

# AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 29.5.2022

## (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	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)		Date	SANJAY PLACE (ARITHMETIC MEAN DATA)	
	Today: May 29 – 28	$PM_{2.5}$ [ $\mu\text{g}/\text{m}^3$ ]	$PM_{10}$ [ $\mu\text{g}/\text{m}^3$ ]	Today: May 29 – 28	$PM_{2.5}$ [ $\mu\text{g}/\text{m}^3$ ]	$PM_{10}$ [ $\mu\text{g}/\text{m}^3$ ]
	Yesterday May 28 – 27			Yesterday May 28 – 27		
4/97	Today	14	111↓↓	Today	51↓	296↓↓
	Yesterday	14	62			
3/34	Today	15↑	59↓	Yesterday	44	159
	Yesterday	19	41			
Science Faculty	Today	13↑	57↓	Yesterday	44	159
	Yesterday	17	39			

Within WHO 2021 Limits

Beyond WHO 2021 Limits

**Views of AQI Research Group:** In comparison to yesterday,  $PM_{2.5}$  have decreased at Prem Nagar and Science Faculty and remained unchanged at Vidyut Nagar. The concentration of  $PM_{2.5}$  at all the three locations of Dayalbagh are within the WHO permissible limits. The concentration of  $PM_{10}$  have risen <sup>beyond</sup> above the WHO's acceptable threshold. The increase is greater at Vidyut Nagar, probably due to a surge in the construction activities around the Mughal Road area. In common parlance: PM 10 sub atomic particles refer to larger group in comparison to PM 2.5 sub atomic particles, which refer to finer sub-group; why is there this disparity!?

At Sanjay Place, concentration of  $PM_{2.5}$  has increased marginally but there is a significant increase in concentration of  $PM_{10}$  in comparison to yesterday. The concentration of both  $PM_{2.5}$  and  $PM_{10}$  are beyond the WHO permissible limits.

The same Basic/Fundamental Source is Sarbachan Nasar & Nazm : accordingly, for appropriate understanding of the public/populace, our Radhasoami Satsang Sabha (formally, Registered as Religious & Charitable Society, with Headquarters at Dayalbagh, Agra; could be referred to as "Radhasoami, Dayalbagh".

Perused By Way of Information Only.  
Subject To Legalise/Legalese/"Laws of the Land".



Sunday, 29-05-2022, 02:30 PM  
Received, Sunday, 29-05-2022, 01:24 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) categories.