

STATE POLLUTION CONTROL BOARD SIKKIM

AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF DECEMBER (4TH WEEK) 2017.

	LOCATION	AIR QUALITY INDEX	
	NAME OF STATION	26.12.2017	29.12.2017
1	RANGPO, East Sikkim	86(Satisfactory)	83(Satisfactory)
2	SINGTAM, East Sikkim	53(Satisfactory)	71(Satisfactory)
3	GANGTOK, East Sikkim	59(Satisfactory)	56(Satisfactory)
4	RAVANGLA, South Sikkim	22 (Good)	23 (Good)
5	NAMCHI, South Sikkim	24 (Good)	22 (Good)
6	PELLING, West Sikkim	30 (Good)	33(Good)
7	CHUNGTHANG, North Sikkim	25(Good)	21 (Good)
8	MANGAN, North Sikkim	29 (Good)	27(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 December 4TH week 2017 (i.e. 26/12/2017 & 29/12/2017) 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 DECEMBER (4th WEEK) 2017

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B		
		PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂	NO ₂
RANGPO	26.12.2017	85.73	6.76	7.63
	29.12.2017	82.75	5.50	3.81
SINGTAM	26.12.2017	52.66	5.02	3.33
	29.12.2017	70.93	7.10	3.53
DEORALI, GANGTOK	26.12.2017	59.01	3.74	4.60
	29.12.2017	55.71	4.16	5.69
PELLING	26.12.2017	29.90	7.09	2.80
	29.12.2017	32.60	9.18	4.32
RAVANGLA	26.12.2017	22.24	3.30	2.54
	29.12.2017	22.88	4.80	3.17
NAMCHI	26.12.2017	23.98	4.05	2.99
	29.12.2017	21.98	6.54	3.77
CHUNGTHANG	26.12.2017	25.36	3.64	0.57
	29.12.2017	20.68	5.20	0.98
MANGAN	26.12.2017	29.00	3.33	1.52
	29.12.2017	27.00	3.33	2.79
National Ambient Air Quality Standards (NAAQS) – 24 hrs		100	80	80