

STATE POLLUTION CONTROL BOARD-SIKKIM

AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF JANUARY (5th WEEK) /
FEBRUARY (1ST WEEK) 2018.

SN	LOCATION	AIR QUALITY INDEX	
	NAME OF STATION	31.01.2018	01.02.2018
1	RANGPO, East Sikkim	90 (Satisfactory)	83 (Satisfactory)
2	SINGTAM, East Sikkim	86 (Satisfactory)	83 (Satisfactory)
3	DEORALI, Gangtok, East Sikkim	56 (Satisfactory)	60 (Satisfactory)
4	RAVANGLA, South Sikkim	36 (Good)	31 (Good)
5	NAMCHI, South Sikkim	23 (Good)	22 (Good)
6	PELLING, West Sikkim	29 (Good)	34 (Good)
7	CHUNGTHANG, North Sikkim	29 (Good)	29 (Good)
8	MANGAN, North Sikkim	28 (Good)	29 (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 (5th week) and February (1st week) 2018 (i.e. 31/01/2018 & 01/02/2018) 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 '**satisfactory**' i.e. relatively in higher side due to movement of vehicles along the national highway NH -10.

STATE POLLUTION CONTROL BOARD, SIKKIM
 AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP
 FOR THE MONTH OF JANUARY (5th week) / FEBRUARY (1st week) 2018

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	30.01.2018	90.4	5.22	9.04
	01.02.2018	83.46	5.55	6.46
SINGTAM	30.01.2018	86.14	7.99	6.93
	01.02.2018	82.95	8.33	7.31
DEORALI	30.01.2018	56.03	4.85	6.38
	01.02.2018	59.74	3.81	7.38
PELLING	30.01.2018	29.3	6.77	3.70
	01.02.2018	34.2	7.20	2.74
RAVANGLA	30.01.2018	35.87	6	3.29
	01.02.2018	30.73	3.6	3.48
NAMCHI	30.01.2018	22.6	6.25	3.78
	01.02.2018	22.35	4.93	3.26
CHUNGTHANG	30.01.2018	29.12	3.12	1.59
	01.02.2018	29.37	2.86	1.03
MANGAN	30.01.2018	28.02	5.83	1.52
	01.02.2018	28.66	4.58	1.14
National Ambient Air Quality Standards (NAAQS) – 24 hrs		100	80	80