

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

SN	LOCATION	AIR QUALITY INDEX							
		01.12.2023	04.12.2023	06.12.2023	08.12.2023	20.12.2023	22.12.2023	27.12.2023	29.12.2023
1	RANGPO, East Sikkim	55 (Satisfactory)	57 (Satisfactory)	58 (Satisfactory)	47 (Good)	61 (Satisfactory)	55 (Satisfactory)	62 (Satisfactory)	-
2	SINGTAM, East Sikkim	76 (Satisfactory)	69 (Satisfactory)	74 (Satisfactory)	71 (Satisfactory)	70 (Satisfactory)	68 (Satisfactory)	71 (Satisfactory)	60 (Satisfactory)
3	DEORALI, East Sikkim	41 (Good)	49 (Good)	45 (Good)	35 (Good)	56 (Satisfactory)	47 (Good)	54 (Satisfactory)	59 (Satisfactory)
4	RAVANGLA, South Sikkim	24 (Good)	21 (Good)	22 (Good)	21 (Good)	25 (Good)	21 (Good)	21 (Good)	25 (Good)
5	NAMCHI, South Sikkim	37 (Good)	35 (Good)	35 (Good)	36 (Good)	35 (Good)	33 (Good)	34 (Good)	36 (Good)
6	PELLING, West Sikkim	28 (Good)	31 (Good)	29 (Good)	32 (Good)	32 (Good)	28 (Good)	30 (Good)	22 (Good)
7	MANGAN, North Sikkim	42 (Good)	44 (Good)	31 (Good)	37 (Good)	35 (Good)	33 (Good)	30 (Good)	31 (Good)
8	CHUNGTHANG, North Sikkim	32 (Good)	32 (Good)	31 (Good)	26 (Good)	30 (Good)	32 (Good)	35 (Good)	36 (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 DECEMBER 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	01/12/2023	5.3	11.9	54.6	17	55
	04/12/2023	3.4	14.8	56.5	17	57
	06/12/2023	4	13.1	57.9	11.5	58
	08/12/2023	3.8	10.4	46.7	17.1	47
	20/12/2023	5.1	17.2	61.1		61
	22/12/2023	5.5	11.3	55.4		55
	27/12/2023	5	13.4	61.5		62
	29/12/2023	4.3	14.5	56.3		
SINGTAM	01/12/2023	5.5	11.4	75.7		76
	04/12/2023	5	10.6	69	36.5	69
	06/12/2023	4.5	11.1	74.5	33.8	74
	08/12/2023	4.9	12.2	71.3	31.1	71
	20/12/2023	4.1	11.8	69.9		70
	22/12/2023	3.9	11.5	67.6		68
	27/12/2023	3.7	10.7	70.5	36.8	71
	29/12/2023	4.4	10.5	60	27.8	60
GANGTOK	01/12/2023	5.5	9.6	40.7	26.6	41
	04/12/2023	5	11.6	48.9	27.1	49
	06/12/2023	5.6	12.7	45.1	31.6	45
	08/12/2023	4.7	14.7	35	31.8	35
	20/12/2023	6.5	11.7	55.7	33.7	56
	22/12/2023	5.9	9.9	46.8	28.2	47
	27/12/2023	7.3	11.3	54.3	24.6	54
	29/12/2023	5.8	9.1	58.9	35.7	59
RAVANGLA	01/12/2023	3.2	4.9	23.6		24
	04/12/2023	4.4	3.6	21.4		21
	06/12/2023	3.8	3.7	22.4		22
	08/12/2023	4.6	4.1	21.1		21
	20/12/2023	4.8	3.3	25.4		25
	22/12/2023	4.8	4.8	20.9		21
	27/12/2023	3.9	4.4	21.3		21
	29/12/2023	3.2	4.3	24.8		25
NAMCHI	01/12/2023	4.8	6.4	37		37
	04/12/2023	4.6	6.6	34.5		35
	06/12/2023	5.8	6.7	35.1		35
	08/12/2023	4.2	6.7	35.9		36
	20/12/2023	4.9	6.2	34.5		35
	22/12/2023	4.9	7	33.1		33

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
	27/12/2023	3.3	5	33.8		34
	29/12/2023	5.2	5.9	36.3		36
PELLING	01/12/2023	4.3	1.2	27.6		28
	04/12/2023	6	1.2	31.2		31
	06/12/2023	5.1	1.7	29.2		29
	08/12/2023	6.6	1.8	32.3		32
	20/12/2023	7.5	1.3	31.9		32
	22/12/2023	7.5	1.6	28.4		28
	27/12/2023	5.4	1.8	30.4		30
	29/12/2023	6.8	2.5	21.8		22
MANGAN	01/12/2023	3.9	3.4	42		42
	04/12/2023	3.1	4.6	43.7		44
	06/12/2023	2.3	4.2	30.9		31
	08/12/2023	3.1	4.1	36.9		37
	20/12/2023	3.1	4.5	34.7	29.8	35
	22/12/2023	2.5	3.7	33.3	17.8	33
	27/12/2023	2.3	2.3	30.5	23.9	30
	29/12/2023	2.5	2.5	31.2	11.9	31
CHUNGTHANG	01/12/2023	3.7	4.8	21.5		32
	04/12/2023	3.7	4.2	32.1		32
	06/12/2023	4.6	4.9	31		31
	08/12/2023	4.4	4.4	26.2		26
	20/12/2023	3.2	4.8	29.8		30
	22/12/2023	4.6	5.1	32.4		32
	27/12/2023	3.7	4.1	35.3		35
	29/12/2023	4.2	6	35.6		36
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)