

STATE POLLUTION CONTROL BOARD-SIKKIM
AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF FEBRUARY 2025

SN	LOCATION	AIR QUALITY INDEX							
	NAME OF STATION	04.02.2025	06.02.2025	11.02.2025	13.02.2025	18.02.2025	20.02.2025	25.02.2025	27.02.2025
1	RANGPO, East Sikkim	49 (Good)	58 (Satisfactory)	53 (Satisfactory)	72 (Satisfactory)	58 (Satisfactory)	51 (Satisfactory)	49 (Good)	63 (Satisfactory)
2	SINGTAM, East Sikkim	63 (Satisfactory)	62 (Satisfactory)	60 (Satisfactory)	59 (Satisfactory)	65 (Satisfactory)	59 (Satisfactory)	53 (Satisfactory)	64 (Satisfactory)
3	DEORALI, East Sikkim	50 (Good)	61 (Satisfactory)	61 (Satisfactory)	79 (Satisfactory)	73 (Satisfactory)	72 (Satisfactory)	61 (Satisfactory)	67 (Satisfactory)
4	RAVANGLA, South Sikkim	32 (Good)	30 (Good)	34 (Good)	31 (Good)	33 (Good)	30 (Good)	31 (Good)	27 (Good)
5	NAMCHI, South Sikkim	30 (Good)	32 (Good)	30 (Good)	31 (Good)	31 (Good)	35 (Good)	31 (Good)	30 (Good)
6	PELLING, West Sikkim	35 (Good)	42 (Good)	40 (Good)	35 (Good)	41 (Good)	42 (Good)	40 (Good)	43 (Good)
7	MANGAN, North Sikkim	39 (Good)	28 (Good)	28 (Good)	33 (Good)	26 (Good)	32 (Good)	35 (Good)	31 (Good)
8	CHUNGTHANG, North Sikkim	26 (Good)	28 (Good)	25 (Good)	32 (Good)	26 (Good)	25 (Good)	31 (Good)	25 (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 evenon healthy people

STATE POLLUTION CONTROL BOARD, SIKKIM AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP FOR THE MONTH OF FEBRUARY 2025

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	04-02-2025	5.02	6.03	48.57	14.14	49
	06-02-2025	4.06	6.11	58.40	14.96	58
	11-02-2025	3.45	5.3	53.02	20.05	53
	13-02-2025	2.95	6.93	72.22	36.4	72
	18-02-2025	4.34	8.33	58.20	21.56	58
	20-02-2025	4.87	9.15	50.95	17.49	51
	25-02-2025	4.15	9.43	49.28	20.49	49
	27-02-2025	4.91	7.1	63.47	18.8	63
SINGTAM	04-02-2025	6.44	12.93	62.86	26.83	63
	06-02-2025	4.48	11.16	62.19	27.44	62
	11-02-2025	5.02	12.24	60.30	29.73	60
	13-02-2025	4.72	12.58	58.81	25.15	59
	18-02-2025	5.27	13.05	64.51	28.79	65
	20-02-2025	5.64	12.83	59.43	26.24	59
	25-02-2025	5.99	12.64	52.54	25.02	53
	27-02-2025	6.21	13.36	64.32	27.39	64
GANGTOK	04-02-2025	4.49	7.85	49.51	24.55	50
	06-02-2025	5.56	7.00	60.61	30.85	61
	11-02-2025	4.61	10.67	61.10	33.34	61
	13-02-2025	4.28	10.98	79.38	37.49	79
	18-02-2025	6.87	11.21	73.37	30.51	73
	20-02-2025	5.95	10.31	72.50	29.30	72
	25-02-2025	6.33	9.21	61.27	32.62	61
	27-02-2025	6.12	10.52	66.90	26.72	67
RAVANGLA	04-02-2025	5.5	5.05	32.39	13.09	32
	06-02-2025	4.8	4.84	30.15	11.32	30
	11-02-2025	4.85	5.13	34.09	13.40	34
	13-02-2025	4.29	5.35	30.78	11.54	31
	18-02-2025	5.72	5.32	32.87	12.80	33
	20-02-2025	4.95	5.59	30.50	11.43	30
	25-02-2025	4.98	5.09	30.53	11.20	31
	27-02-2025	4.71	5.32	27.30	10.61	27
NAMCHI	04-02-2025	5.65	6.62	29.91	15.37	30
	06-02-2025	4.45	5.66	32.17	16.35	32
	11-02-2025	4.44	6.15	30.11	13.71	30
	13-02-2025	4.7	5.74	31.35	12.47	31
	18-02-2025	4.7	6.24	30.93	10.73	31
	20-02-2025	4.97	6.12	35.43	12.90	35

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
	25-02-2025	5.26	6.74	31.12	11.66	31
	27-02-2025	4.64	5.84	29.53	15.79	30
PELLING	04-02-2025	4.05	5.43	35.07	11.00	35
	06-02-2025	3.9	6.06	41.93	14.20	42
	11-02-2025	4.54	6.62	39.77	14.80	40
	13-02-2025	5.21	5.67	35.20	13.10	35
	18-02-2025	3.76	5.56	40.87	19.20	41
	20-02-2025	6.25	7.44	41.73	16.90	42
	25-02-2025	3.94	5.13	39.83	16.00	40
	27-02-2025	4.95	6.10	43.07	19.20	43
MANGAN	04-02-2025	4.43	6.04	38.90	12.71	39
	06-02-2025	4.03	6.67	27.81	16.66	28
	11-02-2025	3.77	6.16	27.75	13.00	28
	13-02-2025	3.52	6.06	33.04	12.55	33
	18-02-2025	3.83	5.92	26.12	8.96	26
	20-02-2025	3.28	6.09	31.57	8.59	32
	25-02-2025	3.58	6.44	34.70	12.49	35
	27-02-2025	3.75	6.25	31.05	12.87	31
CHUNGTHANG	04-02-2025	4.2	5.49	25.74	5.82	26
	06-02-2025	4.6	5.29	27.79	6.24	28
	11-02-2025	4.28	5.65	25.39	7.88	25
	13-02-2025	3.33	5.08	32.37	7.08	32
	18-02-2025	3.37	5.51	25.61	6.32	26
	20-02-2025	4.45	5.72	24.67	6.24	25
	25-02-2025	3.57	5.28	30.77	7.07	31
	27-02-2025	3.09	5.38	24.85	9.16	25
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)