

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

S N	LOCATION	AIR QUALITY INDEX										
	NAME OF STATION	02.04.2024	04.04.2024	06.04.2024	08.04.2024	10.04.2024	12.04.2024	15.04.2024	23.04.2024	25.04.2024	27.04.2024	30.04.2024
1	RANGPO, East Sikkim	53 (Satisfactory)	55 (Satisfactory)	54 (Satisfactory)	54 (Satisfactory)	51 (Satisfactory)	56 (Satisfactory)	50 (Good)	53 (Satisfactory)	67 (Satisfactory)	61 (Satisfactory)	63 (Satisfactory)
2	SINGTAM, East Sikkim	62 (Satisfactory)	65 (Satisfactory)	60 (Satisfactory)	58 (Satisfactory)	66 (Satisfactory)	60 (Satisfactory)	64 (Satisfactory)	67 (Satisfactory)	65 (Satisfactory)	63 (Satisfactory)	65 (Satisfactory)
3	DEORALI, East Sikkim	68 (Satisfactory)	73 (Satisfactory)	-	-	56 (Satisfactory)	48 (Good)	69 (Satisfactory)	58 (Satisfactory)	68 (Satisfactory)	67 (Satisfactory)	62 (Satisfactory)
4	RAVANGLA, South Sikkim	25 (Good)	28 (Good)	27 (Good)	27 (Good)	32 (Good)	26 (Good)	31 (Good)	30 (Good)	22 (Good)	28 (Good)	25 (Good)
5	NAMCHI, South Sikkim	34 (Good)	34 (Good)	37 (Good)	35 (Good)	33 (Good)	36 (Good)	33 (Good)	36 (Good)	34 (Good)	34 (Good)	34 (Good)
6	PELLING, West Sikkim	44 (Good)	34 (Good)	40 (Good)	35 (Good)	38 (Good)	39 (Good)	39 (Good)	44 (Good)	37 (Good)	52 (Satisfactory)	38 (Good)
7	MANGAN, North Sikkim	43 (Good)	41 (Good)	35 (Good)	31 (Good)	34 (Good)	32 (Good)	29 (Good)	37 (Good)	34 (Good)	45 (Good)	29 (Good)
8	CHUNGTHANG, North Sikkim	23 (Good)	27 (Good)	28 (Good)	24 (Good)	28 (Good)	30 (Good)	28 (Good)	32 (Good)	32 (Good)	34 (Good)	24 (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 APRIL 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-Apr-24	2.77	11.86	52.98	28.77	53
	04-Apr-24	5.22	8.06	53.63	32.78	55
	06-Apr-24	4.81	9.62	53.91	29.11	54
	08-Apr-24	6.21	7.04	54.06	14.52	54
	10-Apr-24	4.45	8.83	50.91	16.64	51
	12-Apr-24	5.99	12.31	55.93	22.91	56
	15-Apr-24	5.64	9.68	50.14	28.43	50
	23-Apr-24	4.04	12.1	53.12	30.51	53
	25-Apr-24	5.96	11.2	66.52	28.59	67
	27-Apr-24	4.9	8.77	61.49	29.12	61
	30-Apr-24	6.48	9.84	62.78	15.41	63
Singtam	02-Apr-24	5.43	12.36	62.08	25.05	62
	04-Apr-24	4.71	11.45	65.18	28.31	65
	06-Apr-24	5.24	10.47	60.4	22.75	60
	08-Apr-24	7.03	11.08	58.29	24.44	58
	10-Apr-24	6.34	12.68	66.28	30.24	66
	12-Apr-24	7.19	11.24	60.08	23.58	60
	15-Apr-24	6.16	11	64.09	29.24	64
	23-Apr-24	6.81	10.62	67.13	32.44	67
	25-Apr-24	7.22	10.96	65.31	31.32	65
	27-Apr-24	7.39	10.3	63.26	25.78	63
	30-Apr-24	8.06	11.36	64.56	31.74	65
Gangtok	02-Apr-24	6.01	16.42	68.33	16.65	68
	04-Apr-24	5.05	12.05	72.72	27.53	73
	10-Apr-24	5.76	10.74	56.44	26.22	56
	12-Apr-24	5.28	10.44	47.98	15.43	48
	15-Apr-24	4.56	10.21	68.89	30.84	69
	23-Apr-24	6.31	11.16	58.21	22.04	58
	25-Apr-24	7	10.65	67.6	24.12	68
	27-Apr-24	6.94	10.03	66.95	32.43	67
	30-Apr-24	5.41	11.2	61.97	25.02	62
Ravangla	02-Apr-24	4.15	5.6	25.06	11.61	25
	04-Apr-24	4.75	5.8	27.56	12.08	28
	06-Apr-24	5.28	5.63	26.8	11.59	27
	08-Apr-24	4.14	4.58	27.24	12.57	27
	10-Apr-24	4.29	5.07	31.79	13.94	32
	12-Apr-24	4.35	5.19	26.12	11.95	26
	15-Apr-24	4.01	6.86	30.76		31

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
	23-Apr-24	5.19	5.54	29.98		30
	25-Apr-24	5.96	6.11	21.78	12.41	22
	27-Apr-24	4.78	6.1	27.73	12.29	28
	30-Apr-24	4.49	5.62	24.37	12.02	25
Namchi	02-Apr-24	5.07	6.16	33.99	14.96	34
	04-Apr-24	4.74	6.56	33.55	18.35	34
	06-Apr-24	3.54	5.8	36.81	17.21	37
	08-Apr-24	4.27	5.53	34.64	14.96	35
	10-Apr-24	4.81	5.94	33.29	18.08	33
	12-Apr-24	4.29	5.55	36.03	15.73	36
	15-Apr-24	4.06	5.53	32.93	17.84	33
	23-Apr-24	3.56	5.4	36.16	16.33	36
	25-Apr-24	3.99	5.72	34.21	17.05	34
	27-Apr-24	5.06	5.17	34.49	15.72	34
30-Apr-24	5.57	6.15	34.29	14.96	34	
Pelling	02-Apr-24	6.95	4.61	44.17	13.79	44
	04-Apr-24	4.4	3.81	33.93	14.19	34
	06-Apr-24	7.64	3.28	39.73	13.45	40
	08-Apr-24	7.18	2.86	35.1	15.43	35
	10-Apr-24	8.57	3.65	38.03	18	38
	12-Apr-24	7.87	4.02	38.83	16.16	38
	15-Apr-24	5.79	1.76	38.53	17.52	39
	23-Apr-24	9.03	5.82	43.93	20.21	44
	25-Apr-24	4.4	1.5	36.53	10.01	37
	27-Apr-24	6.71	1.85	51.8	22.11	52
30-Apr-24	8.1	2.02	38.17	15.76	38	
Mangan	02-Apr-24	3.32	6.27	42.56	18.06	43
	04-Apr-24	3.22	5.45	40.95	17.69	41
	06-Apr-24	2.58	5.12	34.5	12.35	35
	08-Apr-24	2.8	5.68	31.18	11.98	31
	10-Apr-24	2.9	5.57	34.07	6.01	34
	12-Apr-24	3.22	5.78	32	11.8	32
	15-Apr-24	2.81	4.98	29.32	5.97	29
	23-Apr-24	3.02	5.09	37.26	12.32	37
	25-Apr-24	2.6	5.16	33.61	6.21	34
	27-Apr-24	3.35	5.71	45.27	17.93	45
30-Apr-24	2.62	5.19	28.75	5.87	29	
Chungthang	02-Apr-24	4.5	5.12	23.03		23
	04-Apr-24	4.12	5.31	26.51		27
	06-Apr-24	5.1	5.66	28.06		28
	08-Apr-24	5.18	6.66	24.49		24
	10-Apr-24	5.98	6.51	28.03		28
	12-Apr-24	4.91	6.71	30.46	5.78	30

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
	15-Apr-24	4.35	6.1	28.38	7.66	28
	23-Apr-24	5.22	6.01	31.77	10.92	32
	25-Apr-24	4.62	5.73	31.79	7.33	32
	27-Apr-24	5.18	6.26	33.90	8.08	34
	30-Apr-24	4.62	5.58	23.96	9.17	24
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)