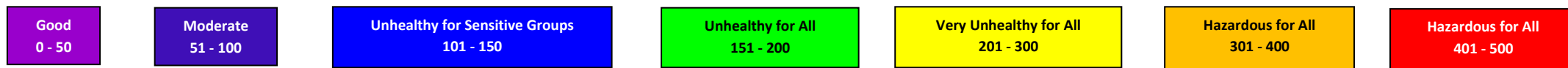


Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date:30.7.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean): PM₁₀ = 150; PM_{2.5} = 35, all units are in µg/m³ Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

	Date	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date	SANJAY PLACE (ARITHMETIC MEAN DATA)								
		Air Quality Index		Meteorological Parameters								AQI		Meteorological Parameters						
		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm		PM _{2.5}	PM ₁₀	RH %	WS m/s	WD	T °C		SR W/m ²	RF mm
Max	Min						Max	Min												
	Today: July 30 – 29										Today: July 30 – 29									
	Yesterday July 29 – 28										Yesterday July 29 – 28									
4 / 97	Today	29	13	88	2.0	N	31.8	27.0	95	07	Today	57	54	80	0.9	NNW	33.0	28.0	107	19.25
	Yesterday	38	15	89	3.0	N	33.5	26.9	100	0.25										
3 / 34	Today	50	17	89	2.0	N	31.5	26.8	95	07										
	Yesterday	50	18	89	3.0	N	33.0	26.9	100	0.25										
Science Faculty	Today	46	15	88	1.9	N	31.8	27.0	95	07	Yesterday	59	28	80	1.8	SSE	34.3	27.9	117	0.5
	Yesterday	46	15	89	3.0	N	33.5	27.0	100	0.25										



Views of AQI Research Group: In comparison to yesterday, concentrations of both PM_{2.5} and PM₁₀ have marginally decreased at Vidyut Nagar and remained nearly similar at Prem Nagar and Science Faculty. The Air Quality Index w.r.t. both PM_{2.5} and PM₁₀ is in the *Good* category at all the three locations of Dayalbagh.

At Sanjay Place, the concentrations of PM_{2.5} have marginally decreased but PM₁₀ have significantly increased. The Air Quality Index remains in the *Moderate* category w.r.t. PM_{2.5} and has changed from *Good* category to *Moderate* category w.r.t. PM₁₀.

[Perused By Way of Information Only,
Subject To Legalise/Legalese/"Laws of the Land".](#)

Sunday, 31-07-2022, 04:27 AM
Received, Saturday, 30-07-2022, 12:49 PM

NOTE: 1 A continuing study conducted as part of **Dayalbagh Sigma Six Qualities and Values Model** implementation.

2 DEI is using United States Environmental Protection Agency (USEPA) methodology and online calculators to calculate AQI. For fair comparison with UPPCB Sanjay Place Weather Station readings, their PM_{2.5} concentration readings are fed in USEPA online calculator for AQI calculation.

3 Formula for AQI calculation for a Pollutant –

$$I = \frac{I_{high} - I_{low}}{C_{high} - C_{low}} * (C - C_{low}) + I_{low}$$

where: I = Air Quality Index; C = Pollutant Concentration (PM_{2.5}); C_{low} = Concentration Breakpoint ≤C; C_{high} = Concentration Breakpoint ≥C; I_{low} = Index Break point corresponding to C_{low}; I_{high} = Index Breakpoint corresponding to C_{high}; *Multiplication Sign