

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

SN	LOCATION	AIR QUALITY INDEX									
		01.08.2023	03.08.2023	08.08.2023	10.08.2023	16.08.2023	18.08.2023	22.08.2023	24.08.2023	29.08.2023	31.08.2023
1	RANGPO, East Sikkim	61 (Satisfactory)	53 (Satisfactory)	49 (Good)	66 (Satisfactory)	61 (Satisfactory)	59 (Satisfactory)	48 (Good)	51 (Satisfactory)	59 (Satisfactory)	59 (Satisfactory)
2	SINGTAM, East Sikkim	57 (Satisfactory)	61 (Satisfactory)	49 (Good)	58 (Satisfactory)	59 (Satisfactory)	61 (Satisfactory)	59 (Satisfactory)	62 (Satisfactory)	56 (Satisfactory)	63 (Satisfactory)
3	DEORALI, East Sikkim	16 (Good)	18 (Good)	31 (Good)	26 (Good)	38 (Good)	38 (Good)	26 (Good)	33 (Good)	29 (Good)	37 (Good)
4	RAVANGLA, South Sikkim	20 (Good)	21 (Good)	21 (Good)	26 (Good)	24 (Good)	23 (Good)	22 (Good)	23 (Good)	22 (Good)	22 (Good)
5	NAMCHI, South Sikkim	40 (Good)	30 (Good)	34 (Good)	33 (Good)	36 (Good)	34 (Good)	33 (Good)	33 (Good)	32 (Good)	35 (Good)
6	PELLING, West Sikkim	9 (Good)	9 (Good)	18 (Good)	15 (Good)	15 (Good)	18 (Good)	17 (Good)	13 (Good)	31 (Good)	47 (Good)
7	MANGAN, North Sikkim	41 (Good)	40 (Good)	35 (Good)	38 (Good)	37 (Good)	38 (Good)	35 (Good)	29 (Good)	49 (Good)	37 (Good)
8	CHUNGTHANG, North Sikkim	30 (Good)	30 (Good)	27 (Good)	29 (Good)	29 (Good)	26 (Good)	23 (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 AUGUST 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	01-08-2023	5.43	13.69	60.68		61
	03-08-2023	5.96	11.17	52.65		53
	08-08-2023	5.53	11.12	48.86		49
	10-08-2023	4.09	13.51	65.90		66
	16-08-2023	6.24	15.67	60.56		61
	18-08-2023	8.80	12.76	58.81		59
	22-08-2023	8.25	18.94	48.38		48
	24-08-2023	5.86	14.74	51.02		51
	29-08-2023	5.35	14.24	58.59		59
	31-08-2023	8.16	14.79	58.90		59
SINGTAM	01-08-2023	4.29	10.23	57.32		57
	03-08-2023	3.98	9.50	61.38		61
	08-08-2023	4.20	9.87	49.50		49
	10-08-2023	3.51	10.37	57.55		58
	16-08-2023	4.52	10.68	59.11		59
	18-08-2023	4.47	9.95	61.45		61
	22-08-2023	5.03	10.98	58.82		59
	24-08-2023	5.99	11.00	61.83		62
	29-08-2023	6.54	11.68	55.67		56
	31-08-2023	5.39	10.33	63.06		63
GANGTOK	01-08-2023	2.90	4.26	16.09	4.58	16
	03-08-2023	3.30	5.37	18.23	11.24	18
	08-08-2023	5.60	8.19	30.64	11.24	31
	10-08-2023	2.90	6.31	26.27	12.10	26
	16-08-2023	3.30	6.65	38.15	15.48	38
	18-08-2023	5.20	8.27	37.86	17.89	38
	22-08-2023	3.38	9.76	26.35	10.44	26
	24-08-2023	2.45	4.36	33.30	8.78	33
	29-08-2023	2.86	6.35	28.90	7.06	29
	31-08-2023	3.51	8.17	37.34	9.16	37
RAVANGLA	01-08-2023	4.40	2.49	20.05		20
	03-08-2023	3.80	3.41	21.23		21
	08-08-2023	3.20	3.76	20.66		21
	10-08-2023	3.90	2.69	25.52		26
	16-08-2023	4.30	4.44	23.58		24
	18-08-2023	2.30	2.40	22.93		23
	22-08-2023	4.70	5.29	22.41		22
	24-08-2023	3.40	3.99	22.83		23
	29-08-2023	3.30	4.86	21.87		22
	31-08-2023	4.80	4.71	21.95		22

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	01-08-2023	5.50	8.45	40.01		40
	03-08-2023	4.60	6.67	30.28		30
	08-08-2023	5.30	5.57	33.53		34
	10-08-2023	5.50	7.52	32.65		33
	16-08-2023	5.70	7.54	35.53		36
	18-08-2023	5.70	5.91	34.00		34
	22-08-2023	6.10	6.55	33.47		33
	24-08-2023	5.10	6.67	32.66		33
	29-08-2023	4.90	7.26	31.54		32
	31-08-2023	4.40	5.67	35.49		35
PELLING	01-08-2023	6.48	3.40	9.00		9
	03-08-2023	6.71	1.29	9.00		9
	08-08-2023	9.95	2.46	17.70		18
	10-08-2023	5.56	2.97	15.00		15
	16-08-2023	6.25	1.25	15.10		15
	18-08-2023	7.41	3.09	18.40		18
	22-08-2023	4.17	2.89	16.90		17
	24-08-2023	6.25	1.68	13.00		13
	29-08-2023	9.49	2.11	30.80		31
	31-08-2023	6.48	2.11	47.40		47
MANGAN	01-08-2023	2.70	3.31	40.54		41
	03-08-2023	2.50	3.87	40.34		40
	08-08-2023	2.90	3.13	35.27		35
	10-08-2023	2.50	3.88	38.16		38
	16-08-2023	2.40	3.47	37.32		37
	18-08-2023	2.70	4.54	38.11		38
	22-08-2023	2.30	4.07	34.86		35
	24-08-2023	2.20	3.23	29.09		29
	29-08-2023	2.80	4.72	49.15		49
	31-08-2023	2.70	4.14	37.40		37
CHUNGTHANG	01-08-2023	2.80	1.67	30.06		30
	03-08-2023	3.20	1.67	30.13		30
	08-08-2023	3.00	1.71	27.40		27
	10-08-2023	3.00	1.53	29.12		29
	16-08-2023	2.80	1.53	28.80		29
	18-08-2023	3.00	1.44	26.16		26
	22-08-2023	2.32	1.62	23.36		23
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)