

STATE POLLUTION CONTROL BOARD-SIKKIM

AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF APRIL (1st week) 2018.

S.No	LOCATION	AIR QUALITY INDEX	
	NAME OF STATION	03.04.2018	05.04.2018
1	RANGPO, East Sikkim	97(Satisfactory)	93(Satisfactory)
2	SINGTAM, East Sikkim	92(Satisfactory)	97(Satisfactory)
3	DEORALI, Gangtok, East Sikkim	59(Satisfactory)	55(Satisfactory)
4	RAVANGLA, South Sikkim	47(Good)	45(Good)
5	NAMCHI, South Sikkim	30(Good)	32(Good)
6	PELLING, West Sikkim	74(Satisfactory)	50 (Good)
7	CHUNGTHANG, North Sikkim	40(Good)	39 (Good)
8	MANGAN, North Sikkim	41(Good)	47(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 April 1st week 2018 (i.e. 03/04/2018 & 05/04/2018) 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 and Pelling on 03.04. 2018 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 APRIL (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	03.04.2018	97.06	11.02	10.49
	05.04.2018	92.5	8.96	8.24
SINGTAM	03.04.2018	91.63	12.29	2.61
	05.04.2018	98.93	12.18	3.37
DEORALI	03.04.2018	59.29	3.81	6.23
	05.04.2018	58.37	3.46	5.38
PELLING	03.04.2018	73.5	6.50	3.41
	05.04.2018	49.9	7.92	3.52
RAVANGLA	03.04.2018	39.96	5.7	3.34
	05.04.2018	42.91	5.5	3.01
NAMCHI	03.04.2018	30.41	5.92	3.68
	05.04.2018	31.53	6.22	4.38
CHUNGTHANG	03.04.2018	39.69	5.4	1.52
	05.04.2018	38.8	5	1.14
MANGAN	03.04.2018	41.47	5.21	10.29
	05.04.2018	46.54	7.29	9.23
National Ambient Air Quality Standards (NAAQS) – 24 hrs		100	80	80