

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

S N	LOCATION	AIR QUALITY INDEX								
	NAME OF STATION	01.02.2024	06.02.2024	08.02.2024	13.02.2024	15.02.2024	20.02.2024	22.02.2024	27.02.2024	29.02.2024
1	RANGPO, East Sikkim	41 (Good)	61 (Satisfactory)	58 (Satisfactory)	67 (Satisfactory)	63 (Satisfactory)	54 (Satisfactory)	52 (Satisfactory)	57 (Satisfactory)	61 (Satisfactory)
2	SINGTAM, East Sikkim	58 (Satisfactory)	63 (Satisfactory)	66 (Satisfactory)	65 (Satisfactory)	70 (Satisfactory)	64 (Satisfactory)	62 (Satisfactory)	66 (Satisfactory)	60 (Satisfactory)
3	DEORALI, East Sikkim	60 (Satisfactory)	73 (Satisfactory)	66 (Satisfactory)	68 (Satisfactory)	61 (Satisfactory)	77 (Satisfactory)	75 (Satisfactory)	71 (Satisfactory)	64 (Satisfactory)
4	RAV ANGLA, South Sikkim	17 (Good)	21 (Good)	22 (Good)	21 (Good)	21 (Good)	22 (Good)	22 (Good)	22 (Good)	22 (Good)
5	NAMCHI, South Sikkim	33 (Good)	33 (Good)	34 (Good)	35 (Good)	33 (Good)	30 (Good)	31 (Good)	31 (Good)	32 (Good)
6	PELLING, West Sikkim	24 (Good)	26 (Good)	49 (Good)	29 (Good)	37 (Good)	38 (Good)	36 (Good)	40 (Good)	31 (Good)
7	MANGAN, North Sikkim	37 (Good)	39 (Good)	40 (Good)	46 (Good)	33 (Good)	46 (Good)	39 (Good)	44 (Good)	44 (Good)
8	CHUNGTHANG, North Sikkim	33 (Good)	28 (Good)	32 (Good)	29 (Good)	32 (Good)	32 (Good)	29 (Good)	31 (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 FEBRUARY 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	01.02.2024	6.8	10.72	41.09	12.47	41
	06.02.2024	8.16	13.86	60.88	12.31	61
	08.02.2024	7.83	15.19	58.36	17.52	58
	13.02.2024	7.79	11.33	66.76	12.96	67
	15.02.2024	9.28	14.38	63.17	21.3	63
	20.02.2024	6.93	7.77	54.02	27.87	54
	22.02.2024	8.34	14.88	52.39	30.85	52
	27.02.2024	7.59	9.78	57.19	32.04	57
	29.02.2024	5.58	12.91	60.82	28.28	61
Singtam	01.02.2024	4.96	12.2	57.76	26.28	58
	06.02.2024	5.27	10.41	63.31	28.09	63
	08.02.2024	4.43	11.13	66.11	34.57	66
	13.02.2024	5.15	12.42	65.34	23.27	65
	15.02.2024	4.55	11.62	70.14	23.27	70
	20.02.2024	5.03	10.12	64.19	27.49	64
	22.02.2024	5.77	11.43	61.6	29.3	62
	27.02.2024	6.02	10.36	65.77	26.07	66
	29.02.2024	6.55	10.71	59.76	21.41	60
Gangtok	01.02.2024	5.5	8.49	60.22	27.94	60
	06.02.2024	4	11.44	72.82	32.87	73
	08.02.2024	6.6	10.13	66.01	25.38	66
	13.02.2024	5.9	9.55	68.23	29.64	68
	15.02.2024	5.3	9.16	60.56	27.45	61
	20.02.2024	5.2	9.74	76.54	33.72	77
	22.02.2024	6.2	10.8	74.58	28.28	75
	27.02.2024	5	9.38	71.33	24.64	71
	29.02.2024	5.7	10.22	63.77	25.37	64
Ravangla	01.02.2024	3.24	6.31	17.49	6.66	17
	06.02.2024	2.83	5.04	21.09	6.69	21
	08.02.2024	3.39	5.05	21.99	7.29	22
	13.02.2024	4.18	5.05	21.08	6.01	21
	15.02.2024	4.29	3.63	20.99	5.97	21
	20.02.2024	2.16	3.85	22.12	5.54	22
	22.02.2024	4.78	3.59	21.77	4.58	22
	27.02.2024	2.6	3.49	21.73	5.83	22
	29.02.2024	2.87	3.98	21.99	5.41	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
Pelling	01.02.2024			23.7	21.63	24
	06.02.2024	7.01	1.44	26.3	16.61	26
	08.02.2024	7.2	1.21	48.7	20.36	49
	13.02.2024	6.82	1.49	29.3	15.36	29
	15.02.2024	8.9	2.1	36.7	18.58	37
	20.02.2024	5.3	1.56	38	18.81	38
	22.02.2024	5.68	2.45	36.5	19.61	36
	27.02.2024	7.01	1.52	40.1	20.86	40
	29.02.2024	8.9	2.13	31.3	15.07	31
Namchi	01.02.2024	5	6.1	32.64	-	33
	06.02.2024	4.7	5.94	33.08	-	33
	08.02.2024	3.4	5.38	33.87	-	34
	13.02.2024	4.2	5.19	34.57	-	35
	15.02.2024	4.7	5.78	32.58	-	33
	20.02.2024	3.8	5.4	29.71	-	30
	22.02.2024	3.4	5.29	31.07	-	31
	27.02.2024	3.8	5.46	30.81	-	31
	29.02.2024	4.9	5.06	32.48	-	32
Chungthang	01.02.2024	4.4	4.64	33.12	-	33
	06.02.2024	4.9	5.26	28.23	-	28
	08.02.2024	4.6	5.66	31.98	-	32
	13.02.2024	4.9	5.67	29.31	-	29
	15.02.2024	5.6	5.72	31.65	-	32
	20.02.2024	4.9	5.13	31.53	-	32
	22.02.2024	4.2	5.08	29.01	-	29
	27.02.2024	5.3	5.51	30.73	-	31
	29.02.2024	4.2	5.47	29.19	-	29
Mangan	01.02.2024	1.2	3.88	36.58	18.02	37
	06.02.2024	2.5	3.84	39.08	18.01	39
	08.02.2024	2.7	4.15	40.02	17.89	40
	13.02.2024	2.5	4.04	46.4	23.85	46
	15.02.2024	2	3.68	33.26	17.86	33
	20.02.2024	2.7	3.54	45.83	23.93	46
	22.02.2024	2	3.79	39.03	17.87	39
	27.02.2024	2.9	4.34	44.5	23.75	44
	29.02.2024	2.5	3.94	43.71	17.98	44
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

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