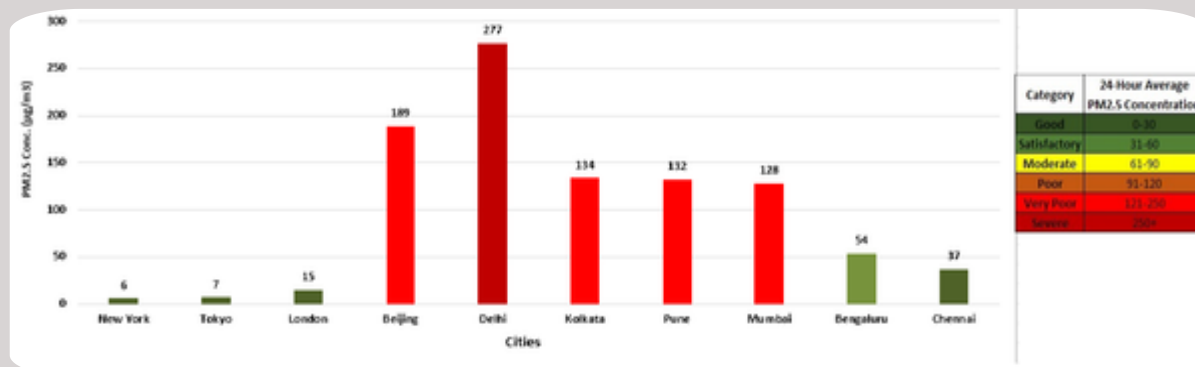


CERCA Weekly Newsletter



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

Air Quality in Different Cities

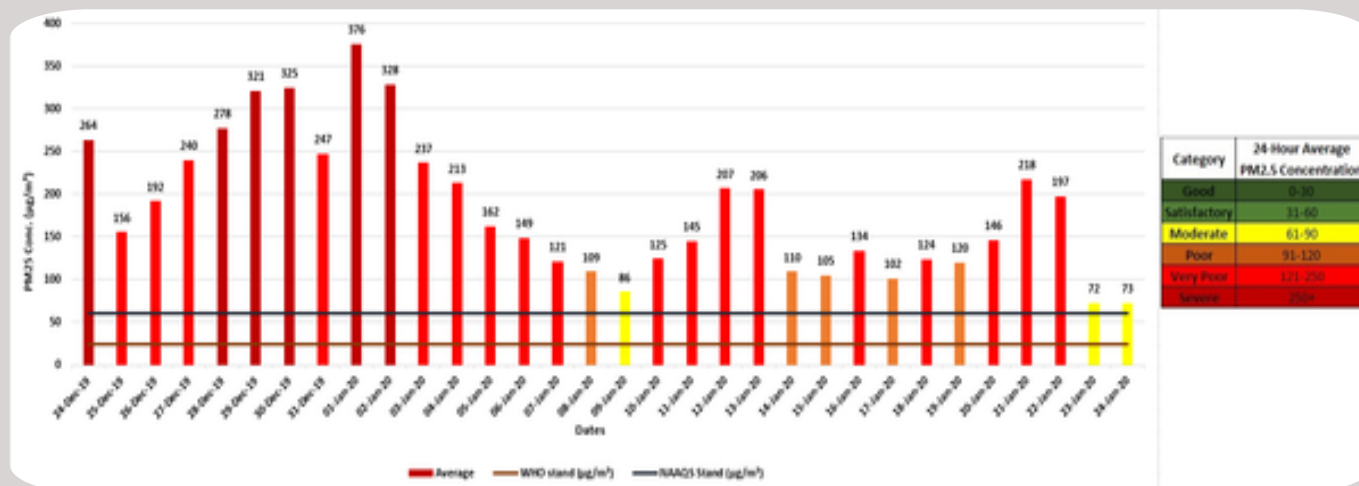


February 14, 2020, 11:00-12:00 IST (Hourly Average)

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)

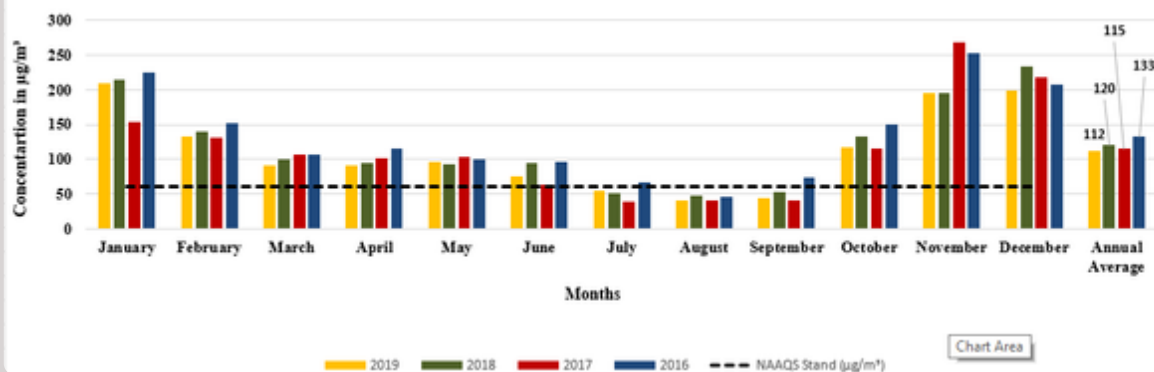
* WHO - World Health Organization

* 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)

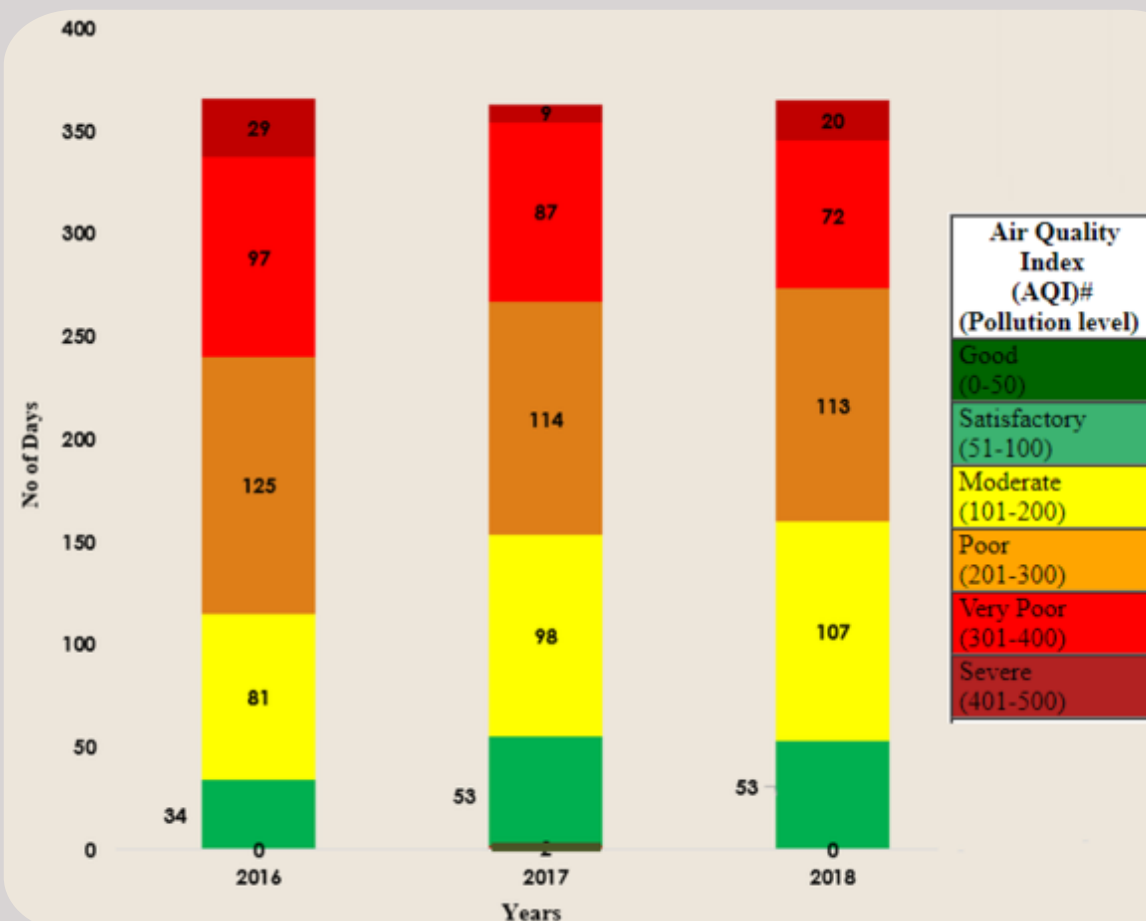
Note: Data for 2019 has been considered till the month of December 2019 only

* 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.

Source: CPCB

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: Dhaka Tribune

Time to clean our air

It is encouraging to know that the High Court has directed the Ministry of Public Administration to deploy five executive magistrates within a month, under the Department of Environment (DoE), to take necessary action against the rising air pollution.

New Measures and Initiatives



Source: Business Line

Mumbai to get Indias largest air quality monitoring network

The Brihanmumbai Municipal Corporation (BMC) will develop an air quality monitoring network across 90 locations in Mumbai. This will make it the largest network in India, as per a report.



Source: The Hindustan Times

Air pollution on Delhi governments agenda for first six months

The Delhi government AAP will kick off its term by mapping air pollution sources in real-time.

Health Impact

Living near highways linked to higher dementia risk

Researchers have revealed that living near major roads or



Source: *Hindustan Times*



Source: *Air Quality [news.com](#)*

International Developments

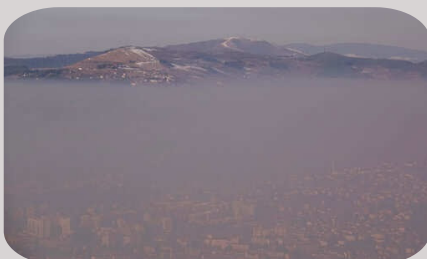


Source: *New Europe*



Source: *Democracy Now*

New Research (study) or Policy



Source: *The Times of India*

highways is linked to higher incidence of dementia, Parkinson disease, Alzheimer disease and multiple sclerosis.

Air pollution responsible for half of childhood asthma cases in Barcelona

Air pollution is responsible for nearly half of all childhood asthma cases in Barcelona, according to research published by the Barcelona Institute of Global Health (ISGlobal).

Commission calls on Romania, Greece and Malta to adopt national air pollution control programmes

Romania, Greece and Malta need to adopt their first national air pollution control programmes to limit their annual emissions, according to a warning issued by the European Commission

New York Has Highest Number of Premature Deaths from Out-of-State Air Pollution

A major new study on air pollution found that New York state has the largest number of premature deaths from out-of-state pollution.

Pollution from fossil fuels costing India Rs 10.7 lakh crore every year

Air pollution from burning of fossil fuels costs India Rs10.7 lakh crore annually, reveals a latest report.



Source: Times of India

New Technology



Source: The Economic Times



Source: The Economic Times (OH&S)

Like Delhi, Chandigarh plans to install air purifier towers.

While Chandigarh is in the list of 100 cities identified on the basis of level of pollutants such as NO₂, PM_{2.5} and PM₁₀ by the Central government for pollution reduction, the UT administration has now planned to install air purifier towers on the pattern of Delhi.

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).

With many new e-cars lined up in next 3 years, India's electric dream all set to take off

India e-vehicle dream is finally set to take off. Automakers are planning 15-20 new electric vehicles for launch in the next three years.

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

CONTACT US

Centre of Excellence for Research on Clean Air (CERCA)

Email: cerca@iitd.ac.in

Phone (Office): +91 (11) 2659 7361

Address: MS 207/ C 20, Indian Institute of Technology (IIT) Delhi, Hauz Khas,
New Delhi 110016, INDIA

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