

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

SN	LOCATION	AIR QUALITY INDEX								
		02.05.2023	04.05.2023	09.05.2023	11.05.2023	17.05.2023	19.05.2023	23.05.2023	25.05.2023	30.05.2023
1	RANGPO, East Sikkim	53 (Satisfactory)	55 (Satisfactory)	66 (Satisfactory)	58 (Satisfactory)	64 (Satisfactory)	61 (Satisfactory)	59 (Satisfactory)	62 (Satisfactory)	67 (Satisfactory)
2	SINGTAM, East Sikkim	66 (Satisfactory)	68 (Satisfactory)	63 (Satisfactory)	69 (Satisfactory)	66 (Satisfactory)	63 (Satisfactory)	69 (Satisfactory)	62 (Satisfactory)	68 (Satisfactory)
3	DEORALI, East Sikkim	29 (Good)	45 (Good)	47 (Good)	50 (Good)	57 (Satisfactory)	57 (Satisfactory)	67 (Satisfactory)	67 (Satisfactory)	71 (Satisfactory)
4	RAVANGLA, South Sikkim	20 (Good)	16 (Good)	15 (Good)	17 (Good)	25 (Good)	22 (Good)	22 (Good)	16 (Good)	22 (Good)
5	NAMCHI, South Sikkim	34 (Good)	35 (Good)	33 (Good)	35 (Good)	36 (Good)	39 (Good)	35 (Good)	38 (Good)	35 (Good)
6	PELLING, West Sikkim	33 (Good)	37 (Good)	31 (Good)	41 (Good)	40 (Good)	36 (Good)	31 (Good)	34 (Good)	32 (Good)
7	MANGAN, North Sikkim	51 (Good)	44 (Good)	44 (Good)	43 (Good)	49 (Good)	40 (Good)	49 (Good)	49 (Good)	47 (Good)
8	CHUNGTHANG, North Sikkim	51 (Good)	44 (Good)	44 (Good)	43 (Good)	29 (Good)	32 (Good)	30 (Good)	31 (Good)	31 (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 MAY 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	02-05-2023	3.72	7.96	53.16		53
	04-05-2023	2.64	7.53	54.68		55
	09-05-2023	2.63	7.47	65.7		66
	11-05-2023	2.76	9.2	57.95		58
	17-05-2023	6.13	6.91	63.84		64
	19-05-2023	5.41	6	61.29		61
	23.05.2023	6.85	7.23	58.65		59
	25.05.2023	4.38	5.4	61.65		62
	30-05-2023	5.12	7.95	66.91		67
SINGTAM	02-05-2023	3.68	11.05	65.65		66
	04-05-2023	4.24	9.9	67.96		68
	09-05-2023	4.32	11.12	63.46		63
	11-05-2023	3.72	10.95	68.93		69
	17-05-2023	5.67	9.62	65.94		66
	19-05-2023	4.94	10.26	63.27		63
	23.05.2023	4.36	10.57	69.27		69
	25.05.2023	4.93	11.26	61.85		62
	30-05-2023	5.14	10.04	67.82		68
GANGTOK	02-05-2023	2.7	5.1	28.97	17.42	29
	04-05-2023	4.3	8.57	45.33	24.37	45
	09-05-2023	2.4	8.12	33.67	28.34	47
	11-05-2023	3.9	7.28	50.44	15.32	50
	17-05-2023	3.5	9.42	50.4	25.33	57
	19-05-2023	2.9	10.5	49.55	29.39	57
	23.05.2023	2.9	10.74	66.64	20.9	67
	25.05.2023	3.2	5.5	66.55	20.48	67
	30-05-2023	2.2	11.28	70.79	25.32	71
RAVANGLA	02-05-2023	4.9	3.86	20.27		20
	04-05-2023	2.6	2.22	15.97		16
	09-05-2023	3	3.76	15.02		15
	11-05-2023	4.3	3.63	16.69		17
	17-05-2023	4.3	3.77	24.55		25
	19-05-2023	3.7	2.92	21.97		22
	23.05.2023	3.3	3.93	22.13		22
	25.05.2023	3.3	4.08	16.29		16
	30-05-2023	4.6	4.1	22.4		22
NAMCHI	02-05-2023	4.03	5.75	33.99		34
	04-05-2023	4.45	5.63	35.47		35
	09-05-2023	4.02	6.33	32.95		33
	11-05-2023	4.44	6.2	34.52		35

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
	17-05-2023	5.3	8.05	35.87		36
	19-05-2023	5.1	8.2	39.31		39
	23.05.2023	5.5	7.92	34.67		35
	25.05.2023	4.4	9.03	37.54		38
	30-05-2023	5.7	9.04	34.83		35
	PELLING	02-05-2023	4.69	2.5	33.47	
04-05-2023		6.77	4.11	37.2		37
09-05-2023		7.81	2.78	31.2		31
11-05-2023		7.29	3.3	40.7		41
17-05-2023		6.77	2.38	40.8		40
19-05-2023		7.03	2.58	36.9		36
23.05.2023		7.03	3.06	31.5		31
25.05.2023		7.29	2.98	34.2		34
30-05-2023		6.51	3.02	32.1		32
MANGAN	02-05-2023	4.1	3.49	50.64		51
	04-05-2023	3.8	3.35	44.25		44
	09-05-2023	3.5	2.43	44.03		44
	11-05-2023	3.8	3.99	43.26		43
	17-05-2023	8.6	3.1	48.85		49
	19-05-2023	3.8	4.01	39.76		40
	23.05.2023	4.1	3.8	49.09		49
	25.05.2023	3.8	3.4	49.27		49
	30-05-2023	3.6	3.36	46.71		47
CHUNGTHANG	02-05-2023	3	3.49	50.64		51
	04-05-2023	3.7	3.35	44.25		44
	09-05-2023	3.7	2.43	44.03		44
	11-05-2023	3.5	3.99	43.26		43
	17-05-2023	3	1.34	29.04		29
	19-05-2023	3.5	1.44	31.66		32
	23.05.2023	3.2	1.48	29.75		30
	25.05.2023	3.2	1.94	31.48		31
	30-05-2023	3.2	1.67	30.72		31
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)