

STATE POLLUTION CONTROL BOARD-SIKKIM
AMBIENT AIR QUALITY MONITORING REPORT FOR THE
MONTH OF MARCH 2022

| SN | LOCATION | AIR QUALITY INDEX | | | | | | | | | | |
|----|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|----------------------|----------------------|
| | | 01.03.2022 | 03.03.2022 | 08.03.2022 | 10.03.2022 | 14.03.2022 | 16.03.2022 | 21.03.2022 | 22.03.2022 | 24.02.2022 | 29.03.2022 | 31.03.2022 |
| 1 | RANGPO, East Sikkim | 74 (Satisfactory) | 69 (Satisfactory) | 70 (Satisfactory) | 75 (Satisfactory) | 75 (Satisfactory) | 75 (Satisfactory) | | 68 (Satisfactory) | 57 (Satisfactory) | 56 (Satisfactory) | 88 (Satisfactory) |
| 2 | SINGTAM, East Sikkim | 66 (Satisfactory) | 63 (Satisfactory) | 68 (Satisfactory) | 71 (Satisfactory) | 74 (Satisfactory) | 69 (Satisfactory) | | 63 (Satisfactory) | 65 (Satisfactory) | 60 (Satisfactory) | 59 (Satisfactory) |
| 3 | DEORALI, East Sikkim | 54 (Satisfactory) | 55 (Satisfactory) | 67 (Satisfactory) | 69 (Satisfactory) | 68 (Satisfactory) | 64 (Satisfactory) | | 69 (Satisfactory) | 64 (Satisfactory) | 82 (Satisfactory) | 66 (Satisfactory) |
| 4 | RAVANGLA, South Sikkim | 22 (Good) | 22 (Good) | 21 (Good) | 22 (Good) | 22 (Good) | 22 (Good) | 21 (Good) | 21 (Good) | 20 (Good) | 19 (Good) | 21 (Good) |
| 5 | NAMCHI, South Sikkim | 31 (Good) | 34 (Good) | 26 (Good) | 25 (Good) | 25 (Good) | 25 (Good) | | 35 (Good) | 38 (Good) | 34 (Good) | 35 (Good) |
| 6 | PELLING, West Sikkim | 39 (Good) | 42 (Good) | 40 (Good) | 35 (Good) | 32 (Good) | 33 (Good) | | 41 (Good) | 48 (Good) | 48 (Good) | 51 (Good) |
| 7 | MANGAN, North Sikkim | 36 (Good) | 32 (Good) | 22 (Good) | 33 (Good) | 30 (Good) | 37 (Good) | | 29 (Good) | 21 (Good) | 24 (Good) | 23 (Good) |
| 8 | CHUNGTHANG, North Sikkim | 27 (Good) | 26 (Good) | 27 (Good) | 25 (Good) | 25 (Good) | 25 (Good) | | 31 (Good) | 31 (Good) | 28 (Good) | 28 (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 MARCH 2022

| STATION | DATE | STANDARD PARAMETERS BY C.P.C.B | | | |
|----------|------------|---------------------------------------|--------------------------------------|--------------------------------------|-----|
| | | PM ₁₀ (µg/m ³) | SO ₂ (µg/m ³) | NO ₂ (µg/m ³) | AQI |
| RANGPO | 01/03/2022 | 73.93 | 7.43 | 10.35 | 74 |
| | 03/03/2022 | 68.84 | 6.47 | 10.17 | 69 |
| | 08/03/2022 | 70.29 | 8.92 | 9.94 | 70 |
| | 10/03/2022 | 74.69 | 7.38 | 10.38 | 75 |
| | 14/03/2022 | 75.3 | 4.56 | 9.48 | 75 |
| | 16/03/2022 | 75.32 | 5.42 | 9.16 | 75 |
| | 22/03/2022 | 68.3 | 4.78 | 9.43 | 68 |
| | 24/03/2022 | 56.9 | 7.59 | 8.15 | 57 |
| | 29/03/2022 | 56.12 | 7.44 | 9.21 | 56 |
| | 31/03/2022 | 88.43 | 6.94 | 10.95 | 88 |
| SINGTAM | 01/03/2022 | 65.63 | 9.14 | 11.16 | 66 |
| | 03/03/2022 | 62.77 | 8.77 | 10.37 | 63 |
| | 08-03-2022 | 68.43 | 9.35 | 10.2 | 68 |
| | 10-03-2022 | 70.61 | 9.66 | 10.24 | 71 |
| | 14-03-2022 | 73.82 | 10.36 | 11.2 | 74 |
| | 16-03-2022 | 69.38 | 8.47 | 11.03 | 69 |
| | 22/03/2022 | 62.71 | 9.65 | 10.21 | 63 |
| | 24/03/2022 | 64.83 | 9.36 | 10.58 | 65 |
| | 29/03/2022 | 60.12 | 8.86 | 10.42 | 60 |
| | 31/03/2022 | 58.77 | 9.01 | 11.09 | 59 |
| DEORALI | 01/03/2022 | 53.67 | 3.64 | 9.96 | 54 |
| | 03/03/2022 | 55.38 | 3.89 | 9.51 | 55 |
| | 08-03-2022 | 66.86 | 4.1 | 8.18 | 67 |
| | 10-03-2022 | 68.86 | 3.9 | 7.5 | 69 |
| | 14-03-2022 | 68.12 | 3.1 | 8.93 | 68 |
| | 16-03-2022 | 64.35 | 2.6 | 8.41 | 64 |
| | 22/03/2022 | 69.24 | 5.41 | 8.22 | 69 |
| | 24/03/2022 | 64.17 | 5.63 | 8.56 | 64 |
| | 29/03/2022 | 81.63 | 5.47 | 9.03 | 82 |
| | 31/03/2022 | 66.21 | 4.78 | 8.41 | 66 |
| RAVANGLA | 01/03/2022 | 22.19 | 4.86 | 4.4 | 22 |
| | 03/03/2022 | 21.61 | 3.61 | 4.69 | 22 |
| | 08-03-2022 | 21.1 | 4.7 | 3.09 | 21 |
| | 10-03-2022 | 22.32 | 3.8 | 3.7 | 22 |
| | 14/03/2022 | 21.74 | 5.16 | 5.14 | 22 |
| | 16/03/2022 | 21.61 | 4.69 | 3.77 | 22 |
| | 21/03/2022 | 21.41 | 5.53 | 3.57 | 21 |

| STATION | DATE | STANDARD PARAMETERS BY C.P.C.B | | | |
|------------|------------|---------------------------------------|--------------------------------------|--------------------------------------|-----|
| | | PM ₁₀ (µg/m ³) | SO ₂ (µg/m ³) | NO ₂ (µg/m ³) | AQI |
| | 22/03/2022 | 21.41 | 4.76 | 3.44 | 21 |
| | 24/03/2022 | 19.55 | 4.41 | 4.32 | 20 |
| | 29/03/2022 | 19.11 | 5.51 | 3.67 | 19 |
| | 31/03/2022 | 20.51 | 5.88 | 4.92 | 21 |
| | | | | | |
| NAMCHI | 01/03/2022 | 31.26 | 4.66 | 6.25 | 31 |
| | 03/03/2022 | 33.59 | 3.76 | 7.08 | 34 |
| | 08-03-2022 | 26.17 | 3.92 | 5.94 | 26 |
| | 10-03-2022 | 25.44 | 3.65 | 5.34 | 25 |
| | 14-03-2022 | 25.25 | 3.91 | 4.76 | 25 |
| | 16-03-2022 | 25.04 | 4.11 | 5.14 | 25 |
| | 22/03/2022 | 35.08 | 5.23 | 4.85 | 35 |
| | 24/03/2022 | 37.86 | 4.7 | 5.48 | 38 |
| | 29/03/2022 | 34.35 | 5.51 | 6.26 | 34 |
| | 31/03/2022 | 35.47 | 3.5 | 5.55 | 35 |
| PELLING | 01/03/2022 | 38.63 | 3.58 | 1.72 | 39 |
| | 03/03/2022 | 41.83 | 4.03 | 1.69 | 42 |
| | 08/03/2022 | 40.43 | 4.92 | 1.86 | 40 |
| | 10/03/2022 | 34.53 | 3.13 | 1.77 | 35 |
| | 14/03/2022 | 31.8 | 3.47 | 2.34 | 32 |
| | 16/03/2022 | 32.67 | 3.91 | 2.17 | 33 |
| | 22/03/2022 | 40.77 | 6.5 | 4.04 | 41 |
| | 24/03/2022 | 48.27 | 4.14 | 2.34 | 48 |
| | 29/03/2022 | 48.3 | 4.93 | 2.52 | 48 |
| | 31/03/2022 | 50.6 | 3.94 | 2.69 | 51 |
| MANGAN | 01/03/2022 | 35.67 | 1.42 | 6.07 | 36 |
| | 03/03/2022 | 32.28 | 1.42 | 5.28 | 32 |
| | 08/03/2022 | 22.32 | 1.82 | 6.99 | 22 |
| | 10/03/2022 | 33.44 | 2.25 | 7.78 | 33 |
| | 14/03/2022 | 30 | 1.83 | 8.67 | 30 |
| | 16/03/2022 | 37.37 | 1.95 | 5.83 | 37 |
| | 22/03/2022 | 28.87 | 2.4 | 6.19 | 29 |
| | 24/03/2022 | 20.78 | 2.26 | 6.82 | 21 |
| | 29/03/2022 | 24.08 | 1.95 | 4.6 | 24 |
| | 31/03/2022 | 23.45 | 2.25 | 5.81 | 23 |
| CHUNGTHANG | 01/03/2022 | 26.73 | 3.47 | 4.42 | 27 |
| | 03/03/2022 | 25.99 | 4.4 | 4.8 | 26 |
| | 08/03/2022 | 27.04 | 5.06 | 6.22 | 27 |
| | 10/03/2022 | 25.2 | 5.66 | 6.01 | 25 |
| | 14/03/2022 | 25.42 | 6.26 | 6.95 | 25 |
| | 16/03/2022 | 25.48 | 6.55 | 6.79 | 25 |
| | 22/03/2022 | 30.67 | 5.36 | 5.5 | 31 |

| STATION | DATE | STANDARD PARAMETERS BY C.P.C.B | | | |
|--|------------|---------------------------------------|--------------------------------------|--------------------------------------|-----|
| | | PM ₁₀ (µg/m ³) | SO ₂ (µg/m ³) | NO ₂ (µg/m ³) | AQI |
| | 24/03/2022 | 30.79 | 5.66 | 6.33 | 31 |
| | 29/03/2022 | 28.19 | 2.98 | 4.61 | 28 |
| | 31/03/2022 | 27.87 | 4.46 | 4.93 | 28 |
| National Ambient Air Quality Standard (NAAQS-24hrs) | | 100 | 80 | 80 | |

National Ambient Air Quality Standard (NAAQS-24hrs)