# Radhasoami Dayal Ki Daya Radhasoami Sahai

## AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 5.1.2022

## (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 µg/$m^3$ | Sampling Duration = 24 hrs (9:00 AM to 9:00 AM)**

| | Date | DAYALBAGH (TIME WEIGHTED AVERAGE DATA) | | | | | | | | Date | SANJAY PLACE (ARITHMETIC MEAN DATA) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AQI | | Meteorological Parameters | | | | | | | AQI | | Meteorological Parameters | | | | | |
| | Today: Jan 5 - 4 Yesterday: Jan 4 - 3 | $PM_{2.5}$ | $PM_{10}$ | RH % | WS m/s | WD | T ˚C | SR W/$m^2$ | RF mm | Today: Jan 5 - 4 Yesterday: Jan 4 - 3 | $PM_{2.5}$ | $PM_{10}$ | RH % | WS m/s | WD | T ˚C | SR W/$m^2$ | RF mm |
| 4 / 97 | Today | 227 | 151 | 70 | 1.1 | SSE | 18 | 43 | 0 | Today | 198 | 181 | 63 | 0.7 | ENE | 15 | 84 | 0 |
| | Yesterday | 296 | 155 | 74 | 1.1 | WNW | 16 | 47 | 0 | | | | | | | | | |
| 3 / 34 | Today | 223 | 131 | 73 | 1.2 | SSE | 18 | 61 | 0 | | | | | | | | | |
| | Yesterday | 312 | 158 | 78 | 1.1 | WNW | 15 | 59 | 0 | Yesterday | 208 | NA | 69 | 0.9 | NNE | 12 | 85 | 0 |
| Science Faculty | Today | 302 | 134 | 76 | 2.1 | NE | 17 | 46 | 0 | | | | | | | | | |
| | Yesterday | 325 | 173 | 82 | 2.2 | NE | 14 | 47 | 0 | | | | | | | | | |

**Views of AQI Research Group:**

**Remarks of Revered Chairman-ACE:**

**Received: Wednesday, 05 January 2022, PM**

**Wednesday, 05 January 2022,**

Good -G | Moderate- M | Unhealthy for Sensitive Groups- US | Unhealthy for All-UH | Very Unhealthy for All-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 –

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

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