

[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)

Follow Us:

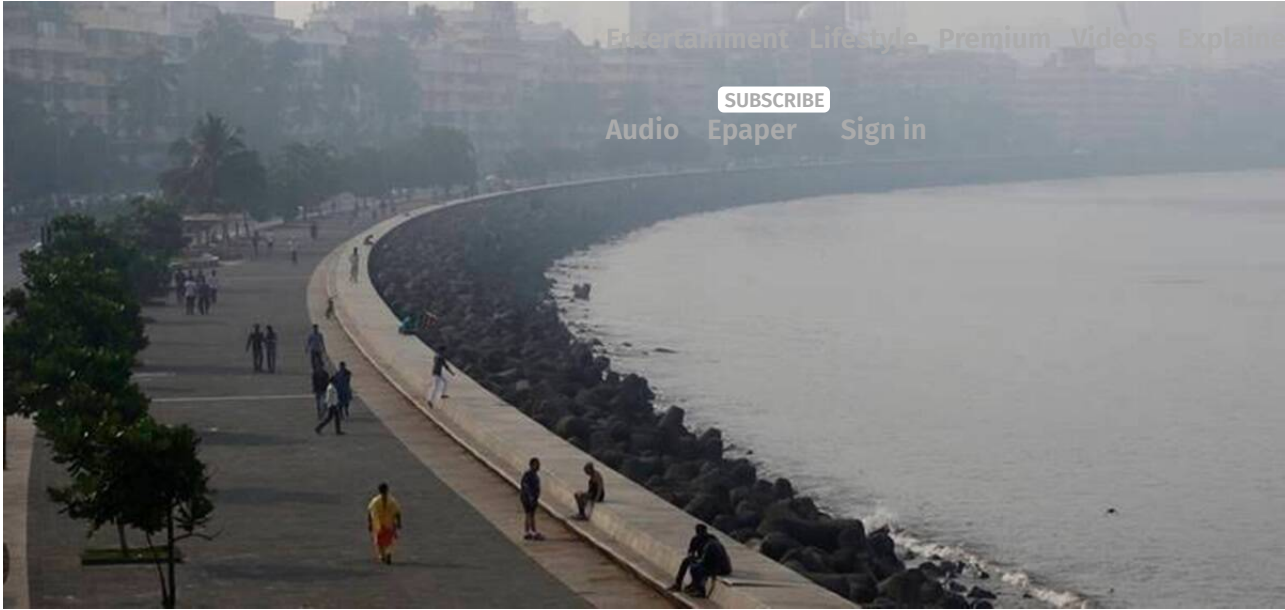
**The Indian EXPRESS** [Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)Thursday, Jan 20, 2022 [SUBSCRIBE](#) [22](#)
[Audio](#) [Epaper](#) [Sign in](#)[Home](#) / [Cities](#) / [Mumbai](#) / Deteriorating air quality becoming a matter of concern for Maharashtra: Study

Deteriorating air quality becoming a matter of concern for Maharashtra: Study

Even though most cities in the state recorded a drop in pollution levels during the early months of 2020 when a strict lockdown was enforced, a rising trend in annual Particulate Matter 2.5 levels has been recorded since then.

Written by [Sanjana Bhalerao](#) | Mumbai |

Updated: January 19, 2022 9:34:13 pm



The study analysed 40 continuous ambient air quality monitoring stations (CAAQMS) in Maharashtra -- one each in Aurangabad, Kalyan, Nagpur, Nashik and Solapur, two in Chandrapur, four in Navi Mumbai, eight in Pune, and 21 in Mumbai. (File)

Despite geographical advantages and favourable meteorology, air pollution is rapidly becoming a matter of concern in Maharashtra, a new analysis of regional air pollution levels by the Centre for Science and Environment (CSE), a New Delhi-based research and advocacy organisation, has found.

Even though most cities in the state recorded a drop in pollution levels during the early months of 2020 when a strict lockdown was enforced, a rising trend in annual Particulate Matter 2.5 levels has been recorded since then.

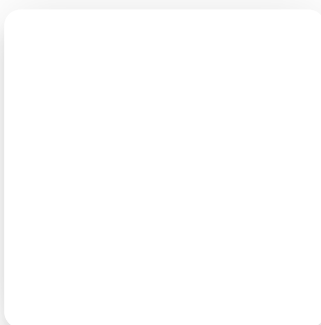
Daily Air Quality Index (AQI) analysis based on the 10 oldest stations in Mumbai showed a 20 per cent drop in the number of good AQI days between 2019 and 2021 even as days with poor or very poor AQI have doubled. AQI is a mean of pollutants such as particulate matter (PM2.5 and PM10), ozone (O3), nitrogen dioxide (NO2), sulphur dioxide (SO2) and carbon monoxide (CO) emissions as a single value. The higher the AQI value, the greater the level of air pollution and greater the health concern.

[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)[Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)[SUBSCRIBE](#)[Audio](#) [Epaper](#) [Sign in](#)

The study analysed 40 continuous ambient air quality monitoring stations (CAAQMS) in Maharashtra — one each in Aurangabad, Kalyan, Nagpur, Nashik and Solapur, two in Chandrapur, four in Navi Mumbai, eight in Pune, and 21 in Mumbai.

In December 2021, the stations in south Mumbai recorded significantly higher PM_{2.5} levels compared to the rest of the city. Mazgaon with a monthly average of 134 ug/m³ was the most polluted area, followed by Navy Nagar in Colaba (124 ug/m³), Kurla (101 ug/m³), Vile Parle West (101 ug/m³) and Worli (97 ug/m³). Khindipada at the edge of Sanjay Gandhi National Park in the western suburbs, with a monthly average of 54 ug/m³, was the least polluted area in the city.

According to the 2009 National Ambient Air Quality Standards, the annual safety limit of PM_{2.5} is 40 micrograms/cubic metre. Made up of hundreds of chemicals, PM 2.5 pollutants are emitted into the air by construction sites, unpaved roads, fields, smokestacks, fires, power plants, factories and automobiles.



Mumbai's Covid dip, gaps in NREGA, and a Muslim man force...

Jan 20 • 3 Things

[Follow](#)

26:32



Winter pollution sets during late December and early January when cooler and calmer conditions trap the local pollution, which is high. Starting mid-November


[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)
[Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)
[SUBSCRIBE](#)
[Audio](#) [Treasure](#) [Espion](#)

“Even though winter pollution levels in the western region are not as high (as that seen in the Indo-Gangetic Plains) due to its proximity to the sea and improved ventilation, the levels have been seen to be increasing despite the geographical advantages and favourable meteorology,” read the analysis.

The study has also highlighted gaps in the data from monitoring stations. For instance, in Mumbai, CSE found that Kurla station had only 55 per cent data while Malad West came up with 68 per cent. Kalyan and Aurangabad were data-deficient as well, with 66 per cent and 43 per cent data availability, respectively. Only one out of eight stations of Pune meet the minimum requirement – the city’s stations have a data availability of less than 75 per cent.

MUMBAI NEWS

1 [Mumbai: CR, WR send eviction notices to people encroaching rail premises](#)

2 [Bombay HC to hear ex-information commissioner’s revision plea on February 1](#)

3 [25 years on, retired inspector, wife & son among 7 convicted in corruption case](#)

[More from Mumbai](#)



Get the latest news and updates from Mumbai in your inbox, daily

Subscribe

 ***The Indian Express is now on Telegram. Click [here](#) to join our channel (@indianexpress) and stay updated with the latest headlines***

For all the latest [Mumbai News](#), download [Indian Express App](#).

 **NewsGuard**



The Indian Express website has been rated GREEN for its credibility and trustworthiness by NewsGuard, a

[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)[Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)**TAGS:** [Mumbai](#)[SUBSCRIBE](#)[Audio](#) [Epaper](#) [Sign in](#)

Wants To Grow Your Ecommerce Sales? Hire Us!

CodeCL Professional Ecommerce Marketing Agency. We ensure our clients get the best service in driving their online marketing campaigns to create an enduring e-commerce brand with increased sales.

CodeCL | Sponsored

ADVERTISEMENT

LIVE BLOG

**Assembly Election 2022 Live Updates:
Kejriwal to begin 2-day Chandigarh visit**

39 mins ago

**Karnataka Bengaluru News Live: 40 cops
deployed for Congress' Makedatu march
test Covid positive**

42 mins ago

**Mumbai News Live: City reports 31 Omicron
cases in 24 hours, test positivity rate drops
to 10%**

1 hour ago

**Market Live Updates: Sensex slips over 150
points in early deals, Nifty dips below
17,900-mark**

1 hour ago


[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)

[Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)
[SUBSCRIBE](#)
[Audio](#) [Epaper](#) [Sign in](#)

BEST OF EXPRESS



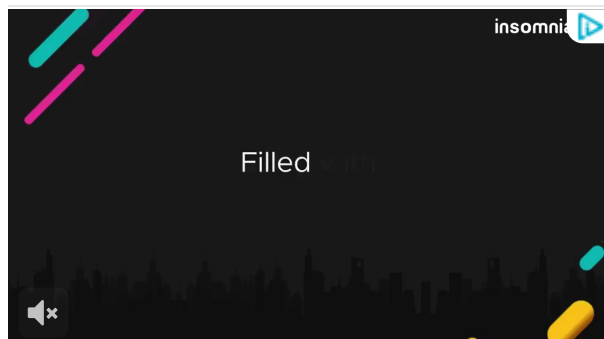
Solo act: On Akhilesh stage, a gradual fading out of the family



Durga hymn to Bhojpuri rap to Sri Lankan melody rip-off: Music, message and more of UP poll campaign songs



Entertainment
'I am a risk-taker, have no other option': Ayushmann Khurrana decodes his 10-year film career, and the one that started it all



Here is a glimpse of our journey...

Sponsored by **Insomniacs**

[See more](#)

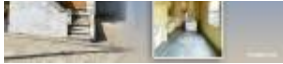

Entertainment
Netflix series Arcane is one of the best video game adaptations ever made, and its own

unique beast



Trending
'Real-life love birds': Netizens can't stop swooning over these candid shots of two

owlets


[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)


won't believe its selling price

[Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)


Sports

No respite after Test series defeat as KL Rahul's ODI captaincy debut ends in 31-run loss

loss

SUBSCRIBE

[Audio](#)

[Epaper](#)

[Sign in](#)



Sports

Under-19 World Cup: 4 India players, including skipper Yash Dhull, test positive



Opinion

In Goa, a season of defections



Explained: The debate over marital rape



Lifestyle

Sharvari Wagh effortlessly aces ethnic fashion; check out her latest looks



Technology

Lenovo Smart Clock 2 review: Your new bedside companion

ADVERTISEMENT

[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)

No respite after Test series defeat as KL Rahul's ODI captaincy debut ends in 31-run loss

[Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)[SUBSCRIBE](#)[Audio](#)[Epaper](#)[Sign in](#)[Sports](#)

Under-19 World Cup: 4 India players, including skipper Yash Dhull, test positive

[Sports](#)

Sania signals end to pioneering journey

[Technology](#)

Lenovo Smart Clock 2 review: Your new bedside companion

[Technology](#)

The most iconic PlayStation consoles of all time

[Technology](#)

Xiaomi 11T Pro launched in India: All you need to know

[Lifestyle](#)

Sharvari Wagh effortlessly aces ethnic fashion; check out her latest looks


[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)
[Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)
[SUBSCRIBE](#)
[Audio](#) [Epaper](#) [Sign in](#)

BUZZING NOW



owlets

Trending

'Real-life love birds':
Netizens can't stop
swooning over these
candid shots of two



Trending

This is the 'worse house
on the best block'. You
won't believe its selling
price



Trending

Pushpa: The Rise bug
bites I&B ministry,
Hyderabad cops. Check
their memes



Trending

Emirates has a new Burj
Khalifa ad. It has a new
twist this time



Trending

Mexican TV anchor
loses cool on air, wins
the internet with anti-
vaxxer tirade

ADVERTISEMENT

[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)[Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)[SUBSCRIBE](#)
[Audio](#) [Epaper](#) [Sign in](#)

TRENDING NEWS

Horoscope	Omicron Coronavirus Latest News	India News	Art & Craft Classes For Kids
Fitness Classes For Kids	Dance Classes For Kids	Entertainment News	UPSC News
Coronavirus Omicron India LIVE	Karnataka Bengaluru News Live	Delhi News Live	Election 2022 LIVE Updates
Chennai Live News	CS Result 2022 LIVE Updates	IND Vs SA Live Score	Mumbai News Live

FOLLOW US



DOWNLOAD APPS



The Indian Express website has been rated GREEN for its credibility and trustworthiness by Newsguard, a global service that rates news sources for their journalistic standards.

EXPRESS GROUP

[The Indian Express](#)[ieTamil.com](#)[The Financial Express](#)[ieBangla.com](#)[Loksatta](#)[ieMalayalam.com](#)[Jansatta](#)[inUth](#)[The ExpressGroup](#)[MyInsuranceClub](#)[Newsletters](#)[26/11 Stories of Strength](#)[Ramnath Goenka Excellence in Journalism Awards](#)[Online Classes for Kids](#)



[Home](#) [India](#) [World](#) [Cities](#) [Opinion](#) [Sports](#)

[T&C](#)

[Advertise with Us](#)

[Contact Us](#)

[Statutory provisions on reporting \(sexual offenses\)](#)

[Privacy Policy](#)

[Entertainment](#) [Lifestyle](#) [Premium](#) [Videos](#) [Explained](#)

[Brand Solutions](#)

[SUBSCRIBE](#)

[Audio](#) [E-paper](#) [Subscribe](#) [Sign in](#)

[This website follows the DNPA's code of conduct](#)