

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

SN	LOCATION	AIR QUALITY INDEX							
	NAME OF STATION	05.09.2023	07.09.2023	12.09.2023	14.09.2023	19.09.2023	21.09.2023	26.09.2023	28.09.2023
1	RANGPO, East Sikkim	57 (Satisfactory)	59 (Satisfactory)	63 (Satisfactory)	57 (Satisfactory)	58 (Satisfactory)	51 (Satisfactory)	62 (Satisfactory)	57 (Satisfactory)
2	SINGTAM, East Sikkim	56 (Satisfactory)	54 (Satisfactory)	58 (Satisfactory)	60 (Satisfactory)	59 (Satisfactory)	49 (Good)	63 (Satisfactory)	57 (Satisfactory)
3	DEORALI, East Sikkim	42 (Good)	22 (Good)	47 (Good)	36 (Good)	43 (Good)	29 (Good)	30 (Good)	55 (Satisfactory)
4	RAVANGLA, South Sikkim	23 (Good)	26 (Good)	23 (Good)	22 (Good)	22 (Good)	23 (Good)	23 (Good)	20 (Good)
5	NAMCHI, South Sikkim	34 (Good)	36 (Good)	34 (Good)	33 (Good)	34 (Good)	34 (Good)	34 (Good)	34 (Good)
6	PELLING, West Sikkim	64 (Good)	34 (Good)	17 (Good)	26 (Good)	24 (Good)	27 (Good)	19 (Good)	18 (Good)
7	MANGAN, North Sikkim	45 (Good)	45 (Good)	46 (Good)	46 (Good)	42 (Good)	34 (Good)	36 (Good)	46 (Good)
8	CHUNGTHANG, North Sikkim	-	28 (Good)	29 (Good)	27 (Good)	23 (Good)	27 (Good)	25 (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

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

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)	PM _{2.5} (µg/m ³)	AQI
RANGPO	05.09.2023	4.23	13.94	57.37		57
	07.09.2023	3.44	13.96	59.26		59
	12.09.2023	6.14	12.2	62.87		63
	14.09.2023	4.97	13.65	57.35		57
	19.09.2023	4.85	16.77	57.55		58
	21.09.2023	5.67	19.13	50.62		51
	26.09.2023	8.45	13.47	62.24		62
	28.09.2023	8.22	19.79	56.81		57
SINGTAM	05.09.2023	6.56	12.33	56.01		56
	07.09.2023	7.04	11.36	53.9		54
	12.09.2023	6.28	9.83	58.47		58
	14.09.2023	7.39	11.59	60.31		60
	19.09.2023	6.86	10.67	59.22		59
	21.09.2023	4.97	8.59	48.9		49
	26.09.2023	4.84	11.28	63.02		63
	28.09.2023	4.08	10.58	57.43		57
GANGTOK	05.09.2023	3.04	7.72	41.97	17.84	42
	07.09.2023	4.94	11.81	21.92	11.55	22
	12.09.2023	5.03	8.06	46.66	21.6	47
	14.09.2023	4.01	8.6	36.12	13.43	36
	19.09.2023	6.2	7.22	42.98	20.62	43
	21.09.2023	5.8	9.21	28.58	12.74	29
	26.09.2023	2.85	3.76	30.36	16.14	30
	28.09.2023	5.49	9.71	55.21	24.56	55
RAVANGLA	05.09.2023	3.4	4.48	23.41		23
	07.09.2023	3.5	5.32	25.87		26
	12.09.2023	5.6	3.56	23.08		23
	14.09.2023	4	3.42	21.94		22
	19.09.2023	3.6	3.85	21.5		22
	21.09.2023	5.1	4.98	22.61		23
	26.09.2023	3.6	3.59	23.03		23
	28.09.2023	2.7	3.49	19.74		20
PELLING	05.09.2023	6.48	2.85	64.4		64
	07.09.2023	8.1	3.01	34.4		34
	12.09.2023	4.86	3.05	17.5		17
	14.09.2023	6.7	2.23	26.2		26
	19.09.2023	5.32	3.24	24		24
	21.09.2023	7.87	4.3	26.5		27
	26.09.2023	5.32	4.22	19.2		19
	28.09.2023	7.87	2.7	17.7		18

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)	PM _{2.5} (µg/m ³)	AQI
NAMCHI	05.09.2023	4.4	5.2	34.48		34
	07.09.2023	4.7	6.6	36.43		36
	12.09.2023	4.9	6.5	33.95		34
	14.09.2023	4.2	6	32.89		33
	19.09.2023	4.7	5.92	34.05		34
	21.09.2023	4.4	6.05	34.3		34
	26.09.2023	5	6.47	34.28		34
	28.09.2023	6	6.96	33.69		34
CHUNGTHANG	05.09.2023					
	07.09.2023	2.8	3.13	28.2		28
	12.09.2023	2.6	4.41	28.74		29
	14.09.2023	2.6	3.42	28.53		29
	19.09.2023	3.1	4.37	26.66		27
	21.09.2023	2.4	2.85	22.86		23
	26.09.2023	2.6	3.34	26.74		27
	28.09.2023	2.9	3.26	24.77		25
MANGAN	05.09.2023	3.5	4.48	44.51		45
	07.09.2023	3.2	4.17	45.45		45
	12.09.2023	3.6	4.45	45.99		46
	14.09.2023	3.8	5.01	45.95		46
	19.09.2023	3.2	4.02	42.37		42
	21.09.2023	2.6	4.19	33.56		34
	26.09.2023	2.6	4.35	35.64		36
	28.09.2023	2.4	5.02	45.99		46
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)