AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 4.10.2021 (BASED ON US-EPA AQI STANDARDS)

Permissible Limits (24h Mean) : PM_{10} = 150; $PM_{2.5}$ = 35 (US EPA), all units are in $\mu g/m^3$

Site Location	Sampling Time (24 hrs)	DAYALBAGH (TIME WEIGHTED AVERAGE DATA)								SANJAY PLACE (ARITHMETIC MEAN DATA)											
		AQI				Meteorological Parameters @				AQI				Meteorological Parameters @							
		PM2.5		PI	M10	Dayalbagh				PM2.5 PM10		Sanjay Place									
		Today Oct4- Oct 3	Yesterday Oct 3- Oct 2	Today Oct4- Oct 3	Yesterday Oct 3- Oct 2	RH %	WS m/s	WD	T °C	SR W/ m ²	RF mm	Today Oct4- Oct 3	Yesterday Oct 3- Oct 2	Today Oct4- Oct 3	Yesterday Oct 3- Oct 2	RH %	WS m/s	WD	°C	SR W/m ²	RF mm
4 / 97	12:00 noon 	42 G	50 G	26 G	23 G	67	2.9	WSW	33	130	0										
3 / 34	12:00 noon 	59 M	68 M	20 G	23 G	69	2.8	WSW	32	118	0	55 M	68 M	31 G	27 G	62	1.9	ENE	NA	175	0
Science Faculty	12:00 noon 	57 M	66 M	20 G	24 G	71	1.9	W	32	118	0										



<mark>Moderate- M</mark>







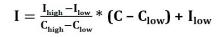
Hazardous - H

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 Inigh=Index Breakpoint corresponding to Chigh

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 4.10.2021

(Based on WHO 2021 Guidelines)

Permissible Limits: (WHO, 2021) (24h Mean) : PM_{10} = 45; $PM_{2.5}$ = 15, all units are in $\mu g/m^3$

Sampling Site and			DAYALBAG	H@ 40 feet		SANJAY PLACE @ 40 feet						
	Duration of	PM _{2.5} [ug/m³]	PM10[ug/m³]	PM _{2.5} [µg/m³]	PM10 [µg/m³]				
Height	Sampling	Today Oct 4 – Oct 3	Yesterday Oct 3 – Oct 2	Today Oct 4 – Oct 3	Yesterday Oct 3 – Oct 2	Today Oct 4 – Oct 3	Yesterday Oct 3 – Oct 2	Today Oct 4 – Oct 3	Yesterday Oct 3 – Oct 2			
4/97	12:00-12:00 noon	√ +10	12	√ +28	25							
3/34	12:00-12:00 noon	√ +16↑	20	√ +22	25	+14↑	20	+34↓	29			
Science Faculty	12:00-12:00 noon	√ +15↑	19	√ +22↑	26							

narks of GH Today:

Received	- Monday, 04 October 2021, 1:09 PM	
Monday,	04 October 2021, 3:58 PM	

Concentration Within WHO, 2021 Limits Concentration Beyond WHO, 2021 Limits