



# Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – November 09, 2021



## Current Air Quality Status:

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

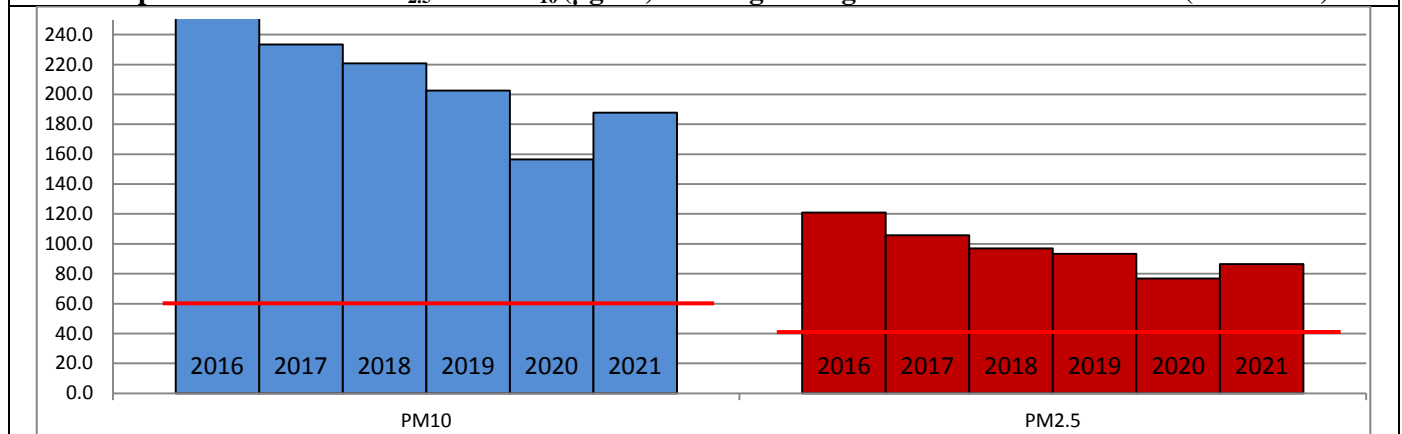
|               | Air Quality | AQI Value | Prominent Pollutant                  |
|---------------|-------------|-----------|--------------------------------------|
| Delhi         | Severe      | 404 ↑     | PM <sub>10</sub> , PM <sub>2.5</sub> |
| Faridabad     | Severe      | 430 ↑     | PM <sub>10</sub> , PM <sub>2.5</sub> |
| Ghaziabad     | Severe      | 451 ↑     | PM <sub>2.5</sub>                    |
| Greater Noida | Severe      | 412 ↑     | PM <sub>2.5</sub>                    |
| Gurugram      | Very Poor   | 368 ↓     | PM <sub>2.5</sub>                    |
| Noida         | Severe      | 426 ↑     | 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 09 November 2016-2021

| Category              | Year<br>No. of days | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |  |
|-----------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|
|                       |                     | 302  | 313  | 313  | 313  | 314  | 313  |      |      |      |      |      |      |  |
| Good (0-50)           |                     | 0    | 2    | 0    | 2    | 5    | 1    |      |      |      |      |      |      |  |
| Satisfactory (51-100) |                     | 25   | 45   | 53   | 58   | 95   | 72   | 108  | 150  | 158  | 175  | 224  | 197  |  |
| Moderate (101-200)    |                     | 83   | 103  | 105  | 115  | 124  | 124  |      |      |      |      |      |      |  |
| Poor (201-300)        |                     | 116  | 102  | 104  | 90   | 56   | 69   |      |      |      |      |      |      |  |
| Very Poor (301-400)   |                     | 62   | 57   | 42   | 36   | 27   | 37   | 194  | 163  | 155  | 138  | 90   | 116  |  |
| Severe (>401)         |                     | 16   | 4    | 9    | 12   | 7    | 10   |      |      |      |      |      |      |  |

### Comparative status of PM<sub>2.5</sub> and PM<sub>10</sub> (µg/m<sup>3</sup>) running average - Delhi till November 08 (2016-2021)



\* The PM values are 24 hourly averages (6 am to 6 am)

### Hotspots for Today:

\*Details given overleaf

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

### Forecast by IITM:

| Parameters        | November 10, 2021 |              | November 11, 2021– November 12, 2021 |              |
|-------------------|-------------------|--------------|--------------------------------------|--------------|
|                   | Concentration     | AQI Category | Concentration                        | AQI Category |
| PM <sub>10</sub>  | 333               | Poor         | 407                                  | Very Poor    |
| PM <sub>2.5</sub> | 203               | Very Poor    | 249                                  | Very Poor    |

**Wind Forecast for Delhi:**

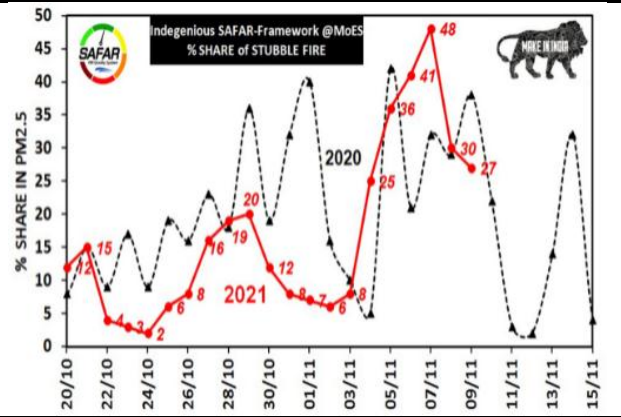
| Dates             | Wind speed (at surface) in km/h |                                  | Wind speed (at 900 m) in km/h  | Wind Direction            |                          |
|-------------------|---------------------------------|----------------------------------|--------------------------------|---------------------------|--------------------------|
|                   | 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 |
| November 10, 2021 | 12                              | 09                               | 22                             | NW                        | NW                       |
| November 11, 2021 | 16                              | 10                               | 26                             | NW                        | NW                       |
| November 12, 2021 | 12                              | 10                               | 27                             | NW                        | NW                       |

**IMD Alert for Tomorrow (10.11.2021):**

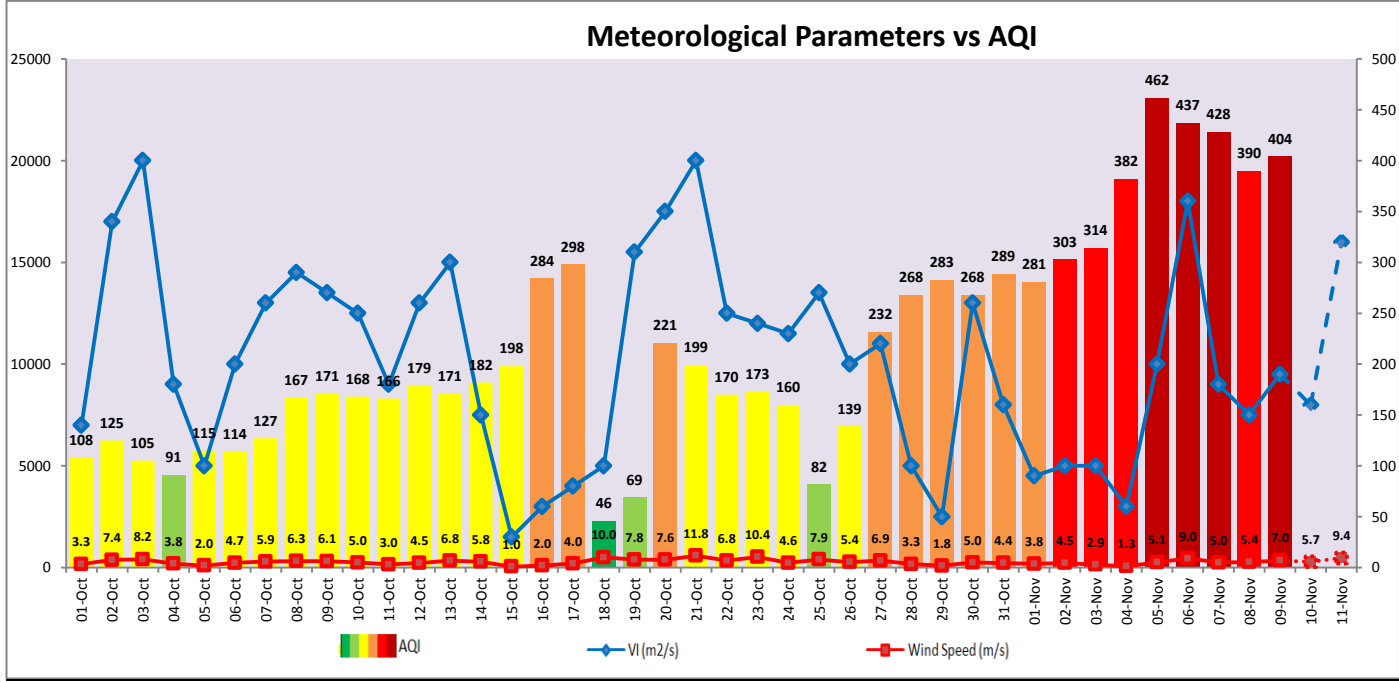
The air quality is likely to remain in Very Poor category on 10.11.2021 and 11.11.2021. The predominant surface wind is likely to be coming from Northwest directions of Delhi with wind speed of 04-12 kmph, partly cloudy sky and shallow fog in the morning. Ventilation index is likely to be 11,500 m<sup>2</sup>/s.

**Active Fire Events (AFEs)**

| Date       | Punjab          |                          | Haryana         |                          |
|------------|-----------------|--------------------------|-----------------|--------------------------|
|            | Nos. on the day | Total since September 21 | Nos. on the day | Total since September 21 |
| 08.11.2021 | 4397            | 42475                    | 138             | 4536                     |
| 08.11.2020 | 3674            | 67654                    | 115             | 3253                     |



The contribution of biomass burning in PM<sub>2.5</sub> concentration is likely to be approximately 24% on 09.11.2021 as winds are favourable for transportation of pollutants.



▪ **Hotspots for Today**

| City          | Station Name                              | AQI value | Air Quality | Prominent Pollutant |
|---------------|-------------------------------------------|-----------|-------------|---------------------|
| Delhi         | Jahangirpuri, Delhi - DPCC                | 456       | Severe      | PM <sub>2.5</sub>   |
|               | Alipur, Delhi - DPCC                      | 442       | Severe      | PM <sub>2.5</sub>   |
|               | Anand Vihar, Delhi - DPCC                 | 442       | Severe      | PM <sub>10</sub>    |
|               | Wazirpur, Delhi - DPCC                    | 441       | Severe      | PM <sub>2.5</sub>   |
|               | Vivek Vihar, Delhi - DPCC                 | 436       | Severe      | PM <sub>2.5</sub>   |
| Faridabad     | Sector 11, Faridabad - HSPCB              | 471       | Severe      | PM <sub>2.5</sub>   |
|               | Sector 30, Faridabad - HSPCB              | 427       | Severe      | PM <sub>2.5</sub>   |
| Gurugram      | NISE Gwal Pahari, Gurugram - IMD          | 386       | Very Poor   | PM <sub>2.5</sub>   |
|               | Vikas Sadan, Gurugram - HSPCB             | 373       | Very Poor   | PM <sub>2.5</sub>   |
| Ghaziabad     | Loni, Ghaziabad - UPPCB                   | 467       | Severe      | PM <sub>2.5</sub>   |
|               | Indirapuram, Ghaziabad - UPPCB            | 443       | Severe      | PM <sub>2.5</sub>   |
| Greater Noida | Knowledge Park - V, Greater Noida - UPPCB | 428       | Severe      | PM <sub>2.5</sub>   |
| Noida         | Sector - 62, Noida - IMD                  | 445       | Severe      | PM <sub>10</sub>    |
|               | Sector-116, Noida - UPPCB                 | 430       | Severe      | PM <sub>2.5</sub>   |