

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 3.7.2022

(BASED ON WHO GUIDELINES - 2021)

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

	<div>Date</div> <div>Today: July 3 – 2</div> <div>Yesterday July 2 – 1</div>	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									<div>Date</div> <div>Today: July 3 – 2</div> <div>Yesterday July 2 – 1</div>	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	07	15↑	78	2.2	E	38.1	26.1	215	28	Today	12↑*	69↓*	70	2.4	NNE	38.5	27	224	24.2
	Yesterday	09	21	74	1.9	NE	35.3	28.0	216	0										
3 / 34	Today	09↑	15↑	78	2.2	E	38.2	26.1	215	28	Yesterday	21	44	67	1.8	ENE	35.8	29.1	221	0
	Yesterday	16	23	75	1.9	NE	34.1	28.2	216	0										
Science Faculty	Today	10	14↑	78	2.1	E	38.8	26.1	215	28										
	Yesterday	12	20	76	2.0	NE	34.2	27.9	216	0										

COLOUR-CODE:

Within WHO 2021 Limits

Outside WHO 2021 Limits

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

\*At Sanjay Place data for  $PM_{2.5}$  was available only for 22 hours and  $PM_{10}$  for 9 hours only, hence the reported means do not represent 24 hour mean values. On the basis of available values, concentrations of  $PM_{2.5}$  are within the WHO permissible limits while  $PM_{10}$  are outside the WHO permissible limits.

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.