

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

SN	LOCATION	AIR QUALITY INDEX							
	NAME OF STATION	02.03.2023	06.03.2023	09.03.2023	14.03.2023	16.03.2023	21.03.2023	23.03.2023	28.03.2023
1	RANGPO, East Sikkim	60 (Satisfactory)	61 (Satisfactory)	63 (Satisfactory)	67 (Satisfactory)	53 (Satisfactory)	50 (Good)	52 (Satisfactory)	56 (Satisfactory)
2	SINGTAM, East Sikkim	62 (Satisfactory)	66 (Satisfactory)	67 (Satisfactory)	69 (Satisfactory)	66 (Satisfactory)	64 (Satisfactory)	64 (Satisfactory)	66 (Satisfactory)
3	DEORALI, East Sikkim	54 (Satisfactory)	60 (Satisfactory)	64 (Satisfactory)	69 (Satisfactory)	66 (Satisfactory)	64 (Satisfactory)	64 (Satisfactory)	66 (Satisfactory)
4	RAVANGLA, South Sikkim	39 (Good)	28 (Good)	23 (Good)	23 (Good)	20 (Good)	24 (Good)	24 (Good)	22 (Good)
5	NAMCHI, South Sikkim	33 (Good)	32 (Good)	35 (Good)	35 (Good)	33 (Good)	34 (Good)	36 (Good)	33 (Good)
6	PELLING, West Sikkim	41 (Good)	42 (Good)	41 (Good)	36 (Good)	32 (Good)	20 (Good)	26 (Good)	37 (Good)
7	MANGAN, North Sikkim	47 (Good)	43 (Good)	46 (Good)	43 (Good)	43 (Good)	44 (Good)	37 (Good)	39 (Good)
8	CHUNGTHANG, North Sikkim	31 (Good)	35 (Good)	34 (Good)	29 (Good)	28 (Good)	30 (Good)	29 (Good)	28 (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 MARCH 2023

NAME OF 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	02/03/2023	2.63	10.34	59.61		60
	06/03/2023	2.2	7.98	61.37		61
	09/03/2023	2.23	5.66	63.04		63
	14/03/2023	3.46	9.14	66.78		67
	16/03/2023	2.07	7.44	53.3		53
	21/03/2023	2.4	7.98	49.95		50
	23/03/2023	2.4	6.35	52.16		52
	28/03/2023	2.02	6.89	55.52		56
SINGTAM	02/03/2023	4.12	10.02	62.45		62
	06/03/2023	3.64	11.2	65.55		66
	09/03/2023	4.74	10.74	67.31		67
	14/03/2023	4.67	9.47	68.87		69
	16/03/2023	5.52	10.73	65.95		66
	21/03/2023	5.08	10.88	63.92		64
	23/03/2023	5.5	9.34	64.28		64
	28/03/2023	6.54	11.05	66.44		66
GANGTOK	02/03/2023	2.94	10.22	53.99	14.67	54
	06/03/2023	3.91	10.04	59.9	29.51	60
	09/03/2023	2.48	11.18	63.55	28.97	64
	14/03/2023	5.58	9.44	61.11	22.85	69
	16/03/2023	4.44	12.56	58.43	22.1	66
	21/03/2023	2.26	7.91	29.55	13.91	64
	23/03/2023	2.07	6.36	26.08	13.77	64
	28/03/2023	3.97	12.44	47.11	19.37	66
RAVANGLA	02/03/2023	3.63	3.47	39.19		39
	06/03/2023	3.55	3.37	27.8		28
	09/03/2023	5.06	4.13	23.01		23
	14/03/2023	3.49	3.25	23.49		23
	16/03/2023	3.7	4.77	20.08		20
	21/03/2023	3.57	2.75	23.55		24
	23/03/2023	5.04	4.4	24.12		24
	28/03/2023	3.8	3.46	22.37		22
NAMCHI	02/03/2023	3.92	5.95	33.12		33
	06/03/2023	3.41	5.38	32.14		32
	09/03/2023	3.91	4.77	34.68		35
	14/03/2023	4.71	5.61	34.57		35
	16/03/2023	4.71	6.51	32.96		33
	21/03/2023	4.47	5.68	34.01		34
	23/03/2023	4.46	6.22	35.71		36

NAME OF 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
	28/03/2023	4.48	6.03	33.03		33
PELLING	02/03/2023	4.53	2.73	41.27		41
	06/03/2023	5.15	3.95	42.23		42
	09/03/2023	6.86	3.48	40.9		41
	14/03/2023	4.05	3.2	35.93		36
	16/03/2023	5.02	2.73	32.27		32
	21/03/2023	4.41	4.33	20.4		20
	23/03/2023	5.15	4.42	25.7		26
	28/03/2023	4.17	4.14	36.67		37
MANGAN	02/03/2023	3.81	4.37	47.23		47
	06/03/2023	4.11	4.17	42.99		43
	09/03/2023	3.5	3.97	46.48		46
	14/03/2023	4.77	3.72	43.48		43
	16/03/2023	4.56	3.11	42.59		43
	21/03/2023	4.4	3.18	43.64		44
	23/03/2023	4.12	3.81	36.63		37
	28/03/2023	3.82	3.03	39.38		39
CHUNGTHANG	02/03/2023	3.5	1.85	31.37		31
	06/03/2023	3	2.13	35.05		35
	09/03/2023	3.5	2.08	34.25		34
	14/03/2023	2.08	1.11	28.98		29
	16/03/2023	2.32	1.21	27.66		28
	21/03/2023	2.08	1.21	29.73		30
	23/03/2023	2.08	1.21	28.91		29
	28/03/2023	1.85	1.25	27.61		28
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100		

National Ambient Air Quality Standard (NAAQS-24hrs)