

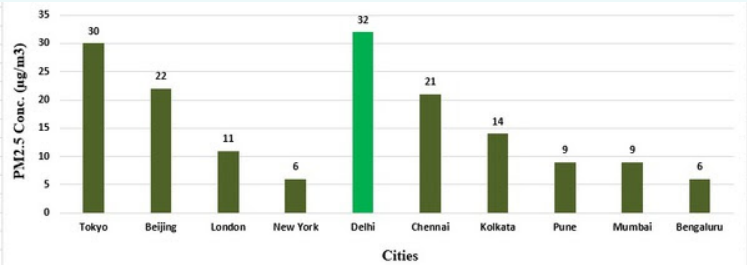
CERCA Weekly Newsletter

August 02, 2019

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

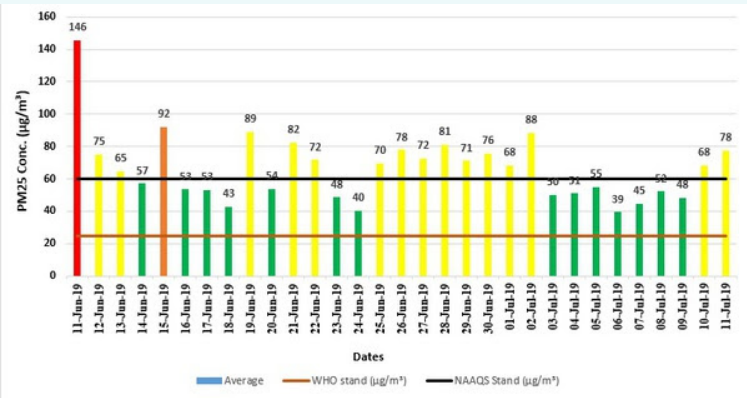


Air Quality in different cities



August 02, 2109, 2019, 11:00-12:00 IST (Hourly Average)
Data Source: Berkeley Earth

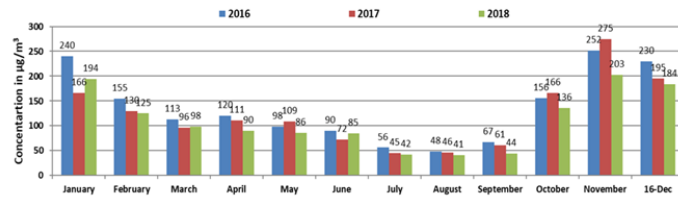
Delhi air quality for last 30 days



Average PM2.5 Air Quality for 10 stations in Delhi.

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

[Pollution blame game](#)

<https://mg.co.za/article/2019-06-28-00-editorial-pollution-blame-game>

Source: Mail & Guardian

New Measures and Initiatives

[New computer model can predict India's pollution levels months earlier](#)

The new model could allow the government to forecast aerosol pollution conditions in winter and accordingly improve plans for pollution control, researchers said.

<https://economictimes.indiatimes.com/news/science/new-computer-model-can-predict-indias-pollution-levels-months-earlier/articleshow/70446469.cms>

Source: Economic Times

[Switch to green fuel financial burden, say Gurugram's industry owners](#)

Industrialists have made three demands from the government — cheaper supply of piped gas, analyzing the economic viability of the switch, and allowing the use of bio fuels for industrial purposes.

<https://www.hindustantimes.com/gurugram/switch-to-green-fuel-financial-burden-say-gurugram-s-industry-owners/story-iG7AMRrOQ7u0iT8nAvP50I.html>

Source: Hindustan Times

Health Impact

[India and NIEHS partner to advance air pollution research](#)

A new memorandum of understanding will foster exchange of expertise and scientific collaborations regarding health effects of air pollution..

<https://factor.niehs.nih.gov/2019/8/science-highlights/india/index.htm>

Source: *Environmental Factor*

Air Pollution Big Health Concern for the US

Air quality in the US may be linked with increased mortality and reduced life expectancy according to new research.

<https://www.technologynetworks.com/applied-sciences/news/air-pollution-big-health-concern-for-the-us-322213>

Source: *Technology Networks*

International Developments

Reducing China's CO2 Emissions Would Curb Deadly Air Pollution in the U.S.

China's pledge to cut its carbon dioxide emissions beginning in 2030 includes a generous gift for its downwind neighbors: less deadly air pollution.

<https://www.scientificamerican.com/article/reducing-chinas-co2-emissions-would-curb-deadly-air-pollution-in-the-u-s/>

Source: *Scientific American*

Air pollutants from South Asia linked to glaciers melting

Atmospheric pollution has accelerated the glaciers melting in the world's Third Pole which covers the Tibetan Plateau and surroundings, as high levels of air pollutants are extending from South Asia.

<http://www.globaltimes.cn/content/1159909.shtml>

Source: *Global Times*

New Research (study) or Policy

Groundwater policies behind added air pollution in northwest India: Study

A measure to conserve groundwater in northwestern India is causing added air pollution in the region already beset by haze and smog, according to a study.

<https://economictimes.indiatimes.com/news/politics-and-nation/groundwater-policies-behind-added-air-pollution-in-northwest-india-study/articleshow/70463627.cms>

Source: *India Times*

Maruti bans for CNG, hybrid cars to reduce air pollution

Company is fully committed to helping the government's programme for reducing the consumption of oil and achieving cleaner environmental standards.

<https://www.moneycontrol.com/news/business/maruti-bats-for-cng-hybrid-cars-to-reduce-oil-imports-air-pollution-4280341.html>

Source: *Money Control*

New Technology

India has game plan for electric vehicles: NITI Aayog CEO

India has put in place a game plan for electric vehicles (EV) and its components like batteries to ensure clean cities, reduce imports and utilise solar power.

<https://economictimes.indiatimes.com/industry/auto/auto-news/india-has-game-plan-for-electric-vehicles-niti-aayog-ceo/articleshow/70410463.cms>

Source: *Economic Times*

Electric vehicles makers welcome duty reduction

The auto industry on Saturday welcomed the reduction in GST on electric vehicles (EVs) and chargers, saying it will help in creating an ecosystem that will encourage faster mass adoption of eco-friendly mobility.

<https://economictimes.indiatimes.com/industry/auto/auto-news/electric-vehicles-makers-welcome-duty-reduction/articleshow/70407883.cms>

Source: Economic Times

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

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