

Report on findings of Noise monitoring conducted by HP State Pollution Control Board for the year, 2024

The Himachal Pradesh State Pollution Control Board is regularly conducting ambient noise monitoring for different areas/zones at 87 selected locations in the State on a weekly basis, places where ambient noise has exceeded up to 5 times (day/night) during the year are not treated as hot spots from ambient noise pollution point of view. Further, it is evident from the Ambient noise level monitoring carried out by the State Board for the year, that the observed values are exceeding the prescribed standard, especially for silence zones in Kullu and Manali in day/night time and Bilaspur and Kinnaur (Rampur) in day time. In Manali, Bilaspur and Kullu, hospitals show values above the standard prescribed limit in the silence zone. Region-wise report of Noise monitoring results exceeding the prescribed norms under ambient noise monitoring data is enclosed in Annexure-A:

➤ Silence Zone

Standard Prescribed Limit in dB (A) for day time = 50 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 40 dB (A)

Sr. No.	Areas where monitoring results are above the standard prescribed limit in the Silence zone	Total No. of values above the standard prescribed limits for day and night time.
1	Manali	14 values in the day time & 43 values in the night time (conducted at one silence zone location).
2	Kullu	06 values in the day time & 48 values in the night time (conducted at one silence zone location).
3	Bilaspur	12 values in the day time & 03 values in the night time (conducted at four silence zone locations).
4	Shimla (Rampur)	09 values in the day time & 04 values in the night time (conducted at four silence zone locations).

➤ Residential Zone

Standard Prescribed Limit in dB (A) for daytime = 55 dB (A)

Standard Prescribed Limit in dB (A) for Nighttime = 45 dB (A)

Ambient noise level monitoring was carried out by the State Board for the year 2024 for residential zones and it was found that the observed values are exceeding the prescribed standard in Kullu, Manali, Bilaspur and Solan (Baddi).

Sr. No.	Areas where monitoring results are above the standard prescribed limit in the Silence zone	Total No. of values above the standard prescribed limits for day & night time.
1	Kullu	03 values in the day time & 06 values in the night time (conducted at one residential zone location).
2	Manali	09 values in the day time and 42 values at the night time (conducted at one residential zone location).
3	Bilaspur	11 values in the day time and 01 value at the night time (conducted at one residential zone location).
4	Solan (Baddi)	11 values in the day time and 01 value at the night time (conducted at one residential zone location).

➤ **Commercial Zone**

Standard Prescribed Limit in dB (A) for day time = 65 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 55 dB (A)

Ambient noise level monitoring was carried out by the State Board for the year 2024 for the Commercial zone and it was found that the observed values exceeded the prescribed standard in Manali and Bilaspur.

Sr. No.	Commercial Zone (Hot Spot) in HP as per Record of Ambient Noise monitoring for the year, 2023	Total No. of values above the standard prescribed limit For day Time=65dB(A) For Night Time=55 dB(A)
1	Manali	18 values in day time and 23 values in night time (conducted at one commercial zone location).
2	Bilaspur	10 values in night time (conducted at one commercial zone location).

➤ **Industrial Zone**

Standard Prescribed Limit in dB (A) for day time = 75 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 70 dB (A)

Ambient noise level monitoring was carried out by the State Board for the year 2024 for the Industrial zone and it was found that the observed values exceeded the prescribed standard for 4 values in day time in Manali.

ANNEXURE-A**Detail of Ambient Noise Monitoring during the year 2024 in Silence, Residential, Commercial & Industrial zones in day and night time**

Sr. No.	Name of District/City	Silence Zone Above the limit		Residential Zone Above the limit		Commercial Zone Above the limit		Industrial Zone Above the limit		Total
		Day	Night	Day	Night	Day	Night	Day	Night	
1	Chamba	-	-	-	-	-	-	-	-	-
2	Shimla	-	01	-	-	-	-	-	-	01
3	Sirmour (Paonta Sahib)	-	01	-	-	-	-	-	-	01
4	Kullu	06	48	03	06	-	01	-	-	64
5	Kullu (Manali)	14	43	09	42	18	23	04	-	153
6	Solan (Baddi)	-	-	-	09	-	01	-	-	10
7	Bilaspur	12	03	11	01	10	-	-	-	37
8	Kangra (Damtal)	-	-	-	-	-	-	-	-	-
9	Shimla (Rampur)	09	04	01	04	02	-	-	-	20
10	Una	02	02	-	-	-	-	-	-	04
11	Mandi (Sundernagar)	-	-	-	-	-	-	-	-	-
12	Solan (Parwanoo)	01	-	-	01	-	-	-	-	02
13	Solan (Nalagarh)	-	01	-	05	-	04	-	-	10
14	Kangra (Dharamshala)	-	-	-	-	-	-	-	-	-
Total		44	103	24	68	30	29	04	-	302

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➤ **Silence Zone**

Standard Prescribed Limit in dB (A) for day time = 50 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 40 dB (A)

Sr. No.	Areas where monitoring results are above the standard prescribed limit in the Silence zone	Total No. of values above the standard prescribed limits for day and night time.
1	Shimla	21 values in the day time (conducted at Twenty-five silence zone locations).
2	Kullu	10 values in the day time & 40 values in the night time (conducted at one silence zone location).
3	Manali	11 values in the day time & 36 values in the night time (conducted at one silence zone location).
4	Rampur	29 values in the day time (conducted at four silence zone locations).

➤ **Residential Zone**

Standard Prescribed Limit in dB (A) for daytime = 55 dB (A)

Standard Prescribed Limit in dB (A) for Nighttime = 45 dB (A)

Ambient noise level monitoring was carried out by the State Board for the year 2023 for residential zones and it was found that the observed values are exceeding the prescribed standard in Kullu and Manali.

Sr. No.	Areas where monitoring results are above the standard prescribed limit in the Silence zone	Total No. of values above the standard prescribed limits for day & night time.
1	Kullu	06 values in the day time & 07 values in the night time (conducted at one residential zone location).
2	Manali	05 values in the day time and 32 values at the night time (conducted at one residential zone location).

➤ **Commercial Zone**

Standard Prescribed Limit in dB (A) for day time = 65 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 55 dB (A)

Ambient noise level monitoring was carried out by the State Board for the year 2023 for the Commercial zone and it was found that the observed values exceeded the prescribed standard in Manali.

Sr. No.	Commercial Zone (Hot Spot) in HP as per Record of Ambient Noise monitoring for the year, 2023	Total No. of values above the standard prescribed limit For day Time=65dB(A) For Night Time=55 dB(A)
1	Manali	16 values in day time and 9 values in night time (conducted at one commercial zone location).

➤ **Industrial Zone**

Standard Prescribed Limit in dB (A) for day time = 75 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 70 dB (A)

Ambient noise level monitoring was carried out by the State Board for the year 2023 for the Industrial zone and found all locations have values within the prescribed limit.

ANNEXURE-A**Detail of Ambient Noise Monitoring during the year 2023 in Silence, Residential, Commercial & Industrial zones in day and night time**

Sr. No.	Name of District/City	Silence Zone Above the limit		Residential Zone Above the limit		Commercial Zone Above the limit		Industrial Zone Above the limit		Total
		Day	Night	Day	Night	Day	Night	Day	Night	
1	Chamba	-	-	-	-	-	-	-	-	-
2	Shimla	21	-	-	-	-	-	-	-	21
3	Sirmour (Paonta Sahib)	-	-	-	-	01	-	-	-	01
4	Kullu	10	40	06	07	03	01	-	-	67
5	Kullu (Manali)	11	36	05	32	16	09	-	-	109
6	Solan (Baddi)	-	-	-	10	-	1	-	-	11
7	Bilaspur	02	01	04	-	01	-	-	-	08
8	Kangra (Damtal)	-	-	-	-	-	-	-	-	-
19	Kinnaur (Rampur)	29	03	01	01	02	01	-	-	37
10	Una	-	03	-	-	-	01	-	-	04
11	Mandi (Sundernagar)	-	-	-	-	-	-	-	-	-
12	Solan (Parwanoo)	-	03	-	-	-	-	-	-	03
13	Solan (Nalagarh)	-	-	-	04	-	05	-	-	09
14	Kangra (Dharamshala)	-	-	-	-	-	-	-	-	-
Total		73	86	16	55	23	17	-	-	270

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➤ Silence Zone

Standard Prescribed Limit in dB (A) for day time = 50 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 40 dB (A)

Sr. No.	Areas where monitoring results are above the standard prescribed limit in Silence zone	Total No. of values above the standard prescribed limits for day & night time.
1	Shimla	18 values in day time (conducted at Twenty five silence zone locations).
2	Kullu	30 values in day time & 42 values in night time (conducted at one silence zone location).
3	Manali	08 values in day time & 42 values in night time (conducted at one silence zone locations).
4	Baddi	06 values in night time (conducted at one silence zone locations).
5	Nalagarh	06 values in night time (conducted at one silence zone locations).

➤ Residential Zone

Standard Prescribed Limit in dB (A) for day time = 55 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 45 dB (A)

Ambient noise level monitoring carried out by the State Board for the year 2022 for residential zone and found that the observed values are exceeding the prescribed standard in Kullu and Manali.

Sr. No.	Areas where monitoring results are above the standard prescribed limit in Silence zone	Total No. of values above the standard prescribed limits for day & night time.
1	Kullu	10 values in day time & 08 values in night time (conducted at one residential zone locations).
2	Manali	28 values in night time (conducted at one residential zone locations).

➤ **Commercial Zone**

Standard Prescribed Limit in dB (A) for day time = 65 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 55 dB (A)

Ambient noise level monitoring carried out by the State Board for the year 2022 for Commercial zone and found that the observed values are exceeding the prescribed standard in Kullu, Manali and Dharamshala.

Sr. No.	Commercial Zone (Hot Spot) in HP as per Record of Ambient Noise monitoring for the year, 2020	Total No. of values above the standard prescribed limit (2020) For day Time=65dB(A) For Night Time=55 dB(A)
1	Kullu	08 values in day time (conducted at one commercial zone locations).
2	Manali	06 values in night time (conducted at one commercial zone locations).
3	Dharamshala	06 values in day time (conducted at one commercial zone locations).

➤ **Industrial Zone**

Standard Prescribed Limit in dB (A) for day time = 75 dB (A)

Standard Prescribed Limit in dB (A) for Night time = 70 dB (A)

Ambient noise level monitoring carries out by the State Board for the year 2022 for Industrial zone and found all locations have values within the prescribed limit.

ANNEXURE-A**Detail of Ambient Noise Monitoring during the year 2022 in Silence, Residential, Commercial & Industrial zone in day and night time**

Sr. No.	Name of District/City	Silence Zone Above limit		Residential Above limit		Commercial Above limit		Industries Above limit	
		Day	Night	Day	Night	Day	Night	Day	Night
1	Chamba	04	01	04	04	-	-	-	-
2	Shimla	18	01	-	-	-	-	-	-
3	Sirmour (Paonta Sahib)	-	-	-	-	-	-	-	-
4	Kullu	30	42	10	08	08	03	-	-
5	Kullu (Manali)	08	42	04	28	05	06	-	-
6	Solan (Baddi)	01	06	-	03	-	02	-	-
7	Bilaspur	03	02	02	02	-	-	-	-
8	Kangra (Damtal)	-	-	-	-	-	-	-	-
19	Kinnaur (Rampur)	03	02	-	-	-	-	-	-
10	Una	01	02	-	-	-	-	-	-
11	Mandi (Sundernagar)	-	-	-	-	-	-	-	-
12	Solan (Parwanoo)	-	-	-	-	-	-	01	-
13	Solan (Nalagarh)	01	06	-	-	05	-	-	-
14	Kangra (Dharamshala)	01	-	-	-	06	-	-	-