

STATE POLLUTION CONTROL BOARD-SIKKIM
AMBIENT AIR QUALITY MONITORING REPORT FOR THE
MONTH OF SEPTEMBER 2022

SN	LOCATION	AIR QUALITY INDEX									
		06.09.2022	08.09.2022	12.09.2022	14.09.2022	16.09.2022	19.09.2022	21.09.2022	23.09.2022	27.09.2022	29.09.2022
1	RANGPO, East Sikkim	56 (Satisfactory)	52 (Satisfactory)	46 (Good)	41 (Good)	79 (Satisfactory)	38 (Good)	51 (Satisfactory)	58 (Satisfactory)	64 (Satisfactory)	51 (Satisfactory)
2	SINGTAM, East Sikkim	59 (Satisfactory)	63 (Satisfactory)	64 (Satisfactory)	57 (Satisfactory)	57 (Satisfactory)	59 (Satisfactory)	62 (Satisfactory)	56 (Satisfactory)	61 (Satisfactory)	55 (Satisfactory)
3	DEORALI, East Sikkim	30 (Good)	32 (Good)	33 (Good)	34 (Good)	34 (Good)	27 (Good)	42 (Good)	35 (Good)	41 (Good)	40 (Good)
4	RAVANGLA, South Sikkim	17 (Good)	18 (Good)	14 (Good)	15 (Good)	13 (Good)	17 (Good)	19 (Good)	20 (Good)	15 (Good)	17 (Good)
5	NAMCHI, South Sikkim	30 (Good)	33 (Good)	29 (Good)	28 (Good)	33 (Good)	35 (Good)	34 (Good)	30 (Good)	33 (Good)	31 (Good)
6	PELLING, West Sikkim	17 (Good)	18 (Good)	14 (Good)	18 (Good)	16 (Good)	21 (Good)	18 (Good)	15 (Good)	20 (Good)	21 (Good)
7	MANGAN, North Sikkim	28 (Good)	19 (Good)	20 (Good)	21 (Good)	17 (Good)	32 (Good)	12 (Good)	10 (Good)	20 (Good)	22 (Good)
8	CHUNGTHANG, North Sikkim	25 (Good)	25 (Good)	24 (Good)	19 (Good)	20 (Good)	22 (Good)	24 (Good)	19 (Good)	24 (Good)	17 (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 2022

Station	Sampling Date	STANDARD OF PARAMETERS BY C.P.C.B			
		PM10($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	AQI
RANGPO	06.09.2022	56.03	7.2	10.56	56
	08.09.2022	52.42	4.96	11.75	52
	12.09.2022	46.1	4.22	11.11	46
	14.09.2022	40.63	4.47	10.08	41
	16.09.2022	79.47	5.39	10.55	79
	19.09.2022	37.95	7.76	7.76	38
	21.09.2022	51.43	6.32	6.32	51
	23.09.2022	57.98	4.74	4.74	58
	27.09.2022	63.77	5.16	5.16	64
	29.09.2022	51.37	3.45	3.45	51
SINGTAM	06.09.2022	59.39	6.61	9.26	59
	08.09.2022	62.98	7.17	9.87	63
	12.09.2022	63.56	5.74	8.51	64
	14.09.2022	57.28	6.07	7.9	57
	16.09.2022	56.91	6.22	8.16	57
	19.09.2022	59.04	7.29	10.25	59
	21.09.2022	62.06	7.6	9.28	62
	23.09.2022	55.56	7.31	10.34	56
	27.09.2022	61.39	6.41	8.92	61
	29.09.2022	54.98	6.94	9.32	55
DEORALI	06.09.2022	28.9	4.6	8.81	30
	08.09.2022	31.97	5.7	9.4	32
	12.09.2022	33.27	5.6	8.88	33
	14.09.2022	34.33	6.8	8.66	34
	16.09.2022	33.9	5.2	8.55	34
	19.09.2022	26.83	3.43	7.56	27
	21.09.2022	42.4	4.17	7.4	42
	23.09.2022	34.51	3.4	6.85	35
	27.09.2022	40.95	3.31	7.79	41
	29.09.2022	39.92	3.03	6.85	40
RAVANGLA	06.09.2022	17.04	2.06	3.04	17
	08.09.2022	18.11	3.88	2.7	18
	12.09.2022	14.1	4.04	3.83	14
	14.09.2022	15.21	3.61	3.81	15
	16.09.2022	13.4	3.93	3.75	13
	19.09.2022	17.34	3.23	3.43	17
	21.09.2022	19.27	3.5	3.16	19
	23.09.2022	19.94	4.01	3.59	20
	27.09.2022	15.47	3.07	3.93	15
	29.09.2022	16.96	3.91	2.65	17

Station	Sampling Date	STANDARD OF PARAMETERS BY C.P.C.B			
		PM10($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	AQI
NAMCHI	06.09.2022	29.72	3.7	5.18	30
	08.09.2022	32.83	3.2	4.06	33
	12.09.2022	29.38	4.5	4.94	29
	14.09.2022	27.5	3.2	4.28	28
	16.09.2022	32.8	3.9	3.84	33
	19.09.2022	34.9	4.96	5.79	35
	21.09.2022	33.83	4.47	5.94	34
	23.09.2022	30.41	4.44	5.42	30
	27.09.2022	33.19	4.14	5.04	33
	29.09.2022	30.84	4.18	5.14	31
PELLING	06.09.2022	17.38	5.72	1.4	17
	08.09.2022	17.9	3.87	1.37	18
	12.09.2022	14	3.87	2.14	14
	14.09.2022	18	4.05	1.22	18
	16.09.2022	16.23	4.79	2.16	16
	19.09.2022	20.83	7	3.14	21
	21.09.2022	18.11	5.15	3.44	18
	23.09.2022	14.85	5.16	2.87	15
	27.09.2022	20.14	5.72	1.87	20
	29.09.2022	21.37	4.43	2.54	21
MANGAN	06.09.2022	27.71	-----	-----	28
	08.09.2022	18.7	----	----	19
	12.09.2022	19.64	-----	-----	20
	14.09.2022	21.04	-----	-----	21
	16.09.2022	16.95	-----	-----	17
	19.09.2022	32.48	----	----	32
	21.09.2022	11.86	-----	-----	12
	23.09.2022	9.88	-----	-----	10
	27.09.2022	19.69	-----	----	20
	29.09.2022	22.21	-----	-----	22
CHUNGTHANG	06.09.2022	24.61	-----	-----	25
	08.09.2022	24.82	----	-----	25
	12.09.2022	24.21	-----	-----	24
	14.09.2022	19.06	-----	-----	19
	16.09.2022	20.23	-----	-----	20
	19.09.2022	21.53	-----	-----	22
	21.09.2022	24.36	-----	-----	24
	23.09.2022	18.63	-----	-----	19
	27.09.2022	23.94	-----	-----	24
	29.09.2022	16.7	-----	-----	17
National Ambient Air Quality Standard (NAAQS-24hrs)		100	80	80	

National Ambient Air Quality Standard (NAAQS-24hrs)