

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

SN	LOCATION	AIR QUALITY INDEX								
	NAME OF STATION	01.04.2023	03.04.2023	05.04.2023	10.04.2023	12.04.2023	18.04.2023	20.04.2023	25.04.2023	27.04.2023
1	RANGPO, East Sikkim	48 (Good)	50 (Good)	60 (Satisfactory)	60 (Satisfactory)	61 (Satisfactory)	69 (Satisfactory)	66 (Satisfactory)	65 (Satisfactory)	56 (Satisfactory)
2	SINGTAM, East Sikkim	62 (Satisfactory)	67 (Satisfactory)	69 (Satisfactory)	64 (Satisfactory)	69 (Satisfactory)	67 (Satisfactory)	69 (Satisfactory)	63 (Satisfactory)	63 (Satisfactory)
3	DEORALI, East Sikkim	26 (Good)	56 (Satisfactory)	44 (Good)	66 (Satisfactory)	38 (Good)	74 (Satisfactory)	58 (Satisfactory)	48 (Good)	44 (Good)
4	RAVANGLA, South Sikkim	27 (Good)	25 (Good)	23 (Good)	24 (Good)	25 (Good)	25 (Good)	17 (Good)	25 (Good)	25 (Good)
5	NAMCHI, South Sikkim	29 (Good)	35 (Good)	34 (Good)	31 (Good)	35 (Good)	32 (Good)	34 (Good)	33 (Good)	33 (Good)
6	PELLING, West Sikkim	34 (Good)	38 (Good)	39 (Good)	42 (Good)	38 (Good)	38 (Good)	38 (Good)	45 (Good)	43 (Good)
7	MANGAN, North Sikkim	26 (Good)	33 (Good)	37 (Good)	46 (Good)	49 (Good)	67 (Good)	55 (Good)	46 (Good)	41 (Good)
8	CHUNGTHANG, North Sikkim	30 (Good)	30 (Good)	28 (Good)	30 (Good)	29 (Good)	30 (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 APRIL 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	01-04-2023	2.63	6.94	47.59		48
	03-04-2023	2.67	6.44	50.27		50
	05-04-2023	3.08	6.41	60.21		60
	10-04-2023	2.23	6.59	59.93		60
	12-04-2023	2.65	9.06	61.46		61
	18-04-2023	3.76	9.24	68.73		69
	20-04-2023	4.48	7.7	66.49		66
	25.04-2023	3.9	9.87	65.25		65
	27-04-2023	4.49	10.74	56.41		56
SINGTAM	01-04-2023	6.3	11.7	61.56		62
	03-04-2023	4.62	11.78	66.52		67
	05-04-2023	5.18	12	69.17		69
	10-04-2023	6	11.44	63.68		64
	12-04-2023	5.38	9.78	68.55		69
	18-04-2023	5.47	11.47	66.96		67
	20-04-2023	4.9	10.74	68.58		69
	25.04-2023	4.32	9.98	62.55		63
	27-04-2023	4.23	10.07	63.22		63
GANGTOK	01-04-2023	3.7	7.71	25.76	14.45	26
	03-04-2023	4.1	8.38	55.62	14.62	56
	05-04-2023	4.2	11.5	44.39	26.68	44
	10-04-2023	3.7	13.14	65.71	33.78	66
	12-04-2023	4.5	10.22	38.19	15.39	38
	18-04-2023	2.3	9.27	73.74	35.94	74
	20-04-2023	4.3	10.84	58.23	19.03	58
	25.04-2023	4.6	13.77	48.37	16.78	48
	27-04-2023	2.9	11.89	43.84	17.44	44
RAVANGLA	01-04-2023	3.8	3.38	27.39		27
	03-04-2023	3.8	3.89	25.28		25
	05-04-2023	3.2	3.29	23.35		23
	10-04-2023	4.1	3.84	23.83		24
	12-04-2023	2.9	3.78	24.53		25
	18-04-2023	4.3	2.28	24.89		25
	20-04-2023	4	2.73	17.35		17
	25.04-2023	3.34	2.96	24.52		25
	27-04-2023	3.78	2.96	25.43		25
NAMCHI	01-04-2023	4.4	5.22	29		29
	03-04-2023	5.55	5.7	35.34		35
	05-04-2023	4.7	5.48	33.74		34
	10-04-2023	4.4	4.97	30.89		31
	12-04-2023	4.4	5.97	34.74		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
	18-04-2023	3.92	6.21	32.02		32
	20-04-2023	5	6.53	33.53		34
	25-04-2023	3.42	5.18	33.32		33
	27-04-2023	4.46	5.97	33.13		33
PELLING	01-04-2023	4.41	3.1	34.1		34
	03-04-2023	8.85	2.3	38.3		38
	05-04-2023	7.81	2.7	38.7		39
	10-04-2023	6.51	2.94	42.2		42
	12-04-2023	7.81	2.42	38.1		38
	18-04-2023	7.55	2.42	37.8		38
	20-04-2023	7.05	2.58	37.9		38
	25-04-2023	5.73	2.26	45.2		45
	27-04-2023	7.81	2.02	43.3		43
MANGAN	01-04-2023	3.8	3.88	26.32		26
	03-04-2023	3.1	3.12	33.48		33
	05-04-2023	3.7	3.01	36.73		37
	10-04-2023	4.2	3.22	46.29		46
	12-04-2023	4	3.64	48.81		49
	18-04-2023	4.6	4.2	66.63		67
	20-04-2023	4.1	3.01	54.88		55
	25-04-2023	3.3	3.02	46.29		46
	27-04-2023	4.3	3.1	41.33		41
CHUNGTHANG	01-04-2023	2.32	1.21	30.11		30
	03-04-2023	2.1	1.2	29.72		30
	05-04-2023	2.3	1.34	28.1		28
	10-04-2023	2.3	1.48	29.97		30
	12-04-2023	3	1.44	28.98		29
	18-04-2023	3.24	1.35	30.35		30
	20-04-2023	3.47	1.53	29.54		30
	25-04-2023	3.48	1.85	30.54		31
	27-04-2023	3.01	1.58	31.23		31
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)