

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 28.11.2022

(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)

Today: 27-11-2022 to 28-11-2022 from 9:00 a.m. to 9:00 a.m. **Yesterday:** 26-11-2022 to 27-11-2022 from 9:00 a.m. to 9:00 a.m.

L O C A T I O N	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)											L O C A T I O N	SANJAY PLACE AND AVAS VIKAS (ARITHMETIC MEAN DATA)										
	AQI				Meteorological Parameters								AQI				Meteorological Parameters						
	PM _{2.5}		PM ₁₀		RH %	WS m/s	WD	T °C		SR W/m ²	RF mm		PM _{2.5}		PM ₁₀		RH %	WS m/s	WD	T °C		SR W/m ²	RF mm
	Today	Yesterday	Today	Yesterday				Max	Min				Today	Yesterday	Max	Min				Today	Yesterday		
4 / 97	139 (34%↑)	107	66 (28%↑)	56	67	0.5	WNW	28.9	11.1	128	0	Sanjay Place	174 (66%↑)	153	129 (48%↑)	95	57	0.9	WNW	27.6	14.7	133	0
3 / 34	127 (31%↑)	99	55 (26%↑)	46	67	0.5	WNW	28.9	11.1	128	0	Avas Vikas	180 (53%↑)	169	107 (50%↑)	79	67	0.5	ENE	29.2	12.7	73	0
Science Faculty	149 (14%↑)	132	57 (15%↑)	53	67	0.5	WNW	28.9	11.1	128	0												

Views of AQI Research Group: Particulate matter concentrations have further increased at all sites of Dayalbagh probably due to increase in Relative Humidity and low wind speed resulting in less dispersion. The Air Quality Index w.r.t. PM_{2.5} is in the *Unhealthy for Sensitive Groups* category while w.r.t. PM₁₀ it is in the *Moderate* category at all sites of Dayalbagh.

At Sanjay Place and Avas Vikas, Bodla also the concentrations of Particulate matter have increased, the Air Quality Index w.r.t. PM_{2.5} remains in the *Unhealthy for All* category while w.r.t. PM₁₀ it has changed to *Unhealthy for Sensitive Groups* category from the *Moderate* category at both the sites.

Values in parentheses indicate the percentage change in the pollutant concentrations with respect to yesterday. ↑ indicates increase in pollutant concentrations. Percentage change has not been shown w.r.t. AQI values as the breakpoints for the different categories are not evenly distributed.

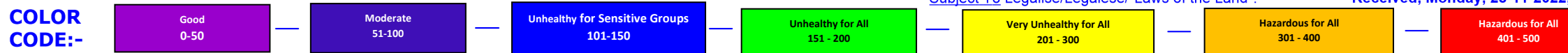
DEI should have its target of **Public Sector Development** as the Basis ("BACIS VECTOR") OF ALREADY CREATED UNIVERSE BY THE ALMIGHTY LORD GOD, REPRESENTING THE MONOLITH OF BLISSFULNESS FOREVER & EVER of our all-out "feeble" attempts conforming to the **INFINITE vagaries/varieties of Nature** with the assurance that the Living Human-beings particularly "Initiated Satsangis", possess the capability to overcome the variety characterised by not only having infinitely larger scope in terms of the "breadth" of coverage, but also lessening the accompanying "Environmental degradation" in pursuance of the so called progression/advancement, once again, in keeping with the modern, **Artificial General Intelligence (AGI)**: On the other hand, the so called "Western World" is pursuing objects of "Gross-worldliness"; whereas Radhasoami Satsang Sabha Dayalbagh, Agra- 282005 Hqs., is committed to pursuing relentlessly to the best of our capability in conformity to the Prompts of THE OMNIVALENT LORD GOD ALMIGHTY "**RA-DHA-SVA-AAH-MI**", Characterised by its "OMNI ARTICULATIVE FORM: Ra-Dha-Sva-Aah-Mi"; which embodies all the features of Entire Creational Universe and offers the broadest coverage by our unflinching commitment to serve Mother India, i.e. the Sovereign Republic of India, through "Evolutionary & Re-evolutionary" targets of the Radhasoami Faith at the Radhasoami Satsang Sabha Dayalbagh Hqs. in association with DEI (Deemed to be University), Subserving Globally via Charitable Incorporated Organisation (CIO), which is committed to bring about Zenith of **Artificial General Intelligence**; its chosen instrument for development not only of Physical/Material but also Mental/Astral and Purely Spiritual aspects highlighted at the beginning of this **ABSTRACT/SUMMARY**.

Perused By Way of Information Only,

Subject To Legalise/Legalese/"Laws of the Land".

Monday, 28-11-2022, 04:46 PM

Received, Monday, 28-11-2022, 02:36 PM



NOTE: 1 A continuing 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 (PM_{2.5}); C_{low} = Concentration Breakpoint ≤C; C_{high} = Concentration Breakpoint ≥C; I_{low} = Index Break point corresponding to C_{low}; I_{high} = Index Breakpoint corresponding to C_{high}; * Multiplication Sign