



# Central Pollution Control Board

Air Quality Status for Delhi & NCR

Dated – October 31, 2022



## Current Air Quality Status:

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

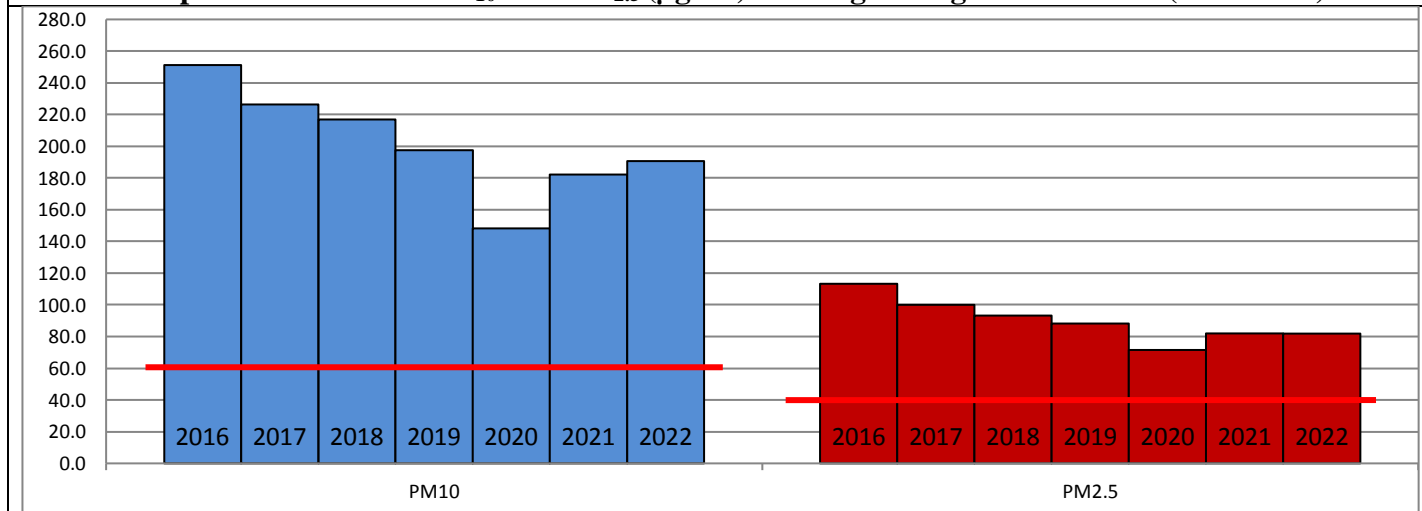
|               | Air Quality | AQI Value | Prominent Pollutant                  |
|---------------|-------------|-----------|--------------------------------------|
| Delhi         | Very Poor   | 392 ↑     | PM <sub>10</sub> , PM <sub>2.5</sub> |
| Faridabad     | Very Poor   | 363 ↓     | PM <sub>10</sub> , PM <sub>2.5</sub> |
| Ghaziabad     | Very Poor   | 353 ↑     | PM <sub>2.5</sub>                    |
| Greater Noida | Very Poor   | 352 ↓     | PM <sub>10</sub> , PM <sub>2.5</sub> |
| Gurugram      | Very Poor   | 376 ↑     | PM <sub>2.5</sub>                    |
| Noida         | Very Poor   | 374 ↑     | PM <sub>10</sub> , PM <sub>2.5</sub> |

\*Data available for 35 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 31 October 2016-2022

| Category              | Year | 2016        |      |      |      |      |      |      | 2022 |      |      |      |      |      |      |      |     |     |     |     |     |     |
|-----------------------|------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
|                       |      | No. of days | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |     |     |     |     |     |     |
| Good (0-50)           |      | 293         | 304  | 304  | 304  | 305  | 304  | 304  | 0    | 2    | 0    | 2    | 5    | 1    | 3    | 110  | 150 | 157 | 175 | 224 | 197 | 160 |
| Satisfactory (51-100) |      | 24          | 45   | 53   | 58   | 95   | 81   | 65   | 24   | 45   | 53   | 58   | 95   | 81   | 65   | 110  | 150 | 157 | 175 | 224 | 197 | 160 |
| Moderate (101-200)    |      | 86          | 103  | 104  | 115  | 124  | 115  | 92   | 86   | 103  | 104  | 115  | 124  | 115  | 92   | 110  | 150 | 157 | 175 | 224 | 197 | 160 |
| Poor (201-300)        |      | 116         | 102  | 103  | 88   | 55   | 68   | 115  | 116  | 102  | 103  | 88   | 55   | 68   | 115  | 183  | 154 | 147 | 129 | 81  | 107 | 144 |
| Very Poor (301-400)   |      | 58          | 51   | 37   | 32   | 24   | 33   | 28   | 58   | 51   | 37   | 32   | 24   | 33   | 28   | 183  | 154 | 147 | 129 | 81  | 107 | 144 |
| Severe (>401)         |      | 9           | 1    | 7    | 9    | 2    | 6    | 1    | 9    | 1    | 7    | 9    | 2    | 6    | 1    | 183  | 154 | 147 | 129 | 81  | 107 | 144 |

### Comparative status of PM<sub>10</sub> and PM<sub>2.5</sub> (µg/m<sup>3</sup>) running average – Till Oct 30 (2016-2022)



### Hotspots for Today:

\*Details given overleaf

|           |  |               |                         |
|-----------|--|---------------|-------------------------|
| Delhi     | Jahangirpuri, Narela, Bawana, Shadipur, Alipur | Ghaziabad     | Loni                    |
| Faridabad | New Industrial Town, Sector 11                 | Greater Noida | Knowledge Park-III      |
| Gurugram  | Teri Gram, Sector-51                           | Noida         | Sector-125, Sector - 62 |

### Forecast by IITM (Delhi):

|                   | Nov 01, 2022  |              | Nov 02, 2022- Nov 03, 2022 |              |
|-------------------|---------------|--------------|----------------------------|--------------|
|                   | Concentration | AQI Category | Concentration              | AQI Category |
| PM <sub>10</sub>  | 388           | Very Poor    | 423                        | Very Poor    |
| PM <sub>2.5</sub> | 219           | Very Poor    | 239                        | 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 01, 2022 | 04-08                           | 04                               | 11                             | SE             | W                        |
| Nov 02, 2022 | 04-08                           | 09                               | 28                             | SE             | NW                       |
| Nov 03, 2022 | Upto 08                         | 10                               | 26                             | NW             | NW                       |

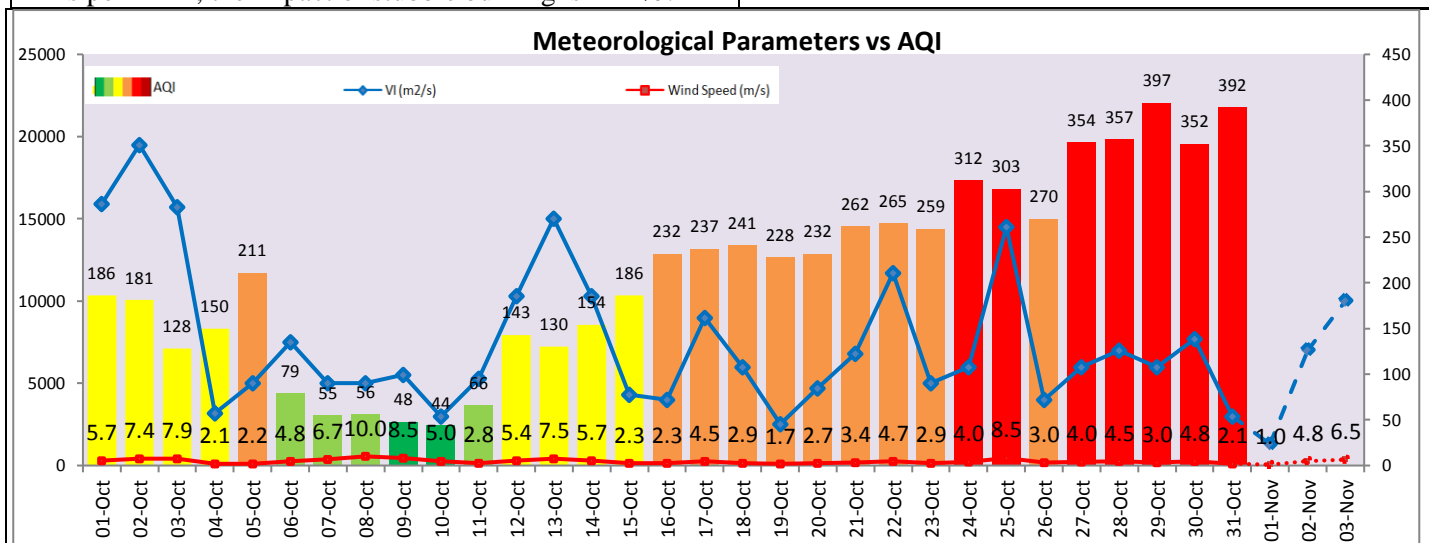
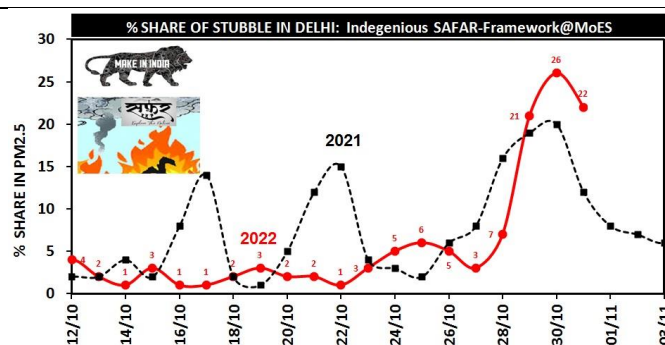
## IMD Alert for Tomorrow (01.11.2022):

The air quality is likely to deteriorate and remain in Very Poor to Severe category on 01.11.2022. The predominant surface wind is likely to be coming from Southeast direction in Delhi with wind speed 04-08 kmph, mainly clear sky and mist in the morning tomorrow. Ventilation index is likely to be 1,300 m<sup>2</sup>/s.

## Active Fire Events (AFE):

| Date       | Punjab          |                          | Haryana         |                          |
|------------|-----------------|--------------------------|-----------------|--------------------------|
|            | Nos. on the day | Total since September 15 | Nos. on the day | Total since September 15 |
| 31.10.2022 | 2131            | 16004                    | 70              | 1995                     |
| 31.10.2021 | 2895            | 13269                    | 353             | 2914                     |

\* As per IITM, the impact of stubble burning is ~22%.



## Hotspots for Today

| City          | Station Name                                | AQI value | Air Quality | Prominent Pollutant |
|---------------|---|-----------|-------------|---------------------|
| Delhi         | Jahangirpuri, Delhi - DPCC                  | 446       | Severe      | PM <sub>10</sub>    |
|               | Narela, Delhi - DPCC                        | 439       | Severe      | PM <sub>2.5</sub>   |
|               | Bawana, Delhi - DPCC                        | 438       | Severe      | PM <sub>2.5</sub>   |
|               | Shadipur, Delhi - CPCB                      | 429       | Severe      | PM <sub>10</sub>    |
|               | Alipur, Delhi - DPCC                        | 427       | Severe      | PM <sub>2.5</sub>   |
| Faridabad     | New Industrial Town, Faridabad - HSPCB      | 452       | Severe      | PM <sub>10</sub>    |
|               | Sector 11, Faridabad - HSPCB                | 404       | Severe      | PM <sub>2.5</sub>   |
| Gurugram      | Sector-51, Gurugram - HSPCB                 | 413       | Severe      | PM <sub>2.5</sub>   |
|               | Teri Gram, Gurugram - HSPCB                 | 392       | Very Poor   | PM <sub>2.5</sub>   |
| Ghaziabad     | Loni, Ghaziabad - UPPCB                     | 378       | Very Poor   | PM <sub>2.5</sub>   |
| Greater Noida | Knowledge Park - III, Greater Noida - UPPCB | 359       | Very Poor   | PM <sub>2.5</sub>   |
| Noida         | Sector - 125, Noida - UPPCB                 | 424       | Severe      | PM <sub>10</sub>    |
|               | Sector - 62, Noida - IMD                    | 383       | Very Poor   | PM <sub>2.5</sub>   |