

Ambient Air Quality Monitoring Report

Swami Rama Himalayan University (SRHU), Dehradun

Monitoring Framework

Swami Rama Himalayan University (SRHU) installed a continuous ambient air quality monitoring system in March 2025 as part of its institutional commitment to environmental stewardship and campus health. Since installation, regular air quality monitoring has been undertaken on a continuous basis to track ambient pollution levels and inform sustainability planning.

For the present reporting period, air quality data were analysed for 1 November 2025 to 26 January 2026, recorded at hourly intervals using the installed monitoring system.

- **Monitoring Device ID:** 1201250030
- **Parameters Monitored:** PM_{2.5}, PM₁₀, Air Quality Index (AQI)
- **Time Zone:** Asia/Kolkata

A total of 2,071 valid hourly observations were included in the analysis.

Parameter	Details / Results
Institution	Swami Rama Himalayan University (SRHU), Dehradun
Air Quality Monitoring System Installation	March 2025
Monitoring Status	Continuous monitoring since installation
Monitoring Period	1 November 2025 – 26 January 2026
Monitoring Device ID	1201250030
Data Resolution	Hourly averages
Total Observations Analysed	2,071 hourly readings
Pollutants Monitored	PM _{2.5} , PM ₁₀ , Air Quality Index (AQI)
Mean AQI	103.6 (Moderate)
Median AQI	73 (Satisfactory)
AQI Range	12 – 360
Mean PM_{2.5} Concentration	48.9 $\mu\text{g}/\text{m}^3$
Mean PM₁₀ Concentration	56.7 $\mu\text{g}/\text{m}^3$
AQI Category Distribution	Good–Satisfactory: >60% of monitored hours
Seasonal Trend	Higher AQI values observed during winter months