Radhasoami Dayal Ki Daya Radhasoami Sahai

AIR QUALITY MONITORING @ 40 FEET HEIGHT – Report Date: 9.2.2022 (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 | | | | | | | | | | |
|---------|--------------------------------|-------------------|------------------|---|-----------|-----|------|------|------------------|--------|---------------------|-------------------|---|----|-----|-----|---------|------|---------------------|-----|--|
| | Today: | A | QI | E WEIGHTED AVERAGE DATA) Meteorological Parameters | | | | | | Today: | A(| ARITE | RITHMETIC MEAN DATA) Meteorological Parameters | | | | | | | | |
| | Feb 9 –8 Yesterday Feb 8 - 7 | PM _{2.5} | PM ₁₀ | RH % | WS m/s | WD | °C | | SR | RF | Feb 9 –8 Yesterday | PM _{2.5} | PM ₁₀ | RH | ws | WD | T °C | | SR | RF | |
| | | | | | | | Max | Min | W/m ² | m² mm | Feb 8 - 7 | - <u></u> | | % | m/s | | Max | Min | W/m ² mm | mm | |
| 4 / 97 | Today | 152 | 83 | 72 | 2.3 | Е | 29.0 | 15.2 | 76 | 5 | | | | | | | | | | | |
| | Yesterday | 155 | 87 | 70 | 1.6 | SE | 27.3 | 12.5 | 80 | 0 | Today | 129 | 110 | 67 | 1.7 | SE | 28.1 | 14.4 | 102 | 5.5 | |
| 3 / 34 | Today | 158 | 82 | 74 | 2.3 | E | 29.0 | 15.0 | 81 | 5 | | | | | | | | | | | |
| | Yesterday | 163 | 86 | 72 | 1.6 | SE | 26.5 | 12.5 | 86 | 0 |] | | | | | | | | | | |
| Science | Today | 161 | 80 | 75 | 2.7 | E | 28.7 | 15.0 | 60 | 5 | Yesterday | 144 | 118 | 64 | 1.0 | SSW | 26.4 | 13.7 | 111 | 0 | |
| Faculty | Yesterday | 162 | 88 | 72 | 1.5 | SSE | 26.9 | 12.7 | 65 | 0 | | | | | | | | | | | |

Views of AQI Research Group: Due to rainfall, the AQI of both Particulate Pollutants has reduced across all four locations. Notably yesterday afternoon around 2 pm to 4 pm the values of PM2.5 and PM10.0 at all sites in Dayalbagh were in the band of 20-25 μ g/m³ ('Good') and 40-45 μ g/m³ ('Good') respectively.

Remarks of Revered Chairman-ACE:

Received: Wednesday, 9 February 2022, 11:28 AM

Wednesday, 9 February 2022,

Good -G

Moderate- M

Unhealthy for Sensitive Groups- US

Unhealthy for All-

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 -

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

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