

STATE POLLUTION CONTROL BOARD-SIKKIM
AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF DECEMBER 2024

| SN | LOCATION | AIR QUALITY INDEX | | | | | | | | |
|----|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | NAME OF STATION | 03.12.2024 | 05.11.2024 | 10.12.2024 | 12.12.2024 | 17.11.2024 | 19.12.2024 | 21.12.2024 | 23.12.2024 | 26.12.2024 |
| 1 | RANGPO, East Sikkim | 55 (Satisfactory) | 55 (Satisfactory) | 58 (Satisfactory) | 54 (Satisfactory) | 49 (Good) | 52 (Satisfactory) | 50 (Good) | 48 (Good) | 49 (Good) |
| 2 | SINGTAM, East Sikkim | 55 (Satisfactory) | 57 (Satisfactory) | 60 (Satisfactory) | 61 (Satisfactory) | 55 (Satisfactory) | 54 (Satisfactory) | 59 (Satisfactory) | 60 (Satisfactory) | 62 (Satisfactory) |
| 3 | DEORALI, East Sikkim | 47 (Good) | 59 (Satisfactory) | 45 (Good) | 50 (Good) | 50 (Good) | 51 (Satisfactory) | 46 (Good) | 49 (Good) | 47 (Good) |
| 4 | RAVANGLA, South Sikkim | 31 (Good) | 34 (Good) | 28 (Good) | 33 (Good) | 35 (Good) | 29 (Good) | 34 (Good) | 32 (Good) | 31 (Good) |
| 5 | NAMCHI, South Sikkim | 32 (Good) | 33 (Good) | 33 (Good) | 31 (Good) | 34 (Good) | 31 (Good) | 32 (Good) | 32 (Good) | 33 (Good) |
| 6 | PELLING, West Sikkim | 36 (Good) | 35 (Good) | 33 (Good) | 38 (Good) | 38 (Good) | 44 (Good) | 35 (Good) | 38 (Good) | 40 (Good) |
| 7 | MANGAN, North Sikkim | 34 (Good) | 40 (Good) | 29 (Good) | 20 (Good) | 39 (Good) | 38 (Good) | 38 (Good) | 26 (Good) | 21 (Good) |
| 8 | CHUNGTHANG, North Sikkim | 32 (Good) | 33 (Good) | 28 (Good) | 26 (Good) | 24 (Good) | 26 (Good) | 27 (Good) | 22 (Good) | 24 (Good) |

| | | | |
|-----------------------------|----------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------|
| Good(0–50) | Minimal Impact | Poor (201–300) | Breathing discomfort to people on prolonged exposure |
| Satisfactory(51–100) | Minor breathing discomfort to sensitive people | Very Poor(301–400) | Respiratory illness to the people on prolonged exposure |
| Moderate(101–200) | Breathing discomfort to the people with lung, heart disease, children and older adults | Severe(>401) | Respiratory effects even on healthy people |

STATE POLLUTION CONTROL BOARD, SIKKIM AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP FOR THE MONTH OF DECEMBER 2024

| Station | Sampling Date | STANDARD OF PARAMETERS BY C.P.C.B | | | | |
|----------|---------------|--------------------------------------|--------------------------------------|---------------------------------------|----------------------------------------|-----|
| | | SO ₂ (µg/m ³) | NO ₂ (µg/m ³) | PM ₁₀ (µg/m ³) | PM _{2.5} (µg/m ³) | AQI |
| RANGPO | 03.12.2024 | 4.82 | 13.15 | 55.2 | 14.59 | 55 |
| | 05.12.2024 | 6.36 | 10.16 | 54.53 | 12.62 | 55 |
| | 10.12.2024 | 6.25 | 11.81 | 58.08 | 10.13 | 58 |
| | 12.12.2024 | 7.37 | 11.55 | 54.49 | 11.77 | 54 |
| | 17.12.2024 | 4.98 | 13.32 | 48.62 | 14.98 | 49 |
| | 19.12.2024 | 4.98 | 15.91 | 51.82 | 16.84 | 52 |
| | 21.12.2024 | 5.88 | 9.09 | 49.9 | 15.62 | 50 |
| | 23.12.2024 | 5.44 | 10.5 | 48.46 | 17.9 | 48 |
| | 26.12.2024 | 4.32 | 13.8 | 49.45 | 17.37 | 49 |
| Singtam | 03.12.2024 | 6.9 | 12.78 | 55.44 | 17.08 | 55 |
| | 05.12.2024 | 5.73 | 12.39 | 57.03 | 18.75 | 57 |
| | 10.12.2024 | 5.87 | 13.94 | 59.65 | 25.14 | 60 |
| | 12.12.2024 | 6.57 | 14.05 | 61.47 | 22.85 | 61 |
| | 17.12.2024 | 5.3 | 12.05 | 55.33 | 20.49 | 55 |
| | 19.12.2024 | 6.16 | 13.25 | 53.58 | 18.76 | 54 |
| | 21.12.2024 | 6.57 | 13.03 | 58.82 | 26.08 | 59 |
| | 23.12.2024 | 6.51 | 12.82 | 60.33 | 25.61 | 60 |
| | 26.12.2024 | 6.98 | 12.6 | 61.97 | 31.54 | 62 |
| Gangtok | 03.12.2024 | 3.82 | 12.81 | 46.93 | 17.31 | 47 |
| | 05.12.2024 | 5.11 | 11.8 | 58.99 | 23.74 | 59 |
| | 10.12.2024 | 4.87 | 9.87 | 45.09 | 21.42 | 45 |
| | 12.12.2024 | 4.65 | 7.19 | 49.59 | 22.84 | 50 |
| | 17.12.2024 | 5.59 | 11.8 | 49.77 | 19.78 | 50 |
| | 19.12.2024 | 6.08 | 14.03 | 51.36 | 22.95 | 51 |
| | 21.12.2024 | 5.73 | 6.76 | 46.02 | 28.92 | 46 |
| | 23.12.2024 | 7.6 | 12.5 | 48.61 | 21.7 | 49 |
| | 26.12.2024 | 3.66 | 6.86 | 46.9 | 21.64 | 47 |
| Ravangla | 03.12.2024 | 6.17 | 7.1 | 31.01 | 12.84 | 31 |
| | 05.12.2024 | 6.11 | 7.32 | 33.66 | 15.06 | 34 |
| | 10.12.2024 | 5.5 | 6.64 | 28.16 | 11.31 | 28 |
| | 12.12.2024 | 4.96 | 4.89 | 32.52 | 14.16 | 33 |
| | 17.12.2024 | 4.77 | 5.89 | 35.11 | 15.53 | 35 |
| | 19.12.2024 | 5.27 | 5.62 | 29.22 | 12.44 | 29 |
| | 21.12.2024 | 4.85 | 5.54 | 33.53 | 14.68 | 34 |
| | 23.12.2024 | 5.5 | 5.99 | 32.24 | 14.33 | 32 |
| | 26.12.2024 | 5.26 | 5.32 | 30.77 | 12.89 | 31 |

| Station | Sampling Date | STANDARD OF PARAMETERS BY C.P.C.B | | | | |
|------------------------------------------------------------|---------------|--------------------------------------|--------------------------------------|---------------------------------------|----------------------------------------|-----|
| | | SO ₂ (µg/m ³) | NO ₂ (µg/m ³) | PM ₁₀ (µg/m ³) | PM _{2.5} (µg/m ³) | AQI |
| Namchi | 03.12.2024 | 5.34 | 7.31 | 32.25 | 16.1 | 32 |
| | 05.12.2024 | 4.92 | 6.59 | 32.73 | 16.55 | 33 |
| | 10.12.2024 | 4.7 | 7.22 | 32.88 | 14.03 | 33 |
| | 12.12.2024 | 5.76 | 6.58 | 31.27 | 14.07 | 31 |
| | 17.12.2024 | 5.23 | 7.31 | 33.83 | 15.68 | 34 |
| | 19.12.2024 | 5.76 | 6.9 | 31.14 | 16.67 | 31 |
| | 21.12.2024 | 4.37 | 6.29 | 32.05 | 14.96 | 32 |
| | 23.12.2024 | 4.69 | 7.61 | 32.21 | 16.17 | 32 |
| | 26.12.2024 | 4.71 | 6.59 | 33.04 | 14.99 | 33 |
| Pelling | 03.12.2024 | 3.27 | 6 | 36.33 | 15.4 | 36 |
| | 05.12.2024 | 3.87 | 6.68 | 35.13 | 13.4 | 35 |
| | 10.12.2024 | 5.68 | 6.84 | 33.43 | 13.5 | 33 |
| | 12.12.2024 | 4.42 | 7.45 | 37.6 | 12.5 | 38 |
| | 17.12.2024 | 4.67 | 7.6 | 38.27 | 16.7 | 38 |
| | 19.12.2024 | 4.56 | 6.98 | 44.13 | 19 | 44 |
| | 21.12.2024 | 4.04 | 7.13 | 34.6 | 16.4 | 35 |
| | 23.12.2024 | 6.31 | 9.12 | 38.4 | 12.8 | 38 |
| | 26.12.2024 | 6.69 | 9.42 | 39.57 | 17.4 | 40 |
| Mangan | 03.12.2024 | 3.68 | 6.06 | 33.75 | 12.46 | 34 |
| | 05.12.2024 | 4.18 | 6.3 | 39.6 | 16.97 | 40 |
| | 10.12.2024 | 3.14 | 6.07 | 28.89 | 12.34 | 29 |
| | 12.12.2024 | 3.31 | 5.93 | 19.6 | 8.3 | 20 |
| | 17.12.2024 | 3.8 | 6.25 | 38.69 | 16.21 | 39 |
| | 19.12.2024 | 4.04 | 6.25 | 38.16 | 8.31 | 38 |
| | 21.12.2024 | 3.81 | 6.1 | 38.04 | 16.6 | 38 |
| | 23.12.2024 | 3.56 | 5.99 | 25.69 | 12.3 | 26 |
| | 26.12.2024 | 3.33 | 5.8 | 21.22 | 8.65 | 21 |
| Chungthang | 03.12.2024 | 4.15 | 6.11 | 31.98 | 8.96 | 32 |
| | 05.12.2024 | 5.1 | 6.1 | 33.03 | 8.73 | 33 |
| | 10.12.2024 | 5.63 | 6.3 | 28.32 | 6.24 | 28 |
| | 12.12.2024 | 5.33 | 6.24 | 25.95 | 7.28 | 26 |
| | 17.12.2024 | 5.38 | 6.47 | 23.64 | 7.48 | 24 |
| | 19.12.2024 | 5.33 | 5.68 | 25.88 | 5.46 | 26 |
| | 21.12.2024 | 3.93 | 5.79 | 26.73 | 7.16 | 27 |
| | 23.12.2024 | 6.35 | 6.74 | 22.42 | 7.89 | 22 |
| | 26.12.2024 | 4.58 | 6.48 | 24.19 | 7.89 | 24 |
| National Ambient Air Quality Standard (NAAQS-24hrs) | | 80 | 80 | 100 | 60 | |

National Ambient Air Quality Standard (NAAQS-24hrs)