

STATE POLLUTION CONTROL BOARD-SIKKIM
AMBIENT AIR QUALITY MONITORING REPORT FOR THE
MONTH OF DECEMBER 2022

SN	LOCATION	AIR QUALITY INDEX							
	NAME OF STATION	1.12.2022	3.12.2022	5.12.2022	7.12.2022	9.12.2022	12.12.2022	14.12.2022	16.12.2022
1	RANGPO, East Sikkim	59 (Satisfactory)	61 (Satisfactory)	59 (Satisfactory)	53 (Satisfactory)	64 (Satisfactory)	60 (Satisfactory)	58 (Satisfactory)	58 (Satisfactory)
2	SINGTAM, East Sikkim	61 (Satisfactory)	65 (Satisfactory)	64 (Satisfactory)	59 (Satisfactory)	61 (Satisfactory)	65 (Satisfactory)	66 (Satisfactory)	61 (Satisfactory)
3	DEORALI, East Sikkim	51 (Satisfactory)	51 (Satisfactory)	50 (Good)	44 (Good)	59 (Satisfactory)	63 (Satisfactory)	66 (Satisfactory)	68 (Satisfactory)
4	RAVANGLA, South Sikkim	23 (Good)	27 (Good)	27 (Good)	21 (Good)	26 (Good)	21 (Good)	23 (Good)	25 (Good)
5	NAMCHI, South Sikkim	29 (Good)	31 (Good)	33 (Good)	35 (Good)	34 (Good)	35 (Good)	33 (Good)	35 (Good)
6	PELLING, West Sikkim	38 (Good)	34 (Good)	32 (Good)	30 (Good)	27 (Good)	27 (Good)	31 (Good)	26 (Good)
7	MANGAN, North Sikkim	18 (Good)	22 (Good)	25 (Good)	24 (Good)	31 (Good)	27 (Good)	29 (Good)	30 (Good)
8	CHUNGTHANG, North Sikkim	-	-	-	-	38 (Good)	39 (Good)	41 (Good)	39 (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

STATE POLLUTION CONTROL BOARD, SIKKIM AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP FOR THE MONTH OF DECEMBER 2022

Station	Sampling Date	STANDARD OF PARAMETERS BY C.P.C.B			
		SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	AQI
RANGPO	01-12-2022	6.25	7.24	58.72	59
	05-12-2022	7.24	6.45	61.14	61
	05-12-2022	5.92	9.32	59	59
	07-12-2022	6.58	8.37	53.3	53
	09-12-2022	6.97	9.23	64.21	64
	12-12-2022	5.87	7.46	60.14	60
	14-12-2022	5.35	7.8	58.35	58
	16-12-2022	4.18	7.88	58.36	58
SINGTAM	01-12-2022	6.17	10.65	60.52	61
	03-12-2022	5.92	12.13	64.59	65
	05-12-2022	6.14	11.15	64.23	64
	07-12-2022	6.86	10.05	58.63	59
	09-12-2022	7.1	10.23	60.86	61
	12-12-2022	6.77	11.21	64.53	65
	14-12-2022	5.48	10.49	65.89	66
	16-12-2022	6.51	12.09	60.93	61
Gangtok	01-12-2022	4.5	8.5	50.89	51
	03-12-2022	6.6	9.9	51.42	51
	05-12-2022	5.7	11.77	49.5	50
	07-12-2022	5.2	9.24	44.1	44
	09-12-2022	5.9	9.47	58.54	59
	12-12-2022	6.1	10.44	62.71	63
	14-12-2022	7.7	12.96	66.05	66
	16-12-2022	5.5	8.98	68.84	68
Ravangla	01-12-2022	2.7	3.28	22.97	23
	03-12-2022	5.2	2.67	26.71	27
	05-12-2022	4	3.95	26.8	27
	07-12-2022	3.3	3.28	20.93	21
	09-12-2022	4.9	3.86	26.24	26
	12-12-2022	6.7	5.34	21.23	21
	14-12-2022	4.8	3.32	22.67	23
	16-12-2022	4.7	5.54	25.31	25
Namchi	01-12-2022	4.3	5.37	29.12	29
	03-12-2022	4.6	6.67	30.82	31
	05-12-2022	5.8	6.71	33.2	33
	07-12-2022	4.2	6.7	35.02	35
	09-12-2022	4.9	6.25	33.96	34

Station	Sampling Date	STANDARD OF PARAMETERS BY C.P.C.B			
		SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	AQI
	12-12-2022	4.3	7.16	34.98	35
	14-12-2022	3.3	5.06	33	33
	16-12-2022	4.8	5.9	35.43	35
Pelling	01-12-2022	5.13	1.96	38.4	38
	03-12-2022	4.33	1.99	34	34
	05-12-2022	4.97	1.81	31.7	32
	07-12-2022	6.09	2.77	29.9	30
	09-12-2022	6.25	1.78	26.9	27
	12-12-2022	5.24	1.67	26.8	27
	14-12-2022	5.29	1.71	31.7	31
	16-12-2022	5.29	2.13	26.3	26
Mangan	01-12-2022	4.07	5.47	17.68	18
	03-12-2022	3.84	5.4	22.2	22
	05-12-2022	3.4	5.59	25.34	25
	07-12-2022	2.2	5.54	24.27	24
	09-12-2022	2.96	5.06	31.02	31
	12-12-2022	3.2	4.47	27.76	27
	14-12-2022	2.5	4.76	28.66	29
	16-12-2022	3.4	5.3	29.75	30
Chungthang	01-12-2022			22.84	
	03-12-2022			23.97	
	05-12-2022			23.09	
	07-12-2022			37.37	
	09-12-2022	1.9	1.25	38.44	38
	12-12-2022	1.9	1.3	39.25	39
	14-12-2022	2.1	1.2	40.94	41
	16-12-2022	2.3	1.2	39.31	39
National Ambient Air Quality Standard (NAAQS-24hrs)		100	80	80	

National Ambient Air Quality Standard (NAAQS-24hrs)