

Air Quality Measurement Report – Saroj Hospital, New Delhi

Prepared by: Dust and Pollution Air Purifier Lamp

www.dp-purifier.com

Hospital site: Saroj Hospital, Sector-14 Extension, near Madhuban Chowk,
Institutional Area, Rohini, New Delhi, Delhi 110085

Date of test: 06 / 11 / 2025

Responsible person (hospital): RAVINDER SHARMA
Designation: Head - Maintenance *23/12/2025*

Responsible person (DP Industrial): _____

##0) Instrument and method

*Excellent work
AQI level maintained well.*

- Instrument used: Trotec PC200 particle counter, 6 channels (0.3 / 0.5 / 1.0 / 2.5 / 5.0 / 10 μ m), ISO 21501-4 compliant.

- Sampling mode: Concentration (counts per defined volume); device flow approximately 2.83 L/min (0.1 cfm).

- Evidence: Each measurement point is documented by a photograph of the instrument display taken at the time of reading (photos attached to this report).

- Note on display date/time: The timestamp shown on the instrument display is the internal clock of the device and does not affect the validity of the particle counts; the focus is on the numerical readings.



3) Patient cabin – baseline (before DP-Industrial operation)

Purpose: Establish the initial particle concentration in the cabin, with the DP-Industrial unit installed but not yet operating.



| Particle size | Before 26 min |

Measured particle counts (display reading):

| Particle size | Count (baseline) |

|-----|-----|

| 0.3 μm | 133,701 |

| 0.5 μm | 43,802 |

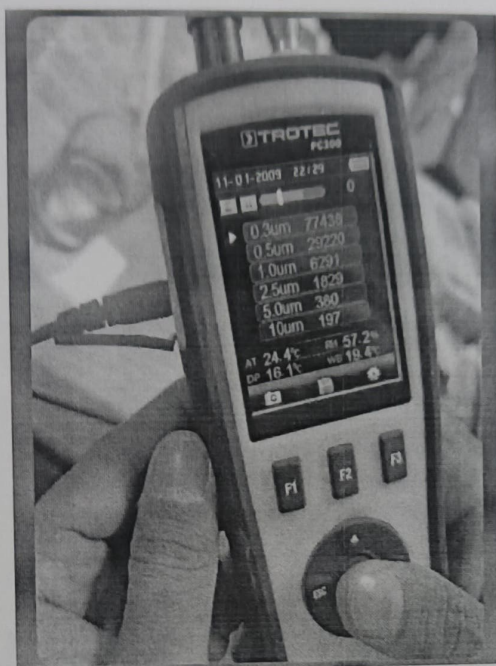
| 1.0 μm | 6,211 |

| 2.5 μm | 1,138 |

| 5.0 μm | 164 |

| 10 μm | 62 |





| Particle size | Count after 20 min |

|-----|-----|

| 0.3 μm | 77,438 |

| 0.5 μm | 29,220 |

| 1.0 μm | 6,291 |

| 2.5 μm | 1,829 |

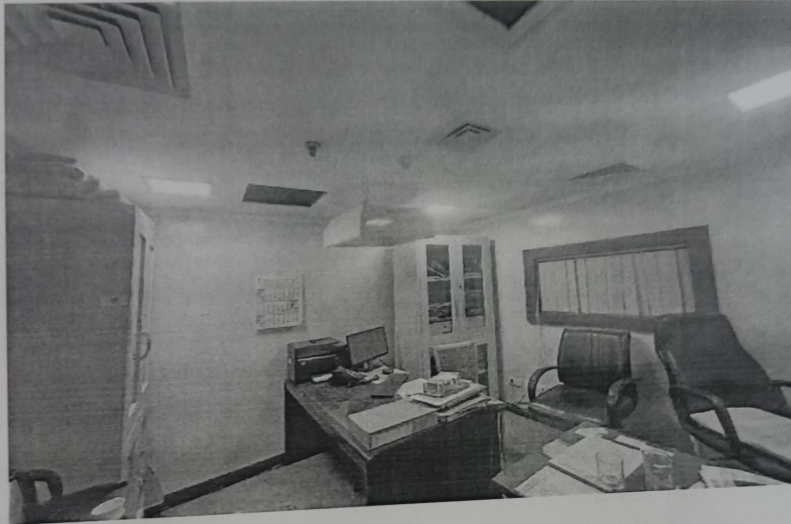
| 5.0 μm | 380 |

| 10 μm | 197 |

(Values taken from the second set of particle counter photographs.)



5) Medical relevance and suitability for Saroj Hospital



- The DP-Industrial system uses HEPA-grade filtration technology which, as demonstrated in previous controlled tests (e.g. incense smoke



The air-quality measurement conducted in the patient cabin at Saroj Hospital demonstrates that the **DP-Industrial air purifier** provides fast and significant reduction in airborne particles, even over a short 26-minute operating period in a real-world clinical environment.

Considering these results together with previously validated high-efficiency tests, the system can be recommended as a medically suitable and technically robust solution to improve indoor air quality in Saroj Hospital and to protect vulnerable patients and healthcare workers.

This report is prepared exclusively for Saroj Hospital and DP Industrial for internal documentation, procurement justification, and quality records.

For acknowledgement and acceptance by Saroj Hospital

We hereby confirm that the above measurements were performed in our facility and that the described DP-Industrial air purifier was installed and operated in the mentioned cabin during the test.

