

## STATE POLLUTION CONTROL BOARD-SIKKIM

### AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF DECEMBER

(1<sup>ST</sup> WEEK) 2017.

	LOCATION	AIR QUALITY INDEX	
	NAME OF STATION	02.12.2017	05.12.2017
1	RANGPO, East Sikkim	89 (Satisfactory)	87 (Satisfactory)
2	SINGTAM, East Sikkim	56 (Satisfactory)	66 (Satisfactory)
3	GANGTOK, East Sikkim	50 (Good)	49 (Good)
4	RAVANGLA, South Sikkim	20 (Good)	18 (Good)
5	NAMCHI, South Sikkim	25 (Good)	24 (Good)
6	PELLING, West Sikkim	27 (Good)	21 (Good)
7	CHUNGTHANG, North Sikkim	23 (Good)	24 (Good)
8	MANGAN, North Sikkim	32 (Good)	29 (Good)

<b>Good</b> (0-50)	Minimal Impact	<b>Poor</b> (201-300)	Breathing discomfort to people on prolonged exposure
<b>Satisfactory</b> (51-100)	Minor breathing discomfort to sensitive people	<b>Very Poor</b> (301-400)	Respiratory illness to the people on prolonged exposure
<b>Moderate</b> (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Severe</b> (>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 December 1<sup>st</sup> week 2017 (i.e. 02/12/2017 & 05/12/2017) and as per the AQI, the quality of air at almost all the locations were good.

STATE POLLUTION CONTROL BOARD SIKKIM  
 AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP  
 FOR THE MONTH OF DECEMBER (1<sup>st</sup> WEEK) 2017.

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B		
		PM10 ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
RANGPO	02.12.2017	89.19	5.86	8.29
	05.12.2017	86.51	7.70	10.42
SINGTAM	02.12.2017	55.92	7.64	2.29
	05.12.2017	66.05	8.33	2.75
DEORALI, GANGTOK	02.12.2017	50.05	4.66	5.55
	05.12.2017	49.25	4.35	5.96
PELLING	02.12.2017	26.80	6.51	7.13
	05.12.2017	21.10	10.87	4.33
RAVANGLA	02.12.2017	20.33	4.20	2.45
	05.12.2017	17.89	4.50	2.27
NAMCHI	02.12.2017	25.56	7.80	4.43
	05.12.2017	24.32	4.67	2.79
CHUNGTHANG	02.12.2017	22.91	1.60	1.47
	05.12.2017	23.61	1.79	0.95
MANGAN	02.12.2017	32.29	6.66	0.88
	05.12.2017	28.84	4.16	1.65
<b>National Ambient Air Quality Standards (NAAQS) – 24 hrs</b>		<b>100</b>	<b>80</b>	<b>80</b>