

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

SN	LOCATION	AIR QUALITY INDEX							
	NAME OF STATION	04.07.2023	06.07.2023	11.07.2023	14.07.2023	17.07.2023	19.07.2023	24.07.2023	26.07.2023
1	RANGPO, East Sikkim	56 (Satisfactory)	60 (Satisfactory)	60 (Satisfactory)	60 (Satisfactory)	66 (Satisfactory)	59 (Satisfactory)	58 (Satisfactory)	55 (Satisfactory)
2	SINGTAM, East Sikkim	52 (Satisfactory)	55 (Satisfactory)	48 (Good)	61 (Satisfactory)	58 (Satisfactory)	57 (Satisfactory)	61 (Satisfactory)	50 (Good)
3	DEORALI, East Sikkim	20 (Good)	32 (Good)	43 (Good)	22 (Good)	17 (Good)	36 (Good)	17 (Good)	27 (Good)
4	RAVANGLA, South Sikkim	22 (Good)	23 (Good)	20 (Good)	20 (Good)	26 (Good)	22 (Good)	25 (Good)	27 (Good)
5	NAMCHI, South Sikkim	33 (Good)	33 (Good)	32 (Good)	34 (Good)	34 (Good)	32 (Good)	32 (Good)	32 (Good)
6	PELLING, West Sikkim	19 (Good)	17 (Good)	16 (Good)	21 (Good)	14 (Good)	19 (Good)	14 (Good)	6 (Good)
7	MANGAN, North Sikkim	50 (Good)	54 (Good)	40 (Good)	44 (Good)	41 (Good)	44 (Good)	49 (Good)	44 (Good)
8	CHUNGTHANG, North Sikkim	30 (Good)	29 (Good)	31 (Good)	27 (Good)	28 (Good)	28 (Good)	28 (Good)	29 (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 JULY 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	04-07-2023	7.4	9.5	55.67		56
	06-07-2023	5.36	9.69	59.51		60
	11-07-2023	6.04	13.35	59.64		60
	14-07-2023	5.59	9.4	60.48		60
	17-07-2023	6.85	8.8	66.48		66
	19-07-2023	7.46	11.44	59.19		59
	24-07-2023	7.09	11.28	57.59		58
	26-07-2023	7.28	13.41	54.53		55
SINGTAM	04-07-2023	3.88	9.4	52.24		52
	06-07-2023	4.74	9.4	55.33		55
	11-07-2023	4.19	10.08	48.2		48
	14-07-2023	4.54	10.47	61.3		61
	17-07-2023	4.02	10.23	58.32		58
	19-07-2023	3.56	9.5	56.54		57
	24-07-2023	3.35	10.37	60.88		61
	26-07-2023	4.47	8.83	50.03		50
GANGTOK	04-07-2023	2.2	8.68	19.5	9.99	20
	06-07-2023	2.7	9.94	31.68	15.37	32
	11-07-2023	4.4	8.13	41.48	25.8	43
	14-07-2023	2.5	5.37	21.65	12.9	22
	17-07-2023	3.9	6.63	17.49	9.44	17
	19-07-2023	2.5	8.59	36.16	14.88	36
	24-07-2023	3.6	6.4	17.26	8.74	17
	26-07-2023	3	8.76	27.25	15.08	27
RAVANGLA	04-07-2023	5	4.45	21.75		22
	06-07-2023	3.2	2.87	22.66		23
	11-07-2023	4.1	4.84	20.11		20
	14-07-2023	5.8	5.24	20.2		20
	17-07-2023	3	3.35	25.64		26
	19-07-2023	4.7	3.75	21.89		22
	24-07-2023	4	2.82	25.09		25
	26-07-2023	3.8	3.4	27.08		27
NAMCHI	04-07-2023	6	5.66	33.39		33
	06-07-2023	5	6.32	33.23		33
	11-07-2023	4.2	6.08	32		32
	14-07-2023	5.2	6.31	34.1		34
	17-07-2023	3.91	5.1	33.87		34
	19-07-2023	3.9	5.11	31.8		32
	24-07-2023	4.01	5.08	31.95		32

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
	26-07-2023	2.1	3.82	32.18		32
PELLING	04-07-2023	5.55	3.05	19.4		19
	06-07-2023	6.02	1.91	17.8		17
	11-07-2023	6.25	1.69	16.8		16
	14-07-2023	6.48	1.47	20.83		21
	17-07-2023	6.25	2.15	13.8		14
	19-07-2023	5.79	2.31	19.1		19
	24-07-2023	5.32	3.05	13.6		14
	26-07-2023	8.1	2.85	6.3		6
MANGAN	04-07-2023	3.3	4.53	49.87		50
	06-07-2023	2.7	3.66	54.05		54
	11-07-2023	3.4	4.06	39.74		40
	14-07-2023	2.7	4.06	43.57		44
	17-07-2023	2.3	4.02	40.75		41
	19-07-2023	2.5	3.88	43.77		44
	24-07-2023	3.4	4.98	48.61		49
	26-07-2023	2.7	4.86	43.76		44
CHUNGTHANG	04-07-2023	2.3	1.76	29.81		30
	06-07-2023	3	1.39	28.99		29
	11-07-2023	2.5	1.9	30.83		31
	14-07-2023	2.5	1.48	27.47		27
	17-07-2023	2.3	1.9	28.07		28
	19-07-2023	2.3	1.62	27.93		28
	24-07-2023	2.8	1.44	27.87		28
	26-07-2023	2.8	1.9	29.17		29
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)