

**STATE POLLUTION CONTROL BOARD-SIKKIM**

**AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF**

**APRIL (1<sup>st</sup> – 2<sup>nd</sup> WEEK) 2019**

S N	LOCATION	AIR QUALITY INDEX				
	NAME OF STATION	2.04.2019	4.04.2019	6.04.2019	9.04.2019	13.04.2019
1	RANGPO, East Sikkim	69 (Satisfactory)	89 (Satisfactory)	-	46 (Good)	64((Satisfactory)
2	SINGTAM, East Sikkim	52 (Satisfactory)	59 (Satisfactory)	50(Good)	64 (Satisfactory)	58(Satisfactory)
3	DEORALI, East Sikkim	56 (Satisfactory)	63 (Satisfactory)	-	48(Good)	54(Satisfactory)
4	RAVANGLA, South Sikkim	28 (Good)	22 (Good)	26(Good)	20 (Good)	19(Good)
5	NAMCHI, South Sikkim	34 (Good)	40 (Good)	-	39 (Good)	40(Good)
6	PELLING, West Sikkim	25 (Good)	36 (Good)	27(Good)	16(Good)	10(Good)
7	CHUNGTHANG, North Sikkim	31(Good)	40(Good)	-	47(Good)	38(Good)
8	MANGAN, North Sikkim	28(Good)	29(Good)	32(Good)	41(Good)	37(Good)

<b>Good (0–50)</b>	Minimal Impact	<b>Poor (201–300)</b>	Breathing discomfort to people on prolonged exposure
<b>Satisfactory (51–100)</b>	Minor breathing discomfort to sensitive people	<b>Very Poor (301–400)</b>	Respiratory illness to the people on prolonged exposure
<b>Moderate (101–200)</b>	Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Severe (&gt;401)</b>	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 slightly fluctuated at few of the stations during the month of April 1<sup>st</sup> – 2<sup>nd</sup> week 2019 and as per the AQI, the quality of air at almost all the locations were good, except for Rangpo, Singtam and Deorali were a little high. Reason may be, rise in temperature or increased number of vehicles.

STATE POLLUTION CONTROL BOARD, SIKKIM  
 AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP  
 FOR THE MONTH OF APRIL (1<sup>st</sup> – 2<sup>nd</sup> WEEK) 2019

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B		
		PM10 ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
RANGPO	02/04/2019	69	6	4.3
	04/04/2019	89	11	7.24
	09/04/2019	45.80	10.09	4.97
	13/04/2019	63.74	10.23	6.35
SINGTAM	02/04/2019	52	6	3.14
	04/04/2019	59	5	3.8
	06/04/2019	50	6	3.09
	09/04/2019	64.31	7.6	4.36
	13/04/2019	57.68	5.9	4.42
DEORALI	02/04/2019	55.84	5.55	6.9
	04/04/2019	63.22	5.19	7.6
	09/04/2019	47.54	6.86	7.31
	13/04/2019	53.58	6.94	7.25
PELLING	02/04/2019	25.3	6.25	3.32
	04/04/2019	36.3	2.5	4.79
	06/04/2019	26.9	2.71	4.69
	09/04/2019	16.2	4.58	10.55
	13/04/2019	10.2	2.50	2.35
RAVANGLA	02/04/2019	27.57	4.9	2.91
	04/04/2019	22.31	3.5	2.47
	06/04/2019	26.16	3.0	1.38
	09/04/2019	19.95	2.72	2.69
	13/04/2019	18.57	4.17	3.13
NAMCHI	02/04/2019	33.89	7.3	4.11
	04/04/2019	40.02	6	4.45
	09/04/2019	39.43	6.5	4.45
	13/04/2019	40.42	6.8	5.04
CHUNGTHANG	02/04/2019	30.71	5.5	2.22
	04/04/2019	40.23	5.4	2.15
	09/04/2019	47.13	4.5	0.93
	13/04/2019	47.89	4.6	1.18
MANGAN	02/04/2019	28	4.16	3.14
	04/04/2019	29	5	2.8
	06/04/2019	32	3.9	3.37
	09/04/2019	41.22	4.9	4.8
	13/04/2019	37.41	4.8	4.51
<b>National Ambient Air Quality Standards (NAAQS – 24 hrs)</b>		<b>100</b>	<b>80</b>	<b>80</b>