Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 23.2.2022 (BASED ON US-EPA AQI STANDARDS AND THE DAYALBAGH AQI COLOUR CODE)

Permissible Limits (24 Hour Mean): $PM_{10} = 150$; $PM_{2.5} = 35$, all units are in $\mu g/m^3$ Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)

	Date	DAYALBAGH									Date	SANJAY PLACE								
	Today:		(TIME	RAGE	DAT	'A)		Today	(ARITHMETIC MEAN DATA)											
		A	QI	Meteorological Parameters							Today:	AQI Meteorological Parameters								
	Feb 23 – 22	PM2.5	PM10	RH %	WS m/s	WD					Feb 23 – 22 Yesterday	PM2.5	PM10	RH	ws	WD	°C		SR	RF
	Yesterday Feb 22 - 21						°C		SR	RF										
							Max	Min	W/m ²	mm	Feb 22 - 21			% 0	m/s		Max	Min	W/m ² mm	mm
	Today	122	68	59	5.0	SSE	28.9	15 5	109	0										
4 / 97	Yesterday	112	72	46	2.7	NNE	31.4	15.6	88	0	Today	152	100	55	4.6	SSW	30.2	14.8	139	0
3 / 34	Today	115	57	61	5.0	SSE	28.3	15.4	86	0										
	Yesterday	129	59	49	2.7	NNE	28.7	15.4	107	0										
Science Faculty	Today	127	60	61	5.0	SSE	28.9	15.5	91	0	Yesterday	155	112	44	2.4	W	28.9	14.4	144	0
	Yesterday	139	64	49	2.7	NNE	27.7	15.7	90	0										

Views of AQI Research Group: The AQI for both Particulate Pollutants remained better at Dayalbagh in comparison to Sanjay Place. Across the four locations the AQI of both the sub-atomic Particulate Pollutants reduced in comparison to yesterday (PM2.5 at Vidyut Nagar being the only outlier - new construction activity reported at 4/78 & 4/89 by Construction Department). The improvement in AQI across locations seems to be an outcome of high Wind Speed causing dispersal of particles thus reducing the concentration levels.

Received: Wednesday, 23 February 2022, 11:14 AM

Wednesday, 23 February 2022,

Remarks of Revered Chairman-ACE:

Good -G



Unhealthy for All-



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 -



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