Central Pollution Control Board
Air Quality Status for Delhi & NCR
Dated – December 16, 2023

Current Air Quality Status:

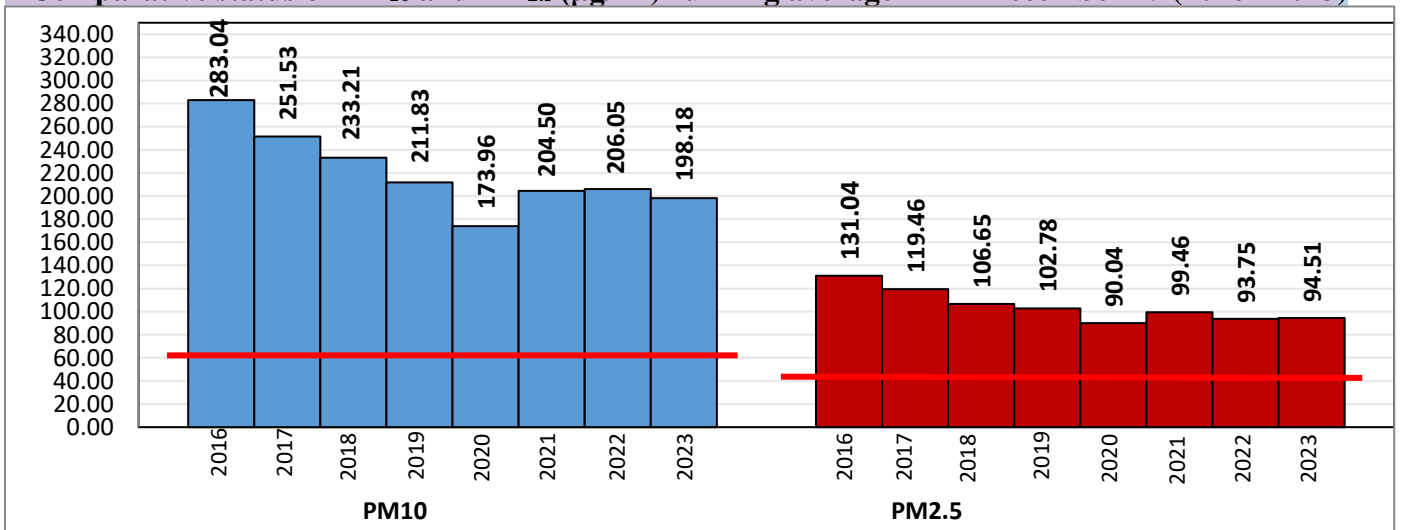- **Air Quality Index (AQI) (Average of past 24 hours at 4 PM) in comparison with last two years**

	2023			2022			2021(Covid- Year)		
	Air Quality	AQI Value	Prominent Pollutant	Air Quality	AQI Value	Prominent Pollutant	Air Quality	AQI Value	Prominent Pollutant
Delhi	Very Poor	354 ↑	$PM_{2.5}$, PM_{10}	Poor	223 ↑	$PM_{2.5}$	Very Poor	368↑	PM_{10}, $PM_{2.5}$
Faridabad	VeryPoor	318 ↑	PM_{10},$PM_{2.5}$	Poor	204 ↑	PM_{10}, $PM_{2.5}$	Very Poor	334	PM_{10}, $PM_{2.5}$
Ghaziabad	VeryPoor	316 ↑	$PM_{2.5}$, PM_{10}	Moderate	184 ↑	PM_{10}	Very Poor	326↑	$PM_{2.5}$
Greater Noida	VeryPoor	350 ↑	$PM_{2.5}$, PM_{10}	Moderate	199 ↑	$PM_{2.5}$	Very Poor	308↑	$PM_{2.5}$
Gurugram	Poor	284 ↑	$PM_{2.5}$	Poor	252 ↑	$PM_{2.5}$	Very Poor	331↓	$PM_{2.5}$
Noida	VeryPoor	330 ↑	PM_{10},$PM_{2.5}$	Moderate	154 ↑	PM_{10}	Very Poor	314↑	PM_{10}, $PM_{2.5}$

Data available for 37(2023), 36(2022), 35(2021) 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 16 December 2016-2023**

Category	Year	2016	2017	2018	2019	2020	2021	2022	2023	2016	2017	2018	2019	2020	2021	2022	2023
	No. of days	339	350	350	350	351	350	350	350								
Good (0–50)		0	2	0	2	4	1	3	1	110	152	158	179	227	197	163	206
Satisfactory (51–100)		24	45	53	59	96	72	65	60								
Moderate (101–200)		86	105	105	118	127	124	95	145								
Poor (201–300)		119	109	110	101	69	75	130	75	229	198	192	171	124	153	187	144
Very Poor (301–400)		85	81	66	50	43	60	52	57								
Severe (>401)		25	8	16	20	12	18	5	12								

Comparative status of PM_{10} and $PM_{2.5}$ (µg/m³) running average - Till December 15 (2016- 2023)

PM10: 2016: 283.04, 2017: 251.53, 2018: 233.21, 2019: 211.83, 2020: 173.96, 2021: 204.50, 2022: 206.05, 2023: 198.18

PM2.5: 2016: 131.04, 2017: 119.46, 2018: 106.65, 2019: 102.78, 2020: 90.04, 2021: 99.46, 2022: 93.75, 2023: 94.51

*Red line shows the annual average concentration standards for PM10 and PM2.5.

- **Daily Average of Particulates in Delhi** (24 hourly average value; from 06:00am of 15.12.23 to 06:00 am of 16.12.23)

Date ↓ / parameter →	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)
15- December -2023	199↑	359↑

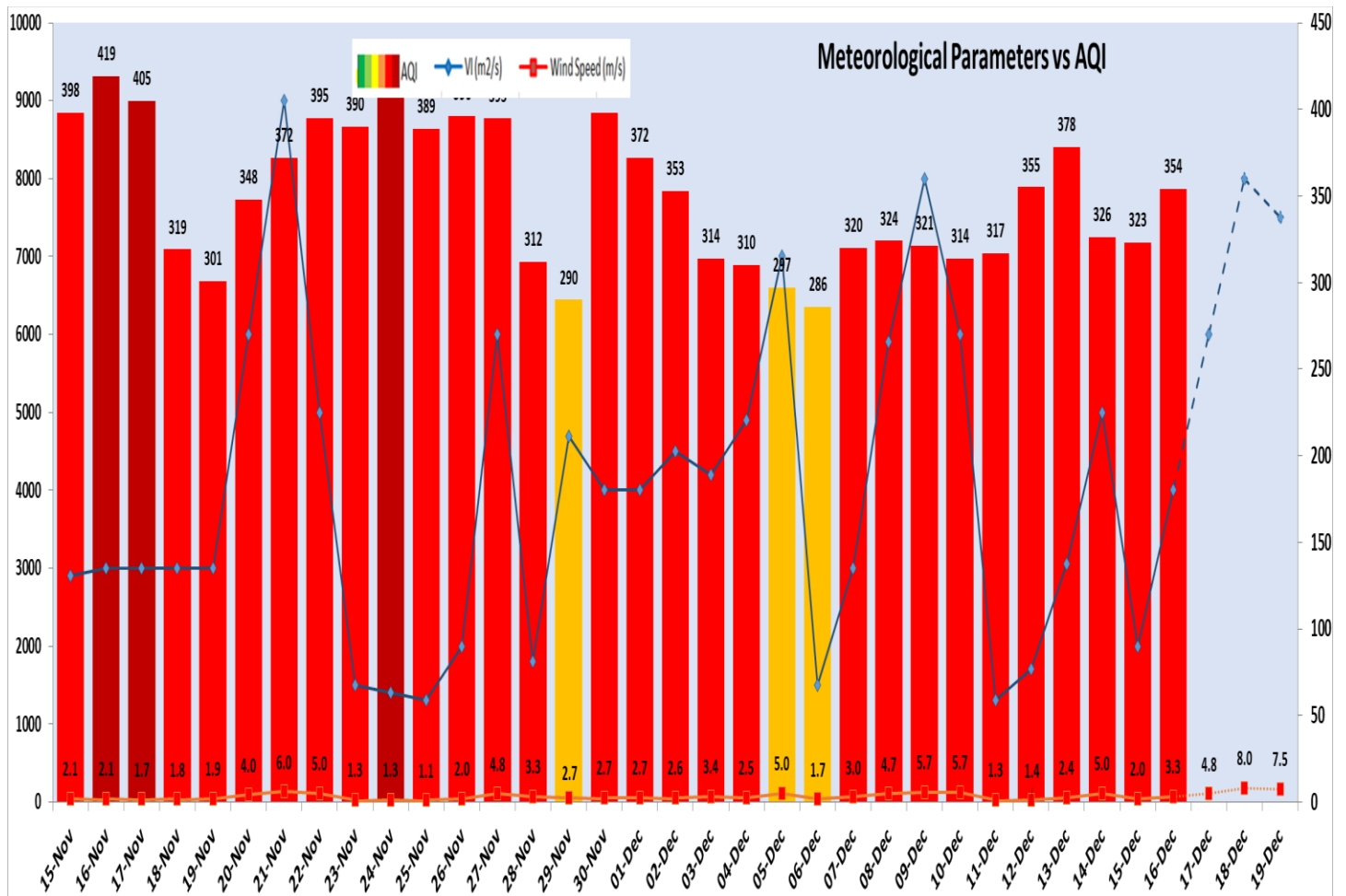| Hotspots for Today:			*Details given below*	
Delhi	Wazirpur, Jahangirpuri, Shadipur, Vivek Vihar, Anand Vihar	Ghaziabad	Indirapuram, Vasundhara, Loni	
Faridabad	New Industrial Town, Sector- 11, Sector 16A	Greater Noida	Knowledge Park -V	
Gurugram	Sector-51, Teri Gram, Vikas Sadan	Noida	Sector-116, Sector - 62, Sector - 125	

- **Forecast by IITM (Delhi):**

	Dec 17, 2023	Dec 18, 2023	Dec 19, 2023
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
Dec 17. 2023	08 TO 10	9	17	NW	NW
Dec 18. 2023	15 TO 16	11	38	NW	NW
Dec 19. 2023	16 TO 10	12	40	NW	NW

- **IMD Alert for Tomorrow (17.12.2023):**

The air quality is likely to remain in Very Poor category from 17.12.2023 to 18.12.2023. The predominant surface wind is likely to be coming from Northwest direction in Delhi with wind speed 08-10 kmph, mainly clear sky and shallow fog in the morning on 17.12.2023. Ventilation index is likely to be 6000 m^2/s.

Delhi Temperature in (°C)		
Date	Minimum	Maximum
13-12-2023	7.4	24.8
14-12-2023	6.2	24.6
15-12-2023	4.9	24.1
16-12-2023	5.5	25.4

▪ **Hotspots for Today**

City	Station Name	AQI value	Air Quality	Prominent Pollutant
Delhi	Wazirpur, Delhi - DPCC	421	Severe	PM_{10}
	Jahangirpuri, Delhi - DPCC	419	Severe	$PM_{2.5}$
	Shadipur, Delhi - CPCB	415	Severe	PM_{10}
	Vivek Vihar, Delhi - DPCC	401	Severe	$PM_{2.5}$
	Anand Vihar, Delhi - DPCC	398	Very Poor	$PM_{2.5}$
Faridabad	New Industrial Town, Faridabad - HSPCB	388	Very Poor	$PM_{2.5}$
	Sector 11, Faridabad - HSPCB	387	Very Poor	PM_{10}
	Sector- 16A, Faridabad - HSPCB	337	Very Poor	$PM_{2.5}$
Gurugram	Sector-51, Gurugram - HSPCB	304	Very Poor	$PM_{2.5}$
	Teri Gram, Gurugram - HSPCB	302	Very Poor	$PM_{2.5}$
	Vikas Sadan, Gurugram - HSPCB	294	Poor	$PM_{2.5}$
Ghaziabad	Indirapuram, Ghaziabad - UPPCB	322	Very Poor	PM_{10}
	Vasundhara, Ghaziabad - UPPCB	321	Very Poor	$PM_{2.5}$
	Loni, Ghaziabad - UPPCB	318	Very Poor	$PM_{2.5}$
Greater Noida	Knowledge Park - V, Greater Noida - UPPCB	367	Very Poor	PM_{10}
Noida	Sector-116, Noida - UPPCB	349	Very Poor	$PM_{2.5}$
	Sector - 62, Noida - IMD	340	Very Poor	$PM_{2.5}$
	Sector - 125, Noida - UPPCB	336	Very Poor	PM_{10}