Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 14.09.2021

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)								SANJAY PLACE (ARITHMETIC MEAN DATA)							
		AQI On The Basis of PM _{2.5} Concentration		Meteorological Parameters @ Dayalbagh					-	AQI On The Basis of PM _{2.5} Concentration		Meteorological Parameters @ Sanjay Place					
		Today Sep 14- Sep 13	Yesterday Sep 13- Sep 12	RH %	WS m/s	WD	T °C	SR W/ m ²	RF mm	Today Sep 14- Sep 13	Yesterday Sep 13- Sep 12	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	12:00 noon 12:00 noon	61 Satisfactory	74 Satisfactory	81	3.4	E	29	105	4	55 Satisfactory	76 Satisfactory	73	2.5	wsw	NA	151	2
3 / 34	12:00 noon - 12:00 noon	50 Good	66 Satisfactory	81	3.4	E	29	74	4								
Science Faculty	12:00 noon 12:00 noon	53 Satisfactory	66 Satisfactory	83	2.1	E	29	81	4								

Permissible Limits: $PM_{10} = 100$; $PM_{2.5} = 60$, all units are in $\mu g/m^3$

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_{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 (PM2.5), Clow=Concentration Breakpoint ≤C, Chigh=Concentration Breakpoint ≥C, Ilow=Index Break point corresponding to Clow Ihigh=Index Breakpoint corresponding to Chigh