

**STATE POLLUTION CONTROL BOARD-SIKKIM**  
**AMBIENT AIR QUALITY MONITORING REPORT FOR THE MONTH OF**  
**DECEMBER 2020**

S N	LOCATION	AIR QUALITY INDEX								
	NAME OF STATION	01.12. 2020	03.12. 2020	05.12. 2020	07.12. 2020	09.12. 2020	10.12. 2020	11.12. 2020	22.12. 2020	24.12. 2020
1	RANGPO, East Sikkim	80(Satis factory)	85(Satis factory)	73(Satis factory)	69(Satis factory)	60(Satis factory)	-	62(Satis factory)	62(Satis factory)	55(Satis factory)
2	SINGTAM, East Sikkim	44 (Good)	38 (Good)	42 (Good)	43 (Good)	47 (Good)	-	43 (Good)	44 (Good)	44 (Good)
3	DEORALI, East Sikkim	44 (Good)	50 (Good)	43 (Good)	59(Satis factory)	-	41 (Good)	45 (Good)	46 (Good)	51(Satis factory)
4	RAVANGLA, South Sikkim	24 (Good)	25(Good)	22(Good)	24(Good)	21(Good)	-	24(Good)	22(Good)	20(Good)
5	NAMCHI, South Sikkim	30(Good)	35(Good)	33(Good)	29(Good)	33(Good)	-	28(Good)	29(Good)	31(Good)
6	PELLING, West Sikkim	23(Good)	22(Good)	20(Good)	22(Good)	30(Good)	-	22(Good)	24(Good)	25(Good)
7	MANGAN, North Sikkim	44(Good)	49(Good)	26(Good)	54(satis factory)	50(Good)	-	55(Satis factory)	51(Satis factory)	54(Satis factory)
8	CHUNGTHANG, North Sikkim	21(Good)	22(Good)	21(Good)	22(Good)	23(Good)	-	23(Good)	18(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 SEVEN STATIONS UNDER NAMP  
 FOR THE MONTH OF DECEMBER 2020

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B				
		PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	AQI
RANGPO	01.12.2020	80.38	-	8.4	10.43	80
	03.12.2020	84.70	-	7.7	9.91	85
	05.12.2020	73.45	-	3.2	8.35	73
	07.12.2020	68.93	-	7.2	10.51	69
	09.12.2020	60.21	-	6.5	8.56	60
	10.12.2020	62.34	-	6.6	8.66	62
	11.12.2020	61.64	-	8.8	10.23	62
	22.12.2020	55.39	-	6.6	10.36	55
	24.12.2020	80.38	-	8.4	10.43	80
SINGTAM	01.12.2020	43.69	-	7.4	9.9	44
	03.12.2020	37.63	-	7.8	9.17	38
	05.12.2020	41.65	-	8	9.22	42
	07.12.2020	42.77	-	7.5	9.76	43
	09.12.2020	46.56	-	7.2	9.99	47
	10.12.2020	42.62	-	7	9.19	43
	11.12.2020	43.62	-	8.6	9.64	44
	22.12.2020	44.04	-	7.7	11.41	44
	24.12.2020	43.69	-	7.4	9.9	44
PELLING	01.12.2020	23.37	-	3.64	2.73	23
	03.12.2020	21.5	-	3.99	2.41	22
	05.12.2020	19.8	-	4.69	3.3	20
	07.12.2020	21.57	-	4.33	3.49	22
	09.12.2020	30.2	-	4.17	2.67	30
	10.12.2020	22	-	5.21	2.99	22
	11.12.2020	24.47	-	3.12	2.48	24
	22.12.2020	25.17	-	3.64	2.22	25
	24.12.2020	23.37	-	3.64	2.73	23
DEORALI	01.12.2020	33.40	26.29	12.9	16.13	44
	03.12.2020	45.01	30.02	6.1	15.70	50
	05.12.2020	38.80	26.09	7.8	14.39	43
	07.12.2020	51.08	35.21	7.9	14.78	59
	09.12.2020	41.43	18.10	8.1	15.48	41
	10.12.2020	44.72	-	7.2	16.56	45
	11.12.2020	45.63	26.32	9.5	16.76	46
	22.12.2020	33.40	30.45	7.4	15.06	51
	24.12.2020	33.40	26.29	12.9	16.13	44
NAMCHI	01.12.2020	30.37	-	5.1	5.90	30
	03.12.2020	34.91	-	9.3	6.53	35
	05.12.2020	33.40	-	2.6	4.26	33
	07.12.2020	28.82	-	3.5	3.72	29
	09.12.2020	32.74	-	4.5	6.35	33
	10.12.2020	28.06	-	6.5	6.35	28
	11.12.2020	28.80	-	4.7	6.91	29
	22.12.2020	31.17	-	5.6	5.42	31
	24.12.2020	30.37	-	5.1	5.90	30

STATION	DATE	STANDARD OF PARAMETERS BY C.P.C.B				
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RAVANGLA	01.12.2020	24.34	-	3.3	4.34	24
	03.12.2020	24.79	-	4.9	2.97	25
	05.12.2020	22.21	-	3.1	3.43	22
	07.12.2020	24.18	-	3.1	4.27	24
	09.12.2020	21.35	-	4.7	4.27	21
	10.12.2020	23.52	-	3.5	3.81	24
	11.12.2020	21.71	-	3.3	3.51	22
	22.12.2020	20.43	-	3	4.19	20
	24.12.2020	24.34	-	3.3	4.34	24
MANGANG	01.12.2020	43.90	-	4.7	6.21	44
	03.12.2020	49.36	-	4.2	6.20	49
	05.12.2020	25.83	-	3.9	4.85	26
	07.12.2020	53.60	-	6	6.62	54
	09.12.2020	49.64	-	5.4	6.56	50
	10.12.2020	55.24	-	6	6.06	55
	11.12.2020	50.91	-	5.7	5.53	51
	22.12.2020	54.13	-	5.2	5.55	54
	24.12.2020	43.90	-	4.7	6.21	44
CHUNGTHANG	01.12.2020	21.44	-	5.45	2.14	21
	03.12.2020	22.25	-	4.42	1.77	22
	05.12.2020	21.05	-	5.19	2.09	21
	07.12.2020	21.71	-	5.45	2.29	22
	09.12.2020	23.32	-	7.02	2.02	23
	10.12.2020	22.52	-	8.58	1.9	23
	11.12.2020	18.06	-	7.27	1.89	18
	22.12.2020	17.52	-	5.46	2.14	18
	24.12.2020	21.44	-	5.45	2.14	21
<b>National Ambient Air Quality Standards (NAAQS – 24 hrs)</b>		<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	

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