

## STATE POLLUTION CONTROL BOARD-SIKKIM

### AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF JANUARY (2<sup>nd</sup>WEEK) 2018.

	LOCATION	AIR QUALITY INDEX	
	NAME OF STATION	09.01.2018	11.01.2018
1	RANGPO, East Sikkim	80 (Satisfactory)	84 (Satisfactory)
2	SINGTAM, East Sikkim	60 (Satisfactory)	59 (Satisfactory)
3	DEORALI, Gangtok, East Sikkim	61 (Satisfactory)	60 (Satisfactory)
4	RAVANGLA, South Sikkim	27 (Good)	25 (Good)
5	NAMCHI, South Sikkim	22 (Good)	21 (Good)
6	PELLING, West Sikkim	32 (Good)	32 (Good)
7	CHUNGTHANG, North Sikkim	33 (Good)	23 (Good)
8	MANGAN, North Sikkim	26 (Good)	26 (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 January 2<sup>nd</sup> week 2018 (i.e. 09/01/2018 & 11/01/2018) and as per the AQI, the quality of air at almost all the locations were good, except the pollutant level of Rangpo, Singtam & Deorali, Gangtok were high in level due to maximum movement of vehicles in and around the stations.

STATE POLLUTION CONTROL BOARD, SIKKIM  
 AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP  
 FOR THE MONTH OF JANUARY (2<sup>nd</sup> WEEK) 2018

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B		
		PM10 ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub>	NO <sub>2</sub>
RANGPO	09/01/2018	80.74	10.04	6.23
	11/01/2018	84.20	7.11	6.92
SINGTAM	09/01/2018	60.85	7.50	5.99
	11/01/2018	59.11	7.92	5.08
DEORALI,GANGTOK	09/01/2018	61.42	5.72	6.04
	11/01/2018	60.36	4.94	7.01
PELLING	09/01/2018	32.10	6.02	3.93
	11/01/2018	32.70	6.95	4.10
RAVANGLA	09/01/2018	27.72	4.20	3.67
	11/01/2018	25.51	3.90	2.54
NAMCHI	09/01/2018	22.04	4.87	3.04
	11/01/2018	21.26	4.16	3.59
CHUNGTHANG	09/01/2018	33.85	4.16	1.87
	11/01/2018	23.88	2.86	0.84
MANGAN	09/01/2018	26.53	2.50	1.01
	11/01/2018	26.52	5.00	1.65
<b>National Ambient Air Quality Standards (NAAQS) – 24 hrs</b>		<b>100</b>	<b>80</b>	<b>80</b>