

**STATE POLLUTION CONTROL BOARD-SIKKIM**  
**AMBIENT AIR QUALITY MONITORING REPORT FOR THE**  
**MONTH OF FEBRUARY 2023**

SN	LOCATION	AIR QUALITY INDEX							
	NAME OF STATION	02.02.2023	07.02.2023	09.02.2023	14.02.2023	16.02.2023	21.02.2023	23.02.2023	28.02.2023
1	RANGPO, East Sikkim	81 (Satisfactory)	72 (Satisfactory)	74 (Satisfactory)	78 (Satisfactory)	75 (Satisfactory)	65 (Satisfactory)	59 (Satisfactory)	72 (Satisfactory)
2	SINGTAM, East Sikkim	66 (Satisfactory)	68 (Satisfactory)	67 (Satisfactory)	65 (Satisfactory)	66 (Satisfactory)	70 (Satisfactory)	67 (Satisfactory)	65 (Satisfactory)
3	DEORALI, East Sikkim	71 (Satisfactory)	43 (Good)	46 (Good)	64 (Satisfactory)	54 (Satisfactory)	43 (Good)	30 (Good)	46 (Good)
4	RAVANGLA, South Sikkim	27 (Good)	27 (Good)	26 (Good)	25 (Good)	21 (Good)	24 (Good)	23 (Good)	27 (Good)
5	NAMCHI, South Sikkim	38 (Good)	32 (Good)	39 (Good)	36 (Good)	31 (Good)	39 (Good)	37 (Good)	39 (Good)
6	PELLING, West Sikkim	36 (Good)	40 (Good)	41 (Good)	43 (Good)	40 (Good)	46 (Good)	38 (Good)	38 (Good)
7	MANGAN, North Sikkim	31 (Good)	24 (Good)	39 (Good)	39 (Good)	38 (Good)	40 (Good)	44 (Good)	44 (Good)
8	CHUNGTHANG, North Sikkim	27 (Good)	28 (Good)	26 (Good)	28 (Good)	27 (Good)	30 (Good)	32 (Good)	30 (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

**STATE POLLUTION CONTROL BOARD, SIKKIM AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP FOR THE MONTH OF FEBRUARY 2023**

Station	Sampling Date	STANDARD OF PARAMETERS BY C.P.C.B				
		SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	AQI	
RANGPO	02.02.2023	4.12	9.04	81.14	81	
	07.02.2023	4.1	9.34	72.15	72	
	09.02.2023	4.88	7.25	74.12	74	
	14.02.2023	5.17	9.31	77.88	78	
	16.02.2023	3.36	8.36	75.33	75	
	21.02.2023	3.47	11.22	65.27	65	
	23.02.2023	2.29	9.85	58.94	59	
	28.02.2023	2.71	11.4	72.44	72	
Singtam	02.02.2023	7.03	10.01	65.76	66	
	07.02.2023	6.83	9.87	68.09	68	
	09.02.2023	5.33	10.54	66.89	67	
	14.02.2023	4.12	14.8	65.22	65	
	16.02.2023	7.51	11.7	66.17	66	
	21.02.2023	3.31	10.45	69.69	70	
	23.02.2023	3.56	7.99	67.02	67	
	28.02.2023	4.39	9.96	64.68	65	
Station	Sampling Date	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	AQI
Gangtok	02.02.2023	5.7	9.75	71.08	28.94	71
	07.02.2023	2.54	8.7	42.88	17.49	43
	09.02.2023	5.25	9.97	45.69	19.99	46
	14.02.2023	4.87	9.03	63.56	17.03	64
	16.02.2023	4.6	8.99	53.62	20.02	54
	21.02.2023	4.7	9.87	43.46	22.33	43
	23.02.2023	2.5	8.99	29.99	13.71	30
	28.02.2023	2.9	10.22	46.37	26.77	46
Ravangla	02.02.2023	3.83	4.12	27.47	27	
	07.02.2023	6.43	3.97	27.4	27	
	09.02.2023	6.12	4.65	26.21	26	
	14.02.2023	5.1	2.62	25.25	25	
	16.02.2023	2.93	3.27	20.54	21	
	21.02.2023	4.6	2.42	23.67	24	
	23.02.2023	4.8	3.66	22.81	23	
	28.02.2023	2.7	3.05	26.92	27	
Namchi	02.02.2023	3.42	5.29	37.77	38	
	07.02.2023	3.63	5.78	32.09	32	
	09.02.2023	4.27	5.82	38.57	39	

Station	Sampling Date	STANDARD OF PARAMETERS BY C.P.C.B			
		SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	AQI
	14.02.2023	4.04	4.11	35.55	36
	16.02.2023	4.06	4.96	31.13	31
	21.02.2023	4.5	5.87	39.1	39
	23.02.2023	5.3	5.78	36.96	37
	28.02.2023	2.8	5.39	39.1	39
Pelling	02.02.2023	5.03	2.35	35.93	36
	07.02.2023	5.39	2.45	39.83	40
	09.02.2023	6.37	3.38	40.83	41
	14.02.2023	4.29	5.64	43.3	43
	16.02.2023	3.31	2.92	40.07	40
	21.02.2023	5.15	4.98	46.33	46
	23.02.2023	4.41	4.23	37.7	38
	28.02.2023	4.41	2.91	38.43	38
Mangan	02.02.2023	4.22	3.97	30.62	31
	07.02.2023	5.12	4.6	24.26	24
	09.02.2023	4.73	3.78	38.61	39
	14.02.2023	4.73	4.28	39.29	39
	16.02.2023	5.22	4.03	38.15	38
	21.02.2023	3.2	3.73	39.98	40
	23.02.2023	3.5	4.39	43.97	44
	28.02.2023	4.5	3.39	43.42	44
Chungthang	02.02.2023	1.85	1.25	26.55	27
	07.02.2023	2.09	1.21	27.76	28
	09.02.2023	2.32	1.21	26.18	26
	14.02.2023	2.32	1.21	27.68	28
	16.02.2023	1.85	1.21	26.61	27
	21.02.2023	3.5	2.04	30.5	30
	23.02.2023	3.9	1.99	32.11	32
	28.02.2023	3.9	2.2	30.36	30
<b>National Ambient Air Quality Standard (NAAQS-24hrs)</b>		<b>80</b>	<b>80</b>	<b>100</b>	

**National Ambient Air Quality Standard (NAAQS-24hrs)**