

STATE POLLUTION CONTROL BOARD-SIKKIM

AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF

FEBRUARY (1st WEEK) 2019.

S.No.	LOCATION	AIR QUALITY INDEX	
	NAME OF STATION	05.02.2019	07.02.2019
1	RANGPO, East Sikkim	100(satisfactory)	92(satisfactory)
2	SINGTAM, East Sikkim	62(satisfactory)	69(satisfactory)
3	DEORALI, Gangtok, East Sikkim	76(satisfactory)	72(satisfactory)
4	RAVANGLA, South Sikkim	27(Good)	19(Good)
5	NAMCHI, South Sikkim	31(Good)	32(Good)
6	PELLING, West Sikkim	20(Good)	38(Good)
7	CHUNGTHANG, North Sikkim	28(Good)	28(Good)
8	MANGAN, North Sikkim	47 (Good)	37(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 February 1st week 2019 (i.e. 05/02/2019 and 07/02/2019) 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) 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 (1st 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	05/02/2019	99.8	4.16	5.34
	07/02/2019	92.57	4.50	5.27
SINGTAM	05/02/2019	69.02	6.5	4.26
	07/02/2019	61.65	5.8	4.46
DEORALI	05/02/2019	76.58	2.4	5.54
	07/02/2019	72.21	2.8	4.48
PELLING	05/02/2019	20.5	2.92	4.60
	07/02/2019	37.6	2.50	4.29
RAVANGLA	05/02/2019	26.84	4.3	2.85
	07/02/2019	19.25	2.3	2.22
NAMCHI	05/02/2019	30.80	6.6	3.36
	07/02/2019	31.73	4.7	4.27
CHUNGTHANG	05/02/2019	27.74	4.6	1.77
	07/02/2019	27.94	3.9	2.31
MANGAN	05/02/2019	47.13	5.6	3.75
	07/02/2019	36.76	3.1	3.14
National Ambient Air Quality Standards (NAAQS – 24 hrs)		100	80	80