

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 12.7.2022

(BASED ON WHO GUIDELINES - 2021)

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

	Date Today: July 12 – 11  Yesterday July 11 – 10	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date Today: July 12 – 11  Yesterday July 11 – 10	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	11↑	22↑	69	2.9	S	39.4	29.3	220	0	Today	33↑	69↑	60	2.6	NE	42.4	31.2	254	0
	Yesterday	18	31	81	3.6	W	37.2	27.2	187	03										
3 / 34	Today	27↑	30↑	69	2.9	S	39.4	29.7	220	0	Yesterday	39	92	71	2.0	E	37.4	30.4	196	0.5
	Yesterday	42	47	80	3.7	W	36.6	27.6	187	03										
Science Faculty	Today	19↑	25↑	70	2.9	S	39.4	29.3	220	0										
	Yesterday	24	32	81	3.7	W	36.3	27.8	187	03										

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. It may probably be due to decrease in Relative Humidity. Concentrations of  $PM_{2.5}$  have improved to within WHO limits at Vidyut Nagar but are still outside the WHO permissible limits at Prem Nagar and Science Faculty while  $PM_{10}$  are within the WHO permissible limits at all three locations of Dayalbagh.

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

**Requisite High-end Technology Measures need to be deployed by Advanced Research, in both Software & Hardware Domains, with a view to achieving transition optimally, wherever & whenever needed, meriting publication in High Impact journals and accompanying conferment of Patent Rights by authorised National & International Agencies. Multimedia Centre, DEI, in cooperation with other stakeholders, could & should facilitate realisation of such Lofty Objectives.**

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Subject To Legalise/Legalese/"Laws of the Land".

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.

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