

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

| SN | LOCATION                 | AIR QUALITY INDEX |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|----|--------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|    | NAME OF STATION          | 02.05.2022        | 03.05.2022           | 05.05.2022           | 10.05.2022           | 12.05.2022           | 17.05.2022           | 19.05.2022           | 20.05.2022           | 24.05.2022           | 26.05.2022           | 31.05.2022           |
| 1  | RANGPO, East Sikkim      |                   | 77<br>(Satisfactory) | 80<br>(Satisfactory) | 77<br>(Satisfactory) | 76<br>(Satisfactory) | 59<br>(Satisfactory) |                      | 85<br>(Satisfactory) | 72<br>(Satisfactory) | 81<br>(Satisfactory) | 86<br>(Satisfactory) |
| 2  | SINGTAM, East Sikkim     |                   | 54<br>(Satisfactory) | 58<br>(Satisfactory) | 52<br>(Satisfactory) | 51<br>(Satisfactory) | 56<br>(Satisfactory) |                      | 58<br>(Satisfactory) | 54<br>(Satisfactory) | 60<br>(Satisfactory) | 59<br>(Satisfactory) |
| 3  | DEORALI, East Sikkim     |                   | 59<br>(Satisfactory) | 55<br>(Satisfactory) | 56<br>(Satisfactory) | 57<br>(Satisfactory) | 58<br>(Satisfactory) | 54<br>(Satisfactory) |                      | 60<br>(Satisfactory) | 50<br>(Good)         | 40<br>(Good)         |
| 4  | RAVANGLA, South Sikkim   |                   | 22<br>(Good)         | 21<br>(Good)         | 22<br>(Good)         | 20<br>(Good)         | 23<br>(Good)         | 20<br>(Good)         |                      | 20<br>(Good)         | 21<br>(Good)         | 20<br>(Good)         |
| 5  | NAMCHI, South Sikkim     | 33<br>(Good)      | 35<br>(Good)         | 35<br>(Good)         | 33<br>(Good)         | 35<br>(Good)         | 34<br>(Good)         | 34<br>(Good)         |                      | 34<br>(Good)         | 37<br>(Good)         | 37<br>(Good)         |
| 6  | PELLING, West Sikkim     |                   | 54<br>(Satisfactory) | 58<br>(Satisfactory) | 52<br>(Satisfactory) | 51<br>(Satisfactory) | 56<br>(Satisfactory) |                      | 58<br>(Satisfactory) | 54<br>(Satisfactory) | 60<br>(Satisfactory) | 59<br>(Satisfactory) |
| 7  | MANGAN, North Sikkim     |                   | 34<br>(Good)         | 29<br>(Good)         | 31<br>(Good)         | 26<br>(Good)         | 34<br>(Good)         | 31<br>(Good)         |                      | 25<br>(Good)         | 27<br>(Good)         | 25<br>(Good)         |
| 8  | CHUNGTHANG, North Sikkim |                   | 27<br>(Good)         | 27<br>(Good)         | 28<br>(Good)         | 29<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 MAY 2022**

| STATION  | 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> ) | AQI |
| RANGPO   | 03/05/2022 | 5.61                                 | 11.77                                | 76.57                                 | 77  |
|          | 05/05/2022 | 4.57                                 | 12.39                                | 79.55                                 | 80  |
|          | 10/05/2022 | 6.3                                  | 11.15                                | 77.09                                 | 77  |
|          | 12/05/2022 | 5.84                                 | 9.84                                 | 75.7                                  | 76  |
|          | 17/05/2022 | 9.06                                 | 13.19                                | 58.56                                 | 59  |
|          | 20/05/2022 | 6.82                                 | 12.12                                | 85.08                                 | 85  |
|          | 24/05/2022 | 7.37                                 | 12.56                                | 71.85                                 | 72  |
|          | 26/05/2022 | 5.89                                 | 13.42                                | 81.05                                 | 81  |
|          | 31/05/2022 | 8.16                                 | 10.62                                | 86.39                                 | 86  |
| SINGTAM  | 03/05/2022 | 8.11                                 | 10.82                                | 54.44                                 | 54  |
|          | 05/05/2022 | 9.08                                 | 9.37                                 | 57.5                                  | 58  |
|          | 10/05/2022 | 8.38                                 | 9.58                                 | 51.78                                 | 52  |
|          | 12/05/2022 | 7.84                                 | 9.57                                 | 51.21                                 | 51  |
|          | 17/05/2022 | 7.11                                 | 9.92                                 | 55.83                                 | 56  |
|          | 20/05/2022 | 6.86                                 | 9.5                                  | 58.36                                 | 58  |
|          | 24/05/2022 | 8.33                                 | 10.21                                | 54.13                                 | 54  |
|          | 26/05/2022 | 8.58                                 | 10.06                                | 59.78                                 | 60  |
|          | 31/05/2022 | 8.81                                 | 11.24                                | 58.69                                 | 59  |
| GANGTOK  | 03/05/2022 | 4                                    | 10.16                                | 58.67                                 | 59  |
|          | 05/05/2022 | 4.29                                 | 10.46                                | 55.27                                 | 55  |
|          | 10/05/2022 | 4.96                                 | 10.15                                | 56.12                                 | 56  |
|          | 12/05/2022 | 4.18                                 | 10.09                                | 57.19                                 | 57  |
|          | 17/05/2022 | 6.29                                 | 11.79                                | 57.98                                 | 58  |
|          | 19/05/2022 | 4.4                                  | 11.34                                | 54.08                                 | 54  |
|          | 24/05/2022 | 3.62                                 | 13.22                                | 59.85                                 | 60  |
|          | 26/05/2022 | 4.2                                  | 12.63                                | 50.39                                 | 50  |
|          | 31/05/2022 | 5.52                                 | 9.55                                 | 40.24                                 | 40  |
| RAVANGLA | 03/05/2022 | 3.72                                 | 3.28                                 | 21.59                                 | 22  |
|          | 05/05/2022 | 3.55                                 | 4.63                                 | 20.71                                 | 21  |
|          | 10/05/2022 | 3.37                                 | 5.21                                 | 21.9                                  | 22  |
|          | 12/05/2022 | 3.63                                 | 4.17                                 | 20.23                                 | 20  |
|          | 17/05/2022 | 4.4                                  | 4.4                                  | 22.9                                  | 23  |
|          | 19/05/2022 | 3.45                                 | 4.11                                 | 19.98                                 | 20  |
|          | 24/05/2022 | 4.34                                 | 4.15                                 | 20.47                                 | 20  |

| STATION   | 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> ) | AQI   |
|   | 26/05/2022 | 4.21                                 | 4.54                                 | 20.56                                 | 21    |
|   | 31/05/2022 | 5.22                                 | 3.07                                 | 20.2                                  | 20    |
|   | 02/05/2022 | 4.07                                 | 4.8                                  | 33.43                                 | 33    |
| NAMCHI  | 03/05/2022 | 4.01                                 | 4.01                                 | 34.98                                 | 35    |
|   | 05/05/2022 | 4.44                                 | 5.72                                 | 35.22                                 | 35    |
|   | 10/05/2022 | 4.43                                 | 6.35                                 | 33.44                                 | 33    |
|   | 12/05/2022 | 4.43                                 | 6.19                                 | 34.98                                 | 35    |
|   | 17/05/2022 | 4.86                                 | 5.75                                 | 33.79                                 | 34    |
|   | 19/05/2022 | 5.07                                 | 5.87                                 | 33.81                                 | 34    |
|   | 24/05/2022 | 3.32                                 | 5.7                                  | 33.92                                 | 34    |
|   | 26/05/2022 | 4.43                                 | 5.71                                 | 37.23                                 | 37    |
|   | 31/05/2022 | 4.22                                 | 6.33                                 | 36.63                                 | 37    |
|   | PELLING    | 03/05/2022                           | 8.11                                 | 10.82                                 | 54.44 |
| 05/05/2022  |            | 9.08                                 | 9.37                                 | 57.5                                  | 58    |
| 10/05/2022  |            | 8.38                                 | 9.58                                 | 51.78                                 | 52    |
| 12/05/2022  |            | 7.84                                 | 9.57                                 | 51.21                                 | 51    |
| 17/05/2022  |            | 7.11                                 | 9.92                                 | 55.83                                 | 56    |
| 20/05/2022  |            | 6.86                                 | 9.5                                  | 58.36                                 | 58    |
| 24/05/2022  |            | 8.33                                 | 10.21                                | 54.13                                 | 54    |
| 26/05/2022  |            | 8.58                                 | 10.06                                | 59.78                                 | 60    |
| 31/05/2022  |            | 8.81                                 | 11.24                                | 58.69                                 | 59    |
| MANGAN  | 03/05/2022 | 2.3                                  | 6.22                                 | 33.64                                 | 34    |
|   | 05/05/2022 | 2.1                                  | 5.84                                 | 29.31                                 | 29    |
|   | 10/05/2022 | 1.88                                 | 6.38                                 | 31.14                                 | 31    |
|   | 12/05/2022 | 2.08                                 | 6.17                                 | 25.83                                 | 26    |
|   | 17/05/2022 | 1.9                                  | 6.2                                  | 34.38                                 | 34    |
|   | 19/05/2022 | 2.49                                 | 6.05                                 | 31.35                                 | 31    |
|   | 24/05/2022 | 2.08                                 | 6.83                                 | 25.25                                 | 25    |
|   | 26/05/2022 | 2.29                                 | 6.34                                 | 27.28                                 | 27    |
|   | 31/05/2022 | 1.69                                 | 5.37                                 | 24.84                                 | 25    |
| CHUNGTHANG  | 03/05/2022 | 3.54                                 | 4                                    | 27.37                                 | 27    |
|   | 05/05/2022 | 3.12                                 | 5.25                                 | 27.34                                 | 27    |
|   | 10/05/2022 | 3.12                                 | 5                                    | 27.72                                 | 28    |
|   | 12/05/2022 | 2.71                                 | 5.38                                 | 29.08                                 | 29    |
| National Ambient Air Quality Standard (NAAQS-24hrs) |            | 100                                  | 80                                   | 80                                    |       |

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