

STATE POLLUTION CONTROL BOARD-SIKKIM
AMBIENT AIR QUALITY MONITORING REPORT FOR THE
MONTH OF DECEMBER 2021

S N	LOCATION	AIR QUALITY INDEX									
		02.12.2021	04.12.2021	06.12.2021	08.12.2021	10.12.2021	13.12.2021	15.12.2021	17.12.2021	20.12.2021	22.12.2021
1	RANGPO, East Sikkim	64 (Satisfactory)	-	68 (Good)	62 (Good)	66 (Satisfactory)	67 (Satisfactory)	66 (Satisfactory)	69 (Satisfactory)	64 (Satisfactory)	70 (Satisfactory)
2	SINGTAM, East Sikkim	51 (Satisfactory)	-	47 (Good)	54 (Good)	55 (Satisfactory)	55 (Satisfactory)	58 (Satisfactory)	56 (Satisfactory)	54 (Satisfactory)	53 (Satisfactory)
3	DEORALI, East Sikkim	51 (Satisfactory)	-	62 (Satisfactory)	58 (Satisfactory)	60 (Satisfactory)	56 (Satisfactory)	53 (Satisfactory)	46 (Good)	46 (Good)	55 (Satisfactory)
4	RAVANGLA, South Sikkim	23 (Good)	24 (Good)	-	23 (Good)	23 (Good)	23 (Good)	23 (Good)	23 (Good)	23 (Good)	22 (Good)
5	NAMCHI, South Sikkim	37 (Good)	-	33 (Good)	26 (Good)	25 (Good)	25 (Good)	25 (Good)	25 (Good)	31 (Good)	27 (Good)
6	PELLING, West Sikkim	30 (Good)	-	33 (Good)	32 (Good)	32 (Good)	29 (Good)	34 (Good)	30 (Good)	33 (Good)	36 (Good)
7	MANGAN, North Sikkim	43 (Good)	-	34 (Good)	30 (Good)	29 (Good)	32 (Good)	31 (Good)	28 (Good)	24 (Good)	22 (Good)
8	CHUNGTHANG, North Sikkim	26 (Good)	-	25 (Good)	25 (Good)	26 (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 DECEMBER 2021

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B			
		PM10($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	AQI
RANGPO	02/12/2021	64.05	5.37	13.04	64
	06/12/2021	68.38	5.55	10.05	68
	08/12/2021	61.82	6.18	13.77	62
	10/12/2021	66.16	5.28	11.01	66
	13/12/2021	67.27	6.55	11.89	67
	15/12/2021	66.43	5.85	10.98	66
	17/12/2021	68.79	5.91	12.54	69
	20/12/2021	64	4.88	11.2	64
	22/12/2021	69.68	6.46	10.37	70
SINGTAM	02/12/2021	50.9	8.59	9.25	51
	06/12/2021	46.95	7.3	9.88	47
	08/12/2021	53.62	7.99	10.56	54
	10/12/2021	55.49	7.07	8.52	55
	13/12/2021	55.22	7.55	10.1	55
	15/12/2021	57.77	6.21	9.07	58
	17/12/2021	56.41	7.93	8.64	56
	20/12/2021	54.4	7.99	9.26	54
	22/12/2021	52.52	7.84	9.75	53
GANGTOK	02/12/2021	51.08	2.63	9.96	51
	06/12/2021	62.21	3.2	11.05	62
	08/12/2021	57.98	4.31	10.71	58
	10/12/2021	59.8	3.02	10.26	60
	13/12/2021	55.94	2.35	10.03	56
	15/12/2021	53.34	3.03	9.66	53
	17/12/2021	46.43	3.62	10.41	46
	20/12/2021	46.31	3.22	9.58	46
	22/12/2021	55.14	4.39	10.56	55
RAVANGLA	02/12/2021	23.4	3.79	3.21	23
	04/12/2021	23.76	5	3.81	24
	08/12/2021	23.41	3.93	3.38	23
	10/12/2021	23.1	3.79	4.81	23
	13/12/2021	23.25	4.09	3.87	23
	15/12/2021	22.82	4.4	3.04	23
	17/12/2021	23.22	5.47	3.81	23
	20/12/2021	23.01	5.03	3.85	23

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B			
		PM10($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	AQI
	22/12/2021	21.93	5.44	3.92	22
NAMCHI	02/12/2021	36.77	3.47	4.93	37
	06/12/2021	32.83	3.84	5.52	33
	08/12/2021	26.17	2.98	5.82	26
	10/12/2021	25.44	5.34	4.61	25
	13/12/2021	25.25	3.42	2.63	25
	15/12/2021	25.04	3.43	2.31	25
	17/12/2021	24.66	2.66	3.6	25
	20/12/2021	31.26	2.9	2.39	31
	22/12/2021	26.97	2.64	3.33	27
	PELLING	02/12/2021	30.27	6.67	3.97
06/12/2021		33.1	7.5	4.05	33
08/12/2021		31.83	7.08	4.21	32
10/12/2021		32.2	5.62	3.18	32
13/12/2021		28.63	8.44	4.13	29
15/12/2021		33.7	7.19	4.05	34
17/12/2021		30.43	8.44	4.13	30
20/12/2021		33.33	6.56	4.6	33
22/12/2021		36.27	6.56	4.92	36
MANGAN	02/12/2021	42.97	5.07	6.81	43
	06/12/2021	34.08	5.01	6.25	34
	08/12/2021	29.99	4.48	5.98	30
	10/12/2021	28.62	5.03	6.44	29
	13/12/2021	31.84	5.37	6.08	32
	15/12/2021	30.96	5.63	6.69	31
	17/12/2021	28.39	4.74	6.76	28
	20/12/2021	23.64	3.88	4.92	24
	22/12/2021	21.9	4.17	5.67	22
CHUNGTHANG	02/12/2021	26.13	5.9	7.27	26
	06/12/2021	25.19	4.51	5.61	25
	08/12/2021	25.48	6.6	7.09	25
	10/12/2021	25.77	4.17	6.39	26
	13/12/2021	24.06	4.51	5.61	24
National Ambient Air Quality Standard (NAAQS-24hrs)		100	80	80	

National Ambient Air Quality Standard (NAAQS-24hrs)