

STATE POLLUTION CONTROL BOARD-SIKKIM

AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF JANUARY (1stWEEK) 2018.

	LOCATION	AIR QUALITY INDEX	
	NAME OF STATION	02.01.2018	04.01.2018
1	RANGPO, East Sikkim	96 (Satisfactory)	80 (Satisfactory)
2	SINGTAM, East Sikkim	69 (Satisfactory)	62 (Satisfactory)
3	DEORALI, Gangtok, East Sikkim	68 (Satisfactory)	66 (Satisfactory)
4	RAVANGLA, South Sikkim	22 (Good)	23 (Good)
5	NAMCHI, South Sikkim	23 (Good)	24 (Good)
6	PELLING, West Sikkim	28 (Good)	30 (Good)
7	CHUNGTHANG, North Sikkim	31 (Good)	32 (Good)
8	MANGAN, North Sikkim	27 (Good)	27 (Good)

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 January 1st week 2018 (i.e. 02/01/2018 & 04/01/2018) 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 (1st WEEK) 2018

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B		
		PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂	NO ₂
RANGPO	02/01/2018	95.83	6.68	8.04
	04/01/2018	79.99	9.19	7.45
SINGTAM	02/01/2018	68.79	5.00	3.26
	04/01/2018	61.52	7.93	3.92
DEORALI,GANGTOK	02/01/2018	68.21	4.17	6.23
	04/01/2018	66.12	4.18	7.21
PELLING	02/01/2018	28.02	7.64	3.28
	04/01/2018	29.06	9.49	3.93
RAVANGLA	02/01/2018	22.03	4.20	1.79
	04/01/2018	23.43	4.70	1.98
NAMCHI	02/01/2018	23.28	5.90	3.84
	04/01/2018	23.89	5.21	3.72
CHUNGTHANG	02/01/2018	31.11	1.22	1.58
	04/01/2018	31.68	1.70	1.46
MANGAN	02/01/2018	26.82	5.83	2.03
	04/01/2018	27.43	4.17	2.41
National Ambient Air Quality Standards (NAAQS) – 24 hrs		100	80	80