

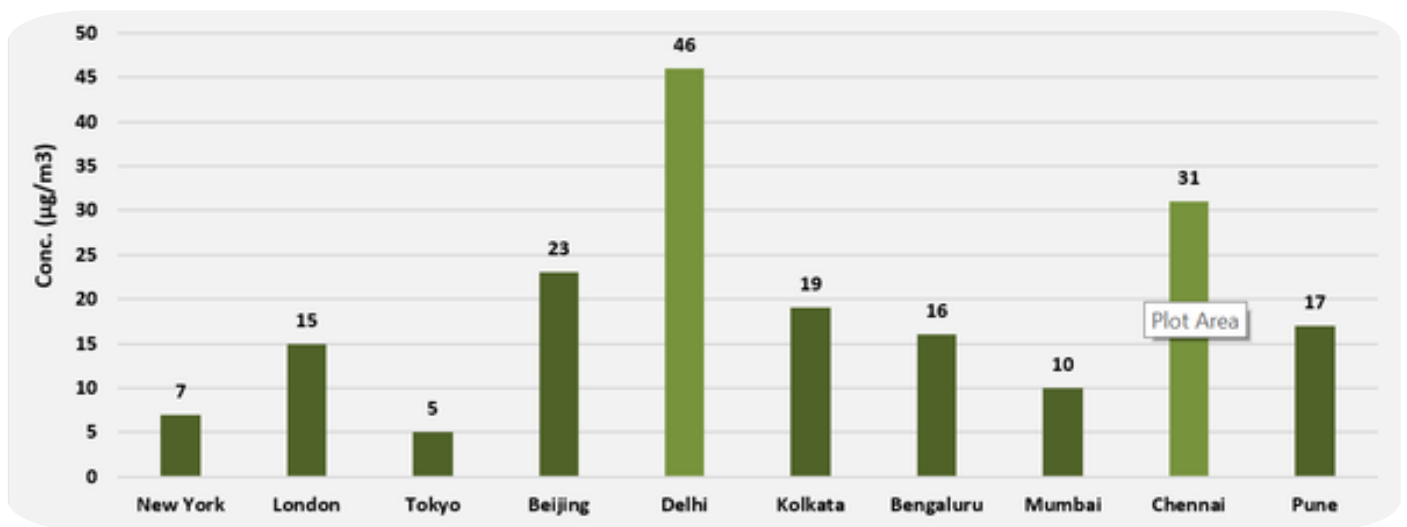
July 3, 2020

CERCA Weekly Newsletter



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

Air Quality in Different Cities

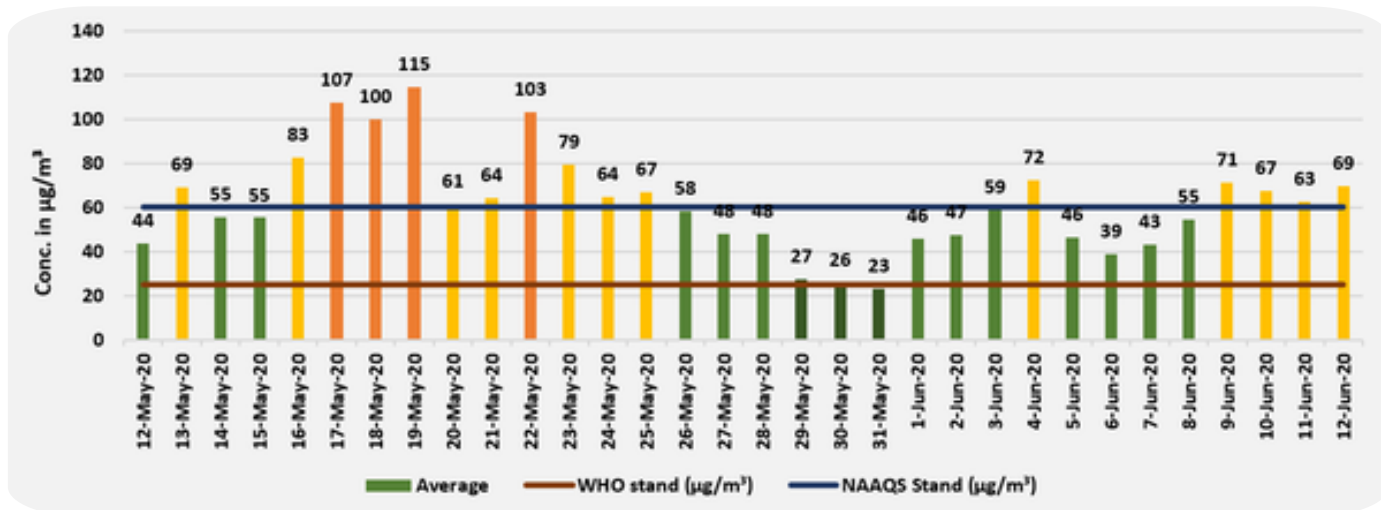


July 3, 2020, 03:00-04:00 IST (Hourly Average)

Delhi Air Quality was in 'Good' category.

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)

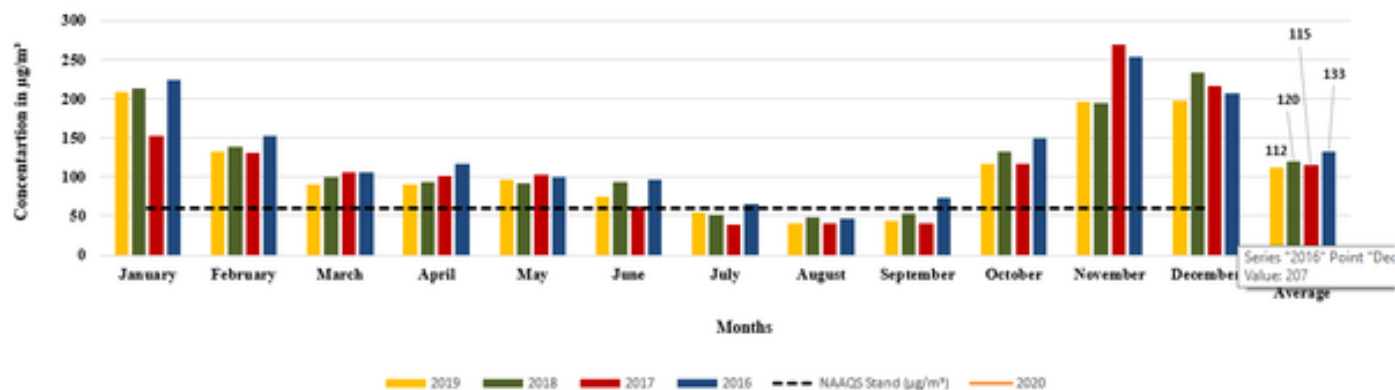
* WHO - World Health Organization

* NAAQS - National Ambient Air Quality Standards

During the last 30 days, Delhi Air Quality was in "Moderate to Satisfactory" 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 November 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: *The Hindu*

Opinion | No, the lockdown is not a green moment

COVID-19 and the consequent lockdown underscore the fact that equity has to be fundamental to improving the environment and is central to any vision of sustainable development.

New Measures and Initiatives



Maharashtra to get ₹793 crore for pollution control

Six cities in Maharashtra with a one million-plus population will receive ₹793 crore for controlling air pollution in 2020-21, the Maharashtra Pollution Control Board (MPCB) said.

Source: *Hindustan Times*

Mega green drive in Delhi aims to plant 3.1



Source: Hindustan Times

million saplings

Delhi environment minister Gopal Rai on Thursday said the government will launch a 17-day mega greening drive with a target of planting at least 3.1 million saplings across the national capital. The campaign aims at reducing overall pollution levels and increasing the green cover.

Health Impact



Source: The Print

Living in a city with high air pollution increases chances of being infected by Covid

Researchers have found that a large number of Covid-19 cases that result in death are found in areas with high levels of air pollution.



Source: UPI

Air pollution, heat linked to increased risk of premature birth

Pregnant women exposed to air pollution or heat waves face a greater risk of having a preterm or underweight baby, a new research review finds.

International Developments



Atmospheric processes likely caused puzzling haze over China during COVID-19 shutdown

New research indicates that significant enhancement of secondary aerosol formed in the atmosphere via gas-to-particle conversion, together with long-lasting regional transport, may be the cause of severe haze over China despite a dramatic reduction in emissions during the COVID-19 shutdown.

Source: Science daily



Source: Hindustan Times

New Research (study) or Policy



Source: India Climate Dialouge



Source: The Indian Express

New Technology



COVID-19 makes air pollution a top concern worldwide

At least two-thirds of people in countries home to a fifth of the world's population support stricter laws and enforcement to tackle air pollution, the Clean Air Fund said Wednesday.

Extreme heat and air pollution to rise rapidly in India

The frequency of days with both extreme heat and extreme air pollution could massively increase by 2050, and so would the number of people who will be affected by those days

Clean air can help minimise risks of Covid infections as the economy opens up

Prof. Dey is coordinator of Centre for Excellence for Research on Clean Air (CERCA) at IIT Delhi and Prof. Apte, assistant professor at the University of Berkeley, California penned down their thoughts regarding the impact of air pollution on co-vic infection as the country enters the unlock phase.

Post-coronavirus, India must shift EV goalposts, adopt available alternative fuels like auto LPG: Auto LPG Coalition

Indian Auto LPG Coalition, which has been highlighting the environmental benefits of transport fuel Auto LPG, stated that pushing the automobile sector singularly on shifting to the

Electric Vehicle space - particularly in the current situation will spell further doom for the sector.

Source: *The Economic Times*



Source: *Fleet News*

Budget 2020: Plug-in grant for electric vehicles cut

The plug-in grant for certain electric vehicles (EVs) has been cut with immediate effect, after funding was secured for another three years.

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

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