

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

SN	LOCATION	AIR QUALITY INDEX								
	NAME OF STATION	03.10.2023	06.10.2023	09.10.2023	11.10.2023	13.10.2023	16.10.2023	18.10.2023	20.10.2023	31.10.2023
1	RANGPO, East Sikkim	47 (Good)	-	59 (Satisfactory)	49 (Good)	45 (Good)	61 (Satisfactory)	57 (Satisfactory)	61 (Satisfactory)	61 (Satisfactory)
2	SINGTAM, East Sikkim	45 (Good)	55 (Satisfactory)	60 (Satisfactory)	62 (Satisfactory)	65 (Satisfactory)	66 (Satisfactory)	68 (Satisfactory)	60 (Satisfactory)	59 (Satisfactory)
3	DEORALI, East Sikkim	23 (Good)	23 (Good)	31 (Good)	27 (Good)	36 (Good)	23 (Good)	28 (Good)	32 (Good)	33 (Good)
4	RAVANGLA, South Sikkim	26 (Good)	21 (Good)	21 (Good)	22 (Good)	22 (Good)	22 (Good)	23 (Good)	21 (Good)	26 (Good)
5	NAMCHI, South Sikkim	33 (Good)	36 (Good)	34 (Good)	33 (Good)	34 (Good)	35 (Good)	37 (Good)	36 (Good)	-
6	PELLING, West Sikkim	23 (Good)	13 (Good)	29 (Good)	32 (Good)	33 (Good)	24 (Good)	33 (Good)	32 (Good)	31 (Good)
7	MANGAN, North Sikkim	32 (Good)	36 (Good)	26 (Good)	37 (Good)	37 (Good)	39 (Good)	38 (Good)	41 (Good)	36 (Good)
8	CHUNGTHANG, North Sikkim	-	-	-	-	-	-	-	-	-

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 OCTOBER 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	03.10.2023	4.08	10.99	46.89		47
	06.10.2023	-	-	-		-
	9.10.2023	5.41	11.56	59.11		59
	11.10.2023	5.66	13.12	48.87		49
	13.10.2023	5.03	16.62	45.37		45
	16.10.2023	7.27	16.52	61.32		61
	18.10.2023	6.8	16.2	56.73		57
	20.10.2023	4.75	16.17	61.47		61
	31.10.2023	3.42	13.82	61.14		61
SINGTAM	03.10.2023	3.89	9.64	44.61		45
	06.10.2023	5.03	11.02	54.50		55
	9.10.2023	4.44	10.9	59.73		60
	11.10.2023	3.36	10.59	61.65		62
	13.10.2023	4.3	11.05	64.5		65
	16.10.2023	3.5	11.2	66.17		66
	18.10.2023	3.63	10.36	68.39		68
	20.10.2023	3.23	10.82	60.22		60
	31.10.2023	4.17	11.13	59.06		59
GANGTOK	03.10.2023	6.29	9.43	22.94	12.88	23
	06.10.2023	5.90	8.13	23.49	10.19	23
	9.10.2023	5.04	5.04	28.37	18.69	31
	11.10.2023	4.96	4.96	27.35	14.56	27
	13.10.2023	2.94	2.94	35.68	12.53	36
	16.10.2023	4.87	4.87	21.41	13.73	23
	18.10.2023	4.48	4.48	28.37	5.13	28
	20.10.2023	2.03	2.03	31.17	15.12	32
	31.10.2023	5.07	5.07	32.66	9.56	33
RAVANGLA	03.10.2023	3.90	3.20	26.13		26
	06.10.2023	4.59	3.98	21.01		21
	9.10.2023	20.72	3.3	20.72		21
	11.10.2023	21.77	4.3	21.77		22
	13.10.2023	22.25	4.6	22.25		22
	16.10.2023	21.98	4.8	21.98		22
	18.10.2023	23.13	4.7	23.13		23
	20.10.2023	21.2	3.9	21.2		21
	31.10.2023	26.25	3.2	26.25		26

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	03.10.2023	4.50	6.54	33.12		33
	06.10.2023	4.20	6.52	35.77		36
	9.10.2023	4.2	7.31	34.29		34
	11.10.2023	6.1	6.52	32.75		33
	13.10.2023	3.7	5.62	33.64		34
	16.10.2023	3.7	6.95	35.05		35
	18.10.2023	5.5	6.34	36.89		37
	20.10.2023	5.4	6.98	36		36
	31.10.2023	-	-	-		-
PELLING	03.10.2023	7.87	2.77	23.00		23
	06.10.2023	8.10	2.11	12.67		13
	9.10.2023	5.56	3.48	28.5		29
	11.10.2023	4.86	2.31	32.3		32
	13.10.2023	6.71	2.38	33		33
	16.10.2023	4.86	3.32	24		24
	18.10.2023	5.09	2.81	33.1		33
	20.10.2023	6.25	2.38	31.7		32
	31.10.2023	6.25	3.36	30.6		31
MANGAN	03.10.2023	2.20	3.85	32.23		32
	06.10.2023	2.30	3.34	35.68		36
	9.10.2023	2.3	4.03	26.31		26
	11.10.2023	1.8	3.26	37.28		37
	13.10.2023	2.2	3.21	37		37
	16.10.2023	2.5	3.48	39.42		39
	18.10.2023	2.2	4.59	37.57		38
	20.10.2023	2.7	4.04	41.01		41
	31.10.2023	2.9	3.66	36.45		36
CHUNGTHANG	03.10.2023	<p style="text-align: center;">NO DATA</p> <p>Chungthang station could not conduct monitoring due to inaccessibility because of the recent Glacial outburst; therefore there is no data for Chungthang. Also on 6/10/2023 at Rangpo, because of electrical outage monitoring could not be conducted.</p>				
	06.10.2023					
	9.10.2023					
	11.10.2023					
	13.10.2023					
	16.10.2023					
	18.10.2023					
	20.10.2023					
	31.10.2023					
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)