



Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – December 17, 2024



Current Air Quality Status:

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

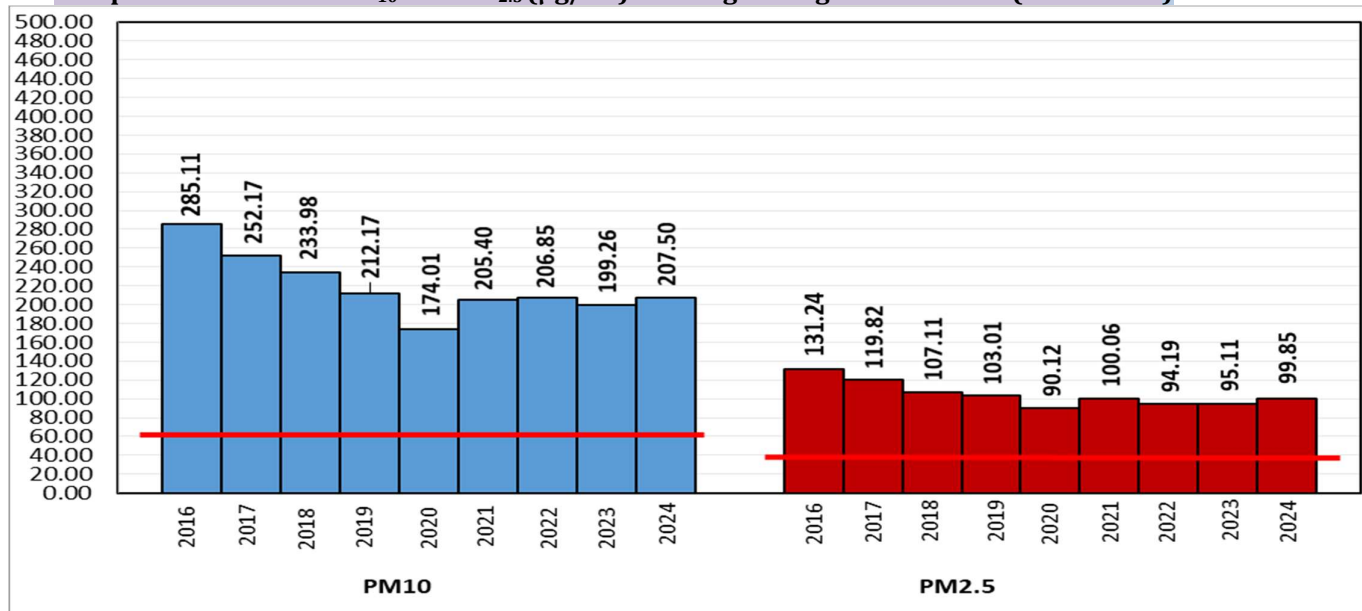
| | 2024 | | | 2023 | | | 2022 | | |
|---------------|-------------|-----------|--------------------------------------|-------------|-----------|--------------------------------------|-------------|-----------|---------------------|
| | Air Quality | AQI Value | Prominent Pollutant | Air Quality | AQI Value | Prominent Pollutant | Air Quality | AQI Value | Prominent Pollutant |
| Delhi | Severe | 433↑ | PM _{2.5} | Very Poor | 331↓ | PM _{2.5} | Very Poor | 304↑ | PM _{2.5} |
| Faridabad | Poor | 265↑ | PM ₁₀ , PM _{2.5} | Poor | 275↓ | PM ₁₀ , PM _{2.5} | Poor | 254↑ | PM _{2.5} |
| Ghaziabad | Severe | 403↑ | PM _{2.5} | Poor | 283↓ | PM ₁₀ , PM _{2.5} | Poor | 285↑ | PM ₁₀ |
| Greater Noida | Very Poor | 380↑ | PM _{2.5} | Poor | 300↓ | PM _{2.5} | Poor | 300↑ | PM ₁₀ |
| Gurugram | Very Poor | 364↑ | PM _{2.5} | Poor | 265↓ | PM _{2.5} | Poor | 287↑ | PM _{2.5} |
| Noida | Very Poor | 390↑ | PM _{2.5} | Poor | 296↓ | PM ₁₀ , PM _{2.5} | Poor | 288↑ | PM _{2.5} |

*Data available for 35(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 17 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 | 340 | 351 | 351 | 351 | 352 | 351 | 351 | 351 | 352 | | | | | | | | | |
| 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 | 159 | 180 | 227 | 197 | 163 | 206 | 207 |
| Moderate (101–200) | | 87 | 103 | 106 | 120 | 127 | 124 | 95 | 145 | 141 | | | | | | | | | |
| Poor (201–300) | | 119 | 112 | 112 | 101 | 70 | 74 | 130 | 75 | 68 | | | | | | | | | |
| Very Poor (301–400) | | 86 | 81 | 64 | 50 | 43 | 62 | 53 | 58 | 65 | 230 | 201 | 192 | 171 | 125 | 154 | 188 | 145 | 145 |
| Severe (>401) | | 25 | 8 | 16 | 20 | 12 | 18 | 5 | 12 | 12 | | | | | | | | | |

Comparative status of PM₁₀ and PM_{2.5} (µg/m³) running average - Till Dec 16 (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 16.12.24 to 06:00 am of 17.12.24)

| Date ↓ / parameter → | PM _{2.5} (µg/m ³) | PM ₁₀ (µg/m ³) |
|----------------------|--|---------------------------------------|
| 16-Dec-2024 | 300↑ | 465↑ |

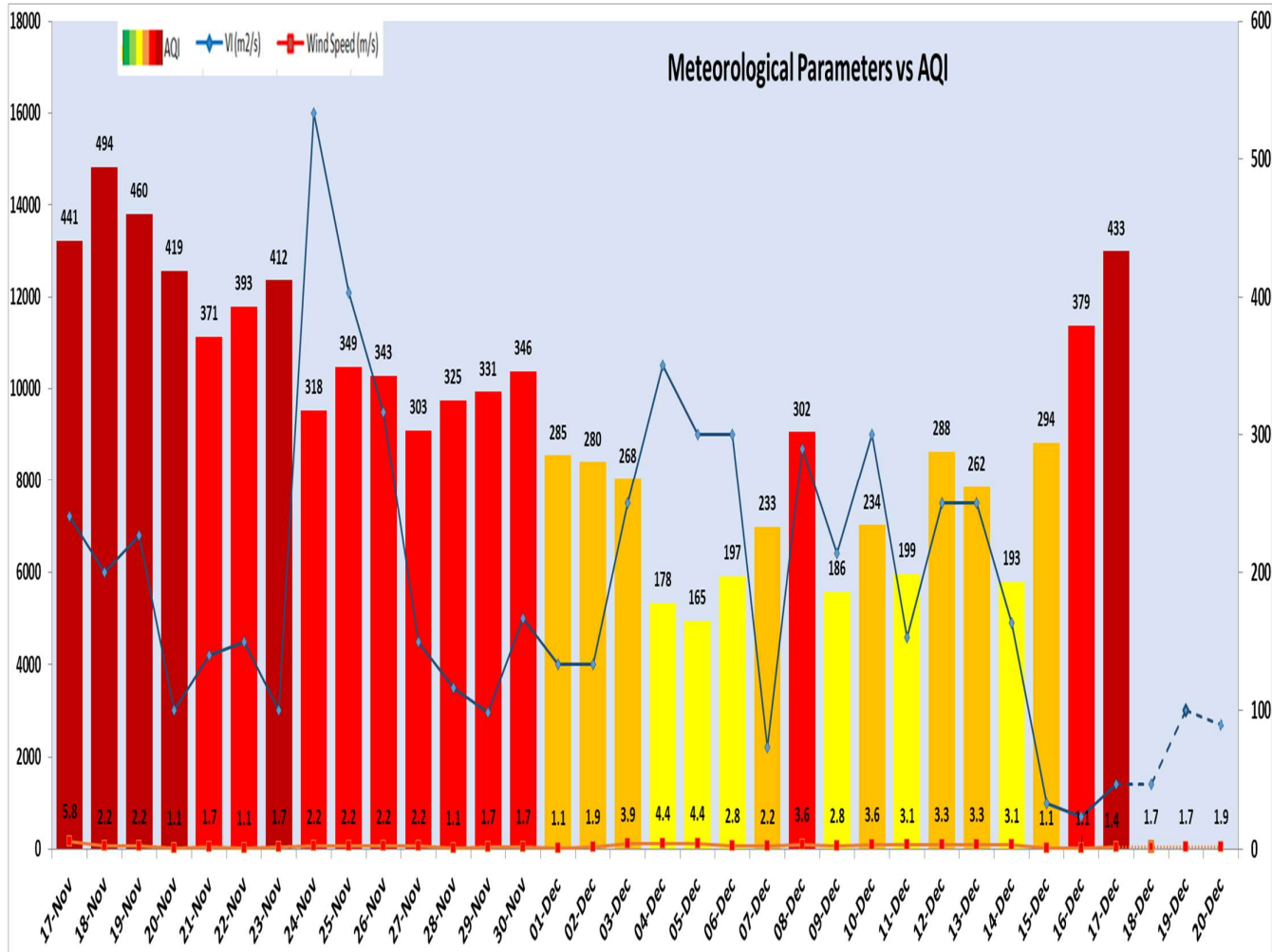
| Hotspots for Today: | | *Details given below | |
|---------------------|--|----------------------|--------------------------------------|
| Delhi | Burari Crossing, Bawana, Nehru Nagar, Anand Vihar, Vivek Vihar | Ghaziabad | Indirapuram, Loni |
| Faridabad | New Industrial Town, Sector 11 | Greater Noida | Knowledge Park - V |
| Gurugram | Vikas Sadan | Noida | Sector - 62, Sector-116, Sector -125 |

| Forecast by IITM(Delhi): | | | |
|--------------------------|--------------|--------------|--------------|
| | Dec 18, 2024 | Dec 19, 2024 | Dec 20, 2024 |
| AQI Category | Severe | 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 |
| Dec 18, 2024 | 04-08 | 05 | 05 | NW | W |
| Dec 19, 2024 | 04-08 | 04 | 10 | SE | SE |
| Dec 20, 2024 | 04-10 | 07 | 21 | NE/NW | N |

IMD Alert for Tomorrow (18.12.2024):

The air quality is likely to be in Severe category on 18.12.2024. The predominant surface wind is likely to be from Northwest direction with speed less than 04 kmph during morning hours. Smog/moderate to dense fog is likely in the morning. The wind speed will increase thereafter becoming less than 06 kmph from Northwest direction during afternoon. It will decrease thereafter becoming less than 04 kmph from variable direction during evening and night. Smog/shallow fog is likely in the evening/night and mainly clear sky on 18.12.2024 Ventilation index is likely to be 1400 m²/s.



| Delhi Temperature in (°C)* | | |
|----------------------------|---------|---------|
| Date | Minimum | Maximum |
| 14-12-2024 | 8.0 | 22.8 |
| 15-12-2024 | 4.9 | 23.4 |
| 16-12-2024 | 4.5 | 23.2 |
| 17-12-2024 | 5.9 | 24.5 |

* Source – IMD (08:30 hrs.)

| *Hotspots for Today | | | | |
|---------------------|---|-----------|-------------|---------------------|
| City | Station Name | AQI value | Air Quality | Prominent Pollutant |
| Delhi | Burari Crossing, Delhi - IMD | 481 | Severe | PM _{2.5} |
| | Bawana, Delhi - DPCC | 478 | Severe | PM _{2.5} |
| | Nehru Nagar, Delhi - DPCC | 476 | Severe | PM _{2.5} |
| | Anand Vihar, Delhi - DPCC | 475 | Severe | PM _{2.5} |
| | Vivek Vihar, Delhi - DPCC | 475 | Severe | PM _{2.5} |
| Faridabad | New Industrial Town, Faridabad - HSPCB | 319 | Very Poor | PM _{2.5} |
| | Sector 11, Faridabad - HSPCB | 376 | Very Poor | PM _{2.5} |
| Gurugram | Vikas Sadan, Gurugram - HSPCB | 378 | Very Poor | PM _{2.5} |
| Ghaziabad | Indirapuram, Ghaziabad - UPPCB | 449 | Severe | PM _{2.5} |
| | Loni, Ghaziabad - UPPCB | 421 | Severe | PM _{2.5} |
| Greater Noida | Knowledge Park - V, Greater Noida - UPPCB | 407 | Severe | PM _{2.5} |
| Noida | Sector - 62, Noida - IMD | 435 | Severe | PM _{2.5} |
| | Sector-116, Noida - UPPCB | 404 | Severe | PM _{2.5} |
| | Sector - 125, Noida - UPPCB | 397 | Very Poor | PM _{2.5} |