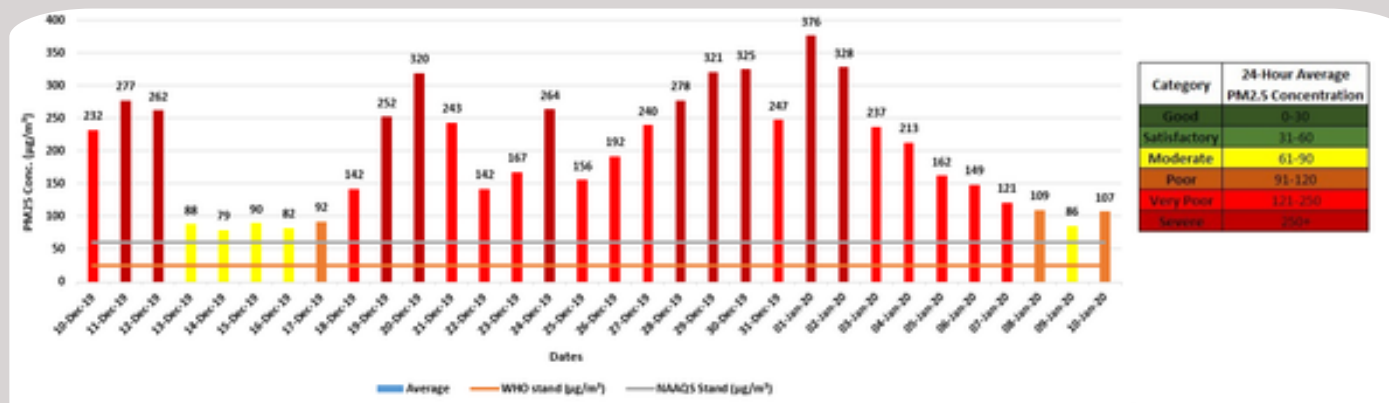


January 31, 2020, 11:00-12:00 IST (Hourly Average)

Sunlight, faster winds improve air quality in Delhi

Data Source: Berkeley Earth

"Delhi Air Quality" for last 30 days



Average PM 2.5 values for 10 Stations (Dilshad Garden, Shadipur, NSIT Dwarka, ITO, DTU, Siri Fort, Anand Vihar, Mandir Marg, R.K Puram and Punjabi Bagh)

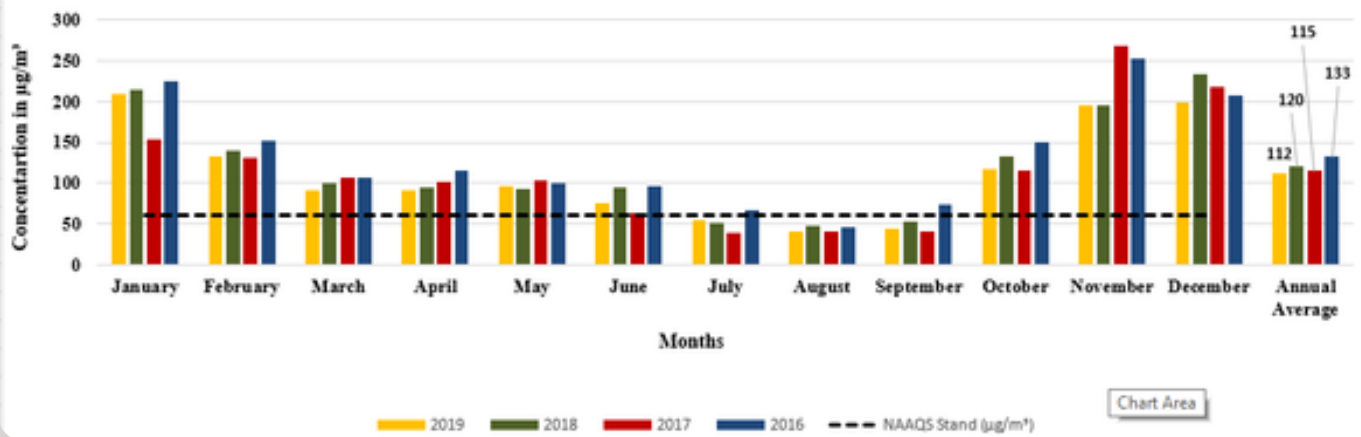
* WHO - World Health Organization

* NAAQS - National Ambient Air Quality Standards

During the last 30 days, Delhi Air Quality was in "Very Poor to severe" category.

Data Source: CPCB

Delhi Long Term Air Quality Trend



PM 2.5 values from 10 monitoring stations in Delhi (Dilshad Garden, Shadipur, NSIT Dwarka, ITO, DTU, Siri Fort, Anand Vihar, Mandir Marg, R.K Puram and Punjabi Bagh)

Note: Data for 2019 has been considered till the month of December 2019 only

* NAAQS - National Ambient Air Quality Standards

Average Air Quality has marginally improved in 2019 vis-a-vis 2018,2017 & 2016

Source: Data from 10 monitoring stations (CPCB)

Delhi Air Quality trend in terms of days from good to severe category



The graph represents the no. of days in each category i.e. Good to Severe for last three years (2016-2018). The no. of days in severe category reduced from 29 (2016) to 09 (2017) and then increased to 20 in 2018.

Air Quality Health Impacts

AQI	Associated Health Impacts
Good (0–50)	Minimal Impact
Satisfactory (51–100)	May cause minor breathing discomfort to sensitive people
Moderate (101–200)	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)	May cause breathing discomfort to people on prolonged exposure and discomfort to people with heart disease with short exposure
Very Poor (301–400)	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)	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



Source: NY Times

[Air Pollution, Evolution, and the Fate of Billions of Humans](#)

It's not just a modern problem. Airborne toxins are so pernicious that they may have shaped our DNA over millions of years.

New Measures and Initiatives



Source: The Hindu

[Punjab govt. to ban 15-year-old autorickshaws](#)

Department of Environment and Climate Change to ensure their replacement with electric, CNG vehicles.



[No effective steps taken to check industrial pollution in Malegaon: NGT](#)

The National Green Tribunal on Thursday said the Malegaon administration has failed to take effective steps for closure of polluting industries and sought a status report on the issue.

Source: *The Hindu*

Health Impact

ScienceDaily[®]

Even short-term exposure to low levels of air pollution can increase risk of cardiac arrest

Short-term exposure to air pollution is linked to a higher risk of sudden heart problems, especially among older people, according to a study published Monday.

Source: *CN Health*



Children around UK at risk from indoor air pollution, report warns

Children around the UK are at risk from potentially deadly air pollution in schools and homes because of a crucial gap in regulation.

Source: *Financial Times*

International Developments



Urban populations in south-east at greatest risk from air pollution

More than one in 19 deaths in Britain's largest towns and cities are linked to air pollution. With people living in urban areas in south-east England more likely to die from exposure to toxic air, according to a new study.

Source: *The Guardian*



Air pollution: Call for stricter rules in Wales

Wales need to do more to cut air pollution and meet stringent World Health Organisation (WHO) limits.

Source: *BBC News*

New Research (study) or Policy

Mumbai air pollution: In just 2 weeks, lungs



Source: Times of India

installation turns black

HEPA (high efficiency particulate air) filter lungs installation at Bandra has changed in colour from chalk white to black in two weeks.



Source: Guardian

Air pollution could kill 160,000 in next decade - report

The British Heart Foundation (BHF), which compiled the figures, said there are an estimated 11,000 deaths per year at the moment, but that this will rise as the population continues to age. It wants the UK to adopt World Health Organization (WHO) guidelines on air pollution and meet them by 2030.

New Technology



Source: The Economic Times

Govt to invite bids for reallocation of subsidy for 2,000 e-buses in February

The government is expected to issue an expression of interest next month under the ongoing second phase of Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India (Fame India).



Source: The Economic Times (OH&S)

Tata launches 'ecosystem' to kickstart Indian clean vehicles

Tata Motors, Tata Chemicals, Tata Power and Tata Croma are pooling resources to build an EV ecosystem.

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

CONTACT US

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