

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

S N	LOCATION	AIR QUALITY INDEX																
		02.05.2024	06.05.2024	07.05.2024	08.05.2024	09.05.2024	13.05.2024	14.05.2024	16.05.2024	17.05.2024	18.05.2024	20.05.2024	21.05.2024	22.05.2024	23.05.2024	24.05.2024	28.05.2024	30.05.2024
1	RANGPO, East Sikkim	58 (Satisfactory)	-	52 (Satisfactory)	-	54 (Satisfactory)	-	64 (Satisfactory)	54 (Satisfactory)	-	-	-	54 (Satisfactory)	-	53 (Satisfactory)	-	56 (Satisfactory)	53 (Satisfactory)
2	SINGTAM, East Sikkim	66 (Satisfactory)	-	60 (Satisfactory)	-	63 (Satisfactory)	-	67 (Satisfactory)	65 (Satisfactory)	-	-	-	62 (Satisfactory)	-	64 (Satisfactory)	-	65 (Satisfactory)	66 (Satisfactory)
3	DEORALI, East Sikkim	69 (Satisfactory)	62 (Satisfactory)	-	51 (Satisfactory)	51 (Satisfactory)	31 (Good)	47 (Good)	-	-	-	-	51 (Satisfactory)	-	62 (Satisfactory)	-	-	34 (Good)
4	RAVANGLA, South Sikkim	32 (Good)	-	28 (Good)	-	27 (Good)	-	33 (Good)	34 (Good)	-	-	-	35 (Good)	-	37 (Good)	-	33 (Good)	35 (Good)
5	NAMCHI, South Sikkim	34 (Good)	-	36 (Good)	-	36 (Good)	-	-	-	33 (Good)	37 (Good)	39 (Good)	39 (Good)	-	-	-	39 (Good)	37 (Good)
6	PELLING, West Sikkim	33 (Good)	-	29 (Good)	-	41 (Good)	-	35 (Good)	29 (Good)	24 (Good)	25 (Good)	27 (Good)	28 (Good)	-	31 (Good)	-	-	-
7	MANGAN, North Sikkim	34 (Good)	-	45 (Good)	-	34 (Good)	-	42 (Good)	34 (Good)	-	-	-	43 (Good)	-	40 (Good)	-	36 (Good)	30 (Good)
8	CHUNGTHANG, North Sikkim	33 (Good)	-	31 (Good)	-	33 (Good)	-	34 (Good)	35 (Good)	-	-	-	35 (Good)	-	33 (Good)	-	33 (Good)	34 (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 MAY 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-May-24	4.46	12.69	57.51	25.01	58
	07-May-24	4.87	13.86	52.3	23.76	52
	09-May-24	5.74	12.37	54.34	21.21	54
	14-May-24	7.16	17.42	64.19	31.25	64
	16-May-24	5.44	13.62	53.98	23.53	54
	21-May-24	5.62	12.81	53.78	26.27	54
	23-May-24	4.48	9.43	53.34	27.51	53
	28-May-24	4.9	13.38	56.07	20.18	56
	30-May-24	3.89	12.74	53.14	18.68	53
SINGTAM	02-May-24	7.97	10.53	65.74	27.49	66
	07-May-24	8.15	11.1	60.04	26.15	60
	09-May-24	7.07	10.64	62.97	30.4	63
	14-May-24	7.51	11.47	67.37	25.49	67
	16-May-24	6.96	10	64.92	31.5	65
	21-May-24	5.44	10.18	61.88	29.16	62
	23-May-24	5.98	10.87	63.96	24.23	64
	28-May-24	7.53	10.96	65.29	27.69	65
	30-May-24	7.35	11.28	66.48	22.75	66
DEORALI	02-May-24	6.39	11.49	69.04	27.56	69
	06-May-24	6.94	10.24	61.73	23.21	62
	08-May-24	6.6	11.15	50.51	28.64	51
	09-May-24	7.5	10.64	50.52	25.33	51
	13-May-24	6.15	14.24	31.33	16.15	31
	14-May-24	4.98	13.7	47.37	22.56	47
	22-May-24	7.59	10.43	50.69	25.92	51
	24-May-24	5.32	8.26	62.07	29.14	62
	30-May-24	6.48	10.45	34.26	18.53	34
Ravangla	02-May-24	4.58	5.48	31.51	12.91	32
	07-May-24	5.6	5.24	27.56	13.36	28
	09-May-24	4.35	4.82	26.76	12.47	27
	14-May-24	4.31	5.67	33.18	14.25	33
	16-May-24	5.89	5.58	33.96	15.58	34
	21-May-24	5.07	4.69	35.1	14.25	35
	23-May-24	6.36	4.9	37.27	15.14	37
	28-May-24	4.38	5.2	32.52	15.14	33
	30-May-24	4.27	5.21	34.56	15.14	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
NAMCHI	02-May-24	3.4	5.12	33.95	17.05	34
	07-May-24	4.4	6.33	36.47	19.13	36
	09-May-24	4.7	6.59	36.46	18.76	36
	17-May-24	4.2	6.51	32.58	16.22	33
	18-May-24	4.7	6.47	37.19	18.77	37
	20-May-24	4	6.96	38.99	19.57	39
	21-May-24	4.9	6.8	38.5	20.05	39
	28-May-24	4.4	7.45	39.24	17.05	39
	30-May-24	5.5	7.37	37.32	20.38	37
PELLING	02-May-24	4.13	4.76	32.53	12.21	33
	07-May-24	5.76	4.66	28.53	13.75	29
	09-May-24	5.27	5.07	41.13	17.35	41
	14-May-24	4.78	5.1	34.73	13.55	35
	16-May-24	3.24	4.73	28.83	11.29	29
	17-May-24	4.01	4.79	23.5	10.49	24
	18-May-24	3.76	4.75	25	8.09	25
	20-May-24	4.25	4.75	27	12.15	27
	21-May-24	2.72	4.93	28	9.54	28
	23-May-24	3.36	4.89	31.4	10.86	31
MANGAN	02-May-24	2.7	5.79	34.16	11.78	34
	07-May-24	3.5	5.15	44.86	11.95	45
	09-May-24	3	5.55	33.82	5.09	34
	14-May-24	3.1	5.13	41.91	12.2	42
	16-May-24	2.9	5.52	34.17	6.05	34
	21-May-24	3.2	5.68	43.09	12	43
	23-May-24	3.2	5.5	40.48	11.9	40
	28-May-24	2.7	5.24	36.19	12.46	36
	30-May-24	2.6	4.97	30.2	5.89	30
CHUNGTHANG	02-May-24	4.72	5.4	32.81	9.02	33
	07-May-24	4.71	5.13	30.73	11.46	31
	09-May-24	4.55	5.49	32.85	10.71	33
	14-May-24	4.26	6.16	33.93	11.14	34
	16-May-24	4.08	7.05	34.77	-	35
	21-May-24	5.55	5.84	34.77	-	35
	23-May-24	4.23	6.84	33.05	-	33
	28-May-24	4.93	6.63	33.29	-	33
	30-May-24	5.58	6.27	34.05	-	34
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)