



# Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – April 22, 2024



## Current Air Quality Status:

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

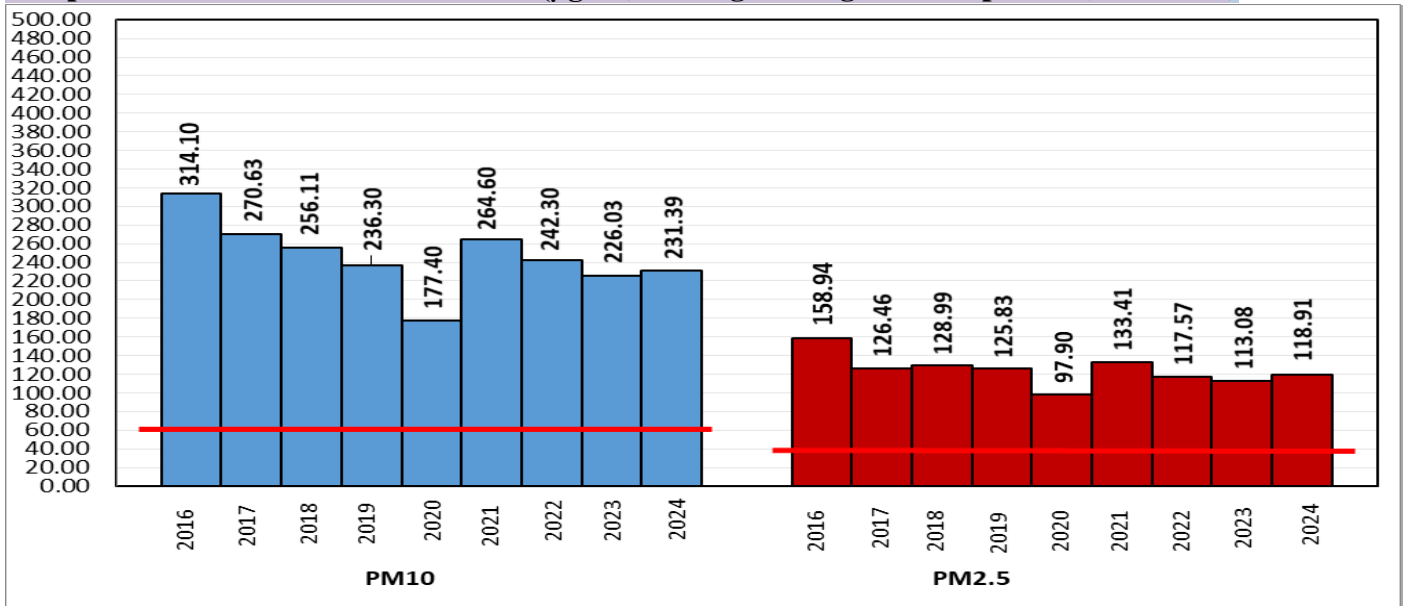
|               | 2024        |           |   | 2023        |           |                                      | 2022        |           |   |
|---------------|-------------|-----------|---|-------------|-----------|--------------------------------------|-------------|-----------|---|
|               | Air Quality | AQI Value | Prominent Pollutant                                   | Air Quality | AQI Value | Prominent Pollutant                  | Air Quality | AQI Value | Prominent Pollutant                                   |
| Delhi         | Moderate    | 127↓      | O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub> | Moderate    | 141↑      | PM <sub>10</sub>                     | Poor        | 204↓      | PM <sub>10</sub> , PM <sub>2.5</sub> , O <sub>3</sub> |
| Faridabad     | Moderate    | 132↓      | PM <sub>10</sub> , PM <sub>2.5</sub>                  | Moderate    | 130↑      | PM <sub>2.5</sub>                    | Poor        | 256↓      | PM <sub>10</sub> , PM <sub>2.5</sub>                  |
| Ghaziabad     | Moderate    | 125↓      | PM <sub>10</sub>                                      | Moderate    | 134↑      | PM <sub>10</sub> , PM <sub>2.5</sub> | Poor        | 254↓      | PM <sub>10</sub> , O <sub>3</sub>                     |
| Greater Noida | Moderate    | 170↑      | PM <sub>10</sub>                                      | Moderate    | 158↓      | O <sub>3</sub>                       | Poor        | 269↓      | PM <sub>10</sub> , O <sub>3</sub>                     |
| Gurugram      | Moderate    | 164↓      | PM <sub>2.5</sub> , PM <sub>10</sub>                  | Moderate    | 150↓      | CO, PM <sub>2.5</sub>                | Poor        | 219↓      | PM <sub>10</sub>                                      |
| Noida         | Moderate    | 138↓      | O <sub>3</sub> , PM <sub>10</sub>                     | Moderate    | 146↓      | NO <sub>2</sub> , PM <sub>10</sub>   | Poor        | 241↓      | PM <sub>10</sub>                                      |

\*Data available for 38(2024), 38(2023), 38(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 22 April 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 | 109  | 112  | 112  | 112  | 113  | 112  | 112  | 112  | 113  | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |   |
| Good (0-50)           |             | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0 |
| Satisfactory (51-100) |             | 0    | 0    | 1    | 2    | 22   | 0    | 3    | 3    | 0    | 8    | 25   | 31   | 44   | 61   | 28   | 27   | 47   | 57   |   |
| Moderate (101-200)    |             | 8    | 25   | 30   | 42   | 38   | 28   | 24   | 44   | 57   |      |      |      |      |      |      |      |      |      |   |
| Poor (201-300)        |             | 52   | 58   | 56   | 39   | 35   | 46   | 66   | 42   | 22   |      |      |      |      |      |      |      |      |      |   |
| Very Poor (301-400)   |             | 43   | 29   | 22   | 22   | 15   | 32   | 18   | 20   | 31   | 101  | 87   | 81   | 68   | 52   | 84   | 85   | 65   | 56   |   |
| Severe (>401)         |             | 6    | 0    | 3    | 7    | 2    | 6    | 1    | 3    | 3    |      |      |      |      |      |      |      |      |      |   |

Comparative status of PM<sub>10</sub> and PM<sub>2.5</sub> (µg/m<sup>3</sup>) running average – Till April 21 (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 21.04.24 to 06:00 am of 22.04.24)

| Date ↓ / parameter → | PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | PM <sub>10</sub> (µg/m <sup>3</sup> ) |
|----------------------|--|---------------------------------------|
| 21-April -2024       | 47↓                                    | 155↓                                  |

Hotspots for Today:

\*Details given below

|           |   |               |                          |
|-----------|---|---------------|--------------------------|
| Delhi     | Dr. Karni Singh Shooting Range, Shadipur, NSIT Dwarka, Jawaharlal Nehru Stadium, Jahangirpuri | Ghaziabad     | Indirapuram, Loni        |
| Faridabad | Sector 11, Sector 30  | Greater Noida | Knowledge Park - V       |
| Gurugram  | Sector 51   | Noida         | Sector - 116, Sector-125 |

Forecast by IITM(Delhi):

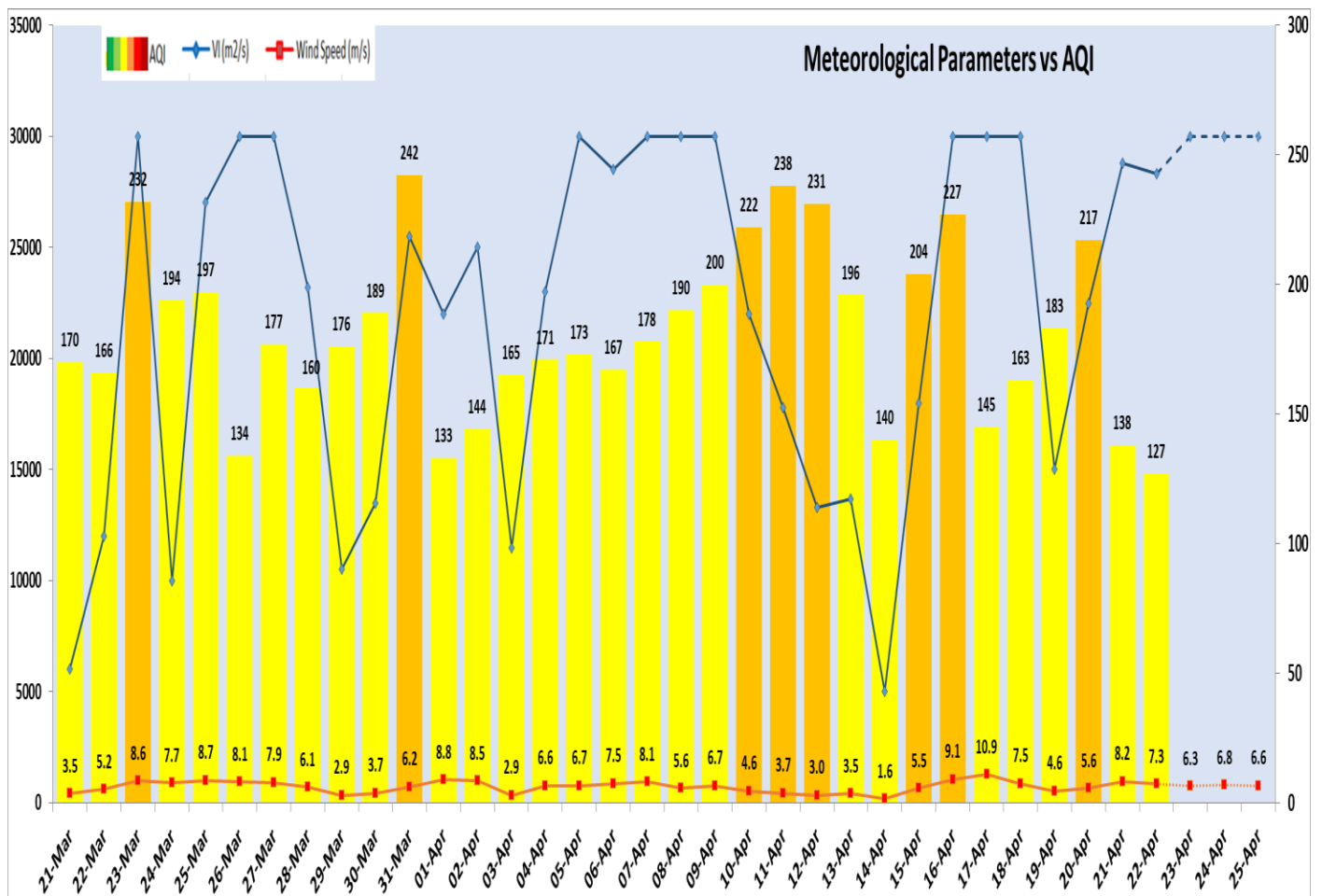
|                     |              |              |              |
|---------------------|--------------|--------------|--------------|
|                     | Apr 23, 2024 | Apr 24, 2024 | Apr 25, 2024 |
| <b>AQI Category</b> | Moderate     | Moderate     | Moderate     |

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 |
| Apr 23. 2024 | 08 TO 22                        | 17                               | 24                             | VAR            | NW                       |
| Apr 24. 2024 | 06 TO 14                        | 13                               | 16                             | VAR            | W                        |
| Apr 25. 2024 | 06 TO 18                        | 15                               | 21                             | W              | W                        |

IMD Alert for Tomorrow (23.04.2024):

The air quality is likely to be in Moderate category from 23.04.2024 to 25.04.2024. The predominant surface wind is likely to be coming from West/Northwest directions in Delhi with wind speed 08-22 kmph, mainly clear sky and strong surface winds (speed 25-35 kmph) during the dayon 23.04.2024. Ventilation index is likely to be above 30000 m<sup>2</sup>/s.



| Delhi Temperature in (°C) |         |         |
|---------------------------|---------|---------|
| Date                      | Minimum | Maximum |
| 19-04-2024                | 24.3    | 39.2    |
| 20-04-2024                | 23.3    | 39.4    |
| 21-04-2024                | 24.0    | 37.2    |
| 22-04-2024                | 23.0    | 36.8    |

▪ **Hotspots for Today**

| City          | Station Name                                 | AQI value | Air Quality | Prominent Pollutant |
|---------------|--|-----------|-------------|---------------------|
| Delhi         | Dr. Karni Singh Shooting Range, Delhi - DPCC | 211       | Poor        | Ozone               |
|               | Shadipur, Delhi - CPCB                       | 196       | Moderate    | PM <sub>10</sub>    |
|               | NSIT Dwarka, Delhi - CPCB                    | 190       | Moderate    | PM <sub>2.5</sub>   |
|               | Jawaharlal Nehru Stadium, Delhi - DPCC       | 175       | Moderate    | Ozone               |
|               | Jahangirpuri, Delhi - DPCC                   | 164       | Moderate    | PM <sub>10</sub>    |
| Faridabad     | Sector 11, Faridabad - HSPCB                 | 196       | Moderate    | PM <sub>10</sub>    |
|               | Sector 30, Faridabad - HSPCB                 | 144       | Moderate    | PM <sub>10</sub>    |
| Gurugram      | Sector-51, Gurugram - HSPCB                  | 198       | Moderate    | PM <sub>2.5</sub>   |
| Ghaziabad     | Indirapuram, Ghaziabad - UPPCB               | 144       | Moderate    | PM <sub>10</sub>    |
|               | Loni, Ghaziabad - UPPCB                      | 132       | Moderate    | PM <sub>10</sub>    |
| Greater Noida | Knowledge Park - V, Greater Noida - UPPCB    | 180       | Moderate    | PM <sub>10</sub>    |
| Noida         | Sector - 116, Noida - UPPCB                  | 162       | Moderate    | Ozone               |
|               | Sector - 125, Noida - UPPCB                  | 153       | Moderate    | Ozone               |