

STATE POLLUTION CONTROL BOARD-SIKKIM

AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF

FEBRUARY (2nd WEEK) 2019.

| S.No. | LOCATION | AIR QUALITY INDEX | |
|-------|-------------------------------|--------------------|--------------------|
| | NAME OF STATION | 12.02.2019 | 14.02.2019 |
| 1 | RANGPO, East Sikkim | 93 (Satisfactory) | 69 (Satisfactory) |
| 2 | SINGTAM, East Sikkim | 64 (Satisfactory) | 62 (Satisfactory) |
| 3 | DEORALI, Gangtok, East Sikkim | 55 (Satisfactory) | 60 (Satisfactory) |
| 4 | RAVANGLA, South Sikkim | 37 (Good) | 31 (Good) |
| 5 | NAMCHI, South Sikkim | 33 (Good) | 28 (Good) |
| 6 | PELLING, West Sikkim | 28 (Good) | 26 (Good) |
| 7 | CHUNGTHANG, North Sikkim | 31 (Good) | 31 (Good) |
| 8 | MANGAN, North Sikkim | 46 (Good) | 54 (Satisfactory) |

| | | | |
|----------------------------------|--|--------------------------------|---|
| 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 |

Interpretation of Ambient Air Quality Data/Results:

As per the findings of the Ambient Air Quality monitoring, the quality of Ambient Air remains unaffected during the month of February 2nd week 2019 (i.e. 12/02/2019 and 14/02/2019) and as per the AQI, the quality of air at almost all the locations were good except the pollutants level of Rangpo, Singtam, Deorali, Gangtok and Mangan are higher due to maximum movement of vehicles in the surrounding area.

STATE POLLUTION CONTROL BOARD, SIKKIM
 AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP
 FOR THE MONTH OF FEBRUARY (2nd WEEK) 2019

| STATION | DATE | STANDARD OF PARAMETERS BY C.P.C.B | | |
|--|------------|-----------------------------------|--|--|
| | | PM10 ($\mu\text{g}/\text{m}^3$) | SO ₂ ($\mu\text{g}/\text{m}^3$) | NO ₂ ($\mu\text{g}/\text{m}^3$) |
| RANGPO | 12-02-2019 | 88.6 | 5.50 | 9.78 |
| | 14-02-2019 | 87.78 | 5.55 | 8.34 |
| SINGTAM | 12-02-2019 | 62.45 | 5.4 | 3.91 |
| | 14-02-2019 | 64.68 | 5 | 4.19 |
| DEORALI | 12-02-2019 | 55.13 | 3.8 | 5.41 |
| | 14-02-2019 | 60.04 | 4.2 | 4.81 |
| PELLING | 12-02-2019 | 34.4 | 2.78 | 2.70 |
| | 14-02-2019 | 50.1 | 3.75 | 2.70 |
| RAVANGLA | 12-02-2019 | 18.94 | 3.6 | 2.05 |
| | 14-02-2019 | 22.82 | 4.9 | 2.76 |
| NAMCHI | 12-02-2019 | 36.09 | 5.2 | 4.23 |
| | 14-02-2019 | 33.39 | 6.6 | 3.98 |
| CHUNGTHANG | 12-02-2019 | 39.08 | 4.2 | 1.90 |
| | 14-02-2019 | 34.95 | 3.8 | 2.32 |
| MANGAN | 12-02-2019 | 42.99 | 4.5 | 3.88 |
| | 14-02-2019 | 50.51 | 3.1 | 1.87 |
| National Ambient Air Quality Standards (NAAQS – 24 hrs) | | 100 | 80 | 80 |