



# Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – January 11, 2024



## Current Air Quality Status:

### Air Quality Index (AQI) (Average of past 24 hours at 4 PM) in comparison with last two years

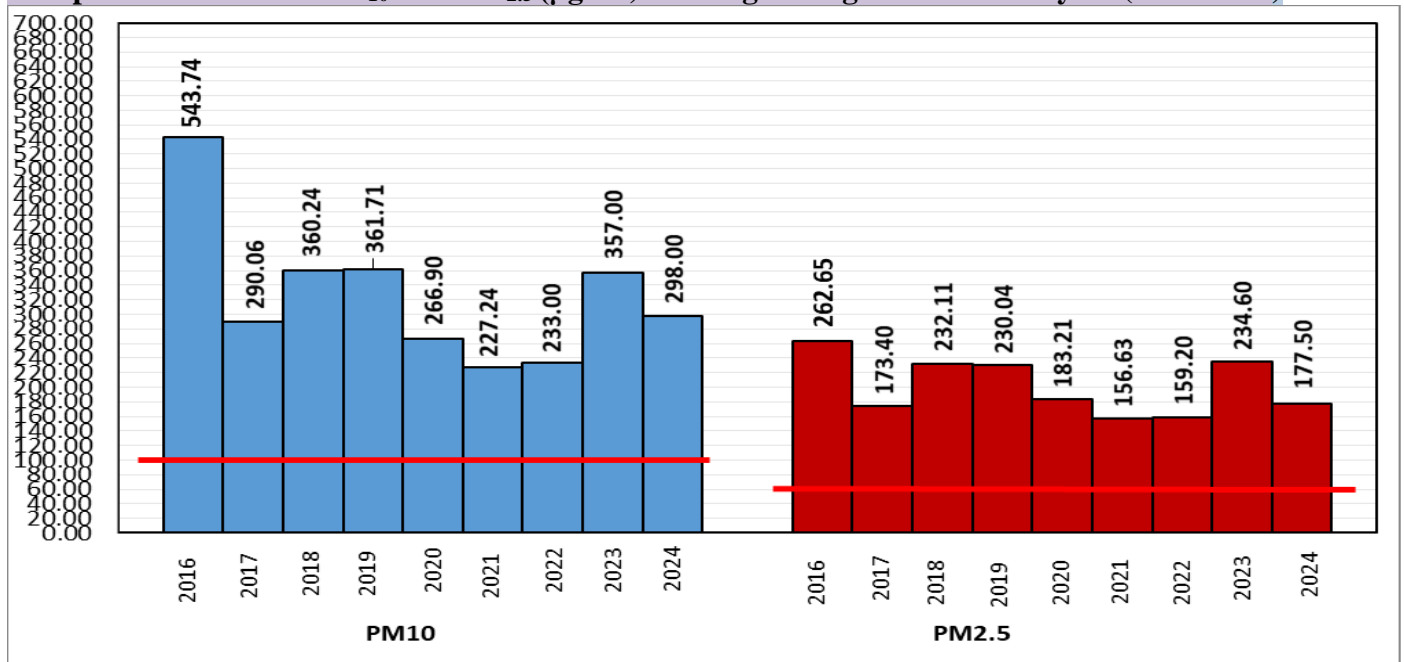
|               | 2024        |           |                     | 2023        |           |                     | 2022        |           |                     |
|---------------|-------------|-----------|---------------------|-------------|-----------|---------------------|-------------|-----------|---------------------|
|               | Air Quality | AQI Value | Prominent Pollutant | Air Quality | AQI Value | Prominent Pollutant | Air Quality | AQI Value | Prominent Pollutant |
| Delhi         | Very Poor   | 348↑      | PM2.5               | Very Poor   | 308↓      | PM2.5               | Poor        | 224↑      | PM2.5               |
| Faridabad     | Poor        | 242↑      | PM2.5               | Very Poor   | 314↑      | PM2.5               | Moderate    | 196↑      | PM2.5               |
| Ghaziabad     | Poor        | 298↑      | PM2.5               | Poor        | 266↓      | PM2.5               | Moderate    | 186↑      | PM2.5               |
| Greater Noida | Very Poor   | 322↑      | PM2.5               | Poor        | 294↓      | PM2.5               | Poor        | 212↑      | PM2.5               |
| Gurugram      | Moderate    | 191↑      | PM2.5               | Poor        | 254↓      | PM2.5               | Moderate    | 175↑      | PM2.5               |
| Noida         | Very Poor   | 319↑      | PM10, PM2.5         | Poor        | 272↓      | PM2.5               | Moderate    | 192↑      | PM2.5, PM10         |

\*Data available for 36(2024), 38(2023), 37(2022) stations in Delhi today. # ↑, ↓ arrows indicate a decrease/increase as compared to the value on the previous day.

### Comparative status of AQI - Delhi from 01 January to 11 January 2016-2024

| Category              | Year        | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |    |
|-----------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
|                       | No. of days | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |    |
| Good (0–50)           |             | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0  |
| Satisfactory (51–100) |             | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 4    | 0    | 0    | 0    | 0  |
| Moderate (101–200)    |             | 0    | 0    | 0    | 0    | 0    | 2    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0  |
| Poor (201–300)        |             | 0    | 4    | 1    | 2    | 5    | 4    | 2    | 1    | 1    | 11   | 11   | 11   | 11   | 11   | 9    | 7    | 11   | 11   | 11 |
| Very Poor (301–400)   |             | 8    | 7    | 8    | 6    | 4    | 3    | 4    | 8    | 10   | 11   | 11   | 11   | 11   | 9    | 7    | 11   | 11   | 11   | 11 |
| Severe (>401)         |             | 3    | 0    | 2    | 3    | 2    | 2    | 1    | 2    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0  |

### Comparative status of PM<sub>10</sub> and PM<sub>2.5</sub> (µg/m<sup>3</sup>) running average – Till January 10 (2016-2024)



\*Red line shows the annual average concentration standards for PM<sub>10</sub> and PM<sub>2.5</sub>.

### Daily Average of Particulates in Delhi (24 hourly average value; from 06:00am of 10.01.24 to 06:00 am of 11.01.24)

| Date ↓ / parameter → | PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | PM <sub>10</sub> (µg/m <sup>3</sup> ) |
|----------------------|--|---------------------------------------|
| 10-January -2024     | 167↑                                   | 294↑                                  |

Hotspots for Today: \*Details given below

|           |   |               |                                  |
|-----------|---|---------------|----------------------------------|
| Delhi     | Nehru Nagar, Punjabi Bagh, Anand Vihar, Vivek Vihar, Mundka | Ghaziabad     | Sanjay Nagar, Vasundhara         |
| Faridabad | Sector- 16A   | Greater Noida | Knowledge Park -V                |
| Gurugram  | Sector-51   | Noida         | Sector – 62,Sector-116, Sector-1 |

Forecast by IITM(Delhi):

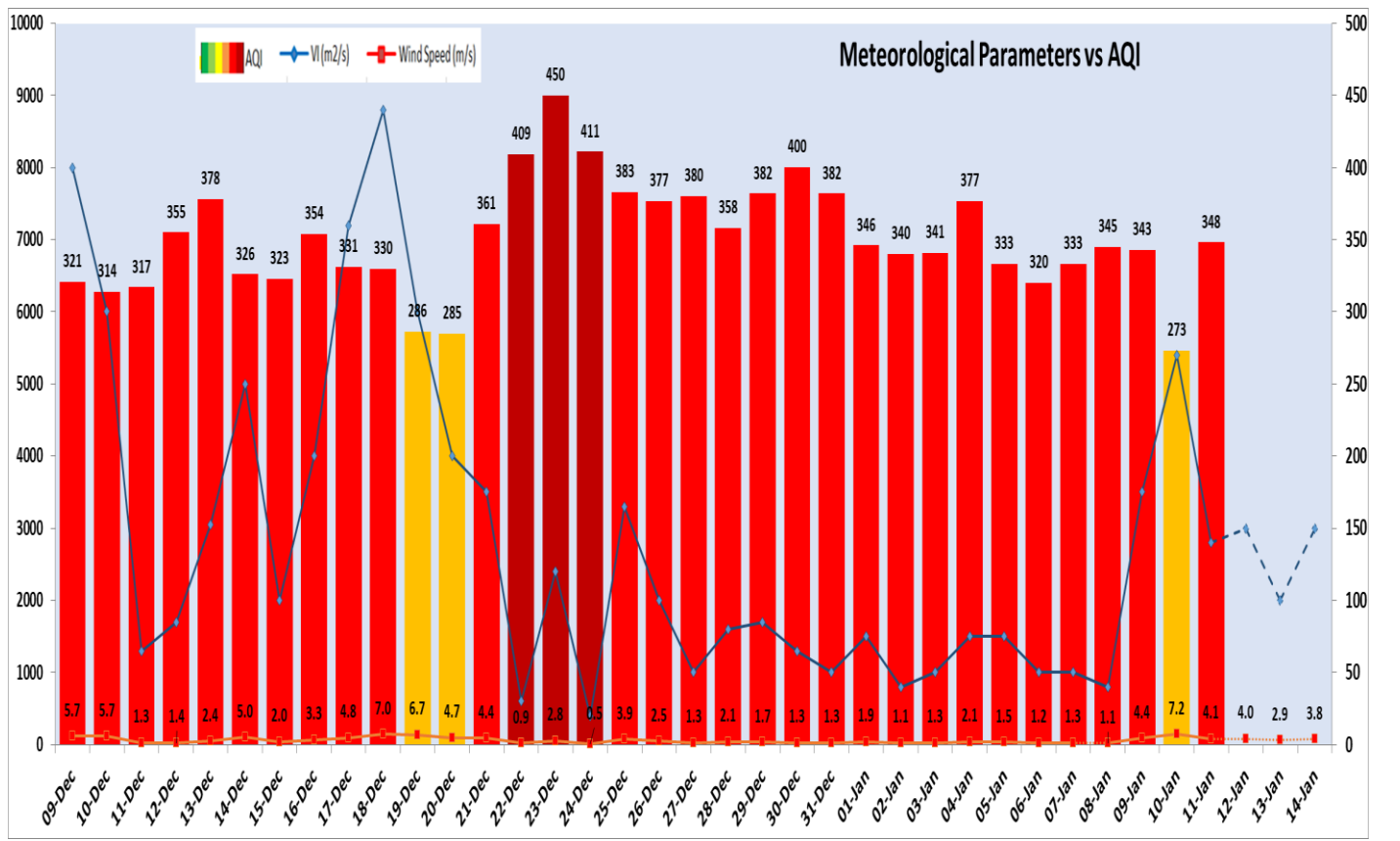
|                     |             |              |              |
|---------------------|-------------|--------------|--------------|
|                     | Jan 12,2024 | Jan 13, 2024 | Jan 14, 2024 |
| <b>AQI Category</b> | Very Poor   | Very Poor    | Very Poor    |

Wind Forecast for Delhi:

|              | Wind speed (at surface) in km/h |                                  | Wind speed (at 900 m) in km/h  | Wind Direction |                          |
|--------------|---------------------------------|----------------------------------|--------------------------------|----------------|--------------------------|
|              | As per IMD (range)              | As per windy.com (at 16:00 hrs.) | As per windy.com (at 16:00hrs) | As per IMD     | As per windy.com at 900m |
| Jan 12. 2024 | 04                              | 08                               | 32                             | SW/NW          | NW                       |
| Jan 13. 2024 | 04                              | 07                               | 16                             | SW/NW          | NW                       |
| Jan 14. 2024 | 04-08                           | 07                               | 18                             | NW             | NW                       |

IMD Alert for Tomorrow (12.01.2024):

The air quality is likely to remain in Very Poor category from 12.01.2024 to 14.01.2024. The predominant surface wind is likely to be coming from Southwest/Northwest directions in Delhi with wind speed 04 kmph, partly cloudy sky and shallow fog in the morning on 12.01.2024. Ventilation index is likely to be 3000m<sup>2</sup>/s.



| Delhi Temperature in (°C) |         |         |
|---------------------------|---------|---------|
| Date                      | Minimum | Maximum |
| 08-01-2024                | 5.3     | 18.8    |
| 09-01-2024                | 7.9     | 17.5    |
| 10-01-2024                | 7.1     | 13.4    |
| 11-01-2024                | 5.8     | 15.2    |

▪ **Hotspots for Today**

| City          | Station Name                              | AQI value | Air Quality | Prominent Pollutant |
|---------------|---|-----------|-------------|---------------------|
| Delhi         | Nehru Nagar, Delhi - DPCC                 | 391       | Very Poor   | PM <sub>2.5</sub>   |
|               | Punjabi Bagh, Delhi - DPCC                | 381       | Very Poor   | PM <sub>2.5</sub>   |
|               | Anand Vihar, Delhi - DPCC                 | 380       | Very Poor   | PM <sub>2.5</sub>   |
|               | Vivek Vihar, Delhi - DPCC                 | 380       | Very Poor   | PM <sub>2.5</sub>   |
|               | Mundka, Delhi - DPCC                      | 378       | Very Poor   | PM <sub>2.5</sub>   |
| Faridabad     | Sector- 16A, Faridabad - HSPCB            | 349       | Very Poor   | PM <sub>2.5</sub>   |
| Gurugram      | Sector-51, Gurugram - HSPCB               | 264       | Poor        | PM <sub>2.5</sub>   |
| Ghaziabad     | Sanjay Nagar, Ghaziabad - UPPCB           | 316       | Very Poor   | PM <sub>2.5</sub>   |
|               | Vasundhara, Ghaziabad - UPPCB             | 311       | Very Poor   | PM <sub>2.5</sub>   |
| Greater Noida | Knowledge Park - V, Greater Noida - UPPCB | 330       | Very Poor   | PM <sub>2.5</sub>   |
| Noida         | Sector - 62, Noida - IMD                  | 353       | Very Poor   | PM <sub>10</sub>    |
|               | Sector-116, Noida - UPPCB                 | 330       | Very Poor   | PM <sub>2.5</sub>   |
|               | Sector-1, Noida - UPPCB                   | 327       | Very Poor   | PM <sub>2.5</sub>   |