



# Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – February 13, 2024



## Current Air Quality Status:

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

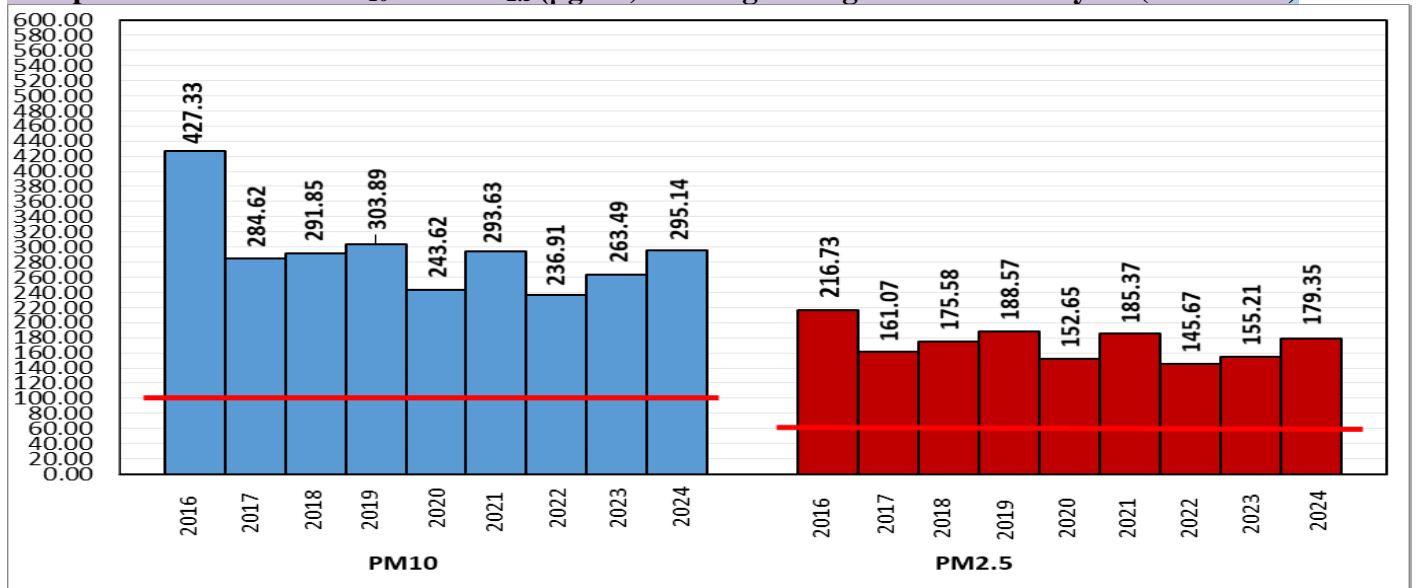
|               | 2024        |           |                     | 2023        |           |                     | 2022        |           |                     |
|---------------|-------------|-----------|---------------------|-------------|-----------|---------------------|-------------|-----------|---------------------|
|               | Air Quality | AQI Value | Prominent Pollutant | Air Quality | AQI Value | Prominent Pollutant | Air Quality | AQI Value | Prominent Pollutant |
| Delhi         | Very Poor   | 342↑      | PM10, PM2.5         | Moderate    | 135↓      | PM10, PM2.5         | Poor        | 253↑      | PM10, PM2.5         |
| Faridabad     | Poor        | 268↑      | PM10, PM2.5         | Moderate    | 142↓      | PM2.5               | Poor        | 279↑      | PM10, PM2.5         |
| Ghaziabad     | Poor        | 297↑      | PM10, PM2.5         | Moderate    | 132↓      | PM10                | Poor        | 250↑      | PM10, PM2.5         |
| Greater Noida | Very Poor   | 362↑      | PM10, PM2.5         | Moderate    | 138↓      | PM10                | Moderate    | 198↑      | PM10                |
| Gurugram      | Very Poor   | 343↑      | PM2.5               | Moderate    | 140↓      | PM2.5               | Poor        | 218↑      | PM10, PM2.5         |
| Noida         | Very Poor   | 330↑      | PM2.5               | Moderate    | 115↓      | PM10                | Poor        | 232↑      | PM10, PM2.5         |

\*Data available for 38(2024), 36(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 13 February 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 | 44   | 44   | 44   | 44   | 44   | 44   | 44   | 44   | 44   | 44   | 41   | 42   | 39   | 41   | 40   | 35   | 35   | 37   |
| Good (0-50)           |             | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3    | 2    | 5    | 3    | 4    | 9    | 9    | 7    |
| Satisfactory (51-100) |             | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 0    | 3    | 2    | 5    | 3    | 4    | 9    | 9    | 7    |
| Moderate (101-200)    |             | 0    | 3    | 2    | 5    | 3    | 4    | 7    | 9    | 7    | 0    | 3    | 2    | 5    | 3    | 4    | 9    | 9    | 7    |
| Poor (201-300)        |             | 6    | 17   | 18   | 12   | 24   | 10   | 18   | 17   | 4    | 44   | 41   | 42   | 39   | 41   | 40   | 35   | 35   | 37   |
| Very Poor (301-400)   |             | 32   | 24   | 21   | 20   | 15   | 24   | 16   | 15   | 30   | 44   | 41   | 42   | 39   | 41   | 40   | 35   | 35   | 37   |
| Severe (>401)         |             | 6    | 0    | 3    | 7    | 2    | 6    | 1    | 3    | 3    | 44   | 41   | 42   | 39   | 41   | 40   | 35   | 35   | 37   |

### Comparative status of PM<sub>10</sub> and PM<sub>2.5</sub> (µg/m<sup>3</sup>) running average – Till February 12 (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 12.02.24 to 06:00 am of 13.02.24)

| Date ↓ / parameter → | PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | PM <sub>10</sub> (µg/m <sup>3</sup> ) |
|----------------------|--|---------------------------------------|
| 12- February -2024   | 163↑                                   | 294↑                                  |

Hotspots for Today: \*Details given below

|           |   |               |                          |
|-----------|---|---------------|--------------------------|
| Delhi     | Wazirpur, Mundka, Vivek Vihar, Punjabi Bagh, Jahangirpuri | Ghaziabad     | Sanjay Nagar, Vasundhara |
| Faridabad | Sector- 16A, New Industrial Town                          | Greater Noida | Knowledge Park - III     |
| Gurugram  | Sector-51, Teri Gram                                      | Noida         | Sector-1, Sector-116     |

Forecast by IITM(Delhi):

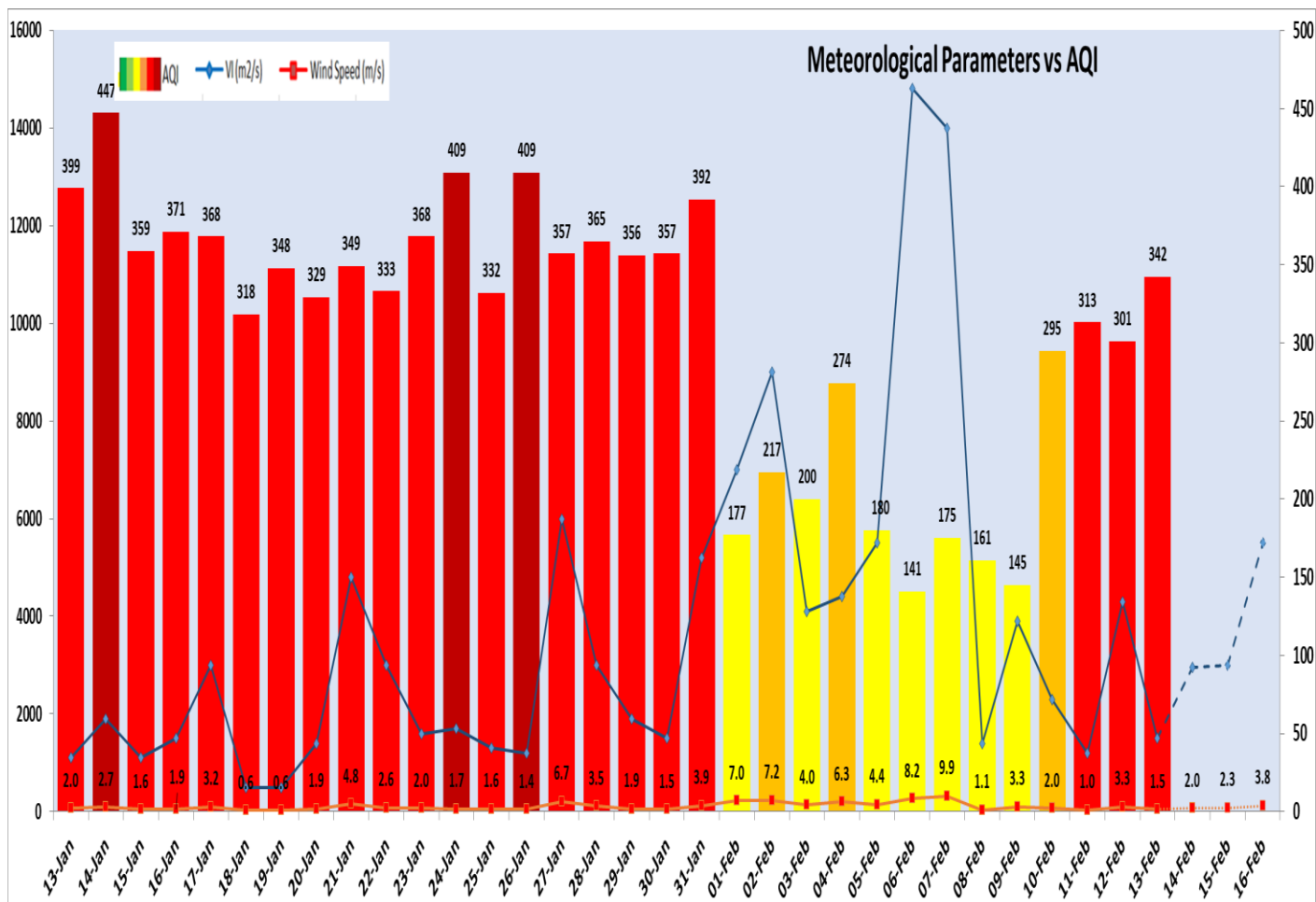
|                     |              |              |              |
|---------------------|--------------|--------------|--------------|
|                     | Feb 14, 2024 | Feb 15, 2024 | Feb 16, 2024 |
| <b>AQI Category</b> | Very Poor    | Poor         | Poor         |

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 |
| Feb 14. 2024 | 06-10                           | 08                               | 19                             | NW             | NW                       |
| Feb 15. 2024 | 04-08                           | 08                               | 28                             | NW             | N                        |
| Feb 16. 2024 | 04-08                           | 07                               | 14                             | NW             | NW                       |

IMD Alert for Tomorrow (14.02.2024):

The air quality is likely to be in Very Poor category on 14.02.2024. The predominant surface wind is likely to be coming from Northwest directions in Delhi with wind speed 06-10 kmph, partly cloudy sky and shallow to moderate fog in the morning on 14.02.2024. Ventilation index is likely to be 2950 m<sup>2</sup>/s.



| Delhi Temperature in (°C) |         |         |
|---------------------------|---------|---------|
| Date                      | Minimum | Maximum |
| 10-02-2024                | 5.2     | 24.0    |
| 11-02-2024                | 7.0     | 23.6    |
| 12-02-2024                | 7.3     | 24.6    |
| 13-02-2024                | 8.3     | 23.7    |

▪ Hotspots for Today

| City          | Station Name                                | AQI value | Air Quality | Prominent Pollutant |
|---------------|---|-----------|-------------|---------------------|
| Delhi         | Wazirpur, Delhi - DPCC                      | 403       | Severe      | PM <sub>10</sub>    |
|               | Mundka, Delhi - DPCC                        | 398       | Very Poor   | PM <sub>2.5</sub>   |
|               | Vivek Vihar, Delhi - DPCC                   | 396       | Very Poor   | PM <sub>2.5</sub>   |
|               | Punjabi Bagh, Delhi - DPCC                  | 393       | Very Poor   | PM <sub>2.5</sub>   |
|               | Jahangirpuri, Delhi - DPCC                  | 388       | Very Poor   | PM <sub>2.5</sub>   |
| Faridabad     | Sector- 16A, Faridabad - HSPCB              | 363       | Very Poor   | PM <sub>2.5</sub>   |
|               | New Industrial Town, Faridabad - HSPCB      | 344       | Very Poor   | PM <sub>2.5</sub>   |
| Gurugram      | Sector-51, Gurugram - HSPCB                 | 404       | Severe      | PM <sub>2.5</sub>   |
|               | Teri Gram, Gurugram - HSPCB                 | 400       | Very Poor   | PM <sub>2.5</sub>   |
| Ghaziabad     | Sanjay Nagar, Ghaziabad - UPPCB             | 310       | Very Poor   | PM <sub>2.5</sub>   |
|               | Vasundhara, Ghaziabad - UPPCB               | 298       | Poor        | PM <sub>2.5</sub>   |
| Greater Noida | Knowledge Park - III, Greater Noida - UPPCB | 363       | Very Poor   | PM <sub>2.5</sub>   |
| Noida         | Sector-1, Noida - UPPCB                     | 364       | Very Poor   | PM <sub>2.5</sub>   |
|               | Sector-116, Noida - UPPCB                   | 343       | Very Poor   | PM <sub>2.5</sub>   |