



# Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – October 23, 2021



## Current Air Quality Status:

### Air Quality Index (AQI) (Average of past 24 hours)

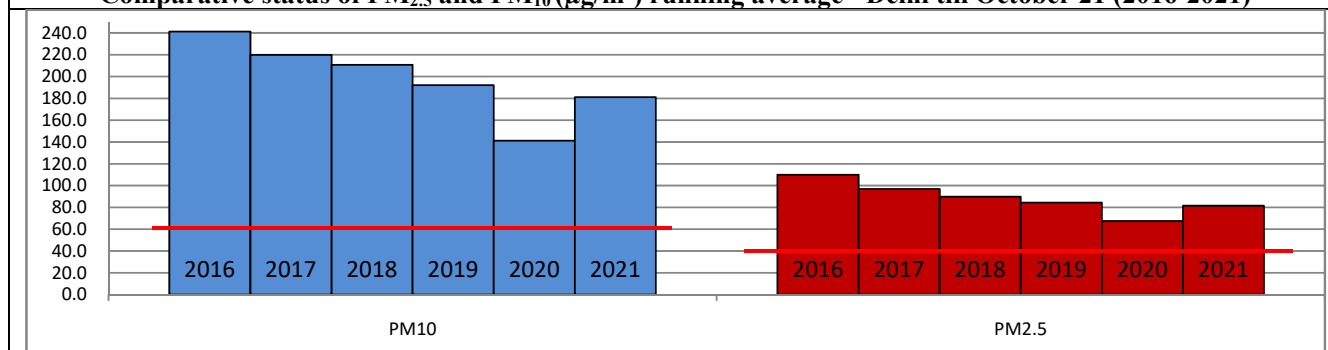
|               | Air Quality | AQI Value | Prominent Pollutant                       |
|---------------|-------------|-----------|---|
| Delhi         | Moderate    | 173       | PM <sub>10</sub>                          |
| Faridabad     | Moderate    | 158       | PM <sub>10</sub> , PM <sub>2.5</sub>      |
| Ghaziabad     | Poor        | 249       | PM <sub>10</sub> , PM <sub>2.5</sub>      |
| Greater Noida | Poor        | 217       | PM <sub>10</sub>                          |
| Gurugram      | Moderate    | 150       | PM <sub>10</sub> , PM <sub>2.5</sub> , CO |
| Noida         | Moderate    | 190       | PM <sub>10</sub> , PM <sub>2.5</sub>      |

\*Data available for 37 stations in Delhi today. arrows indicate increase/decrease as compared to value on the previous day

### Comparative status of AQI - Delhi from 01 January to 23 October 2016-2021

| Category              | Year        | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                       | No. of days | 285  | 296  | 296  | 296  | 297  | 296  |      |      |      |      |      |      |
| Good (0–50)           |             | 0    | 2    | 0    | 2    | 5    | 1    |      |      |      |      |      |      |
| Satisfactory (51–100) |             | 25   | 45   | 53   | 58   | 95   | 71   | 108  | 150  | 157  | 175  | 224  | 194  |
| Moderate (101–200)    |             | 83   | 103  | 104  | 115  | 124  | 122  |      |      |      |      |      |      |
| Poor (201–300)        |             | 115  | 104  | 102  | 86   | 54   | 63   |      |      |      |      |      |      |
| Very Poor (301–400)   |             | 56   | 42   | 31   | 28   | 17   | 33   | 177  | 146  | 139  | 121  | 73   | 102  |
| Severe (>401)         |             | 6    | 0    | 6    | 7    | 2    | 6    |      |      |      |      |      |      |

### Comparative status of PM<sub>2.5</sub> and PM<sub>10</sub> (µg/m<sup>3</sup>) running average - Delhi till October 21 (2016-2021)



### Hotspots for Today:

\*Details given overleaf

|           |  |               |                      |
|-----------|--|---------------|----------------------|
| Delhi     | Narela, Dwarka-Sector 8, Sonia Vihar, Wazirpur, Mundka | Greater Noida | Knowledge Park - V   |
| Faridabad | Sector 30, Sector 16-A                                 | Gurugram      | Sector 51, Teri Gram |
| Ghaziabad | Loni, Sanjay Nagar                                     | Noida         | Sector 116, Sector 1 |

### Forecast by IITM:

| Parameters        | October 24, 2021 |              | October 25, 2021– October 26, 2021 |              |
|-------------------|------------------|--------------|------------------------------------|--------------|
|                   | Concentration    | AQI Category | Concentration                      | AQI Category |
| PM <sub>10</sub>  | 192              | Moderate     | 227                                | Moderate     |
| PM <sub>2.5</sub> | 80               | Moderate     | 94                                 | Poor         |

▪ **Wind Forecast for Delhi:**

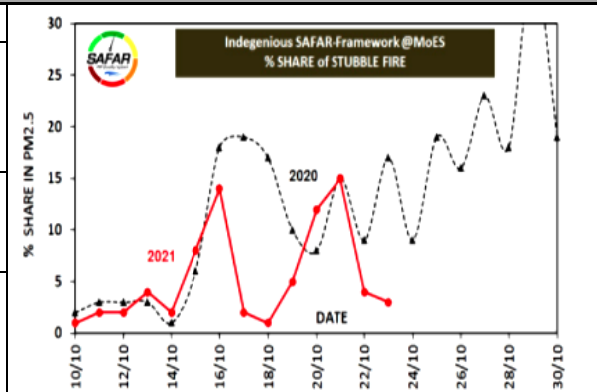
| Dates            | Wind speed (at surface) in km/h |                                  | Wind speed (at 900 m) in km/h  | Wind Direction            |                          |
|------------------|---------------------------------|----------------------------------|--------------------------------|---------------------------|--------------------------|
|                  | As per IMD (at 17:30 hrs.)      | As per windy.com (at 16:00 hrs.) | As per windy.com (at 16:00hrs) | As per IMD (at 17:30hrs.) | As per windy.com at 900m |
| October 24, 2021 | 10                              | 15                               | 9                              | ESE                       | E                        |
| October 25, 2021 | 08                              | 06                               | 17                             | N                         | NW                       |
| October 26, 2021 | 06                              | 08                               | 17                             | N                         | NW                       |

▪ **IMD Alert for Tomorrow (24.10.2021):**

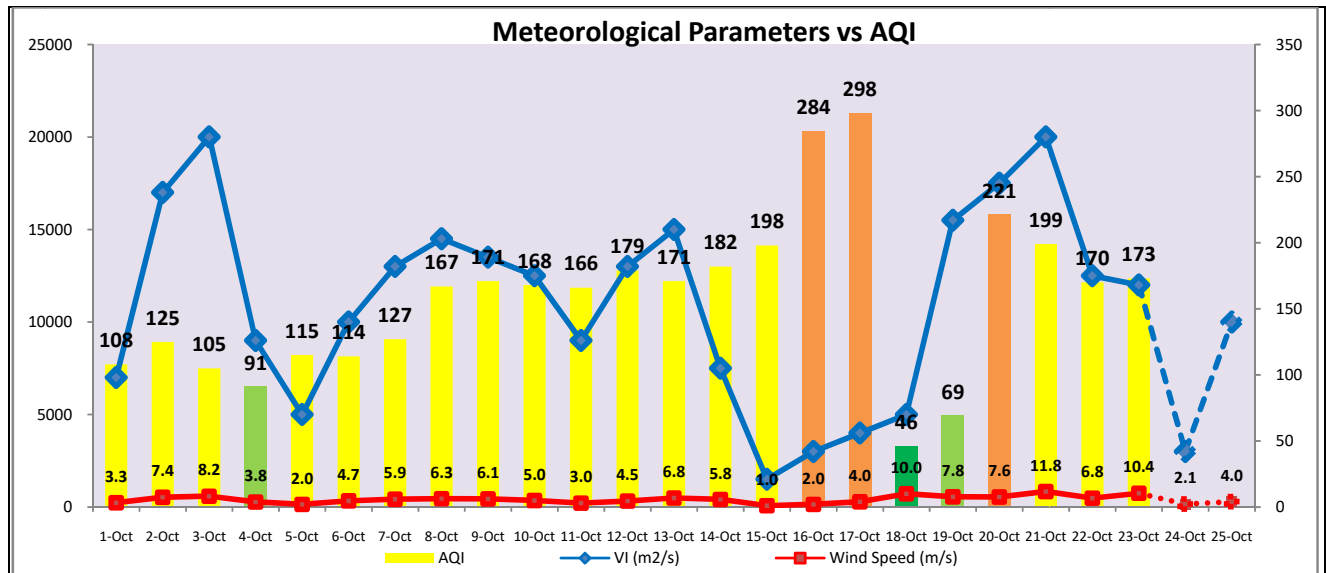
The air quality over Delhi-NCT is likely to remain in Moderate to Satisfactory category. The predominant surface wind is likely to be coming from Southeast directions of Delhi with wind speed of 08-20 kmph, generally cloudy sky and light rain/ thundershowers accompanied with gusty winds (speed 30-40 kmph). Ventilation index is likely to be 3,000 m<sup>2</sup>/s.

▪ **Active Fire Events (AFE)**

| Date       | Punjab          |                          | Haryana         |                          |
|------------|-----------------|--------------------------|-----------------|--------------------------|
|            | Nos. on the day | Total since September 21 | Nos. on the day | Total since September 21 |
| 22.10.2021 | 1111            | 5438                     | 140             | 1508                     |
| 22.10.2020 | 1341            | 10785                    | 179             | 3369                     |



The contribution of biomass burning in PM2.5 concentration is likely to be less than 2% on 23.10.2021.



▪ Hotspots for Today

| City          | Station Name                              | AQI value | Air Quality | Prominent Pollutant |
|---------------|---|-----------|-------------|---------------------|
| Delhi         | Narela, Delhi - DPCC                      | 255       | Poor        | PM <sub>10</sub>    |
|               | Dwarka-Sector 8, Delhi - DPCC             | 252       | Poor        | O <sub>3</sub>      |
|               | Sonia Vihar, Delhi - DPCC                 | 251       | Poor        | PM <sub>10</sub>    |
|               | Wazirpur, Delhi - DPCC                    | 249       | Poor        | PM <sub>10</sub>    |
|               | Mundka, Delhi - DPCC                      | 239       | Poor        | PM <sub>2.5</sub>   |
| Faridabad     | Sector 30, Faridabad - HSPCB              | 213       | Poor        | PM <sub>2.5</sub>   |
|               | Sector- 16A, Faridabad - HSPCB            | 156       | Moderate    | PM <sub>2.5</sub>   |
| Gurugram      | Sector-51, Gurugram - HSPCB               | 202       | Poor        | PM <sub>10</sub>    |
|               | Teri Gram, Gurugram - HSPCB               | 190       | Moderate    | PM <sub>10</sub>    |
| Ghaziabad     | Loni, Ghaziabad - UPPCB                   | 279       | Poor        | PM <sub>10</sub>    |
|               | Sanjay Nagar, Ghaziabad - UPPCB           | 245       | Poor        | PM <sub>10</sub>    |
| Greater Noida | Knowledge Park - V, Greater Noida - UPPCB | 264       | Poor        | PM <sub>10</sub>    |
| Noida         | Sector-116, Noida - UPPCB                 | 230       | Poor        | PM <sub>10</sub>    |
|               | Sector-1, Noida - UPPCB                   | 184       | Moderate    | PM <sub>10</sub>    |