Respirer Living Sciences

Respirer Reports' Air Quality Analysis as of 10 am on 3.11.2023

Headline takeaways

Delhi was blanketed with haze for the second consecutive day today. PM 2.5 pollution rose above the 500 micrograms/cubic metre mark in the heart of the city. One location in the capital saw PM 2.5 rise above 500, while two areas were only slightly below 500.

Eight of Delhi-NCR's top 10 most polluted places – where there's a reference-grade monitor located – in the last 24 hours were in Delhi.

- Mundka in West Delhi was the most polluted, with a PM 2.5 concentration of 516.2 micrograms/cubic metre.
- Punjabi Bagh, also in West Delhi, was at second place, with a PM 2.5 level of 496.9.
- At third place was R. K. Puram in South West Delhi, with PM 2.5 at 489.5. At fourth and fifth places were Wazirpur and Bawana in North West Delhi, with PM 2.5 at 483.2 and 486, respectively.
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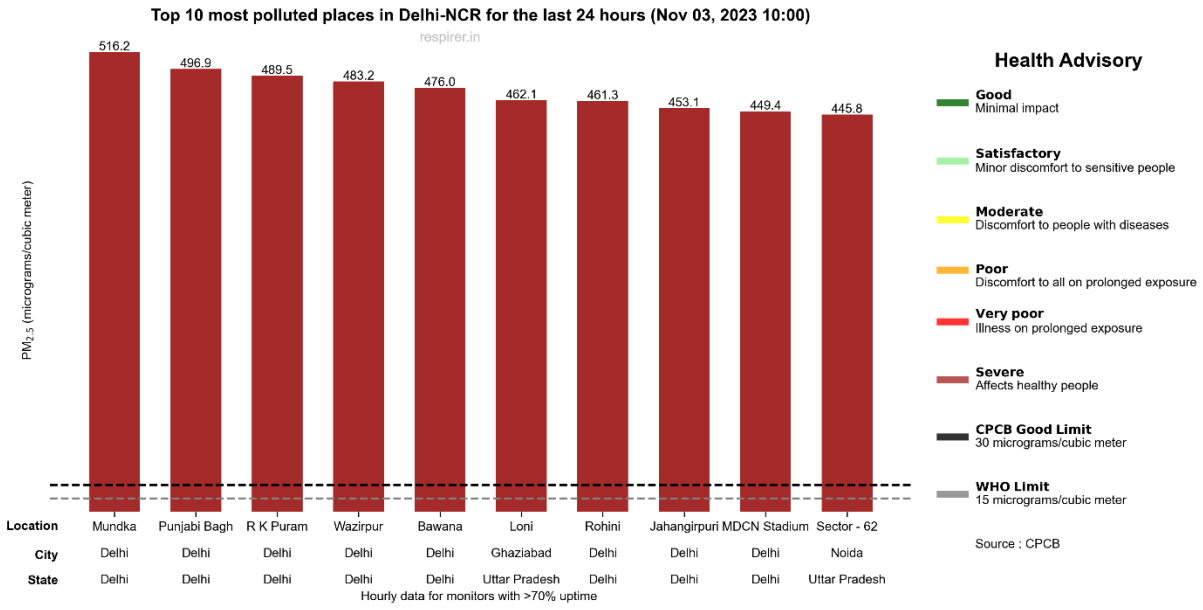
[See **Top 10 most polluted places in Delhi-NCR for the last 24 hours (Nov 03, 2023 10:00)** below]



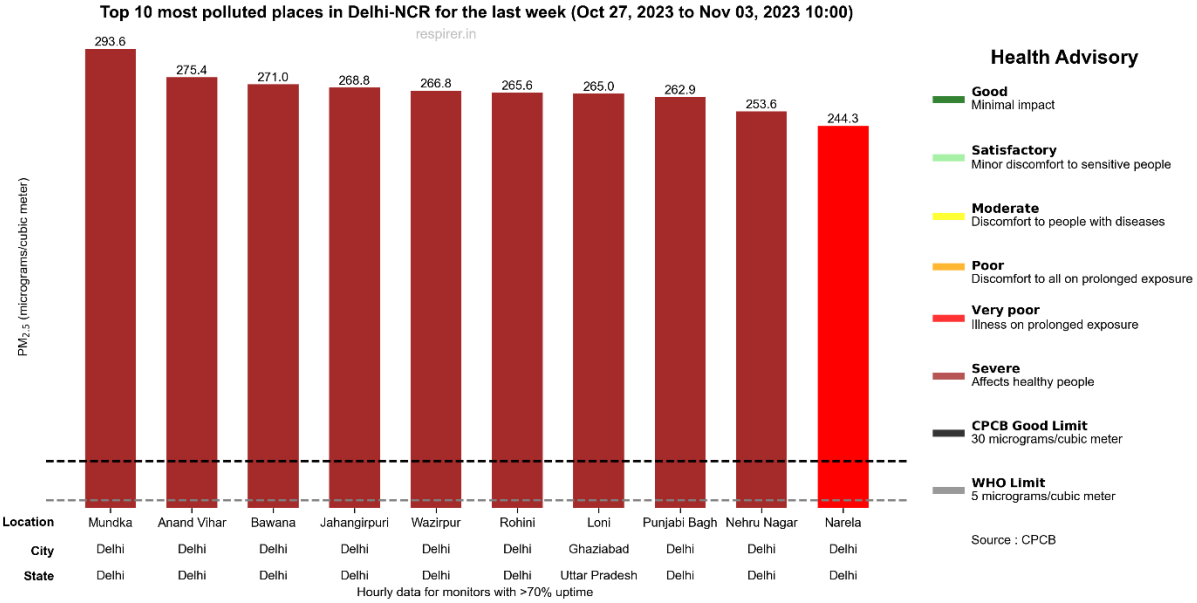
A look at seven-day average of PM 2.5 levels in Delhi-NCR shows similar results.

Nine of the top 10 most polluted places in the region were in the 'severe' category, that is, with PM 2.5 above 250 micrograms/cubic metre.

Their PM 2.5 readings were 48 to 58 times the WHO safe limit of 5 micrograms/cubic metre.

And eight of these top 10 places were in Delhi.

[See **Top 10 most polluted places in Delhi-NCR for the last week (Oct 27, 2023 to Nov 03, 2023 10:00)** below]



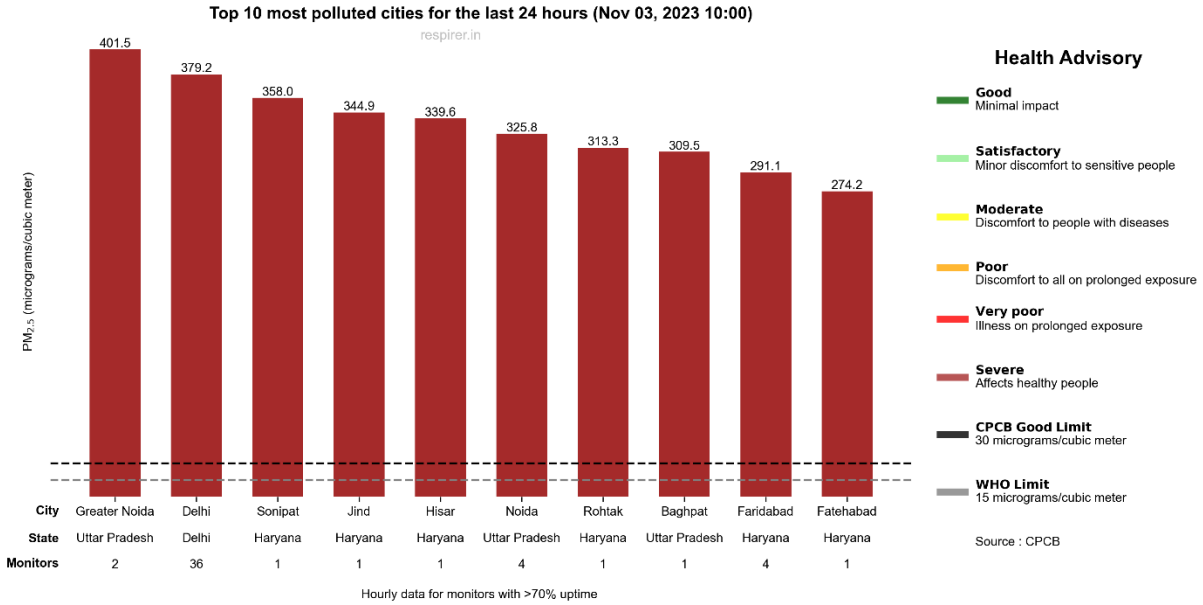
Top 10 most polluted cities all had ‘severe’ AQ

Despite the ‘severe’ PM 2.5 levels in the national capital, Greater Noida in Uttar Pradesh was the most polluted city in the country, with an average PM 2.5 concentration of 401.5 micrograms/cubic metre.

Delhi was a close second with the average daily PM 2.5 at 379.2 and Sonipat in Haryana was third with PM 2.5 at 358.

Apart from the capital, there are three cities from Uttar Pradesh and six from Haryana.

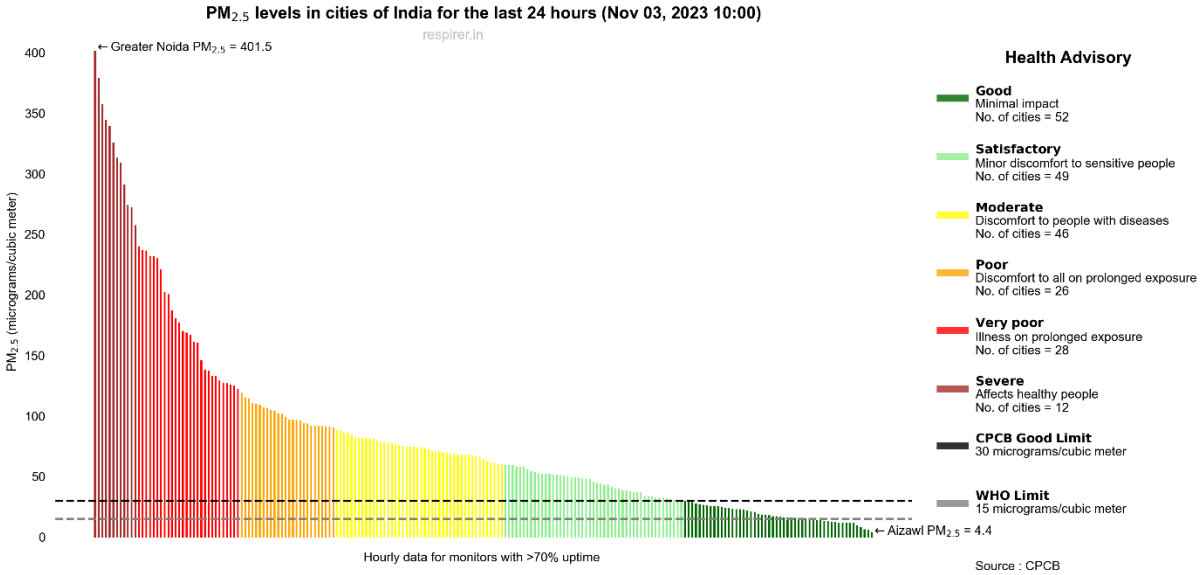
[See **Top 10 most polluted cities for the last 24 hours (Nov 3, 2023 10:00)** below.]



Air Quality across India

The number of cities with ‘severe’ air quality shot up to 12 compared to just 1 two days ago.

UP’s Greater Noida replaced Rajasthan’s Hanumangarh as the most polluted city India in the last 24 hours, while Mizoram’s Aizwal was once again the least polluted city.

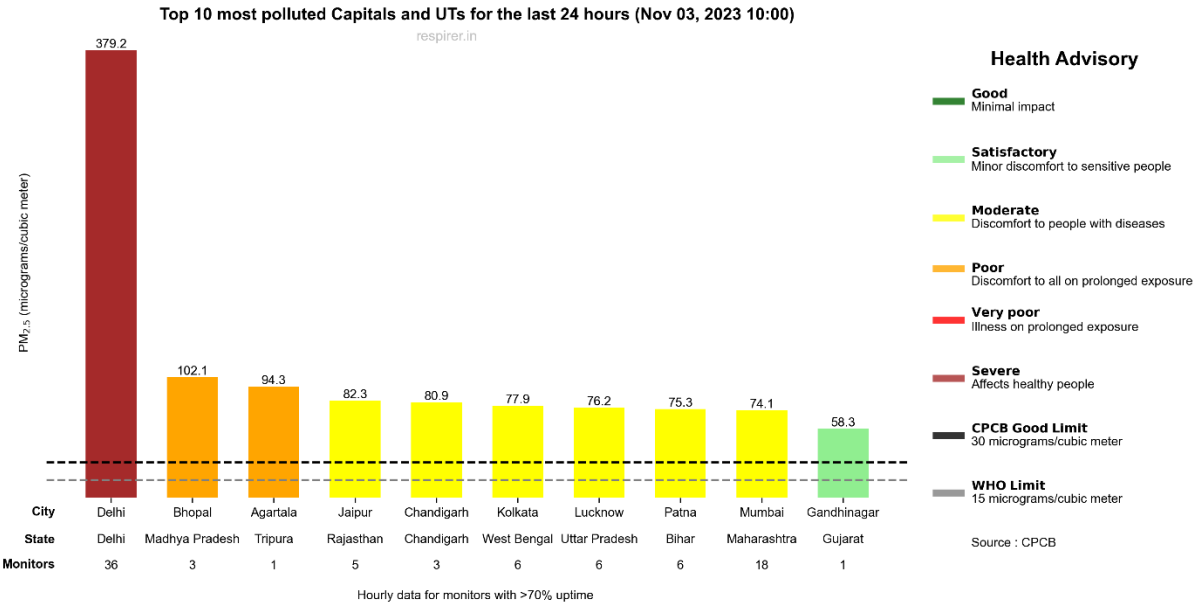


AQ in Capitals & UTs

Delhi was still the most polluted state capital in the last 24 hours, but Bhopal, which was at third place on November 2, climbed up to second place today, its PM 2.5 inching up to 102.1 micrograms/cubic metre.

Chandigarh, which was at third place yesterday, was replaced by Agartala today.

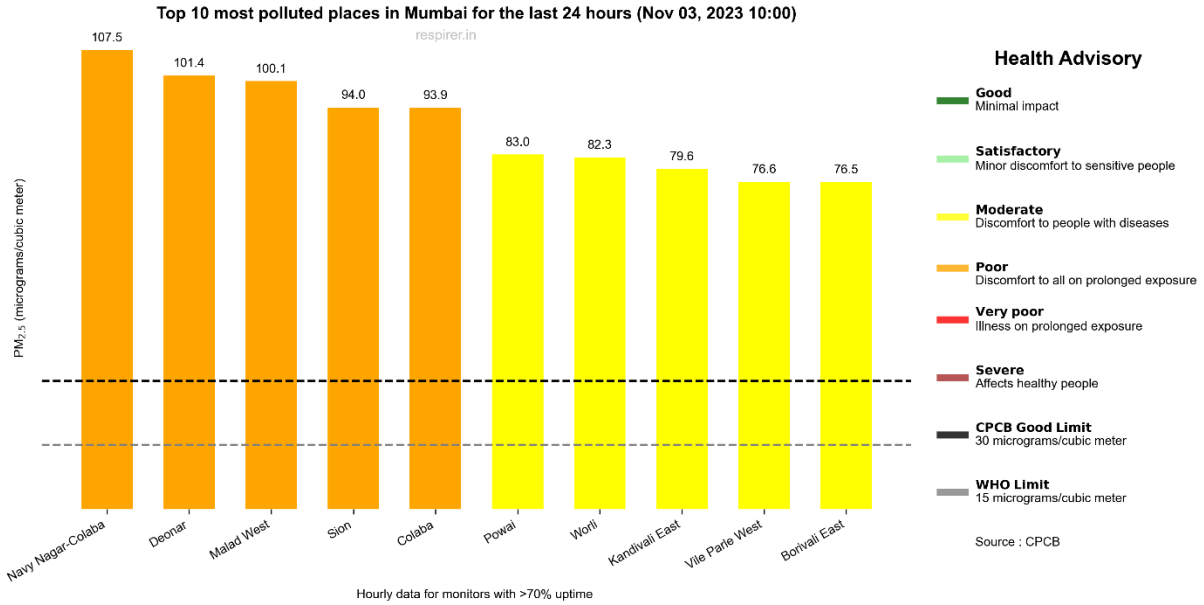
[See **Top 10 most polluted Capitals & UTs for the last 24 hours (Nov 3, 2023 10:00)** below.]



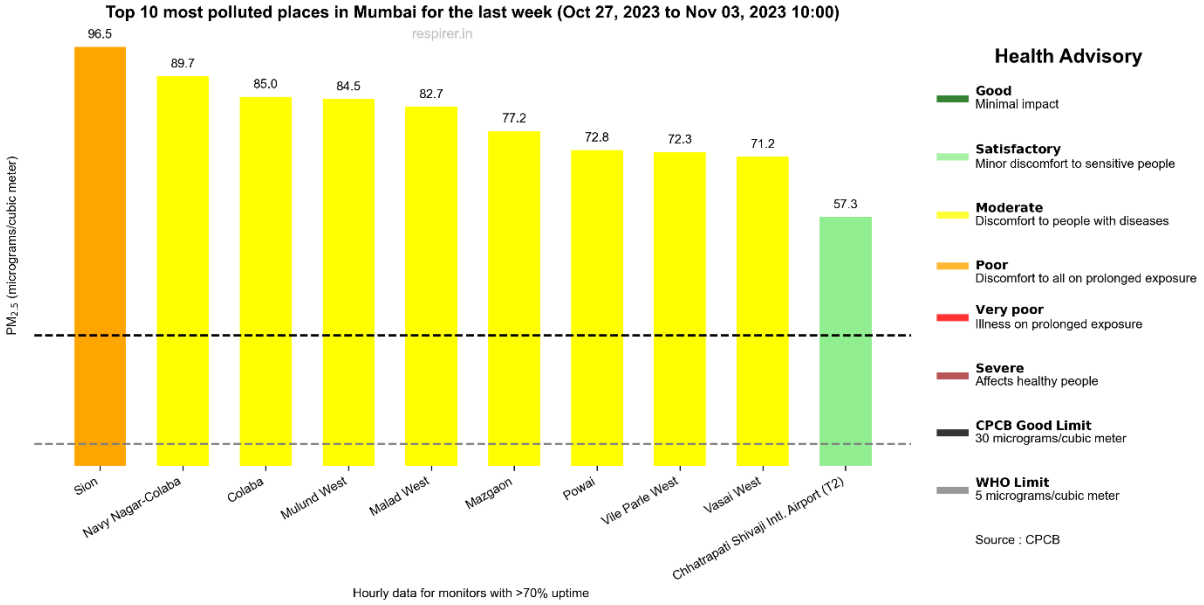
Mumbai's Air Pollution

- The number of locations in Mumbai with PM 2.5 levels in the 'poor' category in the last 24 hours went up from four on November 2 to five on November 3.
- The concentration values also went up – the most polluted place on November 3 was Navy Nagar-Colaba, with a PM 2.5 level of 107.2 micrograms/cubic metre, while on November 2, it was Mulund West, with PM 2.5 at 102.3.
- However, a look at the seven-day averages for these locations showed that Sion was the polluted place in Mumbai.

[See **Top 10 most polluted places in Mumbai in the last 24 hours (Nov 3, 2023 10:00)** below.]

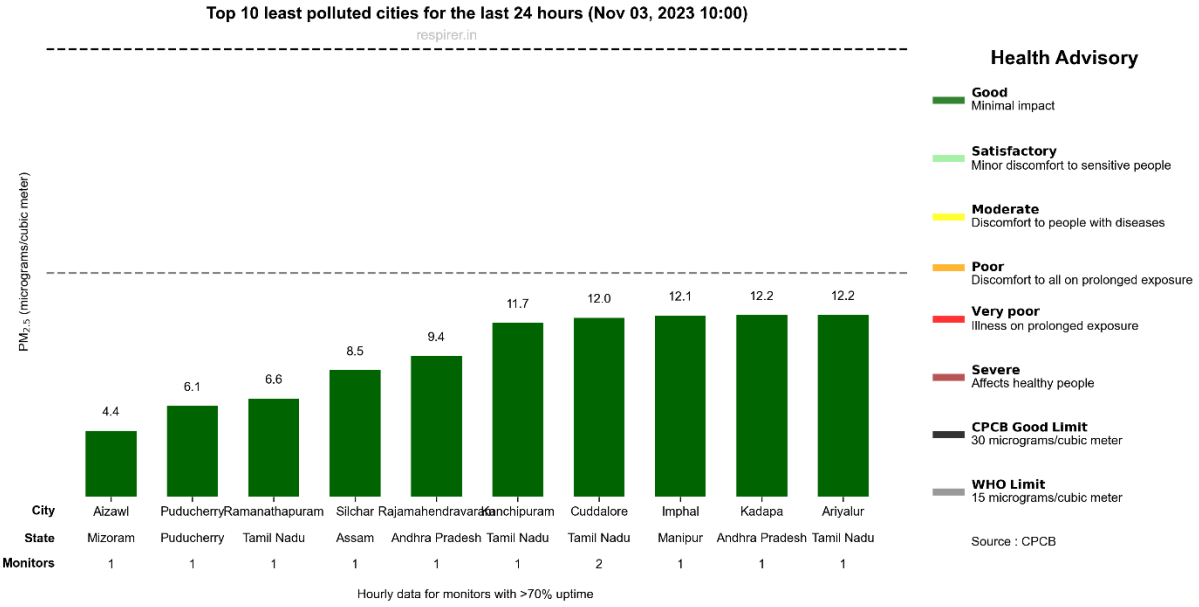
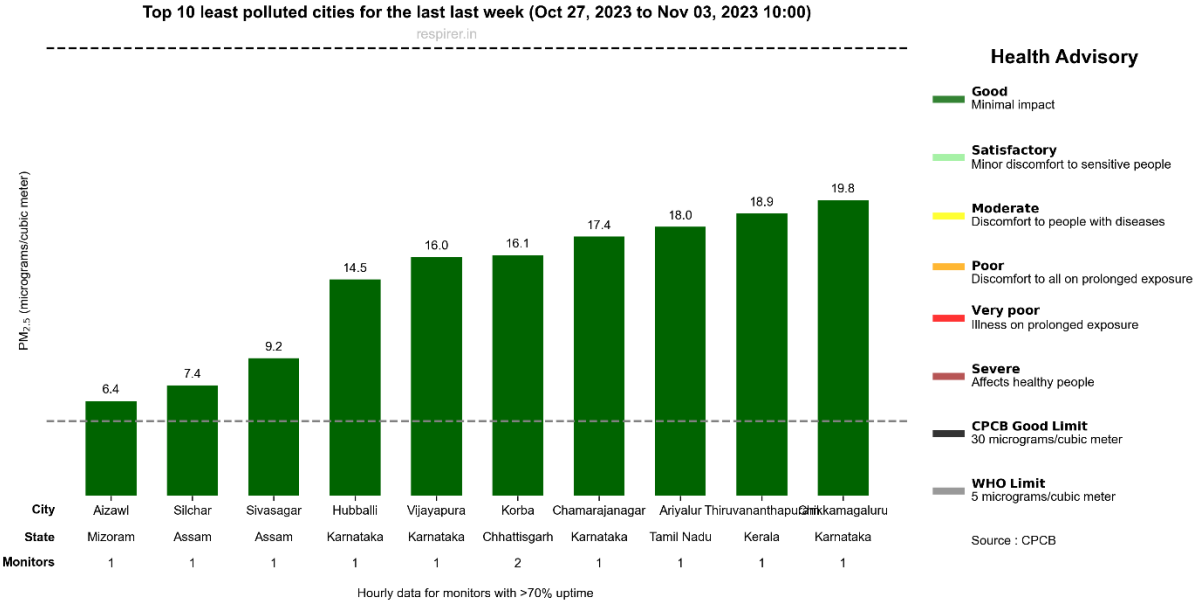


Top 10 most polluted places in Mumbai for the last week (Oct 25, 2023 to Nov 03, 2023, 10:00)



Other charts:

Top 10 least polluted cities for the last 24 hours (Oct 27, 2023 to Nov 03, 2023 10:00)



Top 10 least polluted cities for the last week (Oct 27, 2023 to Nov 03, 2023 10:00)