

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

SN	LOCATION	AIR QUALITY INDEX							
	NAME OF STATION	1.12.2022	3.12.2022	5.12.2022	7.12.2022	9.12.2022	12.12.2022	14.12.2022	16.12.2022
1	RANGPO, East Sikkim	59 (Satisfactory)	61 (Satisfactory)	59 (Satisfactory)	53 (Satisfactory)	64 (Satisfactory)	60 (Satisfactory)	58 (Satisfactory)	58 (Satisfactory)
2	SINGTAM, East Sikkim	61 (Satisfactory)	65 (Satisfactory)	64 (Satisfactory)	59 (Satisfactory)	61 (Satisfactory)	65 (Satisfactory)	66 (Satisfactory)	61 (Satisfactory)
3	DEORALI, East Sikkim	51 (Satisfactory)	51 (Satisfactory)	50 (Good)	44 (Good)	59 (Satisfactory)	63 (Satisfactory)	66 (Satisfactory)	68 (Satisfactory)
4	RAVANGLA, South Sikkim	23 (Good)	27 (Good)	27 (Good)	21 (Good)	26 (Good)	21 (Good)	23 (Good)	25 (Good)
5	NAMCHI, South Sikkim	29 (Good)	31 (Good)	33 (Good)	35 (Good)	34 (Good)	35 (Good)	33 (Good)	35 (Good)
6	PELLING, West Sikkim	38 (Good)	34 (Good)	32 (Good)	30 (Good)	27 (Good)	27 (Good)	31 (Good)	26 (Good)
7	MANGAN, North Sikkim	18 (Good)	22 (Good)	25 (Good)	24 (Good)	31 (Good)	27 (Good)	29 (Good)	30 (Good)
8	CHUNGTHANG, North Sikkim	23 (Good)	24 (Good)	23 (Good)	37 (Good)	38 (Good)	39 (Good)	41 (Good)	39 (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 DECEMBER 2022**

Station	Sampling Date	STANDARD OF PARAMETERS BY C.P.C.B			
		SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	AQI
<b>RANGPO</b>	01-12-2022	6.25	7.24	58.72	<b>59</b>
	05-12-2022	7.24	6.45	61.14	<b>61</b>
	05-12-2022	5.92	9.32	59	<b>59</b>
	07-12-2022	6.58	8.37	53.3	<b>53</b>
	09-12-2022	6.97	9.23	64.21	<b>64</b>
	12-12-2022	5.87	7.46	60.14	<b>60</b>
	14-12-2022	5.35	7.8	58.35	<b>58</b>
	16-12-2022	4.18	7.88	58.36	<b>58</b>
<b>SINGTAM</b>	01-12-2022	6.17	10.65	60.52	<b>61</b>
	03-12-2022	5.92	12.13	64.59	<b>65</b>
	05-12-2022	6.14	11.15	64.23	<b>64</b>
	07-12-2022	6.86	10.05	58.63	<b>59</b>
	09-12-2022	7.1	10.23	60.86	<b>61</b>
	12-12-2022	6.77	11.21	64.53	<b>65</b>
	14-12-2022	5.48	10.49	65.89	<b>66</b>
	16-12-2022	6.51	12.09	60.93	<b>61</b>
<b>Gangtok</b>	01-12-2022	4.5	8.5	50.89	<b>51</b>
	03-12-2022	6.6	9.9	51.42	<b>51</b>
	05-12-2022	5.7	11.77	49.5	<b>50</b>
	07-12-2022	5.2	9.24	44.1	<b>44</b>
	09-12-2022	5.9	9.47	58.54	<b>59</b>
	12-12-2022	6.1	10.44	62.71	<b>63</b>
	14-12-2022	7.7	12.96	66.05	<b>66</b>
	16-12-2022	5.5	8.98	68.84	<b>68</b>
<b>Ravangla</b>	01-12-2022	2.7	3.28	22.97	<b>23</b>
	03-12-2022	5.2	2.67	26.71	<b>27</b>
	05-12-2022	4	3.95	26.8	<b>27</b>
	07-12-2022	3.3	3.28	20.93	<b>21</b>
	09-12-2022	4.9	3.86	26.24	<b>26</b>
	12-12-2022	6.7	5.34	21.23	<b>21</b>
	14-12-2022	4.8	3.32	22.67	<b>23</b>
	16-12-2022	4.7	5.54	25.31	<b>25</b>
<b>Namchi</b>	01-12-2022	4.3	5.37	29.12	<b>29</b>
	03-12-2022	4.6	6.67	30.82	<b>31</b>
	05-12-2022	5.8	6.71	33.2	<b>33</b>
	07-12-2022	4.2	6.7	35.02	<b>35</b>
	09-12-2022	4.9	6.25	33.96	<b>34</b>

Station	Sampling Date	STANDARD OF PARAMETERS BY C.P.C.B			
		SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	AQI
	12-12-2022	4.3	7.16	34.98	35
	14-12-2022	3.3	5.06	33	33
	16-12-2022	4.8	5.9	35.43	35
Pelling	01-12-2022	5.13	1.96	38.4	38
	03-12-2022	4.33	1.99	34	34
	05-12-2022	4.97	1.81	31.7	32
	07-12-2022	6.09	2.77	29.9	30
	09-12-2022	6.25	1.78	26.9	27
	12-12-2022	5.24	1.67	26.8	27
	14-12-2022	5.29	1.71	31.7	31
	16-12-2022	5.29	2.13	26.3	26
Mangan	01-12-2022	4.07	5.47	17.68	18
	03-12-2022	3.84	5.4	22.2	22
	05-12-2022	3.4	5.59	25.34	25
	07-12-2022	2.2	5.54	24.27	24
	09-12-2022	2.96	5.06	31.02	31
	12-12-2022	3.2	4.47	27.76	27
	14-12-2022	2.5	4.76	28.66	29
	16-12-2022	3.4	5.3	29.75	30
Chungthang	01-12-2022			22.84	23
	03-12-2022			23.97	24
	05-12-2022			23.09	23
	07-12-2022			37.37	37
	09-12-2022	1.9	1.25	38.44	38
	12-12-2022	1.9	1.3	39.25	39
	14-12-2022	2.1	1.2	40.94	41
	16-12-2022	2.3	1.2	39.31	39
<b>National Ambient Air Quality Standard (NAAQS-24hrs)</b>		<b>100</b>	<b>80</b>	<b>80</b>	

**National Ambient Air Quality Standard (NAAQS-24hrs)**