

Minimal pollution during Deepawali festival 2017

Air quality in various parts of Sikkim remained good on deepawali nights as minimal impacts was recorded in almost all the eight locations in the State. The State Pollution Control Board (SPCB), which monitored ambient air quality before and during deepawali festival showed good indices in at least seven of the eight locations.

Air quality of Rangpo was satisfactory at 72 points causing minor breathing discomfort to sensitive people while that of Deorali, Singtam, Ravangla, Namchi, Pelling, Chungthang and Mangan remained good showing minimal impact.

On pre-deepawali monitoring, Rangpo and Singtam had satisfactory air quality index while the six other locations had good with minimal impact.

Further noise level monitored at Titanic Park, Gangtok was also within permissible limits as per the noise level data before and during deepawali. SPCB has attributed to the fact that people have refrained from using firecrackers and the collective initiative taken by the general public, the State government to reduce air pollution has been successful.

AMBIENT AIR QUALITY MONITORING REPORT DURING DEEPAWALI 2017.

	LOCATION	Air Quality Index		
	NAME OF STATION	Pre-Deepawali 12.10.2017	Pre-Deepawali 17.10.2017	On Deepawali 19.10.2017
1	RANGPO, East Sikkim	70(Satisfactory)	55(satisfactory)	72(Satisfactory)
2	SINGTAM, East Sikkim	27 (Good)	57(satisfactory)	42 (Good)
3	DEORALI, East Sikkim	26 (Good)	32 (Good)	31 (Good)
4	RAVANGLA, South Sikkim	10 (Good)	12 (Good)	16 (Good)
5	NAMCHI, South Sikkim	24 (Good)	25 (Good)	27 (Good)
6	PELLING, West Sikkim	8 (Good)	18 (Good)	17 (Good)
7	CHUNGTHANG, North Sikkim	16 (Good)	16 (Good)	19 (Good)
8	MANGAN, North Sikkim	32 (Good)	28(Good)	30 (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

Source: State Pollution Control Board Sikkim

NOISE LEVEL MONITORING REPORT DURING DEEPAWALI 2017.

Location: Titanic Park, M.G.Marg	Pre- Deepawali 12/10/2017	During Deepawali 19/10/2017	National Standards dB (A) Leq
Time Duration	dB (A) Leq	dB (A) Leq	65 dB (A)
18:00 to 19:00	48.2	55.6	
19:00 to 20:00	59.7	56.9	
12:00 to 21:00	64.0	51.0	
21:00 to 22:00	39.5	52.5	
22:00 to 23:00	31.1	49.2	55 dB (A)
23:00 to 24:00	30.3	53.9	

Source: State Pollution Control Board Sikkim

STATE POLLUTION CONTROL BOARD-SIKKIM
AMBIENT AIR QUALITY DATA
MONTH- OCTOBER (3rd WEEK) 2017

1. PM₁₀ (µg/Nm³)

Date	NAMP STATIONS								
	Rangpo, East District	Singtam, East District	Forest Secretariat, Deorali,(Gangtok) East Sikkim	Ravangla, South District	Namchi, South District	Pelling, West District	Chungthang, North District	Mangan, North district	NAAQS
17-10-2017(PRE-DIPAWALI))	55.47	56.99	31.59	12.23	25.38	17.7	15.52	28.37	100
19-10-2017(DAY OF DIPAWALI)	71.73	41.83	31.43	16.29	27.47	17.3	19.38	30.1	100

2. SO₂ (µg/Nm³)

Date	NAMP STATIONS								
	Rangpo, East District	Singtam, East District	Forest Secretariat, Deorali,(Gangtok) East Sikkim	Ravangla, South District	Namchi, South District	Pelling, West District	Chungthang, North District	Mangan, North DISTRICT	NAAQS
17-10-2017(PRE-DIPAWALI)	8.78	7.5	2.08	2.6	7.75	3.65	3.75	4.6	80
19-10-2017(DAY OF DIPAWALI)	7.36	3.7	3.57	3.9	7.74	3.39	2.5	5.7	80

3. NO₂ (µg/Nm³)

Date	NAMP STATIONS								
	Rangpo, East District	Singtam, East District	Forest Secretariat, Deorali,(Gangtok) East Sikkim	Ravangla, South District	Namchi, South District	Pelling, West District	Chungthang, North District	Mangan, North district	NAAQS
17-10-2017(PRE DEPAWALI)	6.53	3.1	3.35	1.26	3.17	2.68	0.80	2.2	80
19-10-2017(DAY OF DEPAWALI)	5.03	1.2	2.68	1.86	4.73	2.69	0.66	1.7	80

NAAQS: National Air Ambient Quality standard

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