Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 16.1.2022 (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									SANJAY PLACE							
	Today:	(TIME WEIGHTED AVERAGE DATA)								- Today: -	(ARITHMETIC MEAN DATA)							
		AQI		Meteorological Parameters							AQI		Meteorological Parameters					
	Jan 16 -15						Т	SR	RF	Jan 16 -15						Т	SR	RF
	Yesterday:	PM2.5	PM10	RH %	WS m/s	WD				Yesterday:	PM _{2.5}	PM10	RH %	WS m/s	WD			
	Jan 15 - 14			/0	111/5		°C	W/m ²	mm	Jan 15 - 14				111/3		°C	W/m ²	mm
4 / 97	Today	164	149	82	1.6	SSW	10	24	0	Today	157	119	76	1.1	WSW	9.5	45	0
	Yesterday	163	111	88	1.4	SSW	11	46	0									
3 / 34	Today	157	150	85	1.7	SSW	10	27	0									
	Yesterday	167	116	91	1.4	SSW	11	56	0									
Science Faculty	Today	168	127	86	3.3	NE	10	26	0	Yesterday	166	139	83	1.2	ESE	10.8	80	0
	Yesterday	184	117	93	3.1	NNE	11	48	0									

Views of AQI Research Group: Drop in Relative Humidity (RH) may have caused reduction in PM2.5 AQI at Dayalbagh and Sanjay Place. At Sanjay Place, change in Wind Direction seems to be the cause of reduction in PM10.0 and may be PM2.5 readings. Higher RH at Dayalbagh explains mildly higher readings vis-à-vis Sanjay Place.

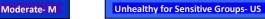
Remarks of Revered Chairman-ACE:

Received: Sunday, 16 January 2022, 12:24 PM

fiscussof

Sunday, 16 January 2022,04:04 PM

Good -G



Unhealthy for All-



II-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 PM_{2.5} concentration readings are fed in USEPA online calculator for AQI calculation 3 Formula for AQI calculation for a Pollutant –

3 Formula for AQI calculation for a Pollutant -

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

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