

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

SN	LOCATION	AIR QUALITY INDEX								
	NAME OF STATION	1.07.2021	6.07.2021	8.07.2021	15.07.2021	17.07.2021	20.07.2021	22.07.2021	27.07.2021	29.07.2021
1	RANGPO, East Sikkim	60 (Satisfactory)	63 (Satisfactory)	61 (Satisfactory)	-	65 (Satisfactory)	64 (Satisfactory)	66 (Satisfactory)	67 (Satisfactory)	65 (Satisfactory)
2	SINGTAM, East Sikkim	39 (Good)	38 (Good)	39 (Good)	44 (Good)	41 (Good)	43 (Good)	37 (Good)	67 (Satisfactory)	65 (Satisfactory)
3	DEORALI, East Sikkim	21 (Good)	27 (Good)	39 (Good)	24 (Good)	22 (Good)	24 (Good)	22 (Good)	20 (Good)	20 (Good)
4	RAVANGLA, South Sikkim	22 (Good)	22 (Good)	24 (Good)	19 (Good)	18 (Good)	22 (Good)	18 (Good)	23 (Good)	23 (Good)
5	NAMCHI, South Sikkim	24 (Good)	29 (Good)	29 (Good)	26 (Good)	25 (Good)	37 (Good)	26 (Good)	28 (Good)	29 (Good)
6	PELLING, West Sikkim	12 (Good)	13 (Good)	18 (Good)	19 (Good)	19 (Good)	22 (Good)	18 (Good)	24 (Good)	22 (Good)
7	MANGAN, North Sikkim	34 (Good)	36 (Good)	42 (Good)	22 (Good)	24 (Good)	28 (Good)	33 (Good)	27 (Good)	28 (Good)
8	CHUNGTHANG, North Sikkim	27 (Good)	27 (Good)	30 (Good)	23 (Good)	24 (Good)	26 (Good)	25 (Good)	14 (Good)	18 (Good)

<b>Good</b> (0-50)	Minimal Impact	<b>Poor</b> (201-300)	Breathing discomfort to people on prolonged exposure
<b>Satisfactory</b> (51-100)	Minor breathing discomfort to sensitive people	<b>Very Poor</b> (301-400)	Respiratory illness to the people on prolonged exposure
<b>Moderate</b> (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Severe</b> (>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 JULY 2021**

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B			
		PM10( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	AQI
RANGPO	01-07-2021	59.7	7.23	8.29	60
	06-07-2021	63.44	7.28	8.74	63
	08-07-2021	60.76	7.06	9.76	61
	17-07-2021	64.93	6.44	9.545	65
	20-07-2021	64.21	7.71	8.55	64
	22-07-2021	65.75	7.01	9.36	66
	27-07-2021	66.83	8.08	10.38	67
	29-07-2021	65.05	7.99	10.21	65
SINGTAM	01-07-2021	38.58	8.22	9.16	39
	06-07-2021	37.84	8.17	9.33	38
	08-07-2021	39.06	8.56	9.64	39
	15-07-2021	43.81	8.77	9.82	44
	17-07-2021	41.46	8.16	9.69	41
	20-07-2021	42.63	7.81	9	43
	22-07-2021	36.96	8.95	9.86	37
	27-07-2021	66.83	8.08	10.38	67
	29-07-2021	65.05	7.99	10.21	65
DEORALI	01-07-2021	20.68	6.08	10.84	21
	06-07-2021	26.75	6.06	9.85	27
	08-07-2021	38.69	6.41	10.52	39
	15-07-2021	24.3	5.95	11.79	24
	17-07-2021	21.71	5.81	10.08	22
	20-07-2021	24.15	6.07	7.88	24
	22-07-2021	21.94	5.81	10.04	22
	27-07-2021	20.32	6.23	9.96	20
	29-07-2021	19.73	6.38	9.53	20
RAVANGLA	01-07-2021	22.45	3.75	4.06	22
	06-07-2021	22.22	4.38	3.33	22
	08-07-2021	23.68	3.92	3.2	24
	15-07-2021	18.5	4.03	4.92	19
	17-07-2021	18.4	4.72	4.92	18
	20-07-2021	21.7	3.89	3.33	22
	22-07-2021	18.3	3.89	4.13	18
	27-07-2021	22.71	2.66	3.17	23
	29-07-2021	23.41	2.81	2.55	23
NAMCHI	01-07-2021	23.59	4.76	5.8	24
	06-07-2021	28.55	4.56	5.65	29
	08-07-2021	29.04	5.24	6.13	29
	15-07-2021	25.53	4.55	5.92	26
	17-07-2021	24.62	4.78	5.2	25
	20-07-2021	36.96	6.58	6.38	37
	22-07-2021	25.53	4.66	6.9	26
	27-07-2021	27.56	5.02	5.8	28
	29-07-2021	29.41	5.91	7	29

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B			
		PM10( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	AQI
PELLING	01-07-2021	12	3.75	3.02	12
	06-07-2021	13.4	2.92	3.11	13
	08-07-2021	17.5	3.75	4.76	18
	15-07-2021	18.5	4.55	4.92	19
	17-07-2021	18.5	8.78	4.92	19
	20-07-2021	21.67	6.58	3.34	22
	22-07-2021	18.33	4.66	4.13	18
	27-07-2021	24	4.58	5.24	24
	29-07-2021	22.4	4.31	4.45	22
MANGAN	01-07-2021	34.39	5.54	7.45	34
	06-07-2021	35.95	4.39	6.25	36
	08-07-2021	42.16	6.22	7.77	42
	15-07-2021	22.04	5.14	5.29	22
	17-07-2021	24.07	5.11	6.38	24
	20-07-2021	28.47	5.58	5.63	28
	22-07-2021	32.81	6.02	7.21	33
	27-07-2021	26.53	4.89	6.22	27
	29-07-2021	28.16	5.05	5.81	28
CHUNGTHANG	01-07-2021	27.48	5.09	5.7	27
	06-07-2021	27.02	5.09	6.93	27
	08-07-2021	30.07	3.75	5.89	30
	15-07-2021	23.16	5.32	6.32	23
	17-07-2021	23.93	4.4	4.77	24
	20-07-2021	26.19	3.93	4.45	26
	22-07-2021	24.54	4.02	5.44	25
	27-07-2021	14.06	4.6	4.77	14
	29-07-2021	18.38	4.6	6.12	18
<b>National Ambient Air Quality Standards (NAAQS – 24hrs)</b>		<b>100</b>	<b>80</b>	<b>80</b>	

**National Ambient Air Quality Standards (NAAQS – 24hrs)**