

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 10.7.2022

(BASED ON WHO GUIDELINES - 2021)

Permissible Limits (24 Hour Mean):  $PM_{10} = 45$ ;  $PM_{2.5} = 15$ , all units are in  $\mu\text{g}/\text{m}^3$

	Date Today: July 10 – 9  Yesterday July 9 – 8	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: July 10 – 9  Yesterday July 9 – 8	SANJAY PLACE (ARITHMETIC MEAN DATA)								
		Concentration (µg/m³)		Meteorological Parameters								Concentration (µg/m³)		Meteorological Parameters						
		PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m²	RF mm		PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m²	RF mm
							Max	Min									Max	Min		
4 / 97	Today	18	31	80	4.7	S	35.3	25.7	126	33	Today	44↓	101↓	70	2.8	NNE	37.7	26.4	158	24.7
	Yesterday	18	32	66	3.2	ESE	39.1	31.3	201	0.2										
3 / 34	Today	31	37↓	80	4.7	S	35.1	25.7	126	33	Yesterday	40	81	55	1.8	N	41.8	33.4	215	0
	Yesterday	28	32	67	3.2	ESE	38.6	31.0	201	0.2										
Science Faculty	Today	24	30	82	4.9	S	35.0	25.8	126	33	Yesterday	40	81	55	1.8	N	41.8	33.4	215	0
	Yesterday	25	32	68	3.1	ESE	38.8	30.7	201	0.2										

COLOUR-CODE:

Within WHO 2021 Limits

Outside WHO 2021 Limits

**Views of AQI Research Group:** In comparison to yesterday, at all the three locations of Dayalbagh, the concentrations of both  $PM_{2.5}$  and  $PM_{10}$  have remained nearly constant. Concentrations of  $PM_{2.5}$  are outside the WHO permissible limits while  $PM_{10}$  are within the WHO permissible limits at the three locations.

At Sanjay Place, the concentrations of  $PM_{2.5}$  and  $PM_{10}$  have increased, and are outside the WHO permissible limits.

The scavenging effect of precipitation on concentrations of particulate matter was discernible after the commencement of rain late evening yesterday (after 7:00 pm).

Since WHO (World Health Organization) Guidelines only provide a single value for permissible  $PM_{2.5}$  and  $PM_{10}$  pollutant concentrations and do not provide concentration bands for the different Air Quality Index (AQI) categories ranging from **Good to Hazardous for All**, as does the US EPA (United States Environmental Protection Agency), the Report 2 annexed based on US EPA norms may be referred to, for Air Quality Index (AQI) & Water Quality Index (WQI) categories.