

CERCA Weekly Newsletter

July 26, 2019

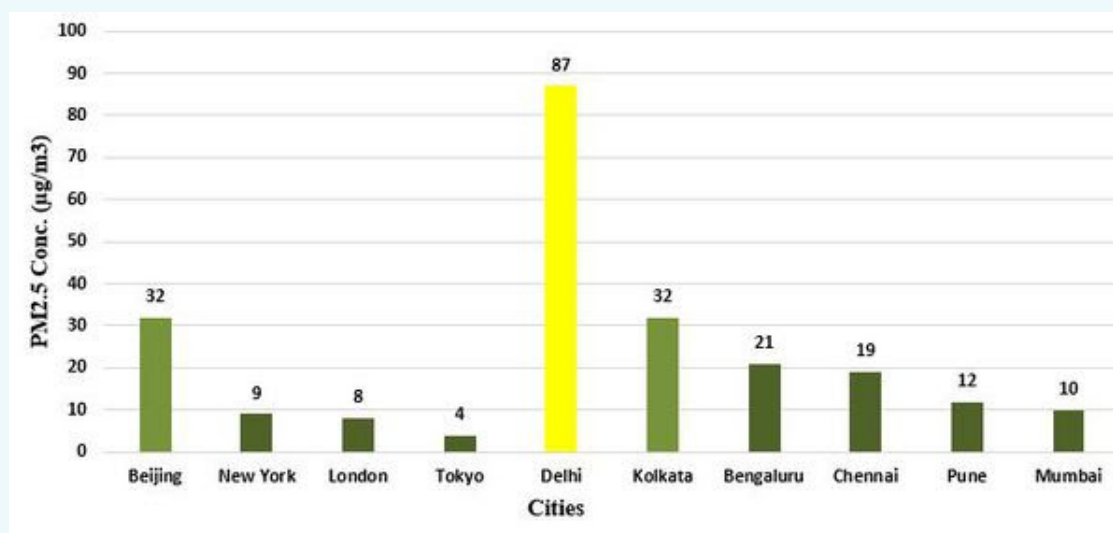
Centre of Excellence for Research on Clean Air



Indian Institute of Technology, Delhi



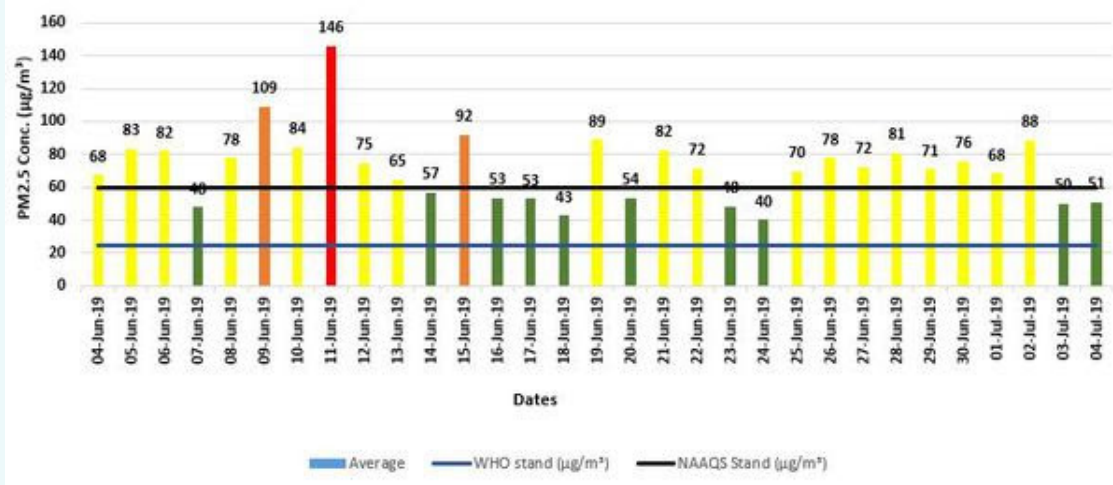
Air Quality in different cities



July 26, 2019, 11:00-12:00 IST (Hourly Average)

Data Source: Berkeley Earth

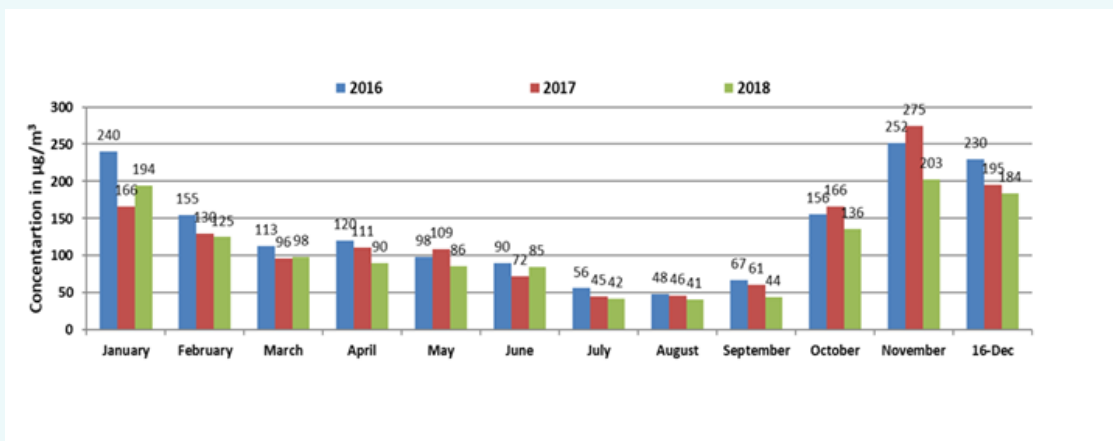
Delhi air quality for last 30 days



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

Clean Air Initiative: UN asks nations to align climate change, air pollution policies by 2030

The United Nations on Tuesday announced a global 'Clean Air Initiative', calling on governments to join it by voluntarily committing to achieve safe air quality for citizens.

<https://timesofindia.indiatimes.com/india/clean-air-initiative-un-asks-nations-to-align-climate-change-air-pollution-policies-by-2030/articleshow/70351581.cms>

Source: Times of India

IIT Kanpur, Ericsson partner to tackle Delhi's air pollution

The Indian Institute of Kanpur (IIT Kanpur) and Ericsson will together deploy an NB-IoT (narrowband internet of things) based sensor network to monitor air pollution in Delhi.

<https://www.livemint.com/news/india/iit-kanpur-ericsson-partner-to-tackle-delhi-s-air-pollution-1564036920341.html>

Source: Livemint

Health Impact

Mother's exposure to pollution may lead to shorter babies: Study

At least 200,000 children born between February 2010 and December 2015, noted the highest decline in height in children born between November and January, when the pollution levels in the country are at the peak.

<https://www.hindustantimes.com/india-news/mother-s-exposure-to-pollution-may-lead-to-shorter-babies-study/story-8kNtc7ZuJrM3xr9R7sBQcl.html>

Source: *Hindustan Times*

Air pollution may have killed 30,000 people in a single year, study

More than 30,000 deaths in the United States in a single year may have been caused by air pollution.

<https://edition.cnn.com/2019/07/23/health/air-pollution-us-deaths-study/index.html>

Source: *Edition CNN*

International Developments

EU asks court to force Spain, Bulgaria to tackle air pollution

Spain exceeded limits of nitrogen dioxide, specifically in the two big cities of Madrid and Barcelona.

<https://indianexpress.com/article/world/eu-asks-court-to-force-spain-bulgaria-to-tackle-air-pollution-5852154/>

Source: *Indian Express*

By cutting ozone pollution now, China could save 330,000 lives by 2050

If China takes strong measures to reduce its ozone pollution now, it could save hundreds of thousands of lives in the long run, according to a new study.

<https://www.sciencedaily.com/releases/2019/07/190716151358.htm>

Source: *Science Daily*

New Research (study) or Policy

CPCB asks agencies to identify vacant plots, take action

CPCB has directed all government agencies, including civic bodies, to identify vacant land under their jurisdiction used for illegal dumping of C&D waste.

<https://www.hindustantimes.com/cities/cpcb-asks-agencies-to-identify-vacant-plots-take-action/story-vwn2sd4TmoCj2VduzgKxfL.html>

Source: *Hindustan Times*

Close polluting units in 3 months: NGT

NGT has directed the CPCB to shut down polluting industries in "critically polluted" and "severely polluted" areas across the country within three months, saying that economic development cannot take place at the cost of public health.

<https://timesofindia.indiatimes.com/india/close-polluting-units-in-3-months->

Source: Times of India

New Technology

Transport Ministry urges states to incentivize EVs, promote them for shared mobility

States have also been asked to encourage induction of electric vehicles in shared mobility and public transport operations.

<https://economictimes.indiatimes.com/industry/auto/auto-news/transport-ministry-urges-states-to-incentivise-evs-promote-them-for-shared-mobility/articleshow/70279763.cms>

Source: Economic Times

Hyundai Motor developing mass market electric car for India

Korean automobile major Hyundai Motor is developing an electric vehicle for the mass market and will launch it in a couple of years' time.

<https://economictimes.indiatimes.com/industry/auto/auto-news/hyundai-motor-developing-mass-market-electric-car-for-india/articleshow/70374784.cms>

Source: Economic Times

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

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