



Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – November 04, 2024



Current Air Quality Status:

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

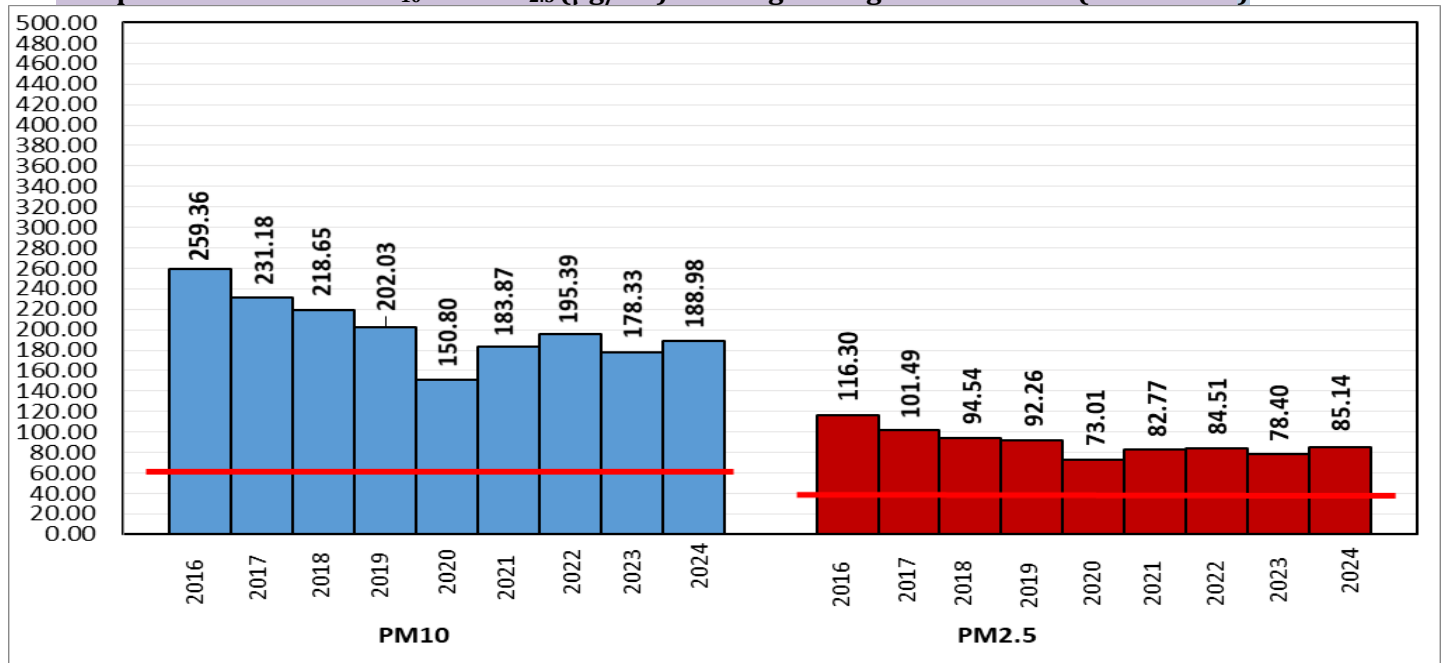
| | 2024 | | | 2023 | | | 2022 | | |
|---------------|-------------|-----------|--------------------------------------|-------------|-----------|---------------------|-------------|-----------|---------------------|
| | Air Quality | AQI Value | Prominent Pollutant | Air Quality | AQI Value | Prominent Pollutant | Air Quality | AQI Value | Prominent Pollutant |
| Delhi | Very Poor | 381↓ | PM _{2.5} | Severe | 415↓ | PM ₁₀ | Severe | 447↓ | PM _{2.5} |
| Faridabad | Poor | 260↑ | PM _{2.5} | Severe | 438↓ | PM _{2.5} | Severe | 425↑ | PM _{2.5} |
| Ghaziabad | Very Poor | 314↑ | PM _{2.5} , PM ₁₀ | Very Poor | 394↓ | PM _{2.5} | Severe | 411↓ | PM _{2.5} |
| Greater Noida | Very Poor | 305↑ | O ₃ , PM _{2.5} | Severe | 490↓ | PM _{2.5} | Severe | 425↑ | PM _{2.5} |
| Gurugram | Very Poor | 310↑ | PM _{2.5} | Severe | 404↑ | PM _{2.5} | Severe | 416↓ | PM _{2.5} |
| Noida | Very Poor | 319↑ | PM _{2.5} , PM ₁₀ | Severe | 408↓ | PM _{2.5} | Severe | 406↓ | PM _{2.5} |

*Data available for 39(2024), 35(2023), 37(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 04 Nov 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 | 297 | 308 | 308 | 308 | 309 | 308 | 308 | 308 | 309 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | |
| Good (0–50) | | 0 | 2 | 0 | 2 | 5 | 1 | 3 | 1 | 0 | | | | | | | | | | |
| Satisfactory (51–100) | | 23 | 45 | 53 | 57 | 95 | 72 | 65 | 60 | 66 | 110 | 149 | 157 | 175 | 224 | 197 | 160 | 206 | 201 | |
| Moderate (101–200) | | 87 | 102 | 104 | 116 | 124 | 124 | 92 | 145 | 135 | | | | | | | | | | |
| Poor (201–300) | | 116 | 104 | 104 | 88 | 56 | 68 | 115 | 69 | 60 | | | | | | | | | | |
| Very Poor (301–400) | | 60 | 52 | 39 | 33 | 27 | 37 | 29 | 28 | 45 | 187 | 159 | 151 | 133 | 85 | 111 | 148 | 102 | 108 | |
| Severe (>401) | | 11 | 3 | 8 | 12 | 2 | 6 | 4 | 5 | 3 | | | | | | | | | | |

Comparative status of PM₁₀ and PM_{2.5} (µg/m³) running average - Till Nov 03 (2016-2024)



*Red line shows the annual average concentration standards for PM₁₀ and PM_{2.5}.

Daily Average of Particulates in Delhi (24 hourly average value; from 06:00am of 03.11.24 to 06:00 am of 04.11.24)

| Date ↓ / parameter → | PM _{2.5} (µg/m ³) | PM ₁₀ (µg/m ³) |
|----------------------|--|---------------------------------------|
| 03-Nov-2024 | 221↑ | 370↑ |

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

| | | | |
|-----------|---|---------------|---------------------------|
| Delhi | Vivek Vihar, Anand Vihar, Jahangirpuri, Ashok Vihar, Wazirpur | Ghaziabad | Loni, Vasundhara |
| Faridabad | Sector 30, Sector 11 | Greater Noida | Knowledge Park - III |
| Gurugram | NISE Gwal Pahari, Vikas Sadan | Noida | Sector - 62, Sector - 116 |

▪ **Forecast by IITM(Delhi):**

| | | | |
|---------------------|--------------|--------------|--------------|
| | Nov 05, 2024 | Nov 06, 2024 | Nov 07, 2024 |
| AQI Category | 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 |
| Nov 05, 2024 | 04-10 | 03 | 05 | SE/E | W |
| Nov 06, 2024 | 04-15 | 07 | 11 | SE/E | NW |
| Nov 07, 2024 | 04-10 | 05 | 06 | SE/E | N |

▪ **IMD Alert for Tomorrow (05.11.2024):**

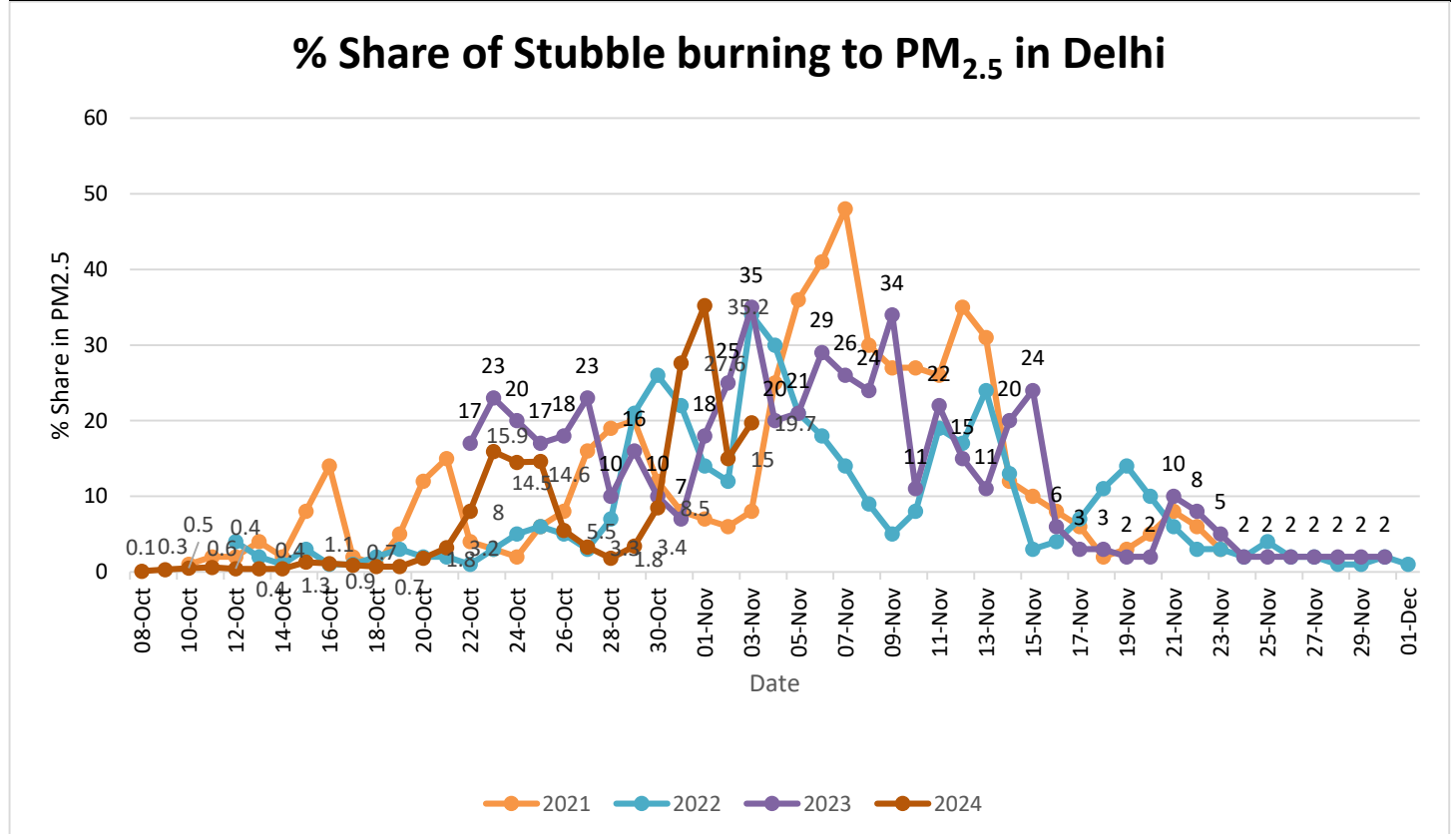
The air quality is likely to be in Very Poor category from 05.11.2024 to 07.11.2024. The predominant surface wind is likely to be coming from Southeast/East direction in Delhi with wind speed 04-10 kmph, mist in the morning, mainly clear sky and smog condition on 05.11.2024. Ventilation index is likely to be 2950 m²/s.

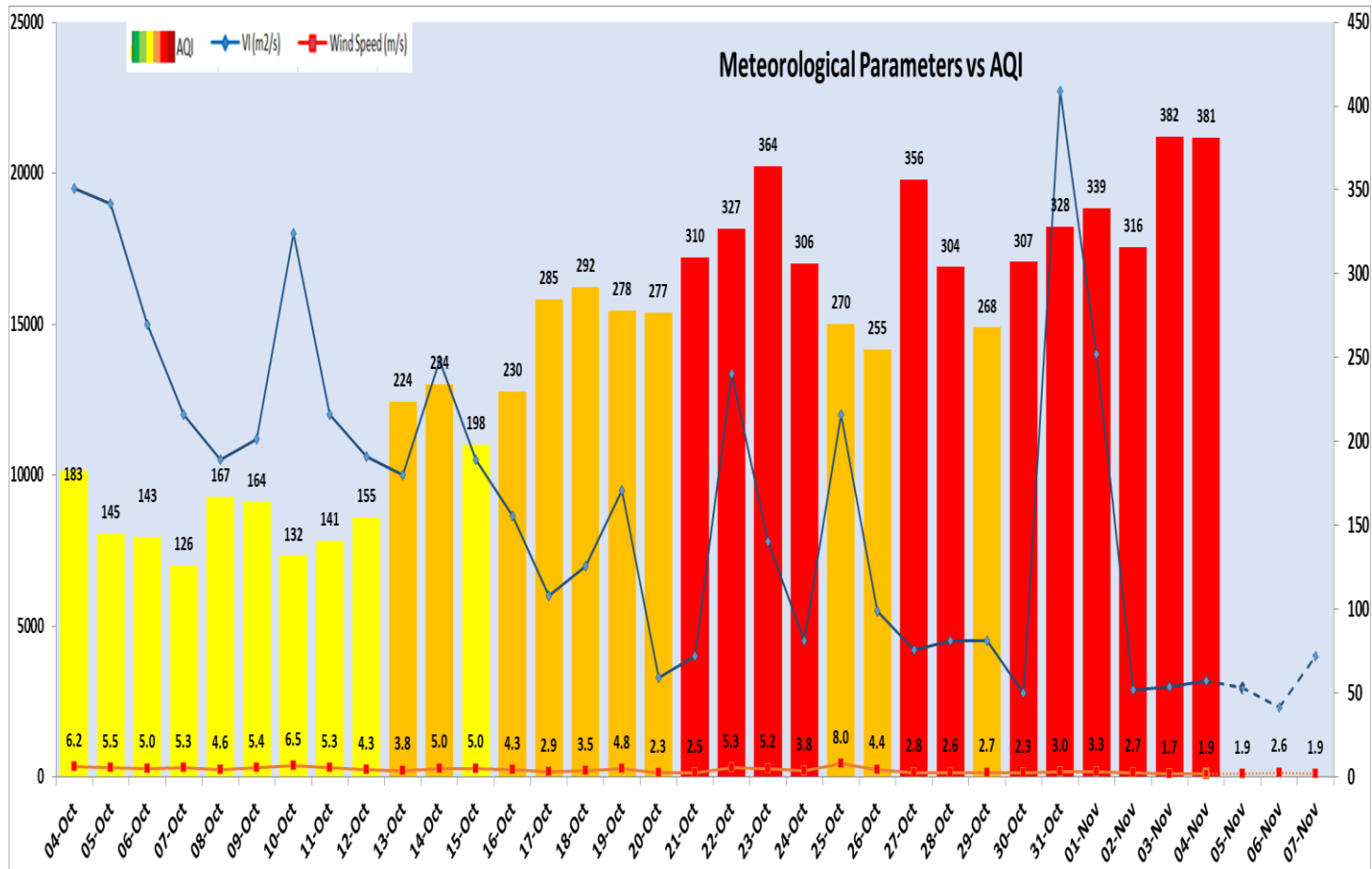
▪ **Active Fire Events (AFE):**

| 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 |
| 03.11.2024 | 216 | 4132 | 19 | 857 |
| 03.11.2023 | 1551 | 12813 | 28 | 1372 |
| 03.11.2022 | 2666 | 24146 | 128 | 2377 |

▪ **% Share of Stubble burning to PM_{2.5} in Delhi**

03.11.2024 *As per IITM, the impact of stubble burning is ~ 19.7 %





Delhi Temperature in (°C)

| Date | Minimum | Maximum |
|------------|---------|---------|
| 01-11-2024 | 18.4 | 34.1 |
| 02-11-2024 | 17.1 | 33.6 |
| 03-11-2024 | 16.5 | 33.9 |
| 04-11-2024 | 16.6 | 33.2 |

* Source – IMD (08:30 hrs.)

*Hotspots for Today

| City | Station Name | AQI value | Air Quality | Prominent Pollutant |
|---------------|---|-----------|-------------|---------------------|
| Delhi | Vivek Vihar, Delhi - DPCC | 431 | Severe | PM _{2.5} |
| | Anand Vihar, Delhi - DPCC | 429 | Severe | PM _{2.5} |
| | Jahangirpuri, Delhi - DPCC | 422 | Severe | PM _{2.5} |
| | Ashok Vihar, Delhi - DPCC | 420 | Severe | PM _{2.5} |
| | Wazirpur, Delhi - DPCC | 417 | Severe | PM _{2.5} |
| Faridabad | Sector 30, Faridabad - HSPCB | 271 | Poor | PM _{2.5} |
| | Sector 11, Faridabad - HSPCB | 266 | Poor | PM _{2.5} |
| Gurugram | NISE Gwal Pahari, Gurugram - IMD | 369 | Very Poor | PM _{2.5} |
| | Vikas Sadan, Gurugram - HSPCB | 319 | Very Poor | PM _{2.5} |
| Ghaziabad | Loni, Ghaziabad - UPPCB | 383 | Very Poor | PM _{2.5} |
| | Vasundhara, Ghaziabad - UPPCB | 322 | Very Poor | PM ₁₀ |
| Greater Noida | Knowledge Park - III, Greater Noida - UPPCB | 309 | Very Poor | PM _{2.5} |
| Noida | Sector - 62, Noida - IMD | 349 | Very Poor | PM ₁₀ |
| | Sector-116, Noida - UPPCB | 323 | Very Poor | PM _{2.5} |