## Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 6.11.2021 (BASED ON US-EPA AQI STANDARDS)

Permissible Limits (24 Hour Mean): PM<sub>10</sub> = 150; PM<sub>2.5</sub> = 35, all units are in µg/m<sup>3</sup>

Site Location	Sampling Time (24 hrs)	<b>DAYALBAGH</b> (TIME WEIGHTED AVERAGE DATA)										SANJAY PLACE (ARITHMETIC MEAN DATA)									
		AQI				Meteorological Parameters @						AQI				Meteorological Parameters @					
		PM2.5		<b>PM</b> <sub>10</sub>		Dayalbagh						PM2.5		PM10		Sanjay Place					
		Today Nov 6 – Nov 5	Yesterday Nov 5 – Nov 4	Today Nov 6 – Nov 5	Yesterday Nov 5 – Nov 4	RH %	WS m/s	WD	°C	SR W/ m <sup>2</sup>	RF mm	Today Nov 6 – Nov 5	Yesterday Nov 5 – Nov 4	Today Nov 6 – Nov 5	Yesterday Nov 5 – Nov 4	RH %	WS m/s	WD	°C	SR W/m <sup>2</sup>	RF mm
4 / 97	09:00 am  09:00am	271 VUH	302 H	193 UH	241 VUH	60	1.6	W	22	58	0	305 H	430 H	372 Н	476 H	52	1.1	SE	20	117	0
3 / 34	09:00 am  09:00am	268 VUH	261 VUH	171 UH	187 UH	63	1.6	WSW	22	63	0										
Science Faculty	09:00 am  09:00 am	267 VUH	285 VUH	175 UH	191 UH	65	2.6	NE	21	57	0										

Received - Saturday, 6 November 2021, 12:52 PM Saturday, 6 November 2021, Unhealthy for Sensitive Groups -US Very Unhealthy - VUH Hazardous - H 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

Good- G

Moderate- M

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 -

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