



# Central Pollution Control Board

## Air Quality Status for Delhi & NCR

Dated – December 12, 2023



### Current Air Quality Status:

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

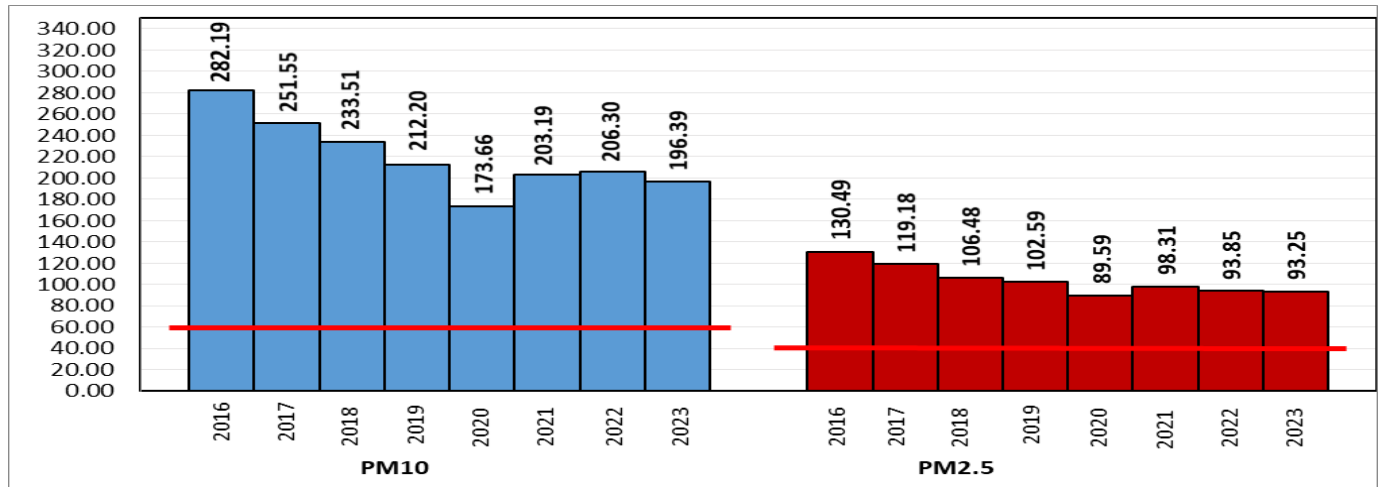
|               | 2023        |           |                     | 2022        |           |                     | 2021(Covid- Year) |           |                     |
|---------------|-------------|-----------|---------------------|-------------|-----------|---------------------|-------------------|-----------|---------------------|
|               | Air Quality | AQI Value | Prominent Pollutant | Air Quality | AQI Value | Prominent Pollutant | Air Quality       | AQI Value | Prominent Pollutant |
| Delhi         | Very Poor   | 355↑      | PM2.5, PM10         | Poor        | 218↓      | PM2.5               | Poor              | 254↓      | PM2.5               |
| Faridabad     | Poor        | 278↑      | PM2.5               | Moderate    | 185↓      | PM10, PM2.5         | Poor              | 250↑      | PM10, PM2.5         |
| Ghaziabad     | Poor        | 296↑      | PM2.5               | Moderate    | 158↓      | PM10                | Poor              | 272↑      | PM2.5               |
| Greater Noida | Very Poor   | 335↑      | PM2.5, PM10         | Moderate    | 180↓      | PM10                | Moderate          | 152↓      | PM2.5               |
| Gurugram      | Poor        | 278↑      | PM2.5               | Moderate    | 127↓      | PM2.5               | Poor              | 207↓      | PM2.5               |
| Noida         | Very Poor   | 337↑      | PM2.5, PM10         | Moderate    | 153↓      | PM2.5               | Poor              | 214↓      | PM10, PM2.5         |

\*Data available for 37(2023), 36(2022), 35(2021) 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 12 December 2016-2023

| Category              | Year        | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-----------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                       | No. of days | 335  | 346  | 346  | 346  | 347  | 346  | 346  | 346  | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| Good (0–50)           |             | 0    | 2    | 0    | 2    | 4    | 1    | 3    | 1    |      |      |      |      |      |      |      |      |
| Satisfactory (51–100) |             | 24   | 45   | 53   | 59   | 96   | 72   | 65   | 60   | 110  | 152  | 157  | 179  | 226  | 197  | 160  | 206  |
| Moderate (101–200)    |             | 86   | 105  | 104  | 118  | 126  | 124  | 92   | 145  |      |      |      |      |      |      |      |      |
| Poor (201–300)        |             | 119  | 107  | 110  | 100  | 67   | 75   | 129  | 75   |      |      |      |      |      |      |      |      |
| Very Poor (301–400)   |             | 81   | 79   | 65   | 49   | 42   | 56   | 52   | 53   | 225  | 194  | 189  | 167  | 121  | 149  | 186  | 140  |
| Severe (>401)         |             | 25   | 8    | 14   | 18   | 12   | 18   | 5    | 12   |      |      |      |      |      |      |      |      |

#### Comparative status of PM<sub>10</sub> and PM<sub>2.5</sub> (µg/m<sup>3</sup>) running average - Till December 11 (2016-2023)



\*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 11.12.23 to 06:00 am of 12.12.23)

| Date ↓ / parameter → | PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | PM <sub>10</sub> (µg/m <sup>3</sup> ) |
|----------------------|--|---------------------------------------|
| 11- December -2023   | 185↑                                   | 336↑                                  |

**Hotspots for Today:**

*\*Details given below*

|           |  |               |                          |
|-----------|--|---------------|--------------------------|
| Delhi     | Wazirpur, Nehru Nagar, Shadipur, Vivek Vihar, Jahangirpuri | Ghaziabad     | Loni, Vasundhara         |
| Faridabad | Sector- 16A, Sector 11                                     | Greater Noida | Knowledge Park -V        |
| Gurugram  | Sector-51  | Noida         | Sector - 125, Sector-116 |

**Forecast by IITM (Delhi):**

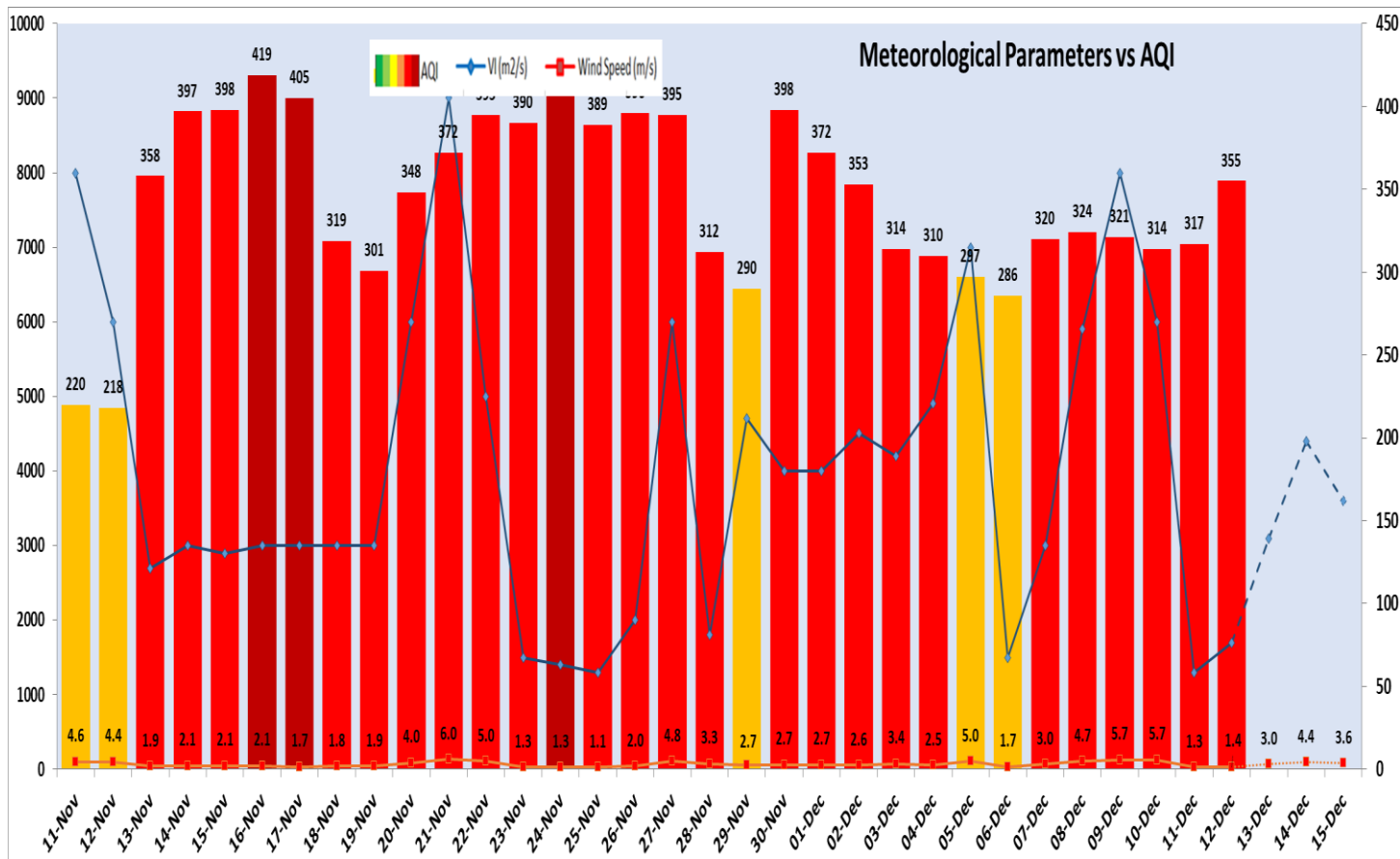
|                     |              |              |              |
|---------------------|--------------|--------------|--------------|
|                     | Dec 13, 2023 | Dec 14, 2023 | Dec 15, 2023 |
| <b>AQI Category</b> | Very Poor    | Very Poor    | Very Poor    |

**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 |
| Dec 13. 2023 | 04 TO 08                        | 9                                | 11                             | NW             | NW                       |
| Dec 14. 2023 | 04 TO 08                        | 9                                | 25                             | NW             | NW                       |
| Dec 15. 2023 | 04 TO 08                        | 7                                | 14                             | NW             | NW                       |

**IMD Alert for Tomorrow (13.12.2023):**

The air quality is likely to remain in Very Poor category from 13.12.2023 to 15.12.2023. The predominant surface wind is likely to be coming from North/Northwest directions in Delhi with wind speed upto 04-08 kmph, mainly clear sky becoming partly cloudy sky towards evening and shallow fog in the morning on 13.12.2023. Ventilation index is likely to be 3100 m<sup>2</sup>/s.



| Delhi Temperature in (°C) |         |         |
|---------------------------|---------|---------|
| Date                      | Minimum | Maximum |
| 09-12-2023                | 8.5     | 25.7    |
| 10-12-2023                | 8.3     | 25.3    |
| 11-12-2023                | 6.5     | 23.4    |
| 12-12-2023                | 6.8     | 24.8    |

▪ **Hotspots for Today**

| City          | Station Name                              | AQI value | Air Quality | Prominent Pollutant |
|---------------|---|-----------|-------------|---------------------|
| Delhi         | Wazirpur, Delhi - DPCC                    | 421       | Severe      | PM <sub>10</sub>    |
|               | Nehru Nagar, Delhi - DPCC                 | 412       | Severe      | PM <sub>2.5</sub>   |
|               | Shadipur, Delhi - CPCB                    | 409       | Severe      | PM <sub>10</sub>    |
|               | Vivek Vihar, Delhi - DPCC                 | 406       | Severe      | PM <sub>2.5</sub>   |
|               | Jahangirpuri, Delhi - DPCC                | 405       | Severe      | PM <sub>2.5</sub>   |
| Faridabad     | Sector- 16A, Faridabad - HSPCB            | 356       | Very Poor   | PM <sub>2.5</sub>   |
|               | Sector 11, Faridabad - HSPCB              | 314       | Very Poor   | PM <sub>2.5</sub>   |
| Gurugram      | Sector-51, Gurugram - HSPCB               | 336       | Very Poor   | PM <sub>2.5</sub>   |
| Ghaziabad     | Loni, Ghaziabad - UPPCB                   | 315       | Very Poor   | PM <sub>2.5</sub>   |
|               | Vasundhara, Ghaziabad - UPPCB             | 310       | Very Poor   | PM <sub>2.5</sub>   |
| Greater Noida | Knowledge Park - V, Greater Noida - UPPCB | 380       | Very Poor   | PM <sub>10</sub>    |
| Noida         | Sector - 125, Noida - UPPCB               | 364       | Very Poor   | PM <sub>10</sub>    |
|               | Sector-116, Noida - UPPCB                 | 361       | Very Poor   | PM <sub>2.5</sub>   |