

STATE POLLUTION CONTROL BOARD-SIKKIM

AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF APRIL

(3rd week) 2018.

S.No	LOCATION	AIR QUALITY INDEX	
	NAME OF STATION	17.04.2018	19.04.2018
1	RANGPO, East Sikkim	68(Satisfactory)	52(satisfactory)
2	SINGTAM, East Sikkim	46(Good)	34(Good)
3	DEORALI, Gangtok, East Sikkim	68(Satisfactory)	50(Good)
4	RAVANGLA, South Sikkim	28(Good)	29(Good)
5	NAMCHI, South Sikkim	33(Good)	33(Good)
6	PELLING, West Sikkim	39(Good)	30(Good)
7	CHUNGTHANG, North Sikkim	34(Good)	35 (Good)
8	MANGAN, North Sikkim	20(Good)	26(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 3rd week 2018 (i.e. 17/04/2018 & 19/04/2018) and as per the AQI, the quality of air at almost all the locations were good, except the pollutant level of Rangpo is higher 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 (3rd WEEK) 2018

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B		
		PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂	NO ₂
RANGPO	17/04/2018	68.05	7.85	13.84
	19/04/2018	51.71	13.23	11.34
SINGTAM	17/04/2018	46.36	6.5	7.40
	19/04/2018	33.52	9.8	4.64
DEORALI	17/04/2018	68.06	4.46	9.16
	19/04/2018	49.62	2.38	5.85
PELLING	17/04/2018	38.6	8.68	4.59
	19/04/2018	29.9	6.25	2.74
RAVANGLA	17/04/2018	28.46	4.4	1.80
	19/04/2018	29.04	6.3	2.21
NAMCHI	17/04/2018	32.52	4.66	3.83
	19/04/2018	33.3	7.15	4.79
CHUNGTHANG	17/04/2018	33.74	5.2	1.15
	19/04/2018	34.86	4.5	1.83
MANGAN	17/04/2018	20.33	1.19	5.74
	19/04/2018	26.21	2.08	5.93
National Ambient Air Quality Standards (NAAQS) – 24 hrs		100	80	80