

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

| SN | LOCATION                 | AIR QUALITY INDEX    |                      |                      |                      |                      |              |                      |                      |
|----|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|----------------------|
|    | NAME OF STATION          | 05.03.2024           | 07.03.2024           | 12.03.2024           | 14.02.2024           | 19.03.2024           | 21.03.2024   | 26.03.2024           | 28.03.2024           |
| 1  | RANGPO, East Sikkim      | 54<br>(Satisfactory) | 53<br>(Satisfactory) | 56<br>(Satisfactory) | 54<br>(Satisfactory) | -                    | -            | 53<br>(Satisfactory) | 49<br>(Good)         |
| 2  | SINGTAM, East Sikkim     | 65<br>(Satisfactory) | 59<br>(Satisfactory) | 57<br>(Satisfactory) | 63<br>(Satisfactory) | -                    | -            | 57<br>(Satisfactory) | 61<br>(Satisfactory) |
| 3  | DEORALI, East Sikkim     | 77<br>(Satisfactory) | 62<br>(Satisfactory) | 66<br>(Satisfactory) | 62<br>(Satisfactory) | 68<br>(Satisfactory) | 35<br>(Good) | 47<br>(Good)         | 55<br>(Satisfactory) |
| 4  | RAVANGLA, South Sikkim   | 21<br>(Good)         | 22<br>(Good)         | 21<br>(Good)         | 19<br>(Good)         | -                    | -            | 20<br>(Good)         | 19<br>(Good)         |
| 5  | NAMCHI, South Sikkim     | 31<br>(Good)         | 34<br>(Good)         | 36<br>(Good)         | 33<br>(Good)         | -                    | -            | 33<br>(Good)         | 34<br>(Good)         |
| 6  | PELLING, West Sikkim     | 35<br>(Good)         | 31<br>(Good)         | 30<br>(Good)         | 40<br>(Good)         | -                    | -            | 27<br>(Good)         | 39<br>(Good)         |
| 7  | MANGAN, North Sikkim     | 45<br>(Good)         | 44<br>(Good)         | 47<br>(Good)         | 46<br>(Good)         | -                    | -            | 41<br>(Good)         | 31<br>(Good)         |
| 8  | CHUNGTHANG, North Sikkim | 32<br>(Good)         | 32<br>(Good)         | 33<br>(Good)         | 32<br>(Good)         | -                    | -            | 30<br>(Good)         | 26<br>(Good)         |

|                                 |  |                               |   |
|---------------------------------|--|-------------------------------|---|
| <b>Good</b><br>(0-50)           | Minimal Impact   | <b>Poor</b><br>(201-300)      | Breathing discomfort to people on prolonged exposure    |
| <b>Satisfactory</b><br>(51-100) | Minor breathing discomfort to sensitive people   | <b>Very Poor</b><br>(301-400) | Respiratory illness to the people on prolonged exposure |
| <b>Moderate</b><br>(101-200)    | Breathing discomfort to the people with lung, heart disease, children and older adults | <b>Severe</b><br>(>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 2024**

| Station  | Sampling Date | STANDARD OF PARAMETERS BY C.P.C.B    |                                      |                                       |  |     |
|----------|---------------|--------------------------------------|--------------------------------------|---------------------------------------|--|-----|
|          |               | SO <sub>2</sub> (µg/m <sup>3</sup> ) | NO <sub>2</sub> (µg/m <sup>3</sup> ) | PM <sub>10</sub> (µg/m <sup>3</sup> ) | PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | AQI |
| RANGPO   | 05-03-2024    | 4.61                                 | 11.5                                 | 54.47                                 | 15.37                                  | 54  |
|          | 07-03-2024    | 3.31                                 | 10.95                                | 53.48                                 | 26.76                                  | 53  |
|          | 12-03-2024    | 4.41                                 | 10.16                                | 56.15                                 | 17.21                                  | 56  |
|          | 14-03-2024    | 3.52                                 | 10.57                                | 53.61                                 | 19.32                                  | 54  |
|          | 26-03-2024    | 3.35                                 | 7.99                                 | 53.03                                 | 23.49                                  | 53  |
|          | 28-03-2024    | 3.35                                 | 11.00                                | 49.14                                 | 25.17                                  | 49  |
| Singtam  | 05-03-2024    | 7.03                                 | 10.55                                | 65.25                                 | 26.00                                  | 65  |
|          | 07-03-2024    | 6.45                                 | 11.55                                | 58.91                                 | 24.88                                  | 59  |
|          | 12-03-2024    | 6.58                                 | 12.02                                | 57.34                                 | 27.48                                  | 57  |
|          | 14-03-2024    | 7.29                                 | 12.31                                | 63.21                                 | 30.49                                  | 63  |
|          | 26-03-2024    | 4.05                                 | 10.86                                | 57.21                                 | 23.08                                  | 57  |
|          | 28-03-2024    | 4.37                                 | 10.27                                | 61.17                                 | 29.06                                  | 61  |
| Deorali  | 05-03-2024    | 6.40                                 | 9.57                                 | 76.57                                 | 29.11                                  | 77  |
|          | 07-03-2024    | 5.80                                 | 9.13                                 | 61.71                                 | 27.05                                  | 62  |
|          | 12-03-2024    | 4.30                                 | 9.55                                 | 66.45                                 | 25.43                                  | 66  |
|          | 14-03-2024    | 7.50                                 | 15.84                                | 61.64                                 | 23.7                                   | 62  |
|          | 19-03-2024    | 5.50                                 | 11.93                                | 68.01                                 | 33.27                                  | 68  |
|          | 21-03-2024    | 6.50                                 | 12.19                                | 34.92                                 | 17.07                                  | 35  |
|          | 26-03-2024    | 7.20                                 | 12.87                                | 46.92                                 | 24.36                                  | 47  |
|          | 28-03-2024    | 4.90                                 | 11.34                                | 55.01                                 | 23.35                                  | 55  |
| Ravangla | 05-03-2024    | 3.75                                 | 2.71                                 | 21.05                                 | 6.39                                   | 21  |
|          | 07-03-2024    | 2.19                                 | 4.70                                 | 21.8                                  | 6.71                                   | 22  |
|          | 12-03-2024    | 2.85                                 | 4.20                                 | 21.11                                 | 7.52                                   | 21  |
|          | 14-03-2024    | 3.68                                 | 3.71                                 | 19.41                                 | 7.49                                   | 19  |
|          | 26-03-2024    | 2.87                                 | 4.02                                 | 19.56                                 | 4.19                                   | 20  |
|          | 28-03-2024    | 3.75                                 | 3.05                                 | 19.45                                 | 6.66                                   | 19  |
| Namchi   | 05-03-2024    | 2.90                                 | 4.22                                 | 30.53                                 | -                                      | 31  |
|          | 07-03-2024    | 3.90                                 | 4.90                                 | 34.44                                 | -                                      | 34  |
|          | 12-03-2024    | 4.40                                 | 5.19                                 | 35.56                                 | -                                      | 36  |
|          | 14-03-2024    | 4.20                                 | 5.85                                 | 32.99                                 | -                                      | 33  |
|          | 26-03-2024    | 3.40                                 | 5.91                                 | 32.55                                 | -                                      | 33  |
|          | 28-03-2024    | 4.20                                 | 6.28                                 | 33.94                                 | -                                      | 34  |
| Pelling  | 05-03-2024    | 4.86                                 | 2.54                                 | 34.90                                 | 16.05                                  | 35  |
|          | 07-03-2024    | 9.95                                 | 4.29                                 | 30.70                                 | 14.59                                  | 31  |
|          | 12-03-2024    | 9.26                                 | 3.70                                 | 30.40                                 | 15.02                                  | 30  |
|          | 14-03-2024    | 7.41                                 | 3.07                                 | 40.30                                 | 15.23                                  | 40  |
|          | 26-03-2024    | 4.86                                 | 3.76                                 | 27.20                                 | 13.76                                  | 27  |
|          | 28-03-2024    | 5.09                                 | 2.96                                 | 39.40                                 | 17.79                                  | 39  |

| Station  | Sampling Date | STANDARD OF PARAMETERS BY C.P.C.B    |                                      |                                       |  |     |
|--|---------------|--------------------------------------|--------------------------------------|---------------------------------------|--|-----|
|  |               | SO <sub>2</sub> (µg/m <sup>3</sup> ) | NO <sub>2</sub> (µg/m <sup>3</sup> ) | PM <sub>10</sub> (µg/m <sup>3</sup> ) | PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | AQI |
| Mangan   | 05-03-2024    | 4.06                                 | 2.70                                 | 45.03                                 | 23.89                                  | 45  |
|  | 07-03-2024    | 4.35                                 | 2.50                                 | 43.71                                 | 17.89                                  | 44  |
|  | 12-03-2024    | 4.14                                 | 2.50                                 | 46.90                                 | 23.88                                  | 47  |
|  | 14-03-2024    | 3.90                                 | 2.30                                 | 45.84                                 | 23.90                                  | 46  |
|  | 26-03-2024    | 2.70                                 | 3.68                                 | 40.53                                 | 23.9                                   | 41  |
|  | 28-03-2024    | 2.00                                 | 3.69                                 | 30.73                                 | 17.94                                  | 31  |
| Chungthang   | 05-03-2024    | 4.20                                 | 6.41                                 | 31.94                                 | -                                      | 32  |
|  | 07-03-2024    | 4.30                                 | 6.63                                 | 32.29                                 | -                                      | 32  |
|  | 12-03-2024    | 4.00                                 | 5.19                                 | 33.35                                 | -                                      | 33  |
|  | 14-03-2024    | 4.50                                 | 6.63                                 | 31.66                                 | -                                      | 32  |
|  | 26-03-2024    | 3.60                                 | 4.74                                 | 29.96                                 | -                                      | 30  |
|  | 28-03-2024    | 4.70                                 | 5.96                                 | 26.28                                 | -                                      | 26  |
| <b>National Ambient Air Quality Standard (NAAQS-24hrs)</b> |               | <b>80</b>                            | <b>80</b>                            | <b>100</b>                            | <b>60</b>                              |     |

**National Ambient Air Quality Standard (NAAQS-24hrs)**