

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

SN	LOCATION	AIR QUALITY INDEX							
	NAME OF STATION	06.08.2024	08.08.2024	13.08.2024	16.08.2024	22.08.2024	24.08.2024	27.08.2024	29.08.2024
1	RANGPO, East Sikkim	47 (Good)	54 (Satisfactory)	54 (Satisfactory)	55 (Satisfactory)	50 (Good)	55 (Satisfactory)	55 (Satisfactory)	53 (Satisfactory)
2	SINGTAM, East Sikkim	46 (Good)	51 (Satisfactory)	55 (Satisfactory)	50 (Good)	53 (Satisfactory)	55 (Satisfactory)	51 (Satisfactory)	56 (Satisfactory)
3	DEORALI, East Sikkim	15 (Good)	21 (Good)	16 (Good)	23 (Good)	16 (Good)	23 (Good)	15 (Good)	22 (Good)
4	RAVANGLA, South Sikkim	34 (Good)	29 (Good)	34 (Good)	26 (Good)	30 (Good)	31 (Good)	27 (Good)	29 (Good)
5	NAMCHI, South Sikkim	34 (Good)	30 (Good)	33 (Good)	31 (Good)	36 (Good)	33 (Good)	33 (Good)	33 (Good)
6	PELLING, West Sikkim	14 (Good)	13 (Good)	17 (Good)	15 (Good)	18 (Good)	14 (Good)	11 (Good)	19 (Good)
7	MANGAN, North Sikkim	19 (Good)	20 (Good)	20 (Good)	19 (Good)	18 (Good)	16 (Good)	21 (Good)	20 (Good)
8	CHUNGTHANG, North Sikkim	21 (Good)	18 (Good)	19 (Good)	18 (Good)	27 (Good)	30 (Good)	20 (Good)	24 (Good)

Good(0-50)	Minimal Impact Minor breathing discomfort to sensitive people Breathing discomfort to the people with lung, heart disease, children and older adults	Poor (201-300)	Breathing discomfort to people on prolonged exposure Respiratory illness to the people on prolonged exposure Respiratory effects evenon healthy people
Satisfactory(51-100)		Very Poor(301-400)	
Moderate(101-200)		Severe(>401)	

STATE POLLUTION CONTROL BOARD, SIKKIM AMBIENT AIR QUALITY DATA OF EIGHT STATIONS UNDER NAMP FOR THE MONTH OF AUGUST 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	06-08-2024	5.33	17.26	47.45	19.24	47
	08-08-2024	5.01	16.93	53.59	20.82	54
	13-08-2024	5.62	12.65	54.49	20.01	54
	16-08-2024	5.97	12.46	54.62	19.06	55
	22-08-2024	4.59	11.62	50.05	15.35	50
	24-08-2024	4.57	12.48	54.73	16.5	55
	27-08-2024	5.22	12.25	54.53	25.31	55
	29-08-2024	5.62	12.22	53.15	23.38	53
Singtam	06-08-2024	5.09	12.22	46.16	16.57	46
	08-08-2024	5.97	11.99	51.11	18.76	51
	13-08-2024	6.10	12.38	54.54	19.58	55
	16-08-2024	6.36	12.66	50.40	15.34	50
	22-08-2024	6.03	11.76	53.29	17.84	53
	24-08-2024	6.45	11.88	55.09	20.04	55
	27-08-2024	6.62	11.64	51.40	19.44	51
	29-08-2024	5.91	11.37	56.05	21.74	56
Gangtok	06-08-2024	2.90	6.33	15.16	7.54	15
	08-08-2024	4.65	6.33	21.21	12.49	21
	13-08-2024	4.29	10.15	15.60	8.76	16
	16-08-2024	3.52	10.84	22.71	13.87	23
	22-08-2024	3.75	5.41	16.32	9.63	16
	24-08-2024	4.16	7.85	22.67	9.45	23
	27-08-2024	4.89	8.84	14.95	9.98	15
	29-08-2024	5.18	9.36	22.28	13.42	22
Ravangla	06-08-2024	4.93	4.82	33.90	13.73	34
	08-08-2024	5.71	4.80	28.57	12.85	29
	13-08-2024	5.86	5.74	33.80	14.19	34
	16-08-2024	4.04	5.51	26.47	11.16	26
	22-08-2024	6.43	5.33	30.06	11.21	30
	24-08-2024	5.74	5.48	30.94	12.93	31
	27-08-2024	4.97	5.84	26.62	12.16	27
	29-08-2024	5.35	5.88	29.31	11.27	29
Namchi	06-08-2024	4.59	7.10	33.62	13.72	34
	08-08-2024	4.85	6.89	30.46	13.75	30
	13-08-2024	5.75	7.20	32.71	14.11	33
	16-08-2024	5.51	7.34	31.23	12.13	31
	22-08-2024	5.76	6.56	35.58	14.54	36
	24-08-2024	4.89	7.20	32.87	12.92	33
	27-08-2024	6.36	7.42	33.40	15.76	33

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
	29-08-2024	5.22	7.65	33.23	13.38	33
Pelling	06-08-2024	3.77	4.95	14.10	5.68	14
	08-08-2024	4.62	5.71	12.67	4.17	13
	13-08-2024	3.33	5.13	16.87	7.85	17
	16-08-2024	4.50	5.39	14.97	7.87	15
	22-08-2024	4.75	5.48	18.03	6.29	18
	24-08-2024	3.73	5.34	14.30	6.31	14
	27-08-2024	3.52	4.86	11.27	5.57	11
	29-08-2024	4.25	5.46	18.53	8.83	19
Mangan	06-08-2024	2.56	5.61	18.73	12.88	19
	08-08-2024	2.79	5.67	19.88	8.38	20
	13-08-2024	2.69	6.09	20.33	8.51	20
	16-08-2024	2.57	5.99	18.96	4.20	19
	22-08-2024	2.67	5.55	18.25	8.43	18
	24-08-2024	2.23	5.33	16.05	8.27	16
	27-08-2024	2.89	5.67	21.34	12.45	21
	29-08-2024	2.56	5.14	19.56	8.33	20
Chungthang	06-08-2024	5.09	5.65	21.22	6.67	21
	08-08-2024	4.99	4.42	18.42	7.50	18
	13-08-2024	5.67	5.88	18.72	8.58	19
	16-08-2024	4.64	5.99	18.03	6.89	18
	22-08-2024	4.08	5.58	26.89	8.09	27
	24-08-2024	4.30	5.92	30.31	5.49	30
	27-08-2024	5.28	5.72	20.17	6.25	20
	29-08-2024	4.18	5.45	24.05	7.81	24
National Ambient Air Quality Standard (NAAQS-24hrs)		80	80	100	60	

National Ambient Air Quality Standard (NAAQS-24hrs)