



# Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – December 09, 2024



## Current Air Quality Status:

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

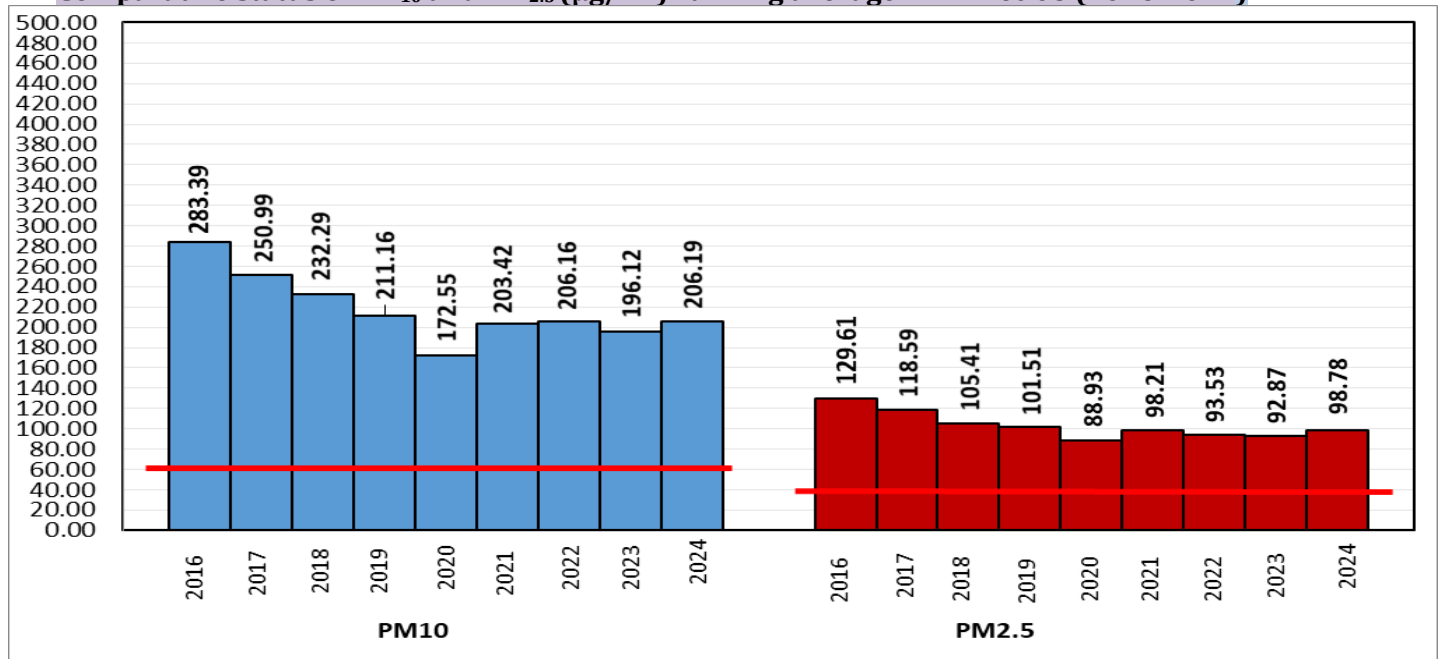
|               | 2024         |           |   | 2023        |           |                                      | 2022        |           |                                      |
|---------------|--------------|-----------|---|-------------|-----------|--------------------------------------|-------------|-----------|--------------------------------------|
|               | Air Quality  | AQI Value | Prominent Pollutant                                   | Air Quality | AQI Value | Prominent Pollutant                  | Air Quality | AQI Value | Prominent Pollutant                  |
| Delhi         | Moderate     | 186↓      | PM <sub>2.5</sub>                                     | Very Poor   | 321↓      | PM <sub>2.5</sub>                    | Very Poor   | 314↑      | PM <sub>2.5</sub>                    |
| Faridabad     | Satisfactory | 60↓       | PM <sub>2.5</sub>                                     | Poor        | 240↓      | PM <sub>2.5</sub>                    | Poor        | 297↑      | PM <sub>2.5</sub>                    |
| Ghaziabad     | Moderate     | 135↓      | PM <sub>2.5</sub> , O <sub>3</sub>                    | Poor        | 242↓      | O <sub>3</sub> , PM <sub>2.5</sub>   | Poor        | 255↑      | PM <sub>10</sub>                     |
| Greater Noida | Satisfactory | 94↓       | PM <sub>10</sub>                                      | Poor        | 260↓      | PM <sub>2.5</sub>                    | Poor        | 296↑      | PM <sub>10</sub> , PM <sub>2.5</sub> |
| Gurugram      | Moderate     | 156↓      | PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub> | Poor        | 251↑      | PM <sub>2.5</sub>                    | Poor        | 260↑      | PM <sub>2.5</sub>                    |
| Noida         | Satisfactory | 92↓       | PM <sub>10</sub> , NO <sub>2</sub>                    | Poor        | 242↓      | PM <sub>2.5</sub> , PM <sub>10</sub> | Poor        | 281↑      | PM <sub>10</sub>                     |

\*Data available for 38(2024), 34(2023), 36(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 09 Dec 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 | 332  | 343  | 343  | 343  | 344  | 343  | 343  | 343  | 344  |      |      |      |      |      |      |      |      |      |
| Good (0–50)           |             | 0    | 2    | 0    | 2    | 5    | 1    | 3    | 1    | 0    |      |      |      |      |      |      |      |      |      |
| Satisfactory (51–100) |             | 23   | 45   | 53   | 58   | 95   | 72   | 65   | 60   | 66   | 110  | 150  | 158  | 179  | 226  | 197  | 160  | 206  | 205  |
| Moderate (101–200)    |             | 87   | 103  | 105  | 119  | 126  | 124  | 92   | 145  | 139  |      |      |      |      |      |      |      |      |      |
| Poor (201–300)        |             | 119  | 107  | 111  | 100  | 65   | 72   | 128  | 75   | 64   |      |      |      |      |      |      |      |      |      |
| Very Poor (301–400)   |             | 78   | 78   | 60   | 47   | 41   | 56   | 50   | 50   | 64   | 222  | 193  | 185  | 164  | 118  | 146  | 183  | 137  | 139  |
| Severe (>401)         |             | 25   | 8    | 14   | 17   | 12   | 18   | 5    | 12   | 11   |      |      |      |      |      |      |      |      |      |

### Comparative status of PM<sub>10</sub> and PM<sub>2.5</sub> (µg/m<sup>3</sup>) running average - Till Dec 08 (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 08.12.24 to 06:00 am of 09.12.24)

| Date ↓ / parameter → | PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | PM <sub>10</sub> (µg/m <sup>3</sup> ) |
|----------------------|--|---------------------------------------|
| 08-Dec-2024          | 119↓                                   | 225↓                                  |

Hotspots for Today:

\*Details given below

|           |   |               |                         |
|-----------|---|---------------|-------------------------|
| Delhi     | Shadipur, Punjabi Bagh, Wazirpur, Mundka, Sonia Vihar | Ghaziabad     | Loni                    |
| Faridabad | Sector 11   | Greater Noida | Knowledge Park - V      |
| Gurugram  | NISE Gwal Pahari, Sector-51                           | Noida         | Sector - 62, Sector-116 |

Forecast by IITM(Delhi):

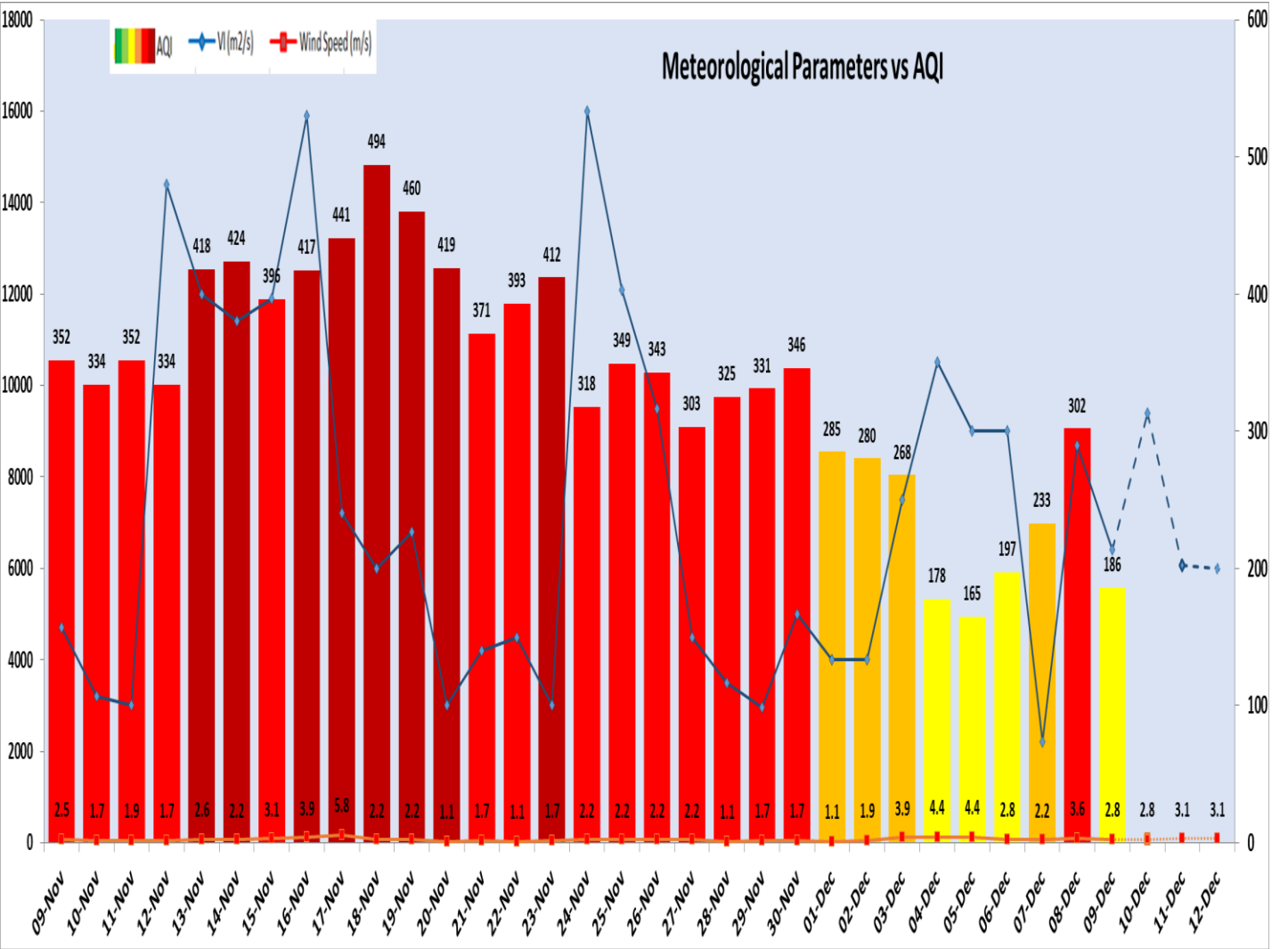
|              |              |              |              |
|--------------|--------------|--------------|--------------|
|              | Dec 10, 2024 | Dec 11, 2024 | Dec 12, 2024 |
| AQI Category | Poor         | Poor         | Poor         |

Wind Forecast for Delhi:

|              | Wind speed<br>(at surface) in km/h |                                     | Wind speed<br>(at 900 m) in km/h  | Wind Direction |                             |
|--------------|------------------------------------|-------------------------------------|-----------------------------------|----------------|-----------------------------|
|              | As per IMD<br>(range)              | As per windy.com<br>(at 16:00 hrs.) | As per windy.com<br>(at 16:00hrs) | As per IMD     | As per windy.com at<br>900m |
| Dec 10, 2024 | 08-12                              | 10                                  | 37                                | NW             | NW                          |
| Dec 11, 2024 | 10-12                              | 07                                  | 26                                | NW             | NW                          |
| Dec 12, 2024 | 10-12                              | 07                                  | 26                                | NW             | NW                          |

IMD Alert for Tomorrow (10.12.2024):

The air quality is likely to be in Poor category from 10.12.2024 to 12.12.2024. The predominant surface wind is likely to be from northwest direction with speed less than 08 kmph during morning hours. Smog/moderate fog is likely in the morning. The wind speed will increase thereafter becoming less than 12 kmph from northwest direction during afternoon. It will decrease thereafter becoming less than 08 kmph from northwest direction during evening and night. Smog/Shallow fog is likely in the evening/night and mainly clear sky on 10.12.2024. Ventilation index is likely to be 9400 m<sup>2</sup>/s.



| Delhi Temperature in (°C)* |         |         |
|----------------------------|---------|---------|
| Date                       | Minimum | Maximum |
| 06-12-2024                 | 8.5     | 25.1    |
| 07-12-2024                 | 7.1     | 25.1    |
| 08-12-2024                 | 7.4     | 25.4    |
| 09-12-2024                 | 8.2     | 23.7    |

\* Source – IMD (08:30 hrs.)

| *Hotspots for Today |   |           |              |                     |
|---------------------|---|-----------|--------------|---------------------|
| City                | Station Name                              | AQI value | Air Quality  | Prominent Pollutant |
| Delhi               | Shadipur, Delhi - CPCB                    | 320       | Very Poor    | PM <sub>2.5</sub>   |
|                     | Punjabi Bagh, Delhi - DPCC                | 261       | Poor         | PM <sub>2.5</sub>   |
|                     | Wazirpur, Delhi - DPCC                    | 255       | Poor         | PM <sub>2.5</sub>   |
|                     | Mundka, Delhi - DPCC                      | 247       | Poor         | PM <sub>10</sub>    |
|                     | Sonia Vihar, Delhi - DPCC                 | 228       | Poor         | PM <sub>2.5</sub>   |
| Faridabad           | Sector 11, Faridabad - HSPCB              | 70        | Satisfactory | PM <sub>2.5</sub>   |
| Gurugram            | NISE Gwal Pahari, Gurugram - IMD          | 182       | Moderate     | Ozone               |
|                     | Sector-51, Gurugram - HSPCB               | 179       | Moderate     | PM <sub>10</sub>    |
| Ghaziabad           | Loni, Ghaziabad - UPPCB                   | 301       | Very Poor    | Ozone               |
| Greater Noida       | Knowledge Park - V, Greater Noida - UPPCB | 101       | Moderate     | PM <sub>10</sub>    |
| Noida               | Sector - 62, Noida - IMD                  | 108       | Moderate     | PM <sub>10</sub>    |
|                     | Sector-116, Noida - UPPCB                 | 104       | Moderate     | NO <sub>2</sub>     |