Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 2.1.2022
(BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean) : PM₁₀ = 150; PM₂.₅ = 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)							
		AQI		Meteorological Parameters							AQI		Meteorological Parameters					
	Today: Jan 2 - 1 Yesterday: Jan 1- Dec 31	PM₂.₅	PM₁₀	RH %	WS m/s	WD	T °C	SR W/m²	RF mm	Today: Jan 2 - 1 Yesterday: Jan 1- Dec 31	PM₂.₅	PM₁₀	RH %	WS m/s	WD	T °C	SR W/m²	RF mm
4 / 97	Today	180	105	73	1.3	W	14	43	0	Today	211	497	67	0.8	SE	11	88	0
	Yesterday	158	118	70	1.9	WNW	14	51	0									
3 / 34	Today	184	120	76	1.4	WSW	13	61	0									
	Yesterday	169	111	71	1.9	WNW	13	56	0									
Science Faculty	Today	216	89	79	2.6	NNE	13	47	0	Yesterday	172	114	61	1.3	ESE	11	81	0
	Yesterday	211	151	75	3.0	NE	13	45	0									

Views of AQI Research Group: AQI at Dayalbagh is significantly better compared to Sanjay Place. At Science Faculty the PM10.0 AQI improved substantially.

ABDEIS ?

Remarks of Revered Chairman-ACE: Solar Radiation figures to be investigated. Prem Nagar readings are much higher compared to Science Faculty and Vidyut Nagar. High PM2.5 readings at Science Faculty to be investigated.

Received : Sunday, 2 January 2022, 12:07 PM

Sunday, 2 January 2022

Good -G	Moderate- M	Unhealthy for Sensitive Groups- US	Unhealthy for All-UH	Very Unhealthy for All-VUH	Hazardous for All- HZ	Hazardous for All-HZ

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 PM₂.₅ 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