

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

SN	LOCATION	AIR QUALITY INDEX								
	NAME OF STATION	08.01.2025	10.01.2025	15.01.2025	17.01.2025	20.01.2025	22.01.2025	24.01.2025	28.01.2025	31.01.2025
1	RANGPO, East Sikkim	48 (Good)	47 (Good)	48 (Good)	49 (Good)	48 (Good)	43 (Good)	46 (Good)	47 (Good)	44 (Good)
2	SINGTAM, East Sikkim	60 (Satisfactory)	63 (Satisfactory)	61 (Satisfactory)	61 (Satisfactory)	62 (Satisfactory)	59 (Satisfactory)	59 (Satisfactory)	63 (Satisfactory)	58 (Satisfactory)
3	DEORALI, East Sikkim	46 (Good)	40 (Good)	50 (Good)	54 (Satisfactory)	55 (Satisfactory)	59 (Satisfactory)	46 (Good)	67 (Satisfactory)	60 (Satisfactory)
4	RAVANGLA, South Sikkim	31 (Good)	31 (Good)	32 (Good)	32 (Good)	32 (Good)	33 (Good)	33 (Good)	29 (Good)	32 (Good)
5	NAMCHI, South Sikkim	31 (Good)	30 (Good)	30 (Good)	31 (Good)	33 (Good)	32 (Good)	33 (Good)	33 (Good)	30 (Good)
6	PELLING, West Sikkim	42 (Good)	38 (Good)	30 (Good)	31 (Good)	44 (Good)	46 (Good)	43 (Good)	46 (Good)	35 (Good)
7	MANGAN, North Sikkim	36 (Good)	35 (Good)	29 (Good)	28 (Good)	37 (Good)	35 (Good)	45 (Good)	41 (Good)	37 (Good)
8	CHUNGTHANG, North Sikkim	25 (Good)	27 (Good)	28 (Good)	32 (Good)	30 (Good)	29 (Good)	30 (Good)	29 (Good)	32 (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 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	08.01.2025	5.08	11.85	47.95	14.36	48
	10.01.2025	6.07	13.16	47.30	18.31	47
	15.01.2025	5.55	9.52	48.15	18.18	48
	17.01.2025	6.89	13.93	48.61	11.14	49
	20.01.2025	7.69	14.26	48.49	18.15	48
	22.01.2025	5.36	13.2	43.33	20.44	43
	24.01.2025	5.36	13.2	46.35	15.65	46
	28.01.2025	6.54	11.63	46.57	16.75	47
	31.01.2025	3.99	7.39	44.49	12.91	44
Singtam	08.01.2025	6.25	13.61	59.53	21.54	60
	10.01.2025	6.56	13.12	62.68	26.24	63
	15.01.2025	5.86	14	60.95	23.89	61
	17.01.2025	5.45	13.47	61.29	20.78	61
	20.01.2025	6.77	13.67	62.29	25.13	62
	22.01.2025	6.45	14.23	58.77	24.38	59
	24.01.2025	6.96	14.6	59.08	22.98	59
	28.01.2025	7.09	13.76	63.05	23.13	63
	31.01.2025	6.09	13.6	57.88	20.52	58
GANGTOK	08.01.2025	3.61	7.67	45.79	22.89	46
	10.01.2025	3.76	7.08	40.12	21.41	40
	15.01.2025	4.5	7.7	49.51	24.15	50
	17.01.2025	3.97	7.57	54.09	26.12	54
	20.01.2025	6.23	13.55	55.04	26.84	55
	22.01.2025	5.18	11	59.22	29.26	59
	24.01.2025	5.18	8.12	45.63	22.12	46
	28.01.2025	4.92	13.81	67.41	25.74	67
	31.01.2025	5.97	13.74	59.75	24.98	60
Ravangla	08.01.2025	5.77	4.9	31.41	12.81	31
	10.01.2025	4.98	5.18	30.62	12.08	31
	15.01.2025	5.17	5.5	31.77	13.19	32
	17.01.2025	5.91	5.68	32.23	13.58	32
	20.01.2025	5.43	5.44	31.98	13.29	32
	22.01.2025	5.26	5.93	32.88	13.95	33
	24.01.2025	5.25	5.34	32.50	13.36	33
	28.01.2025	5.41	5.05	29.40	12.87	29
	31.01.2025	5.92	5.46	31.83	13.75	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
Namchi	08.01.2025	5.48	6.95	30.59	14.44	31
	10.01.2025	4.7	6.78	30.02	10.42	30
	15.01.2025	4.2	6.13	29.91	14.03	30
	17.01.2025	5.22	5.78	31.00	16.92	31
	20.01.2025	5.23	6.79	33.22	14.54	33
	22.01.2025	4.27	5.66	31.67	13.62	32
	24.01.2025	4.69	5.59	32.55	16.67	33
	28.01.2025	4.25	5.88	33.17	15.76	33
	31.01.2025	5.33	6.00	29.55	15.33	30
Pelling	08.01.2025	4.5	5.83	41.67	16.7	42
	10.01.2025	4.19	5.89	38.33	14.6	38
	15.01.2025	5.93	7.43	29.73	6.3	30
	17.01.2025	6.58	8.28	30.53	11.8	31
	20.01.2025	3.27	5.83	44.30	15	44
	22.01.2025	6.25	6.49	45.70	11.7	46
	24.01.2025	3.39	6.61	43.30	9.6	43
	28.01.2025	4.19	7	45.93	12.1	46
	31.01.2025	4.63	8.57	35.10	15.4	35
Mangan	08.01.2025	3.49	6.00	35.51	12.46	36
	10.01.2025	3.76	5.94	35.02	8.31	35
	15.01.2025	3.75	6.13	28.96	8.67	29
	17.01.2025	3.55	6.28	27.73	9.03	28
	20.01.2025	4.00	6.38	36.56	11.97	37
	22.01.2025	3.81	6.47	34.66	9.65	35
	24.01.2025	4.34	6.49	45.16	16.36	45
	28.01.2025	3.76	6.57	40.51	12.43	41
	31.01.2025	4.05	6.36	37.07	16.6	37
Chungthang	08.01.2025	6.5	7.14	24.81	6.23	25
	10.01.2025	5.36	5.97	27.17	4.7	27
	15.01.2025	6.44	7.06	28.20	5.35	28
	17.01.2025	5.08	5.85	31.52	4.65	32
	20.01.2025	4.96	6.32	29.89	4.92	30
	22.01.2025	4.94	5.79	28.84	6.23	29
	24.01.2025	4.43	5.88	29.56	5.65	30
	28.01.2025	6.25	6.38	28.75	5.41	29
	31.01.2025	5.72	6.26	31.64	7.48	32
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

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