

# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 19.8.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean): PM<sub>10</sub> = 150; PM<sub>2.5</sub> = 35, all units are in µg/m<sup>3</sup> Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

	Date	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)									Date	SANJAY PLACE (ARITHMETIC MEAN DATA)								
	Today:	Air Quality Index			Meteorological Parameters						Today:	AQI			Meteorological Parameters					
	August 19 – 18  Yesterday	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m <sup>2</sup>	RF mm	August 19 – 18  Yesterday	PM <sub>2.5</sub>	PM <sub>10</sub>	RH %	WS m/s	WD	T °C		SR W/m <sup>2</sup>	RF mm
							Max	Min									Max	Min		
4 / 97	Today	25	15	70	1.3	NNE	35.1	27.1	173	0	Today	55	35	69	3.1	NNE	34.3	28.1	189	0
	Yesterday	08	06	73	1.3	E	35.5	26.7	182	0										
3 / 34	Today	42	15	70	1.3	NNE	35.1	27.1	173	0	Yesterday	42	21	71	2.4	S	35	28	176	0
	Yesterday	25	08	73	1.3	E	35.5	26.7	182	0										
Science Faculty	Today	33	13	70	1.3	NNE	35.1	27.1	173	0	Yesterday	42	21	71	2.4	S	35	28	176	0
	Yesterday	21	06	73	1.3	E	35.5	26.7	182	0										

Good  
0 - 50

Moderate  
51 - 100

Unhealthy for Sensitive Groups  
101 - 150

Unhealthy for All  
151 - 200

Very Unhealthy for All  
201 - 300

Hazardous for All  
301 - 400

Hazardous for All  
401 - 500

**Views of AQI Research Group:** In comparison to yesterday, concentrations of both PM<sub>2.5</sub> and PM<sub>10</sub> have increased at all locations of Dayalbagh. However, the Air Quality Index w.r.t. both PM<sub>2.5</sub> and PM<sub>10</sub> remains in the *Good* category at all three locations of Dayalbagh.

At Sanjay Place also the concentrations of both PM<sub>2.5</sub> and PM<sub>10</sub> have increased. The Air Quality Index w.r.t. PM<sub>2.5</sub> has changed to the *Moderate* category from the *Good* category, while w.r.t. PM<sub>10</sub> it remains in the *Good* category.

concentration readings are fed in USEPA online calculator for AQI calculation.  
3 Formula for AQI calculation for a Pollutant –

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

where: I = Air Quality Index; C = Pollutant Concentration (PM<sub>2.5</sub>); C<sub>low</sub> = Concentration Breakpoint ≤C; C<sub>high</sub> = Concentration Breakpoint ≥C; I<sub>low</sub> = Index Break point corresponding to C<sub>low</sub>; I<sub>high</sub> = Index Breakpoint corresponding to C<sub>high</sub>; \*Multiplication Sign