

STATE POLLUTION CONTROL BOARD-SIKKIM

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

S.No.	LOCATION	AIR QUALITY INDEX		
	NAME OF STATION	03.12.2018	05.12.2018	07.12.2018
1	RANGPO, East Sikkim	63(satisfactory)	94(satisfactory)	90(satisfactory)
2	SINGTAM, East Sikkim	63(satisfactory)	62(satisfactory)	71(satisfactory)
3	DEORALI, Gangtok, East Sikkim	62(satisfactory)	45(Good)	54(satisfactory)
4	RAVANGLA, South Sikkim	27(Good)	24(Good)	26(Good)
5	NAMCHI, South Sikkim	31(Good)	30(Good)	32(Good)
6	PELLING, West Sikkim	29(Good)	30(Good)	30(Good)
7	CHUNGTHANG, North Sikkim	35(Good)	35(Good)	35(Good)
8	MANGAN, North Sikkim	41(Good)	47(Good)	51(satisfactory)

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 December 1st week 2018(i.e. 03/12/18 , 05/12/18 and 07/12/2018) 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) and Mangan are higher due to maximum movement of vehicles in the surrounding area (near installation of machine).

STATE POLLUTION CONTROL BOARD, SIKKIM
 AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP
 FOR THE MONTH OF DECEMBER (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	03/12/2018	62.62	5.03	7.94
	05/12/2018	93.53	5.85	10.41
	07/12/2018	90.36	7.95	6.41
SINGTAM	03/12/2018	62.67	7	4.58
	05/12/2018	61.70	6.5	5.01
	07/12/2018	71.01	6.3	4.87
DEORALI,GANGTOK	03/12/2018	61.67	6	7.07
	05/12/2018	44.83	4.17	5.64
	07/12/2018	53.56	4.6	8.11
PELLING	03/12/2018	29.1	5.64	5.72
	05/12/2018	29.9	6.67	3.18
	07/12/2018	30.3	5.63	3.81
RAVANGLA	03/12/2018	26.53	5.1	2.19
	05/12/2018	23.93	3.9	2.9
	07/12/2018	26.17	5.1	2.69
NAMCHI	03/12/2018	30.84	4.9	4.96
	05/12/2018	30.43	7.1	5.35
	07/12/2018	31.59	5.5	5.73
CHUNGTHANG	03/12/2018	34.96	6.9	1.22
	05/12/2018	35.61	5.6	1.15
	07/12/2018	35.35	6.9	1.45
MANGAN	03/12/2018	41.2	4.61	4.08
	05/12/2018	46.6	5.04	3.92
	07/12/2018	51.3	7.09	4.07
National Ambient Air Quality Standards (NAAQS – 24 hrs)				