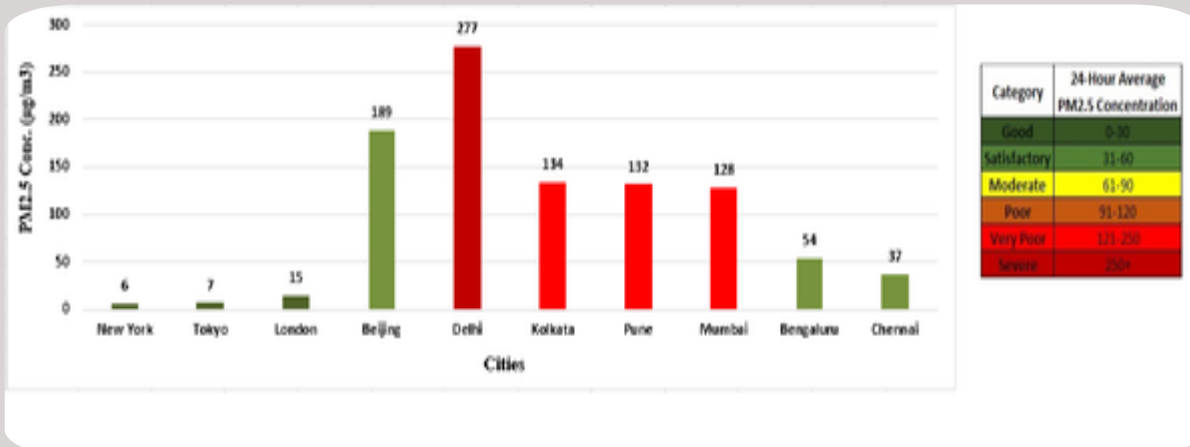


CERCA Weekly Newsletter



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

Air Quality in Different Cities

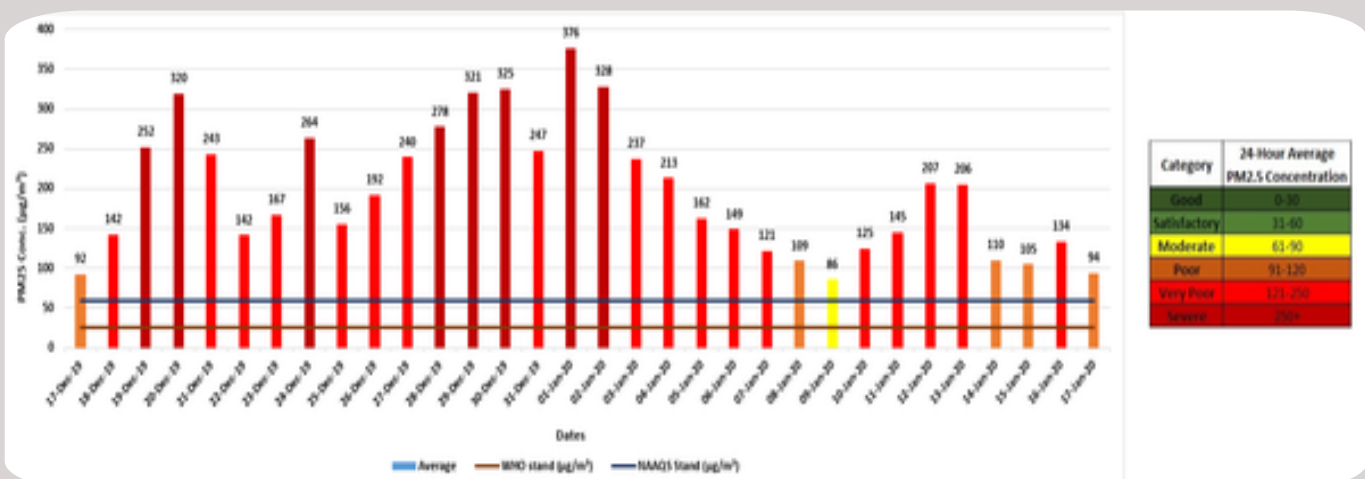


February 07, 2020, 11:00-12:00 IST (Hourly Average)

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)

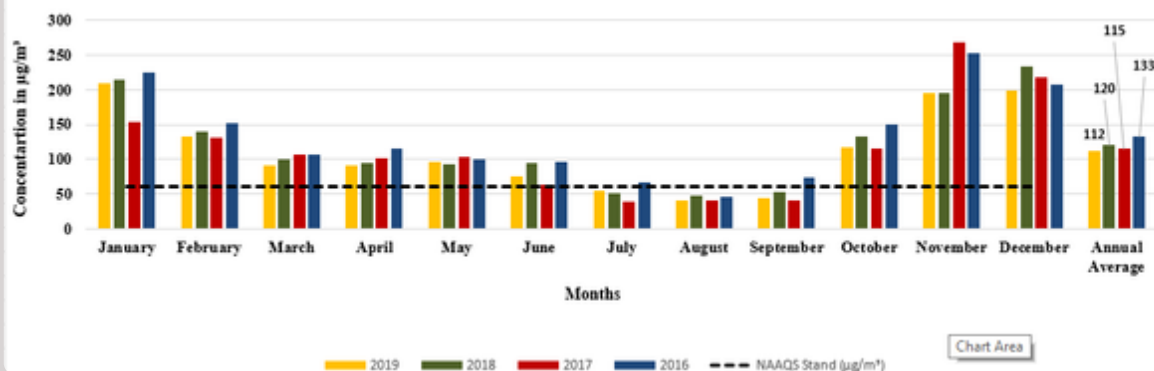
* WHO - World Health Organization

* 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)

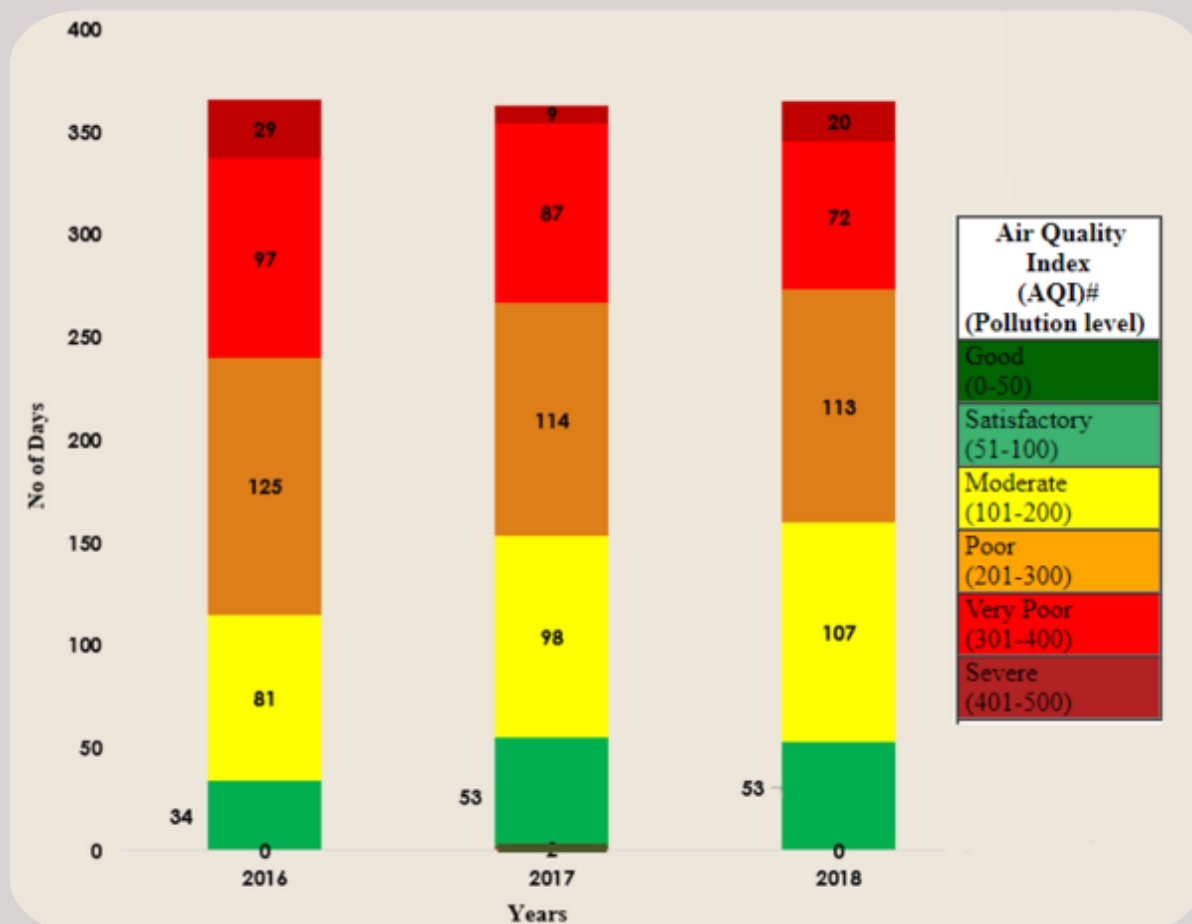
Note: Data for 2019 has been considered till the month of December 2019 only

* 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

New Measures and Initiatives

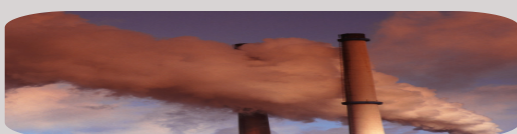


Source: Hindustan Times



Source: The Hindustan Times

Health Impact



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.

Budget 2020: Rs 4,400 crore for cleaning air

4,400 crore for National Clean Air Programme (NCAP) for the year 2020-21 in Union Budget 2020. Central government will also encourage states that are formulating and implementing plans for ensuring cleaner air in cities with above one million population.

Gurugram air poor despite stronger winds, rain; experts call for strict anti-pollution measures

Gurugram's overall air quality remained poor, as per the Central Pollution Control Board (CPCB) daily AQI bulletin, making experts call for concerted policy action to combat local sources of air pollution.

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*



Source: *Air Quality news.com*

International Developments

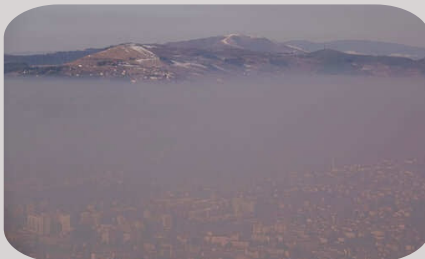


Source: *The Jakarta Post*



Source: *Bloomeberg Green*

New Research (study) or Policy



Source: *Times of India*



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 (IS Global).

Electric dream: Britain to ban new petrol and hybrid cars from 2035

Britain will ban the sale of new petrol, diesel and hybrid cars from 2035, five years earlier than planned, in an attempt to reduce air pollution that could herald the end of over a century of reliance on the internal combustion engine.

Serbs Protest for Clean Air After Topping Pollution Death List

Serbian activists are staging nationwide protests, demanding the government fight pollution after the Balkan state was ranked worst in Europe for deaths resulting from smog.

Mumbai air pollution: In just 2 weeks, lungs installation turns black

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

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



Source: The Economic Times (OH&S)

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's 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/>

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