

**Radhasoami Dayal Ki Daya Radhasoami Sahai**  
**QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 23.09.2021**

Permissible Limits: PM<sub>10</sub> = 100; PM<sub>2.5</sub> = 60, all units are in µg/m<sup>3</sup>

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)										SANJAY PLACE (ARITHMETIC MEAN DATA)									
		AQI				Meteorological Parameters @ Dayalbagh						AQI				Meteorological Parameters @ Sanjay Place					
		PM <sub>2.5</sub>		PM <sub>10</sub>								PM <sub>2.5</sub>		PM <sub>10</sub>							
		Today Sep 22- Sep 21	Yesterday Sep 21- Sep 20	Today Sep 22- Sep 21	Yesterday Sep 21- Sep 20	RH %	WS m/s	WD	T °C	SR W/ m <sup>2</sup>	RF mm	Today Sep 22- Sep 21	Yesterday Sep 21- Sep 20	Today Sep 22- Sep 21	Yesterday Sep 21- Sep 20	RH %	WS m/s	WD	T °C	SR W/m <sup>2</sup>	RF mm
4 / 97	12:00 noon – 12:00 noon	59 S	84 S	24 G	46 G	85	3.6	E	27	98	09	68 S	91 S	44 G	172 M	78	1.7	E	NA	140	2.5
3 / 34	12:00 noon – 12:00 noon	61 S	93 S	23 G	44 G	86	3.6	E	27	79	09										
Scienc e Faculty	12:00 noon – 12:00 noon	NA	NA	NA	NA	NA	NA	NA	NA	NA	09										

Good- G    Satisfactory - S    Moderate- M    Poor- P    Very Poor- VP    Severe - Sv

NOTE: 1 A continuous 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<sub>2.5</sub> 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 (PM2.5), 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>