

STATE POLLUTION CONTROL BOARD-SIKKIM
AMBIENT AIR QUALITY MONITORING REPORT FOR THE
MONTH OF JANUARY 2024

S N	LOCATION	AIR QUALITY INDEX								
	NAME OF STATION	02.01.2024	04.01.2024	09.01.2024	11.01.2024	16.01.2024	18.01.2024	23.01.2024	25.01.2024	30.01.2024
1	RANGPO, East Sikkim	61 (Satisfactory)	56 (Satisfactory)	50 (Good)	53 (Satisfactory)	51 (Satisfactory)	55 (Satisfactory)	55 (Satisfactory)	52 (Satisfactory)	50 (Good)
2	SINGTAM, East Sikkim	68 (Satisfactory)	70 (Satisfactory)	76 (Satisfactory)	68 (Satisfactory)	74 (Satisfactory)	68 (Satisfactory)	67 (Satisfactory)	69 (Satisfactory)	70 (Satisfactory)
3	DEORALI, East Sikkim	51 (Satisfactory)	50 (Good)	50 (Good)	49 (Good)	45 (Good)	55 (Satisfactory)	69 (Satisfactory)	55 (Satisfactory)	54 (Satisfactory)
4	RAVANGLA, South Sikkim	24 (Good)	24 (Good)	23 (Good)	21 (Good)	22 (Good)	19 (Good)	18 (Good)	21 (Good)	19 (Good)
5	NAMCHI, South Sikkim	34 (Good)	31 (Good)	33 (Good)	32 (Good)	31 (Good)	32 (Good)	32 (Good)	31 (Good)	28 (Good)
6	PELLING, West Sikkim	38 (Good)	38 (Good)	39 (Good)	43 (Good)	34 (Good)	34 (Good)	25 (Good)	27 (Good)	25 (Good)
7	MANGAN, North Sikkim	27 (Good)	33 (Good)	31 (Good)	43 (Good)	47 (Good)	46 (Good)	41 (Good)	44 (Good)	41 (Good)
8	CHUNGTHANG, North Sikkim	31 (Good)	35 (Good)	24 (Good)	28 (Good)	31 (Good)	32 (Good)	35 (Good)	23 (Good)	26 (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 JANUARY 2024

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	02-01-2024	8.66	11.03	61.14	13.02	61
	04-01-2024	7.15	16.93	56.00	11.71	56
	09-01-2024	5.63	12.25	50.19	14.14	50
	11-01-2024	3.92	13.95	53.12	14.6	53
	16-01-2024	6.07	17.37	50.90	22.86	51
	18-01-2024	7.18	15.85	54.65	29.11	55
	23-01-2024	7.42	12.05	55.05	24.96	55
	25-01-2024	8.24	9.48	52.03	29.1	52
	30-01-2024	5.42	8.60	49.93	8.73	50
Singtam	02-01-2024	4.78	10.43	67.88	34.41	68
	04-01-2024	5.52	11.54	70.48	33.29	70
	09-01-2024	4.31	11.21	76.28	34.51	76
	11-01-2024	5.15	11.72	68.46	33.63	68
	16-01-2024	4.91	4.91	73.51	25.37	74
	18-01-2024	3.59	3.59	68.21	28.27	68
	23-01-2024	4.43	4.43	67.41	29.97	67
	25-01-2024	3.35	3.35	69.27	31.21	69
	30-01-2024	4.03	4.03	70.50	32.12	70
Gangtok	02-01-2024	6.45	10.69	50.89	17.42	51
	04-01-2024	5.77	9.56	50.04	24.37	50
	09-01-2024	6.32	10.26	50.04	28.34	50
	11-01-2024	5.11	7.97	48.59	15.32	49
	16-01-2024	3.44	10.15	44.98	24.91	45
	18-01-2024	5.87	9.92	55.43	25.35	55
	23-01-2024	4.58	9.36	68.66	32.09	69
	25-01-2024	6.64	10.16	54.75	27.85	55
	30-01-2024	6.14	8.96	53.62	25.35	54
Ravangla	02-01-2024	3.15	4.03	24.38	13.67	24
	04-01-2024	2.85	5.27	23.63	18.16	24
	09-01-2024	3.54	5.83	23.17	10.14	23
	11-01-2024	4.53	5.94	21.29	12.05	21
	16-01-2024	3.76	4.12	21.65	12.89	22
	18-01-2024	2.69	3.92	18.50	9.56	19
	23-01-2024	3.50	4.00	18.30	8.73	18
	25-01-2024	3.01	2.56	20.82	7.44	21
	30-01-2024	4.57	3.62	18.81	7.15	19

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	02-01-2024	2.80	4.54	34.02	-	34
	04-01-2024	3.00	4.51	31.07	-	31
	09-01-2024	4.70	5.11	32.67	-	33
	11-01-2024	4.50	5.90	32.01	-	32
	16-01-2024	3.80	4.61	30.66	-	31
	18-01-2024	4.10	5.76	32.17	-	32
	23-01-2024	5.30	5.78	31.90	-	32
	25-01-2024	2.80	5.39	30.65	-	31
	30-01-2024	2.60	4.47	28.30	-	28
Pelling	02-01-2024	5.30	2.51	37.80	13.76	38
	04-01-2024	-	-	37.60	18.24	38
	09-01-2024	-	-	39.30	20.78	39
	11-01-2024	-	-	42.70	17.49	43
	16-01-2024	-	-	33.90	22.03	34
	18-01-2024	-	-	33.50	20.35	34
	23-01-2024	-	-	24.70	17.88	25
	25-01-2024	-	-	26.60	22.03	27
	30-01-2024	-	-	25.00	22.03	25
Mangan	02-01-2024	2.10	3.40	26.78	24.14	27
	04-01-2024	2.80	4.17	33.07	29.76	33
	09-01-2024	2.60	3.52	30.70	24.09	31
	11-01-2024	3.00	4.02	43.46	17.94	43
	16-01-2024	3.00	3.92	46.79	23.88	47
	18-01-2024	2.80	4.07	45.54	17.8	46
	23-01-2024	2.80	4.94	40.60	17.88	41
	25-01-2024	3.00	4.36	43.68	17.95	44
	30-01-2024	2.80	3.92	40.78	18.02	41
Chungthang	02-01-2024	3.50	5.71	31.16	-	31
	04-01-2024	3.50	4.23	34.67	-	35
	09-01-2024	3.90	4.94	23.63	-	24
	11-01-2024	4.60	5.77	28.33	-	28
	16-01-2024	3.93	5.51	31.05	-	31
	18-01-2024	3.94	4.35	31.65	-	32
	23-01-2024	5.56	5.77	34.85	-	35
	25-01-2024	4.17	4.55	23.17	-	23
	30-01-2024	3.71	5.03	25.89	-	26
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)