

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

S I N O.	LOCATION	AIR QUALITY INDEX										
		02.09.2021	04.09.2021	07.09.21	09.09.21	14.09.21	16.09.21	18.09.21	21.09.21	23.09.21	28.09.21	30.09.21
1.	RANGPO, East Sikkim	59 (Satisfactory)	63 (Satisfactory)	44 (Good)	62 (Satisfactory)	44 (Good)	55 (Satisfactory)	65 (Satisfactory)	61 (Satisfactory)	62 (Satisfactory)	64 (Satisfactory)	53 (Satisfactory)
2.	SINGTAM, East Sikkim	41 (Good)	43 (Good)	44 (Good)	44 (Good)	43 (Good)	45 (Good)	45 (Good)	46 (Good)	46 (Good)	44 (Good)	46 (Good)
3.	DEORALI, East Sikkim	38 (Good)	40 (Good)	42 (Good)	43 (Good)	45 (Good)	39 (Good)	38 (Good)	39 (Good)	-	40 (Good)	60 (Satisfactory)
4.	RAVANGLA, South Sikkim	25 (Good)	22 (Good)	22 (Good)	24 (Good)	27 (Good)	25 (Good)	20 (Good)	19 (Good)	21 (Good)	22 (Good)	24 (Good)
5.	NAMCHI, South Sikkim	27 (Good)	29 (Good)	31 (Good)	31 (Good)	32 (Good)	29 (Good)	32 (Good)	31 (Good)	32 (Good)	35 (Good)	36 (Good)
6.	PELLING, West Sikkim	27 (Good)	32 (Good)	24 (Good)	26 (Good)	33 (Good)	32 (Good)	31 (Good)	33 (Good)	31 (Good)	34 (Good)	32 (Good)
7.	MANGAN, North Sikkim	26 (Good)	29 (Good)	23 (Good)	16 (Good)	17 (Good)	20 (Good)	24 (Good)	24 (Good)	25 (Good)	28 (Good)	25 (Good)
8.	CHUNGTHAN G, North Sikkim	27 (Good)	29 (Good)	31 (Good)	28 (Good)	24 (Good)	25 (Good)	23 (Good)	29 (Good)	29 (Good)	25 (Good)	22 (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 SEPTEMBER 2021**

STATION	DATE	STANDARD PF PARAMETERS BY C.P.C.B			
		PM10($\mu\text{g}/\text{m}^3$)	SO ₂	NO ₂	AQI
RANGPO	02/09/2021	59.19	5.33	8.8	59
	04/09/2021	62.79	6.02	10.07	63
	07/09/2021	43.85	6.13	10.08	44
	09/09/2021	61.74	5.77	10.83	62
	14/09/2021	43.87	5.77	11.68	44
	16/09/2021	55.42	5.38	14.34	55
	18/09/2021	64.75	6.79	14.59	65
	21/09/2021	60.64	5.8	10.37	61
	23/09/2021	61.8	5.12	11.39	62
	28/09/2021	64.25	5.18	12.96	64
	30/09/2021	52.94	5.66	9.19	53
SINGTAM	02/09/2021	40.77	9.25	10.51	41
	04/09/2021	43.32	8.57	9.72	43
	07/09/2021	44.28	9.58	10.24	44
	09/09/2021	44.36	9.72	11.05	44
	14/09/2021	42.89	9.1	10.12	43
	16/09/2021	45.18	8.77	10.61	45
	18/09/2021	45.07	8.32	11.14	45
	21/09/2021	45.6	9.1	10.21	46
	23/09/2021	46.42	7.97	9.67	46
	28/09/2021	43.96	7.75	9.71	44
	30/09/2021	45.72	8.18	10.77	46
GANGTOK	02/09/2021	37.77	6.96	9.58	38
	04/09/2021	39.69	6.43	9.2	40
	07/09/2021	41.98	6.06	10.22	42
	09/09/2021	41.54	5.97	10.03	43
	14/09/2021	36.71	6.23	9.65	45
	16/09/2021	39.01	6.36	9.64	39
	18/09/2021	38.17	6.27	10.08	38
	21/09/2021	38.81	6.95	12.88	39
	28/09/2021	40.19	6.77	13.16	40
	30/09/2021	33.97	7.01	12.99	60
	RAVANGLA	02/09/2021	24.55	2.75	3.85
04/09/2021		22.01	2.75	2.99	22
07/09/2021		22.33	4.09	2.46	22
09/09/2021		24.47	3.62	2.73	24
14/09/2021		27.37	3.45	2.23	27

STATION	DATE	STANDARD PF PARAMETERS BY C.P.C.B			
		PM10($\mu\text{g}/\text{m}^3$)	SO ₂	NO ₂	AQI
	16/09/2021	25.21	3.15	3.66	25
	18/09/2021	20.39	3.47	2.73	20
	21/09/2021	19.34	2.57	3.43	19
	23/09/2021	20.84	3.3	3.25	21
	28/09/2021	22.35	3.82	2.79	22
	30/09/2021	23.9	3.51	2.57	24
	NAMCHI	02/09/2021	26.83	5.62	6.55
04/09/2021		28.67	4.78	6.1	29
07/09/2021		31.35	5.08	6.39	31
09/09/2021		31.25	5.63	6.76	31
14/09/2021		31.59	5.89	5.84	32
16/09/2021		29.23	5.62	6.45	29
18/09/2021		31.9	4.84	6.48	32
21/09/2021		31.01	5.62	6.18	31
23/09/2021		32.21	4.56	6.02	32
28/09/2021		35.05	5.62	6.67	35
30/09/2021		35.94	6.42	7.23	36
PELLING	02/09/2021	27	4.72	4.61	27
	04/09/2021	32.2	4.86	5.24	32
	07/09/2021	23.87	4.58	4.13	24
	09/09/2021	26.13	4.17	5.24	26
	14/09/2021	32.97	3.75	3.81	33
	16/09/2021	32.33	4.45	4.6	32
	18/09/2021	30.83	5.42	5.56	31
	21/09/2021	33.03	6.11	6.99	33
	23/09/2021	30.63	5	5.88	31
	28/09/2021	33.87	5.84	5.72	34
	30/09/2021	31.9	4.3	7.14	32
MANGAN	02/09/2021	25.59	4.86	6.52	26
	04/09/2021	29.46	5.42	5.36	29
	07/09/2021	22.91	5.44	5.5	23
	09/09/2021	16.16	5.16	5.35	16
	14/09/2021	17.06	5.72	6.02	17
	16/09/2021	20	4.95	5.4	20
	18/09/2021	23.96	4.97	6.5	24
	21/09/2021	23.88	5.21	6.42	24
	23/09/2021	24.52	5.72	6.03	25
	28/09/2021	27.95	5.44	6.07	28
	30/09/2021	25.42	6.06	6.24	25

STATION	DATE	STANDARD PF PARAMETERS BY C.P.C.B			
		PM10($\mu\text{g}/\text{m}^3$)	SO ₂	NO ₂	AQI
CHUNGTHANG	02/09/2021	26.9	5.41	5.58	27
	04/09/2021	29.08	5.82	6.48	29
	07/09/2021	30.85	5.73	6.8	31
	09/09/2021	28.46	4.16	5.46	28
	14/09/2021	23.99	4.17	5.21	24
	16/09/2021	24.59	5.47	5.73	25
	18/09/2021	22.98	4.69	5.84	23
	21/09/2021	28.62	5.73	6.6	29
	23/09/2021	28.95	5.73	5.91	29
	28/09/2021	25.33	5.73	6.67	25
	30/09/2021	21.72	5.47	5.97	22
National Ambient Air Quality Standards (NAAQS – 24hrs)		100	80	80	

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