



# Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – October 05, 2024



## Current Air Quality Status:

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

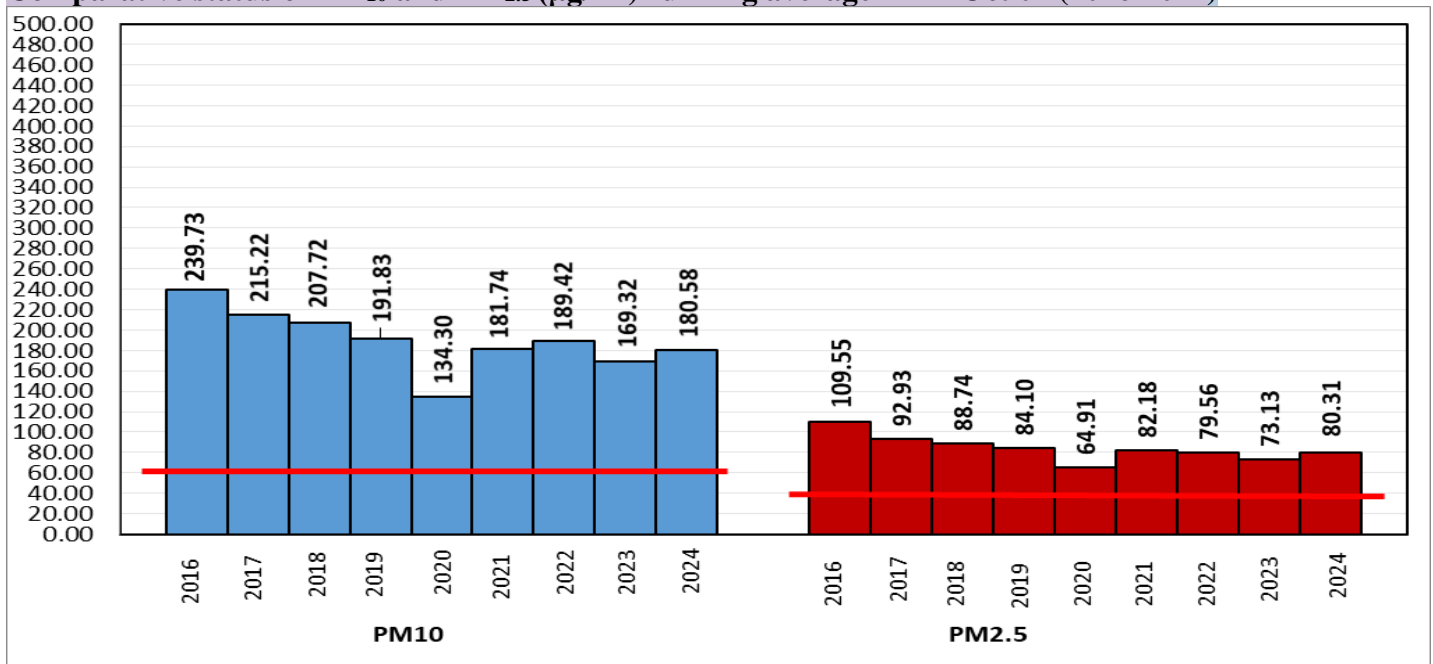
|               | 2024         |           |  | 2023        |           |                                      | 2022        |           |                                      |
|---------------|--------------|-----------|--|-------------|-----------|--------------------------------------|-------------|-----------|--------------------------------------|
|               | Air Quality  | AQI Value | Prominent Pollutant                      | Air Quality | AQI Value | Prominent Pollutant                  | Air Quality | AQI Value | Prominent Pollutant                  |
| Delhi         | Moderate     | 145↓      | PM <sub>10</sub>                         | Moderate    | 177↑      | PM <sub>2.5</sub> , PM <sub>10</sub> | Poor        | 211↑      | PM <sub>2.5</sub> , PM <sub>10</sub> |
| Faridabad     | Satisfactory | 77↓       | PM <sub>10</sub> , CO, PM <sub>2.5</sub> | Moderate    | 191↑      | PM <sub>2.5</sub>                    | Moderate    | 196↑      | PM <sub>2.5</sub> , PM <sub>10</sub> |
| Ghaziabad     | Moderate     | 164↓      | PM <sub>10</sub>                         | Moderate    | 160↓      | PM <sub>10</sub>                     | Poor        | 248↑      | PM <sub>2.5</sub>                    |
| Greater Noida | Moderate     | 190↓      | PM <sub>10</sub>                         | Moderate    | 192↓      | PM <sub>10</sub> , PM <sub>2.5</sub> | Poor        | 234↑      | PM <sub>2.5</sub> , PM <sub>10</sub> |
| Gurugram      | Satisfactory | 98↑       | PM <sub>2.5</sub>                        | Poor        | 213↓      | PM <sub>2.5</sub>                    | Poor        | 238↑      | PM <sub>2.5</sub>                    |
| Noida         | Moderate     | 168↓      | PM <sub>10</sub>                         | Poor        | 203↑      | PM <sub>10</sub>                     | Poor        | 215↑      | PM <sub>10</sub> , PM <sub>2.5</sub> |

\*Data available for 38(2024), 34(2023), 34(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 05 Oct 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 | 267  | 278  | 278  | 278  | 279  | 278  | 278  | 278  | 279  |      |      |      |      |      |      |      |      |      |  |
| Good (0-50)           |             | 0    | 2    | 0    | 2    | 5    | 0    | 1    | 1    | 0    |      |      |      |      |      |      |      |      |      |  |
| Satisfactory (51-100) |             | 23   | 45   | 53   | 54   | 95   | 70   | 61   | 59   | 66   | 106  | 146  | 154  | 168  | 223  | 179  | 150  | 198  | 193  |  |
| Moderate (101-200)    |             | 83   | 99   | 101  | 112  | 123  | 109  | 88   | 138  | 127  |      |      |      |      |      |      |      |      |      |  |
| Poor (201-300)        |             | 99   | 94   | 89   | 75   | 39   | 59   | 106  | 56   | 50   |      |      |      |      |      |      |      |      |      |  |
| Very Poor (301-400)   |             | 56   | 38   | 29   | 28   | 15   | 34   | 21   | 21   | 33   | 161  | 132  | 124  | 110  | 56   | 99   | 128  | 80   | 86   |  |
| Severe (>401)         |             | 6    | 0    | 6    | 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 Oct 04 (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 04.10.24 to 06:00 am of 05.10.24)

| Date ↓ / parameter → | PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | PM <sub>10</sub> (µg/m <sup>3</sup> ) |
|----------------------|--|---------------------------------------|
| 04- Oct -2024        | 54↓                                    | 172↓                                  |

**Hotspots for Today:** \*Details given below

|           |  |               |                         |
|-----------|--|---------------|-------------------------|
| Delhi     | Anand Vihar, Mundka, Shadipur, Dwarka-Sector 8, Jahangirpuri | Ghaziabad     | Indirapuram, Vasundhara |
| Faridabad | New Industrial Town, Sector 11                               | Greater Noida | Knowledge Park - V      |
| Gurugram  | Sector-51  | Noida         | Sector – 116            |

**Forecast by IITM(Delhi):**

|                     |              |              |              |
|---------------------|--------------|--------------|--------------|
|                     | Oct 06, 2024 | Oct 07, 2024 | Oct 08, 2024 |
| <b>AQI Category</b> | Moderate     | Moderate     | Moderate     |

**Wind Forecast for Delhi:**

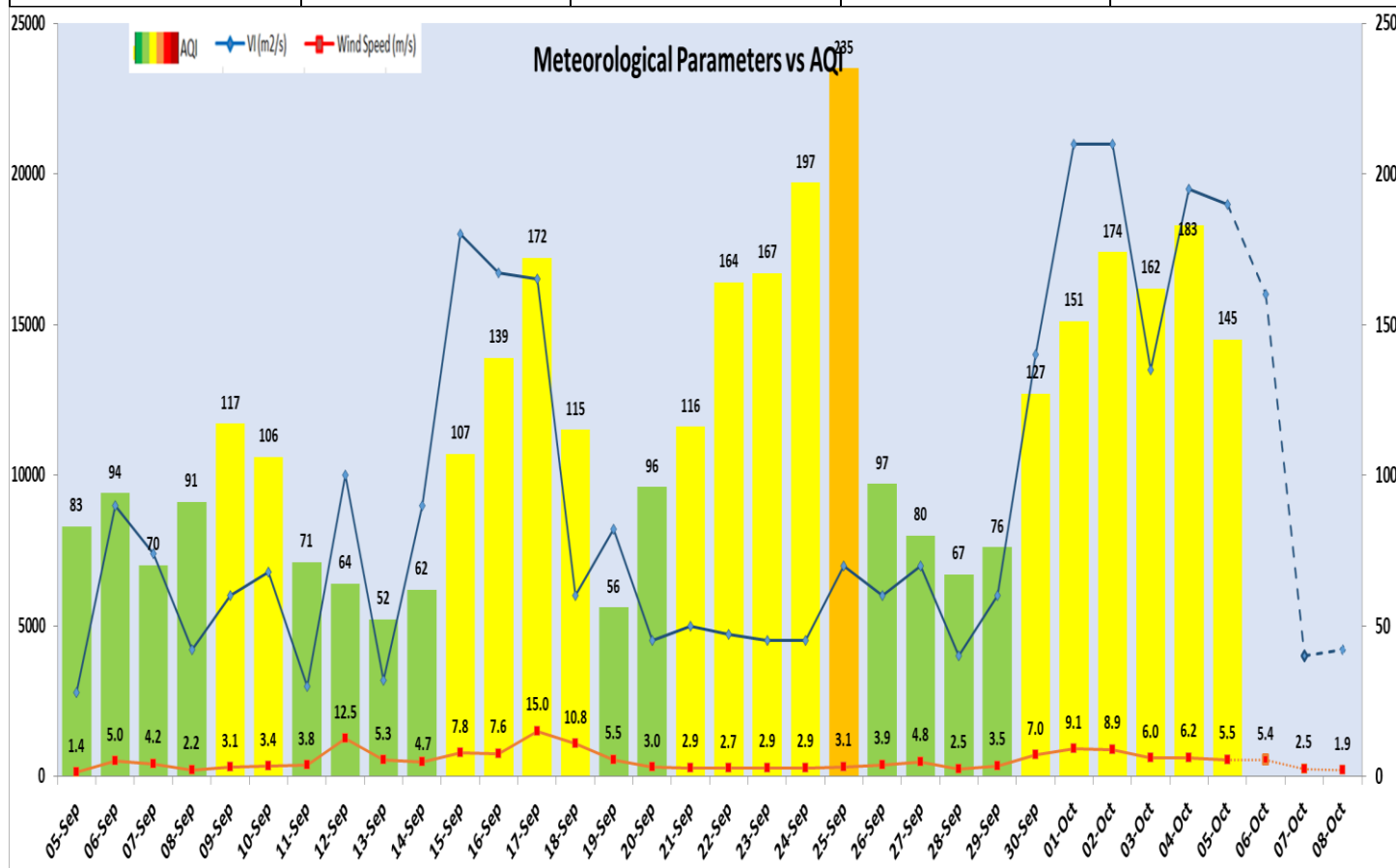
|              | Wind speed (at surface) in km/h |                                  | Wind speed (at 900 m) in km/h  | Wind Direction |                          |
|--------------|---------------------------------|----------------------------------|--------------------------------|----------------|--------------------------|
|              | 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 |
| Oct 06, 2024 | 06-12                           | 06                               | 19                             | VAR            | NW                       |
| Oct 07, 2024 | UPTO 12                         | 05                               | 11                             | ESE/E          | NW                       |
| Oct 08, 2024 | 12-08                           | 04                               | 06                             | E/ENE          | NW                       |

**IMD Alert for Tomorrow (06.10.2024):**

The air quality is likely to be in Moderate category from 06.10.2024 to 08.10.2024. The predominant surface wind is likely to be coming from variable directions in Delhi with wind speed 06-12 kmph and and mainly clear sky on 06.10.2024. Ventilation index is likely to be 16000 m<sup>2</sup>/s.

**Active Fire Events (AFE):**

| Date       | Punjab                |                              | Haryana               |                              |
|------------|-----------------------|------------------------------|-----------------------|------------------------------|
|            | No. of AFE on the day | Total AFE since September 15 | No. of AFE on the day | Total AFE since September 15 |
| 04.10.2024 | 09                    | 188                          | 09                    | 119                          |
| 04.10.2023 | 95                    | 656                          | 29                    | 166                          |
| 04.10.2022 | 65                    | 415                          | 07                    | 24                           |



| Delhi Temperature in (°C) |         |         |
|---------------------------|---------|---------|
| Date                      | Minimum | Maximum |
| 02-10-2024                | 26.2    | 35.4    |
| 03-10-2024                | 26.6    | 37.2    |
| 04-10-2024                | 24.8    | 37.0    |
| 05-10-2024                | 26.2    | 36.5    |

▪ **\*Hotspots for Today**

| City          | Station Name                              | AQI value | Air Quality  | Prominent Pollutant |
|---------------|---|-----------|--------------|---------------------|
| Delhi         | Anand Vihar, Delhi - DPCC                 | 390       | Very Poor    | PM <sub>10</sub>    |
|               | Mundka, Delhi - DPCC                      | 204       | Poor         | PM <sub>10</sub>    |
|               | Shadipur, Delhi - CPCB                    | 182       | Moderate     | PM <sub>10</sub>    |
|               | Dwarka-Sector 8, Delhi - DPCC             | 179       | Moderate     | PM <sub>10</sub>    |
|               | Jahangirpuri, Delhi - DPCC                | 178       | Moderate     | PM <sub>10</sub>    |
| Faridabad     | New Industrial Town, Faridabad - HSPCB    | 98        | Satisfactory | PM <sub>10</sub>    |
|               | Sector 11, Faridabad - HSPCB              | 92        | Satisfactory | PM <sub>2.5</sub>   |
| Gurugram      | Sector-51, Gurugram - HSPCB               | 137       | Moderate     | PM <sub>2.5</sub>   |
| Ghaziabad     | Indirapuram, Ghaziabad - UPPCB            | 171       | Moderate     | PM <sub>10</sub>    |
|               | Vasundhara, Ghaziabad - UPPCB             | 170       | Moderate     | PM <sub>10</sub>    |
| Greater Noida | Knowledge Park - V, Greater Noida - UPPCB | 194       | Moderate     | PM <sub>10</sub>    |
| Noida         | Sector-116, Noida - UPPCB                 | 216       | Poor         | PM <sub>10</sub>    |