

**STATE POLLUTION CONTROL BOARD-SIKKIM**  
**AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF SEPTEMBER 2024**

SN	LOCATION	AIR QUALITY INDEX							
	NAME OF STATION	02.09.2024	05.09.2024	10.09.2024	12.09.2024	17.09.2024	19.09.2024	24.09.2024	26.09..2024
1	RANGPO, East Sikkim	57 (Satisfactory)	52 (Satisfactory)	57 (Satisfactory)	55 (Satisfactory)	51 (Good)	55 (Satisfactory)	52 (Satisfactory)	48 (Good)
2	SINGTAM, East Sikkim	51 (Satisfactory)	50 (Good)	53 (Satisfactory)	50 (Good)	50 (Good)	49 (Good)	44 (Good)	41 (Good)
3	DEORALI, East Sikkim	29 (Good)	41 (Good)	42 (Good)	34 (Good)	24 (Good)	29 (Good)	23 (Good)	16 (Good)
4	RAVANGLA, South Sikkim	29 (Good)	30 (Good)	33 (Good)	30 (Good)	30 (Good)	31 (Good)	31 (Good)	31 (Good)
5	NAMCHL, South Sikkim	30 (Good)	32 (Good)	32 (Good)	33 (Good)	31 (Good)	33 (Good)	25 (Good)	26 (Good)
6	PELLING, West Sikkim	12 (Good)	17 (Good)	15 (Good)	14 (Good)	20 (Good)	20 (Good)	16 (Good)	13 (Good)
7	MANGAN, North Sikkim	32 (Good)	28 (Good)	23 (Good)	20 (Good)	22 (Good)	25 (Good)	19 (Good)	19 (Good)
8	CHUNGTHANG, North Sikkim	27 (Good)	28 (Good)	27 (Good)	26 (Good)	26 (Good)	22 (Good)	22 (Good)	22 (Good)

<b>Good(0-50)</b>	Minimal Impact  Minor breathing discomfort to sensitive people  Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Poor (201-300)</b>	Breathing discomfort to people on prolonged exposure  Respiratory illness to the people on prolonged exposure  Respiratory effects evenon healthy people
<b>Satisfactory(51-100)</b>		<b>Very Poor(301-400)</b>	
<b>Moderate(101-200)</b>		<b>Severe(&gt;401)</b>	

**STATE POLLUTION CONTROL BOARD, SIKKIM AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP FOR THE MONTH OF SEPTEMBER 2024**

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> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	AQI
RANGPO	02.09.2024	4.09	15.47	56.55	15.09	57
	05.09.2024	5.59	13.63	51.65	20.33	52
	10.09.2024	5.41	18.7	57.06	19.91	57
	12.09.2024	6.54	16.63	55.35	20.54	55
	17.09.2024	6.23	13.88	50.58	22.34	51
	19.09.2024	4.64	16.62	55.32	17.83	55
	24.09.2024	4.64	11.52	51.92	17.51	52
	26.09.2024	2.82	9.04	48.25	12.12	48
SINGTAM	02.09.2024	4.33	12.54	51.15	17.02	51
	05.09.2024	4.5	13.31	50.07	16.79	50
	10.09.2024	3.91	13.81	53.2	18.48	53
	12.09.2024	4.14	12.86	50.04	15.48	50
	17.09.2024	4.25	13.07	49.73	17.24	50
	19.09.2024	4.2	12.46	48.79	16.83	49
	24.09.2024	4.06	10.72	44.36	14.34	44
	26.09.2024	3.39	9.66	41.41	12	41
GANGTOK	02.09.2024	5.71	7.48	28.88	12.72	29
	05.09.2024	4.66	6.82	40.96	19.99	41
	10.09.2024	3.47	11.34	41.59	20.83	42
	12.09.2024	4.15	9.88	33.9	14.14	34
	17.09.2024	5.39	6.46	23.76	11.69	24
	19.09.2024	3.9	7.21	29.13	14.82	29
	24.09.2024	5.85	8.69	23.04	10.93	23
	26.09.2024	5.32	8.43	16.43	7.75	16
RAVANGLA	02.09.2024	6.79	6.19	29.43	13.36	29
	05.09.2024	4.95	6.67	30.06	14.28	30
	10.09.2024	5.43	6.21	32.81	14.58	33
	12.09.2024	6.02	6.02	30.11	13.96	30
	17.09.2024	5.15	6.5	29.85	12.91	30
	19.09.2024	5.64	5.12	30.88	13.37	31
	24.09.2024	6.63	6.05	30.88	13.75	31
	26.09.2024	5.59	5.59	31.27	14.18	31
NAMCHI	02.09.2024	3.31	7.32	30.03	13.71	30
	05.09.2024	4.15	6.07	31.56	16.25	32
	10.09.2024	4.7	7.31	32.12	16.1	32
	12.09.2024	4.8	6.89	32.71	16.65	33
	17.09.2024	4.16	6.85	31.3	14.5	31

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> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	AQI
	19.09.2024	4.6	7.22	33.4	15.72	33
	24.09.2024	4.92	6.75	24.84	11.61	25
	26.09.2024	4.8	7.06	25.62	12.86	26
PELLING	02.09.2024	2.58	5.71	11.97	5.84	12
	05.09.2024	3.69	5.1	16.7	6.36	17
	10.09.2024	2.76	4.54	15.03	3.78	15
	12.09.2024	3.23	4.79	13.67	5	14
	17.09.2024	3.69	6.19	19.5	8.01	20
	19.09.2024	3.33	5.41	19.97	2.8	20
	24.09.2024	4.04	7.11	16.07	5.41	16
	26.09.2024	3.79	5.71	12.67	6.5	13
MANGAN	02.09.2024	3.28	5.78	32.09	14.52	32
	05.09.2024	3.04	5.38	27.69	8.32	28
	10.09.2024	2.74	5.64	22.89	8.82	23
	12.09.2024	2.76	5.54	19.98	12.01	20
	17.09.2024	3.03	5.51	22.27	8.75	22
	19.09.2024	3.28	5.98	24.88	8.32	25
	24.09.2024	2.5	5.22	19.01	6.17	19
	26.09.2024	2.5	5.07	19.41	8.54	19
CHUNGTHANG	02.09.2024	4	5.51	27.44	4.72	27
	05.09.2024	3.88	5.89	28.13	4.74	28
	10.09.2024	3.96	6.05	27.06	5.57	27
	12.09.2024	5.14	6.29	26.42	5.23	26
	17.09.2024	4.74	5.68	26.23	5.44	26
	19.09.2024	4.73	5.5	21.61	5.62	22
	24.09.2024	5.15	5.27	22.27	4.65	22
	26.09.2024	4.02	5.56	22.22	4.86	22
<b>National Ambient Air Quality Standard (NAAQS-24hrs)</b>		<b>80</b>	<b>80</b>	<b>100</b>	<b>60</b>	

National Ambient Air Quality Standard (NAAQS-24hrs)