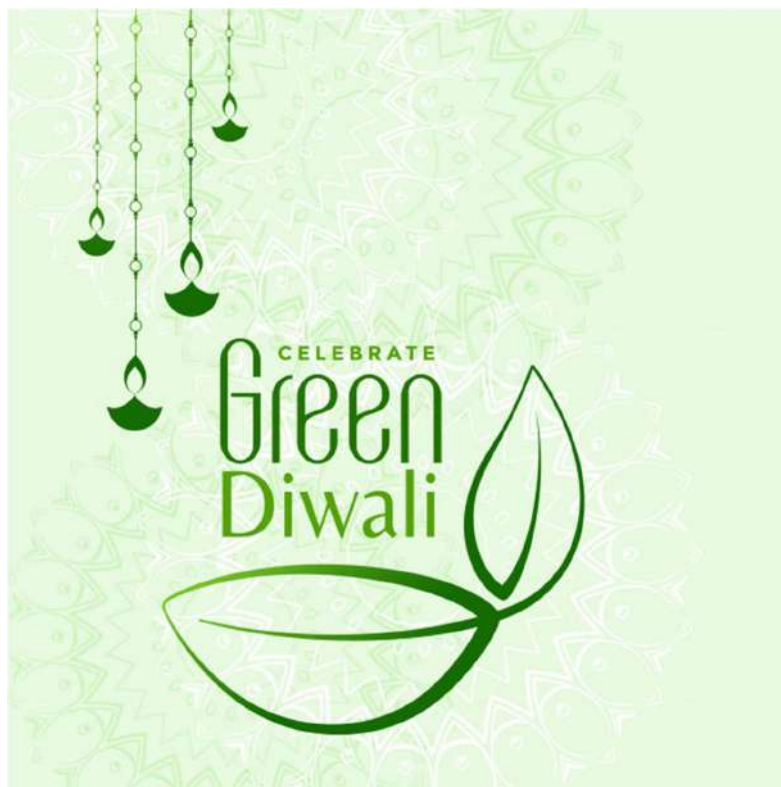


# **REPORT**

## **ON**

### **AMBIENT NOISE MONITORING**

### **DURING DIWALI FESTIVAL-2023**



**MAHARASHTRA POLLUTION CONTROL BOARD**

**Kalpataru Point, 3<sup>rd</sup> Floor, Sion (East), Mumbai-400022**

**Website: [www.mpcb.gov.in](http://www.mpcb.gov.in)**

**November- 2023**

## PREFACE

The vibrant celebration of Diwali, marked by the dazzling display of firecrackers, brings with it an immediate burst of impulsive noise at varied sound pressure levels, contributing to the menace of Noise Pollution. Prolonged exposure to such heightened sound levels poses potential risks to both human health and other living organisms. Recognizing the gravity of this issue, the Maharashtra Pollution Control Board (MPCB) consistently conducts an extensive noise monitoring study during the festival, aiming to assess the impact and correlate it with pollution abatement measures.

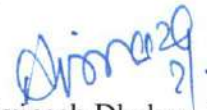


As part of its annual initiative, the MPCB undertook ambient noise monitoring at 158 locations across Maharashtra, encompassing 27 Municipal Corporations. This comprehensive study spanned three days, namely on 06th November (pre-Diwali), 12th November (Diwali – Laxmi Poojan), and 14th November (Post-Diwali), with continuous monitoring for 24 hours at each location. The selected sites included residential, commercial, and silence zones, providing a holistic view of the noise landscape. Notably, the highest noise levels were recorded on the festival day, specifically on 12th November 2023.

This report investigated into a comparative analysis of noise levels between the current year (2023) and the preceding year, shedding light on the evolving trends. The findings reveal an increase in noise levels at 120 locations, and a decrease at 38 locations on the festival day compared to the previous year. While there is a modest reduction in noise levels, it underscores the need for heightened efforts in raising awareness about the detrimental effects of noise pollution among the general public.

The MPCB expresses its gratitude to M/s Ashwamedh Engineers & Consultants, Nashik, for their valuable field study, as well as to all Regional Offices of the Board for their collaborative efforts in executing this study. The unwavering support extended by the State Police, Traffic Police, Media, and NGOs during the monitoring process is duly acknowledged. The entire study, from planning to coordination and report preparation, was pioneered by the Joint Director-Air Pollution Control, MPCB Board. Special appreciation is extended to Dr. V. M. Motghare and Mr. Prakash Jadhav for their noteworthy contributions to this endeavor.

November 2023

  
(Dr. Avinash Dhakne, I.A.S.)

Member Secretary

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## ACRONYMS

<b>CPCB</b>	Central Pollution Control Board
<b>dB</b>	Decibel
<b>dB(A)</b>	Decibels with “A” weighting
<b>EPA</b>	Environmental Protection Act, 1986
<b>Hz</b>	Hertz
<b>MPCB</b>	Maharashtra Pollution Control Board
<b>KHz</b>	Kilo Hertz
<b>L<sub>Aeq</sub></b>	Equivalent continuous A-weighted sound pressure level (dB)
<b>L<sub>max</sub></b>	Maximum sound pressure level (dB)
<b>L<sub>min</sub></b>	Minimum sound pressure level (dB)
<b>SPL</b>	Sound Pressure Level

## 1 INTRODUCTION

Diwali, a revered and much-anticipated festival celebrated with exuberance throughout India either in October or November, holds immense cultural and spiritual significance as it marks the advent of winter. Known colloquially as the "Festival of Lights," Diwali, or Deepavali, is deeply rooted in symbolism, representing the spiritual triumph of light over darkness, the victory of good over evil, and the ascent of knowledge over ignorance.

This festive extravaganza is notably characterized by the widespread use of firecrackers, which serve as vibrant symbols of joy and prosperity. While the introduction of novel fireworks adds a spectacular visual dimension with the creation of vibrant lights and gases, it also gives rise to immediate, impulsive noise across a spectrum of sound pressure levels. The sequential detonation of numerous crackers contributes to the formation of a continuous band of noise, not only impacting the ambient level in close proximity but also potentially exerting short-term and long-term effects on the environment, humans, plants, and animals.

The consequences of this excessive noise are particularly hazardous for human beings, given the delicate nature of the human ear with its naturally sensitive membrane. Exposure to noise surpassing the ear's capacity can lead to membrane damage, resulting in various associated issues such as hearing loss, heightened stress levels, elevated blood pressure, disturbances in sleep patterns, increased distraction, diminished productivity, and an overall decline in the quality of life with limited opportunities for tranquility. As a result, there is an urgent need to address and mitigate noise through a multifaceted approach, involving measurement, control, and strategic planning.

In recognition of this imperative, the Maharashtra Pollution Control Board (MPCB) has diligently undertaken a comprehensive study of ambient noise levels in the state of Maharashtra during the Diwali Festival for over 11 years, demonstrating a commitment to a sustained initiative. In the current year, the MPCB orchestrated meticulous ambient noise monitoring at 158 locations across 27 Municipal Corporations in Maharashtra over a three-day period during Diwali—specifically on 6th November (Pre-Diwali), 12th November (Laxmi Poojan, or Diwali), and 14th November (Post-Diwali). This involved continuous 24-hour monitoring at each location, encompassing diverse zones, including residential, commercial, and silence zones, emphasizing the board's dedication to preserving a harmonious and environmentally conscious celebration of this culturally significant festival.

## 1.1 Noise Level Measurement

Noise measurement is typically done using a sound level meter (SLM), which is a specialized device designed to quantify and assess the intensity of sound or noise. When conducting noise measurements, it's essential to follow established protocols to ensure accurate and representative results. Taking measurements from a tripod at a specific height and distance from the noise source is an important part of this process.

- a) **Stability:** Tripods provide stability to the sound level meter, ensuring that it remains steady during measurements. This is crucial for obtaining accurate and reliable results, as any movement or vibration can introduce errors in the measurements.
- b) **Height of Measurement:** It's common to take noise measurements at a height that corresponds to the average ear level of humans, which is typically about 1.2 to 1.5 meters (4 to 5 feet) above the ground. This height is chosen because it represents the typical position of a person's ears, making the measurements more relevant to human exposure.
- c) **Distance from the Source:** When measuring noise, it's a good idea to set up your equipment about 10-13 feet away from the noisy thing you're checking. This distance is chosen because it helps us get a sense of how loud the noise is over an entire area, instead of just right next to the noisy thing itself. It's like stepping back from a speaker at a concert to get a better idea of how loud the music is in the whole room, rather than right next to the speaker where it's super loud.
- d) **Safety:** When measuring noise levels at a close distance to a very loud source, the sound level meter could be damaged, and the person taking measurements could be at risk of hearing damage. Maintaining a safe distance ensures the equipment's longevity and the safety of the operator.

In some cases, such as industrial noise assessments, measurements may be taken at specific locations where people are likely to be exposed to noise. The measurements may be taken at ear level, closer to the source, or farther away depending on the specific circumstances and regulations governing noise exposure.

Ultimately, the choice of measurement height and distance from the source depends on the objectives of the measurement and the specific standards and guidelines being followed. Accurate and consistent measurements are essential for assessing and mitigating the impact of noise on human health and the environment.

**Noise is measured in decibels (dB):** A decibel is the standard for the measurement of noise. The zero on a decibel scale is at the threshold of hearing, the lowest sound pressure that can be heard. According to D.B. Smith, 20 dB is whisper, 40 dB is quiet office, 60 dB is normal conversation and 80 dB is the level at which sound becomes physically painful.

**Decibels (dBA):** ‘A’ symbol indicates a measurement of a logarithmic scale. In each case, the actual measurement ‘a’ is compared to a fixed reference level ‘r’ and the “decibel” value is defined to be  $10 \log_{10} (a/r)$ . ‘A’ weighing filters out lower frequencies very severely. Fast responses closely match to the simulations of Human ear sensitivity.

**Leq (Equivalent Continuous Sound Level):** Leq is the preferred method to describe sound levels that vary over time, resulting in a single decibel value that takes into account the total sound energy over the period of time of interest.

Leq - equivalent continuous sound level: Sound levels often fluctuate over a wide range with time. For example, in the middle of the night, the level might go down as low as 30dB(A) with occasional passing vehicles of 70dB(A) or more. Later comes the dawn chorus followed by the general noises of the day before relative peace returns in the late evening.

Alternatively, it may be a festival location with different noise emissions (for eg, DJs, Dhols, music, firecrackers, etc.) throughout the day or week, with deliveries, intermittent compressors, and lots of varying noisy processes on top of the routine production noise levels. How do you measure these noise levels and come up with an overall value?

This is where the Leq or equivalent continuous Sound level or an average value of sound comes. When we say average, this is not a simple arithmetic average because we are measuring in decibels which are logarithmic values. So the sound level meter converts the dB values to sound pressure levels, adds them all up then divides by the number of samples and finally converts this equivalent level back to decibels - dBs.

**L<sub>max</sub>:** It is the highest *time-weighted* sound level measured by the meter during a given period of time (the maximum of the output of the time-weighted **sound level equation** above). The time constant used can be fast or slow

**L<sub>min</sub>:** It is the lowest *time-weighted* sound level measured by the meter over a given period of time (the minimum of the output of the time weighted **sound level equation** above). Just like for L<sub>max</sub>, the value is based on the time weighted sound level in dB. The time constant used can be fast or slow.

### **Noise Pollution (Regulation and Control) Rules, 2000**

The Noise Pollution (Regulation and Control) Rules, 2000 govern each type of noise pollution (Annexure. Prior to this, noise pollution and its causes were addressed by the Air (Prevention and Control of Pollution) Act of 1981.

- On February 14, 2000, the Union Government passed the Noise Pollution (Regulation and Control) Rules, 2000 in an effort to reduce the increasing ambient noise level coming from diverse sources in public areas. According to the authority granted to it by the Environment (Protection) Act of 1986, this was done.
- As stated in Rule 5 of the Noise Rules 2000, the use of loudspeakers and public address systems is restricted.
- Rule 5 was altered in 2010 to forbid the use of sound-producing equipment. Before using this technology in any of these situations, written consent is necessary.
- The District Magistrate, Police Commissioner, and any other person not below the level of Deputy Superintendent of Police are designated as the Noise Rules, 2000's implementing authorities.
- The State Government has the power to permit the use of loudspeakers on or during any annual religious or cultural celebration with a maximum duration of fifteen days. The hours between 10:00 p.m. and 12:00 a.m. are not suitable for such recreation.

## 2 OBJECTIVES

The ambient noise quality was monitored during Diwali-2023 by the MPCB all over the Maharashtra with the following objectives:

- To measure the ambient noise levels for day and night time during Diwali at various days viz. pre-diwali, on Diwali and post-diwali.
- To compare this year's ambient noise levels with the previous year's noise levels during Diwali period.
- To examine the status and trend of ambient noise levels over the years and develop the noise level database during Diwali period.
- To increase the public awareness about the ill effects of spike of ambient noise levels during Diwali.



### 3 METHODOLOGY

The monitoring was carried out for three days considering the noise that generate due to bursting of firecrackers during the festival. For this, continuous noise monitoring for 24hours was carried out on 6th November (Pre-Diwali), 12<sup>th</sup> November (on Diwali) and 14<sup>th</sup> November 2023 (Post-Diwali). The monitoring was carried out using calibrated Sound Level Meters (Type II).

#### 3.1 Ambient Noise Monitoring Locations

Maharashtra is the third largest state of India. It covers an area of 307,713km<sup>2</sup> and constitutes 9.36 percent of India's total geographical area. The State lies between 15°35' N to 22°02' N altitude and 72°36' E to 80°54' E longitude.

The ambient noise monitoring was carried out during Diwali at 158 locations covering 27 Municipal Corporation of Maharashtra. The detailed number of noise monitoring locations in different Municipal Corporations all over Maharashtra is provided in **Table 3.1** below:

**Table 3.1: Ambient Noise Monitoring Locations in Maharashtra during Diwali 2023**

<b>Sr.</b>	<b>Municipal Corporation</b>	<b>Number of locations</b>
1.	a) Mumbai South	15
	b) Mumbai Western Suburbs	15
	c) Mumbai Eastern Suburbs	15
2.	Navi Mumbai	09
3.	Thane	05
4.	Pune	11
5.	Nashik	05
6.	Aurangabad	05
7.	Nagpur	10
8.	Kalyan	03
9.	Amravati	03
10.	Jalgaon	03
11.	Kolhapur	05
12.	Sangli	03
13.	Mira – Bhayander	03
14.	Vasai – Virar	03
15.	Ulhasnagar	03
16.	Bhiwandi – Nizampur	03
17.	Chandrapur	03
18.	Nanded – Waghala	03
19.	Ahmednagar	03
20.	Dhule	03
21.	Malegaon	03
22.	Pimpri – Chinchwad	03
23.	Parbhani	03
24.	Latur	03
25.	Akola	03
26.	Solapur	03
27.	Panvel	03
28.	Badlapur	03
29.	Jalna	03
<b>Total No. of Locations</b>		<b>158</b>

### 3.2 Ambient Noise Monitoring and Data Analysis

The noise level data was collected using precalibrated Type-II Sound Level Meters (SLM) and the instantaneous noise levels were measured with the A-weighted FAST filter. The instrument was mounted on a tripod stand at a height of 1.5 meters from the ground. To minimize the effect of wind, the windball was used. Data is logged at an interval of 1 second. The SLM records the sound pressure level (SPL) in decibels (dB).

From these recorded readings, the equivalent steady sound pressure level of a noise energy-averaged over time is calculated as  $L_{eq}$  using the following equation:

$$L_{eq,T} = 10 \log \left( 1/n \sum_{i=1}^n 10^{\frac{L_i}{10}} \right)$$

Where,

$L_i$  = noise level in dB

$n$  = number of observations at an equally spaced time interval

$T$  = Time

The maximum ( $L_{max}$ ), minimum ( $L_{min}$ ),  $L_{90}$ ,  $L_{50}$  and  $L_{10}$  SPL values were also calculated. All the results are further compared with the last year's results also. All the results were compared with Standards of Noise Levels under EPA (1986): Noise Pollution (Regulation & Control) Rules, 2000 by Central Pollution Control Board (CPCB).

The detailed list of locations is given in **Annexure I**.

## 4 RESULTS

The study reveals that the overall ambient noise levels elevated this year at most of the locations due to the bursting of firecrackers. The highest noise levels were observed during Diwali day i.e. on 12<sup>th</sup> November at most of the locations and exceeding the standard limits of its category (residential, commercial and silence zone). The detailed locationwise results of the study is presented in the below given tables and charts:

### 4.1 Mumbai

In Mumbai a total of 45 locations were monitored viz. 15 locations in Mumbai South, 15 locations in Mumbai Western Suburbs and 15 locations in Mumbai Eastern Suburbs.

#### 4.1.1 Mumbai South

In Mumbai South, a total of fifteen locations were monitored. On 6th November, the highest noise level during day time was observed at Girgaon - Metro Cinema with 87.0 dB(A) and during night time was observed at Byculla - Church (W) with 71.4 dB(A). On the day of Laxmi poojan i.e. on 12th November, the equivalent noise level during day time and night time was observed highest at Dadar - Shivaji Park with 86.5 dB(A) and 80.9 dB(A) respectively. On the day of Post Diwali, 14th November, the equivalent noise level during day time was observed at Kamathipura - Kamathipura with 82.0 dB(A) and during night time at Dadar - Shivaji Park with 77.5 dB(A).

**Table 4.1: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Mumbai**

Pre-Diwali (6th November 2023) – MUMBAI SOUTH												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Colaba	74.7	30.8	89.4	77.8	66.9	49.0	70.0	49.0	79.7	76.5	59.8	54.2
Mantralaya	74.0	43.9	87.3	78.2	68.4	56.9	67.1	41.5	81.2	69.1	58.5	48.1
Mazgaon	78.4	54.1	87.3	82.2	72.9	62.0	69.6	31.4	84.2	71.3	54.1	37.7
Girgaon	87.0	59.8	93.6	90.8	84.1	68.7	65.8	57.8	72.9	69.4	62.9	59.3
Worli	82.0	30.1	94.4	86.8	68.0	54.9	56.9	47.5	65.0	60.0	54.5	50.5

Pre-Diwali (6th November 2023) – MUMBAI SOUTH												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Prabhadevi	60.3	45.9	71.8	63.5	56.5	51.7	58.4	44.8	70.0	60.9	52.2	47.2
Mahim	72.6	41.6	83.5	76.4	68.5	60.4	68.8	50.5	79.0	73.2	60.4	53.3
Parel	66.6	51.3	82.2	69.0	63.0	55.8	63.2	42.8	77.3	67.5	49.7	44.2
Byculla	74.7	60.8	82.2	78.8	72.4	66.3	71.4	46.6	81.2	76.9	60.7	49.5
Dadar	71.9	54.8	83.9	75.1	67.0	59.6	67.6	43.2	80.4	70.7	61.2	51.9
Sion	63.0	41.8	77.0	65.8	56.8	52.5	67.7	50.0	81.2	59.5	55.1	51.1
Hindu Colony	74.7	60.8	82.2	78.8	72.4	66.3	71.4	46.6	81.2	76.9	60.7	49.5
Matunga	82.5	37.8	99.2	84.9	64.1	49.4	68.2	33.3	79.4	70.8	61.2	47.2
Kamathipura	74.6	54.5	87.6	78.7	70.3	61.5	68.1	51.9	75.4	70.6	65.4	56.2
Malabar Hills	77.4	54.9	87.7	81.6	71.9	63.4	67.9	50.5	78.1	72.5	60.2	54.2

Diwali (12th November 2023) – MUMBAI SOUTH												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Colaba	85.4	56.5	94.2	89.5	81.1	70.3	79.3	49.0	91.7	82.8	59.8	54.2
Mantralaya	77.4	48.2	88.9	82.2	68.4	55.2	66.3	48.3	77.3	70.0	61.4	51.5
Mazgaon	64.2	50.3	72.2	67.6	62.4	54.7	69.7	32.2	84.2	71.3	58.3	49.2
Girgaon	77.0	60.5	86.8	79.8	76.2	68.8	74.0	59.0	79.8	78.5	70.2	64.0
Worli	81.9	60.7	89.7	85.9	78.8	68.9	73.7	50.3	87.3	78.0	57.7	52.6

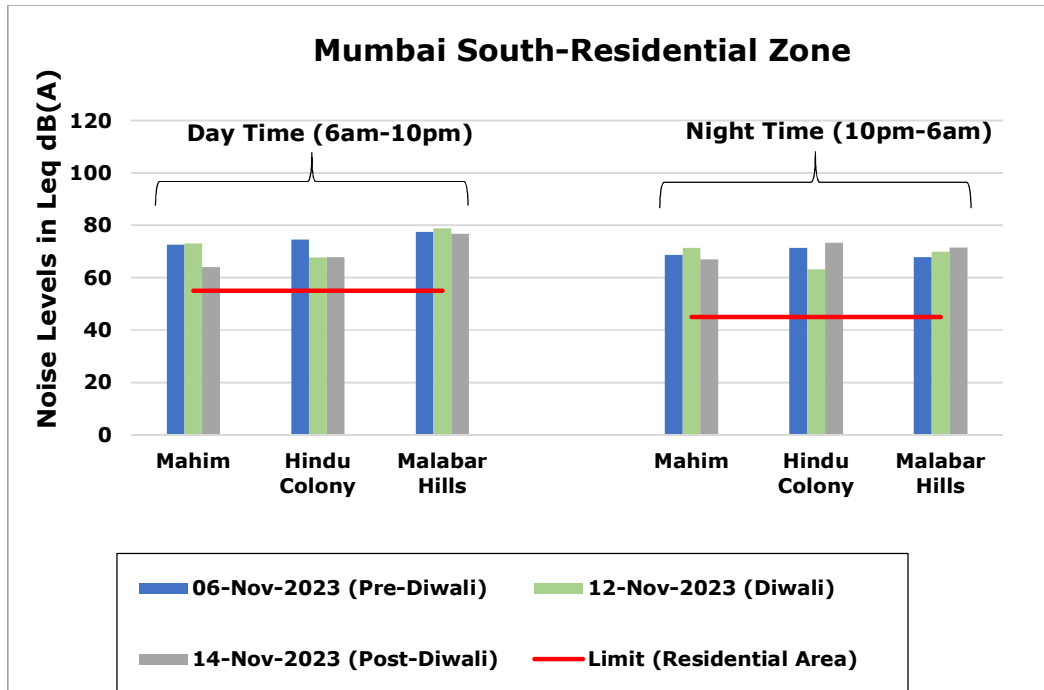
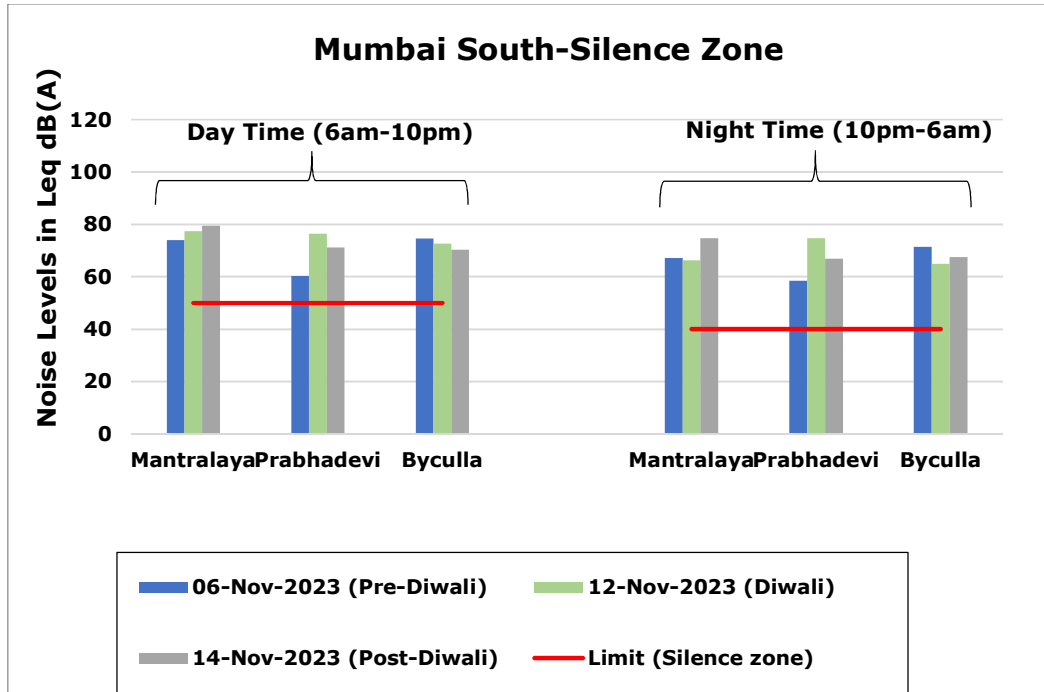
Diwali (12th November 2023) – MUMBAI SOUTH												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Prabhadevi	76.4	40.2	94.3	75.7	66.4	59.3	74.7	49.9	85.3	80.9	63.9	53.2
Mahim	73.2	60.1	81.1	76.8	69.9	62.2	71.4	60.3	80.1	76.7	64.8	61.9
Parel	83.6	51.3	97.1	88.6	70.0	59.2	72.2	43.2	86.0	74.9	55.2	46.1
Byculla	72.7	60.4	87.6	74.9	69.2	63.6	64.9	53.3	73.2	69.0	62.1	57.1
Dadar	86.5	62.1	104.6	90.0	73.6	66.2	80.9	49.2	92.4	84.7	75.6	62.9
Sion	71.6	60.4	86.1	73.6	69.1	63.9	66.9	52.0	76.1	70.2	63.7	58.1
Hindu Colony	67.7	50.3	74.5	70.8	66.7	60.7	63.2	46.4	69.2	67.8	59.5	50.6
Matunga	79.2	50.4	90.6	82.6	71.1	59.9	78.1	55.6	90.5	80.2	69.8	60.8
Kamathipura	74.6	54.5	87.6	78.7	70.3	61.5	68.1	51.9	75.4	70.6	65.4	56.2
Malabar Hills	78.8	60.9	89.9	82.7	74.1	65.8	69.9	52.5	79.0	73.9	63.6	57.5

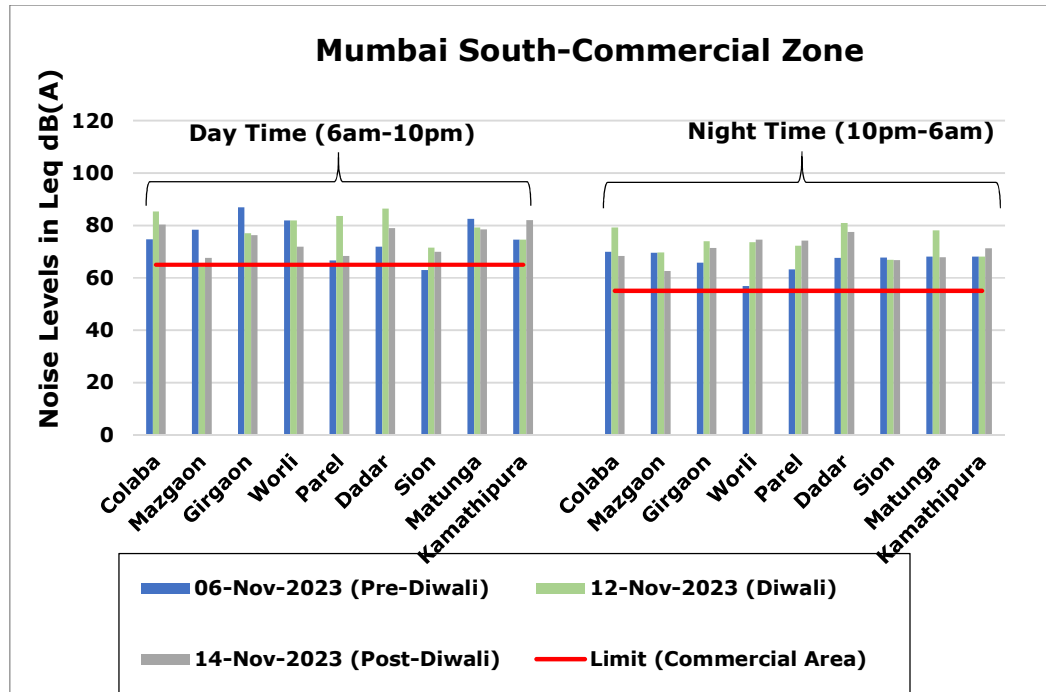
Post-Diwali (14th November 2023) – MUMBAI SOUTH												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Colaba	80.3	54.8	89.9	85.0	74.8	64.9	68.4	41.1	80.1	73.1	59.7	51.0
Mantralaya	79.4	58.9	89.2	82.9	77.7	67.8	74.8	34.2	86.7	79.7	64.3	53.1
Mazgaon	67.5	47.3	75.5	71.6	63.7	57.4	62.6	50.2	72.3	65.9	60.1	55.1
Girgaon	76.3	60.6	82.7	78.9	75.7	69.5	71.4	59.3	79.5	75.5	67.0	62.5



Post-Diwali (14th November 2023) – MUMBAI SOUTH												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Worli	71.9	54.8	83.9	75.1	67.0	59.6	74.6	34.2	86.5	79.7	62.5	51.9
Prabhadevi	71.2	53.8	83.0	74.8	66.6	61.4	67.0	52.1	79.9	69.0	60.3	54.2
Mahim	64.1	50.3	72.2	67.4	62.2	54.7	67.0	50.5	78.1	69.5	63.1	56.3
Parel	68.4	47.1	81.7	71.3	63.4	55.1	74.3	41.3	92.0	70.0	56.5	43.9
Byculla	70.4	54.5	78.5	74.2	68.4	60.2	67.5	50.2	78.4	71.4	58.9	53.3
Dadar	79.0	54.5	97.3	81.1	69.4	59.9	77.5	47.6	89.3	82.5	66.0	55.1
Sion	70.0	59.8	77.9	74.1	68.7	63.3	66.8	55.5	77.9	68.1	63.5	57.0
Hindu Colony	67.8	50.3	74.5	70.8	66.6	60.7	73.4	56.4	86.7	75.5	68.5	60.8
Matunga	78.5	52.3	92.7	80.9	69.8	59.6	67.9	52.4	79.4	70.2	62.7	56.7
Kamathipura	82.0	61.8	93.1	85.2	78.9	69.8	71.3	53.7	81.6	75.7	65.8	58.4
Malabar Hills	76.9	57.3	87.7	80.3	70.1	62.3	71.5	50.5	84.6	75.5	60.4	53.3

Chart 4.1.1: Ambient Noise Levels during Diwali Festival-2023 in Mumbai South





### 4.1.2 Mumbai Western Suburbs

In Mumbai Western Suburbs, a total of fifteen locations were monitored. On 6th November, the highest equivalent noise level during day and night time both was observed at Kandivli (E) - Station Road with 73.2 dB(A) and 70.6dB(A). On 12th November, the highest equivalent noise level during day time was observed at Goregaon with 84.4 dB(A) and during night time was observed at Sahar - Near Lila Pinta 77.4dB(A) during night time. However, on 14th November, the highest equivalent noise level during day and night time was observed at Kandivali east with 81.1 dB(A) and 78.0 dB(A).

**Table 4.1.2: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Mumbai**

Pre-Diwali (6th November 2023) – MUMBAI WESTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Sahar	76.2	52.3	95.2	76.6	70.3	65.4	63.7	50.1	73.9	69.2	56.3	52.5
Santacruz (E)	66.1	51.0	73.8	70.7	62.6	57.1	60.1	45.0	70.0	63.5	57.1	48.2
Vile Parle	69.0	56.0	76.5	72.1	68.1	61.8	62.8	51.0	68.5	66.0	62.1	55.5
Bandra	72.9	54.9	89.4	75.5	66.9	59.4	61.6	50.2	69.9	66.2	59.2	53.9
Goregaon	72.1	54.0	88.2	75.0	64.2	59.0	60.0	50.0	69.0	63.3	58.2	53.2
Jogeshwari	70.4	54.4	80.0	73.5	67.5	59.5	62.4	50.5	70.5	64.5	59.5	56.0
Versova	67.8	52.5	75.4	70.2	66.8	59.4	70.9	49.4	89.0	67.3	63.0	54.4
Marve	70.8	48.5	88.2	73.2	67.3	60.2	63.2	50.4	72.5	66.6	60.1	55.0
Borivali East	72.4	51.4	88.1	73.4	67.2	60.1	65.4	50.4	78.2	67.4	59.4	55.4
Borivali West	72.6	50.4	88.2	75.2	67.4	60.2	62.0	52.5	70.5	67.1	59.2	53.4
Dindoshi	72.5	53.4	89.2	73.5	67.4	60.2	63.3	53.0	75.5	66.7	59.4	54.4
Kandivali (E)	77.8	44.4	89.7	80.7	75.5	65.5	73.2	51.2	86.0	77.4	67.6	56.8

Pre-Diwali (6th November 2023) – MUMBAI WESTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Dahisar (E)	70.2	49.1	80.0	73.1	68.1	59.2	62.3	50.2	70.5	68.2	57.8	52.2
Juhu	77.6	50.4	90.5	80.4	68.1	60.1	64.5	48.0	78.1	68.0	58.2	52.7
Malad (W)	71.1	40.6	82.5	75.2	65.2	57.2	71.0	50.5	78.3	74.9	68.2	60.6

Diwali (12th November 2023) – MUMBAI WESTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Sahar	81.5	62.9	97.6	83.4	75.8	70.9	77.4	50.5	89.7	79.8	63.8	57.5
Santacruz (E)	78.4	49.9	89.6	82.6	72.8	65.5	73.0	42.9	83.6	78.5	59.6	49.1
Vile Parle	80.3	59.6	95.6	84.5	75.5	65.5	76.4	52.3	88.8	82.6	63.2	59.3
Bandra	77.9	49.3	89.9	80.5	74.6	65.6	73.4	52.8	82.9	79.3	66.7	59.9
Goregaon	84.4	60.5	95.9	89.3	80.1	69.4	76.9	52.8	90.5	79.5	62.0	57.2
Jogeshwari	80.7	52.8	99.6	81.5	72.9	65.5	75.4	52.9	82.9	78.8	69.7	59.9
Versova	83.2	59.3	99.8	84.3	73.7	63.6	72.0	50.9	82.9	77.7	59.6	52.8
Marve	77.9	52.3	89.6	82.5	72.9	67.8	73.9	52.3	82.9	77.6	69.6	62.8
Borivali East	76.6	53.8	85.8	80.0	72.6	62.8	74.0	52.6	84.9	76.1	69.3	62.2
Borivali West	79.7	58.9	89.9	82.9	75.6	65.5	76.1	45.5	88.6	79.9	64.3	53.2
Dindoshi	78.1	52.8	85.9	82.8	75.3	65.3	73.1	52.3	84.5	75.9	62.3	57.8

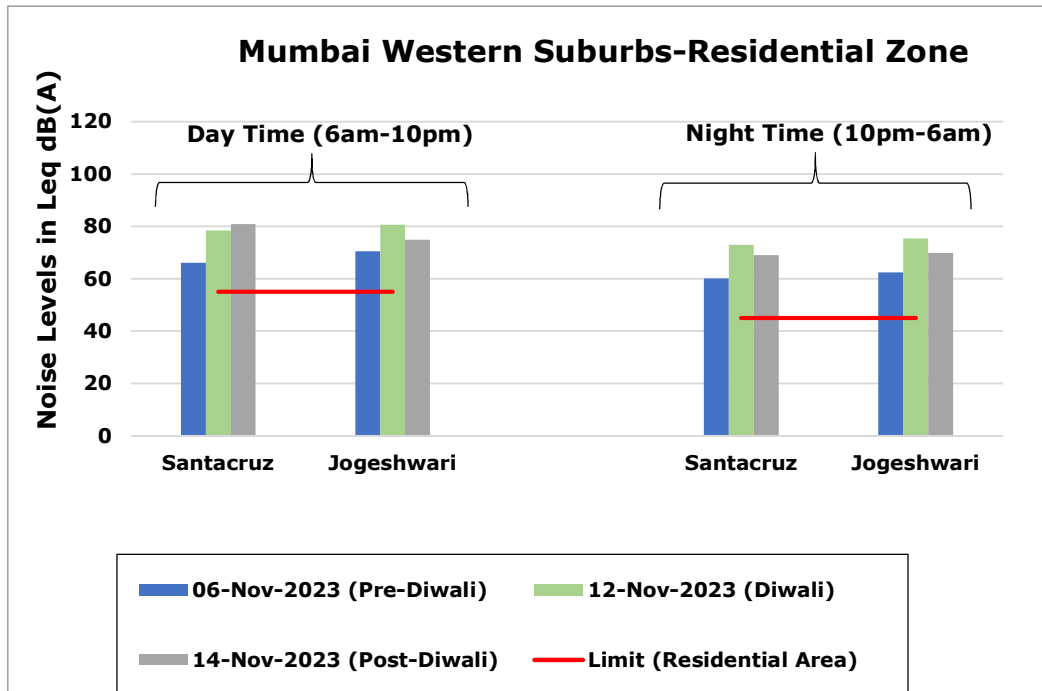
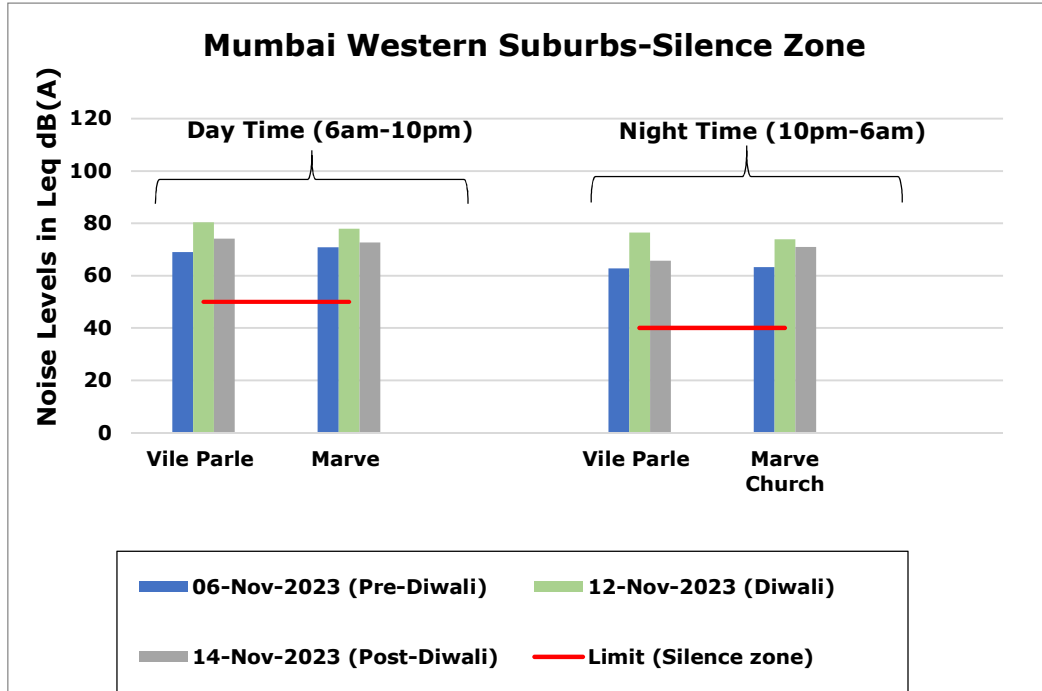
Diwali (12th November 2023) – MUMBAI WESTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Kandivali (E)	81.9	62.1	94.4	86.1	79.5	68.9	74.5	52.0	88.1	78.6	68.3	59.3
Dahisar (E)	80.1	57.6	89.9	83.9	75.5	65.8	72.8	52.3	82.6	75.9	65.3	59.5
Juhu	79.0	50.5	85.9	83.6	75.6	57.6	74.8	47.3	85.6	78.9	61.3	50.9
Malad (W)	82.7	46.2	95.6	87.2	68.9	55.5	64.5	47.6	74.1	68.3	62.3	57.7

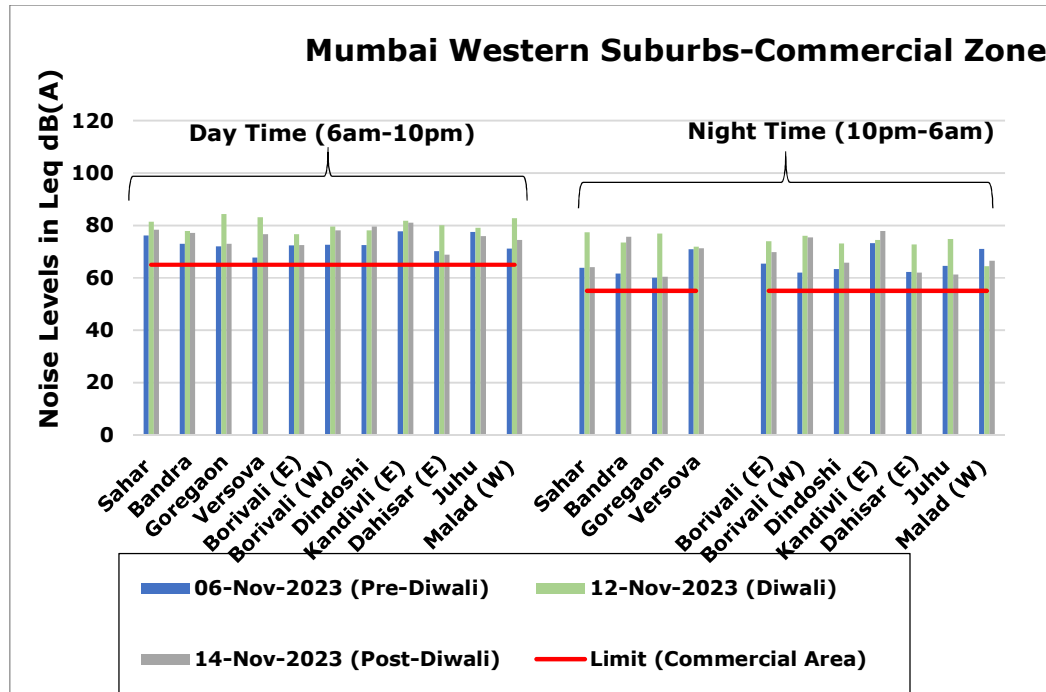
Post-Diwali (14th November 2023) – MUMBAI WESTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Sahar	78.3	32.8	85.8	80.3	77.6	70.3	64.1	42.9	75.6	69.5	52.9	47.6
Santacruz (E)	80.9	55.9	95.6	85.5	75.6	67.3	68.9	42.9	80.5	72.8	55.8	47.8
Vile Parle	74.1	59.6	85.9	75.9	69.9	63.8	65.7	52.3	75.9	69.6	62.9	59.3
Bandra	77.1	53.8	89.9	79.8	70.3	62.8	75.8	51.3	89.3	79.3	70.2	59.8
Goregaon	73.0	52.5	89.3	75.3	63.8	59.6	60.5	50.5	69.5	63.6	59.5	52.3
Jogeshwari	75.0	55.3	85.8	75.9	70.6	62.8	69.8	50.9	85.5	70.9	60.3	55.9
Versova	76.6	59.5	89.9	80.5	72.3	65.9	71.2	50.6	80.6	74.1	65.4	59.3
Marve	72.6	59.3	80.3	75.8	69.9	63.9	71.1	30.9	85.8	72.9	55.9	47.6
Borivali East	72.5	53.8	80.6	77.3	71.7	62.5	69.9	43.8	78.8	73.6	67.3	57.8
Borivali West	78.2	55.8	85.9	82.6	73.5	63.8	75.5	57.5	89.8	79.6	69.6	61.7



Post-Diwali (14th November 2023) – MUMBAI WESTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Dindoshi	79.6	52.6	89.9	82.7	73.3	62.9	65.9	47.9	79.8	69.3	59.7	52.2
Kandivali (E)	81.1	57.2	88.9	86.3	78.4	67.8	78.0	51.2	89.4	79.2	69.4	58.5
Dahisar (E)	68.9	42.5	80.5	70.9	63.6	57.8	62.1	50.3	70.8	65.3	57.9	52.8
Juhu	76.0	50.9	90.6	80.6	62.9	55.3	61.3	50.9	72.3	63.9	53.9	51.5
Malad (W)	74.4	42.8	84.8	78.5	70.2	56.2	66.5	54.7	76.1	70.1	63.4	58.4

**Chart 4.1.2: Ambient Noise Levels during Diwali Festival - 2023 in Mumbai**  
Western Suburbs





### 4.1.3 Mumbai Eastern Suburbs

In Mumbai Eastern Suburbs, a total of fifteen locations were monitored. On 6th November, the highest equivalent noise level during day time and night time was observed at Dharavi with 81.8 dB(A) and 70.7 dB(A) respectively. On 12th November, the highest equivalent noise level during day was observed at Dharavi with 80.4 dB(A) and during night time at Sewree with 85.4dB(A) respectively. However, on 14th November, the highest equivalent noise level during day time was observed at Dharavi with 78.2 dB(A) and during night time was observed at Sewree with 84.3 dB(A).

**Table 4.1.3: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Mumbai**

Pre-Diwali (6th November 2023) – MUMBAI EASTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
<b>Chembur (E)</b>	57.9	34.4	73.7	60.1	53.5	43.2	53.6	34.4	62.1	57.9	50.2	42.4
<b>Trombay</b>	70.0	51.3	77.9	75.2	65.2	56.8	69.4	55.9	79.3	72.4	66.6	59.5
<b>Kurla</b>	70.2	55.3	77.9	73.4	68.6	64.3	59.4	47.8	70.4	62.8	54.9	50.4
<b>Ghatkopar East</b>	75.2	60.0	89.7	78.8	71.2	64.4	55.0	42.1	60.7	58.9	52.6	44.7
<b>Ghatkopar West</b>	75.3	57.2	89.7	78.8	71.3	64.2	66.2	45.4	80.0	69.7	58.1	50.2
<b>Mulund East</b>	75.3	55.2	83.6	79.8	71.6	62.9	68.0	51.6	77.9	71.5	64.3	57.5
<b>Mulund West</b>	70.9	55.8	78.5	75.2	68.5	60.4	68.5	49.6	78.9	74.7	59.0	53.4
<b>Sakinaka</b>	75.4	54.2	87.6	80.0	70.2	60.0	67.7	45.3	76.5	72.8	57.7	50.0
<b>Powai</b>	69.4	46.6	79.8	71.8	68.6	60.0	64.7	54.2	79.0	64.9	60.4	58.4
<b>Wadala</b>	71.8	43.7	79.5	75.8	69.8	61.9	65.2	51.3	79.3	68.3	59.7	52.8
<b>Dharavi</b>	81.8	47.6	96.5	85.6	74.7	66.8	70.7	44.8	84.2	74.7	59.7	48.3

Pre-Diwali (6th November 2023) – MUMBAI EASTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Sewree	79.1	49.0	96.5	81.1	64.2	58.7	63.9	50.0	71.5	68.2	61.7	58.1
Kalina	68.9	53.3	80.1	72.4	65.4	59.4	61.9	50.0	69.0	65.0	60.5	55.9
Vikhroli (W)	79.0	46.6	97.1	66.8	60.1	55.8	53.4	30.3	62.7	58.6	46.2	34.5
Bhandup (W)	68.4	54.1	76.5	73.3	64.2	58.7	66.3	44.2	76.5	72.6	57.5	52.2

Diwali (12th November 2023) – MUMBAI EASTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Chembur (E)	57.4	39.8	70.4	60.4	54.3	49.0	59.4	45.3	67.8	63.0	56.2	50.3
Trombay	76.8	43.7	83.9	80.6	74.8	56.1	69.4	55.4	75.2	72.9	68.8	60.6
Kurla	70.3	50.7	79.6	73.5	67.4	60.8	64.8	47.4	76.3	68.8	57.4	51.3
Ghatkopar East	74.1	57.8	83.4	78.5	70.3	63.4	73.1	60.0	79.4	77.5	70.3	64.1
Ghatkopar West	74.4	50.0	81.3	79.1	70.2	62.3	71.9	43.8	82.3	76.8	63.3	51.8
Mulund East	75.3	58.1	83.9	80.0	71.6	64.5	69.4	51.6	84.5	70.1	62.8	59.1
Mulund West	73.6	60.0	79.9	77.3	71.5	65.9	64.5	44.6	77.8	67.9	57.9	49.7
Sakinaka	75.5	59.3	83.1	80.1	71.4	63.5	68.0	45.3	78.3	72.6	58.2	50.0
Powai	79.4	62.3	94.3	80.9	75.5	69.5	76.9	52.5	93.6	79.0	59.8	53.6

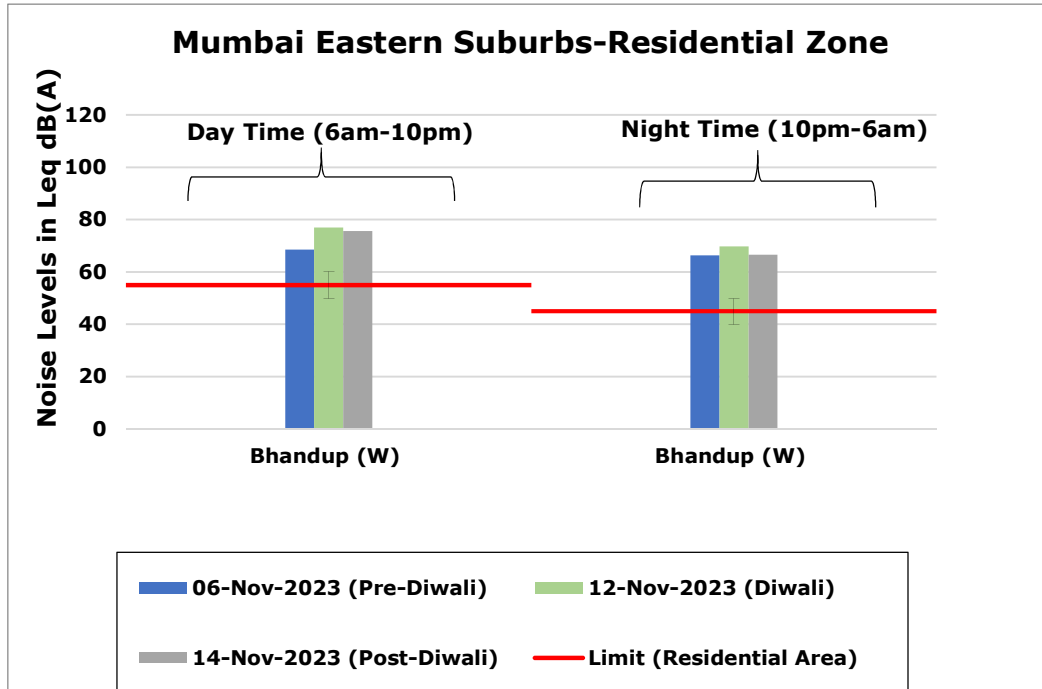
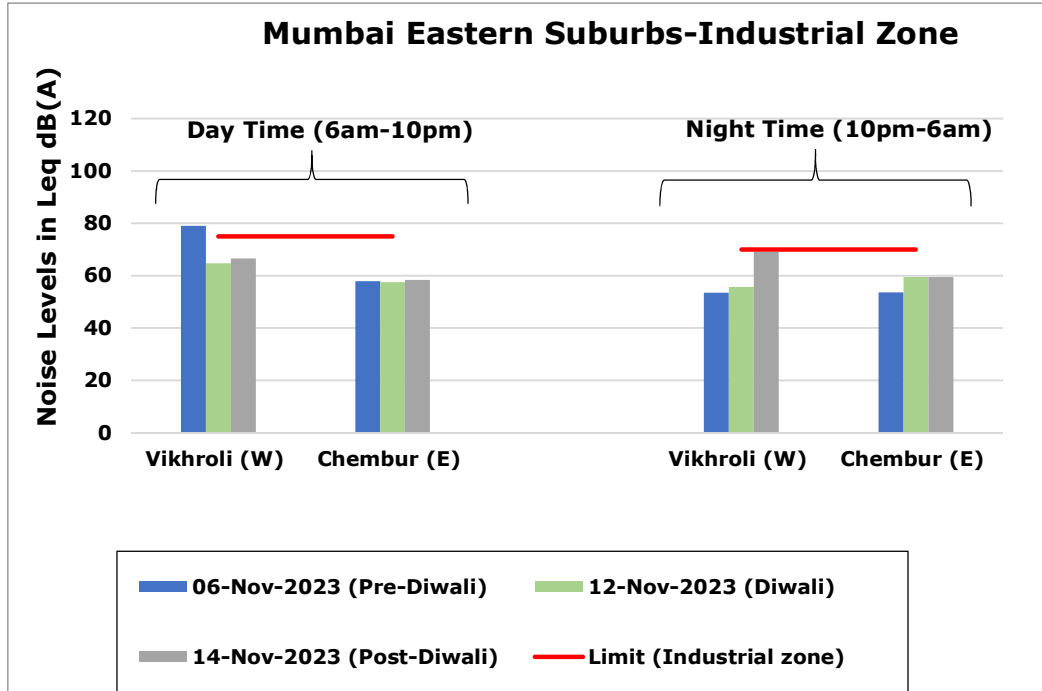
Diwali (12th November 2023) – MUMBAI EASTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Wadala	71.8	43.7	79.5	75.8	69.8	61.9	65.2	51.3	79.3	68.3	59.7	52.8
Dharavi	80.4	59.6	95.2	81.9	72.2	65.2	73.7	44.8	89.4	75.8	66.5	50.3
Sewree	72.3	48.2	87.4	72.1	63.9	55.6	85.4	52.1	101.0	88.9	70.0	58.1
Kalina	78.0	62.3	89.8	82.6	73.1	65.5	71.7	50.0	84.9	75.3	62.4	55.9
Vikhroli (W)	64.7	40.9	82.9	65.2	58.6	50.5	55.7	30.3	67.7	58.6	50.0	38.1
Bhandup (W)	77.0	52.3	87.8	82.5	72.3	60.0	69.8	52.0	79.9	75.6	59.6	52.9

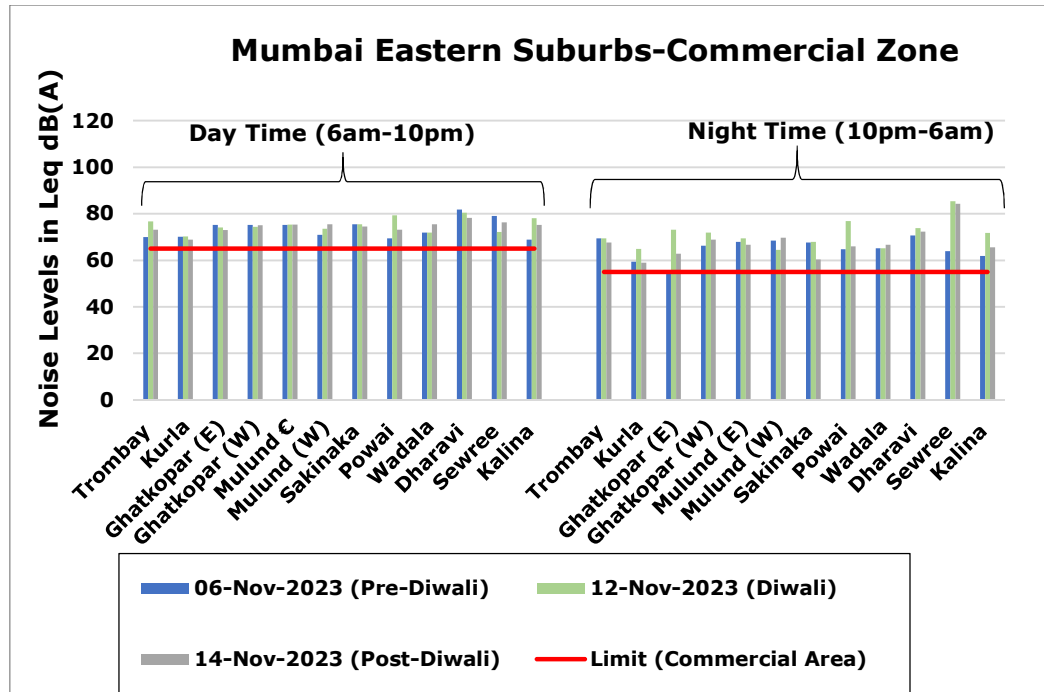
Post-Diwali (14th November 2023) – MUMBAI EASTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Chembur (E)	58.4	33.6	71.3	60.9	55.0	48.0	59.6	42.0	72.0	63.1	49.7	43.7
Trombay	73.1	44.2	84.4	78.4	67.6	56.8	67.6	60.0	77.0	72.2	64.0	61.9
Kurla	68.9	52.4	76.9	72.5	67.1	62.4	59.0	47.2	69.6	61.5	55.9	49.7
Ghatkopar East	73.0	54.6	83.3	77.5	69.6	61.7	62.8	45.7	69.4	67.8	59.0	52.2
Ghatkopar West	75.1	59.3	83.2	79.4	71.9	64.3	68.9	45.0	79.9	73.3	59.4	48.3
Mulund East	75.4	57.1	84.3	80.2	72.3	63.8	66.7	54.7	76.8	70.4	63.4	57.5
Mulund West	75.5	65.6	79.5	78.6	75.4	70.1	69.7	52.1	79.5	75.0	61.5	54.8



Post-Diwali (14th November 2023) – MUMBAI EASTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Sakinaka	74.6	57.8	89.0	78.6	70.2	63.4	60.4	42.1	69.1	65.3	57.0	49.4
Powai	73.2	60.6	85.8	75.8	69.8	63.5	66.1	52.5	73.6	69.6	62.9	57.9
Wadala	75.4	60.0	83.9	78.8	73.7	66.9	66.7	51.2	78.0	69.9	57.4	53.3
Dharavi	78.2	55.6	87.1	81.7	74.6	65.5	72.4	45.1	83.7	77.9	61.3	49.2
Sewree	76.4	48.2	96.6	72.5	64.1	55.5	84.3	54.5	98.0	89.3	71.2	58.8
Kalina	75.2	59.9	89.9	76.6	70.0	63.9	65.6	45.0	73.9	69.6	62.5	55.3
Vikhroli (W)	66.6	50.7	79.3	69.6	62.7	57.3	69.1	45.0	80.0	73.2	59.4	48.9
Bhandup (W)	75.6	52.3	87.8	78.9	69.7	59.9	66.6	50.3	79.6	70.8	59.6	52.3

**Chart 4.1.3: Ambient Noise Levels during Diwali Festival - 2023 in Mumbai**  
Eastern Suburbs





## 4.2 Navi Mumbai

In Navi Mumbai, a total of nine locations were monitored. On 6th November, the equivalent noise level during day time was observed highest at Vashi Sector-9 with 74.1 dB(A) and during night time was observed 72.3 dB(A) at Airoli. On the day of Laxmi poojan i.e. on 12th November, the highest equivalent noise level during day time was observed at Vashi Sector 9 with 74.1 dB(A) and during the night time was observed at Nerul Sector 11 with 82.8 dB(A). On 14th November Vashi Sector-15 with 77.9dB(A) was loudest during day time and during night time Nerul Sector 11 with 71.5 dB(A) was with highest equivalent noise level.

**Table 4.2: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Navi Mumbai**

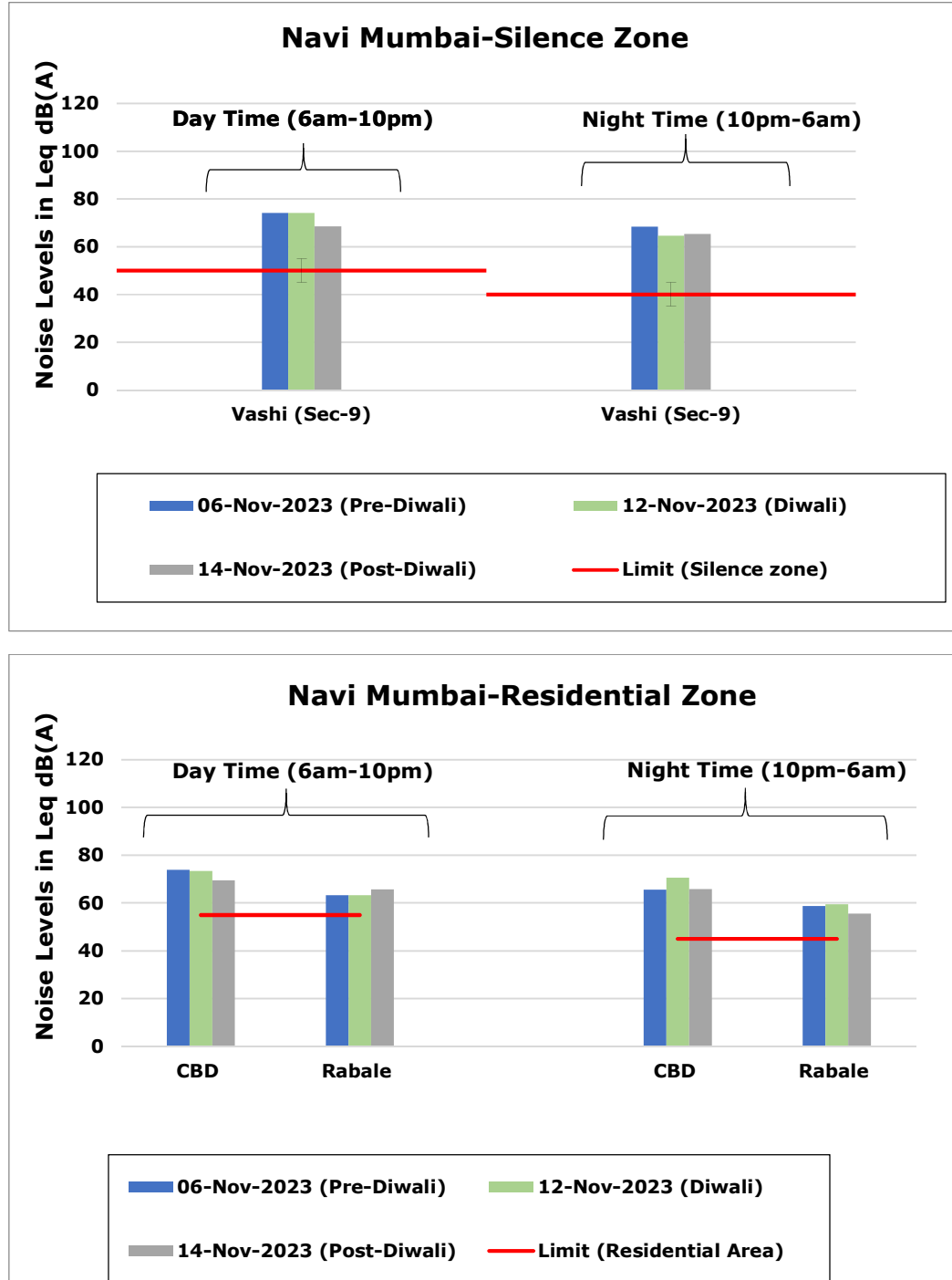
Pre-Diwali (6th November 2023)-Navi Mumbai												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBD (Sec – 6)	73.9	61.5	81.5	78.8	69.8	64.7	65.5	60.2	73.4	68.1	64.1	61.1
Nerul (Sec – 11)	70.6	41.7	88.2	71.8	64.8	53.4	67.5	39.4	76.5	71.3	60.2	45.4
Vashi (Sec-1)	64.8	50.2	79.2	67.1	59.4	54.5	69.5	55.9	79.3	72.4	66.9	59.6
Vashi (Sec-9)	74.1	54.2	84.3	78.3	69.3	60.1	68.4	55.5	79.3	70.6	66.4	59.4
Vashi (Sec – 15)	70.0	45.2	77.3	72.7	69.1	65.3	67.1	57.5	75.2	70.7	64.6	60.3
Kopar Khairne (Sec 10)	73.4	54.2	82.0	77.5	70.1	61.1	64.7	51.3	74.8	68.7	59.3	56.1
Airoli	67.1	53.3	76.2	72.3	62.6	56.6	72.3	59.3	81.6	74.9	69.6	66.5
Rabale - Village	63.3	51.3	70.1	67.4	60.1	56.6	58.8	46.7	67.1	62.3	57.9	51.2

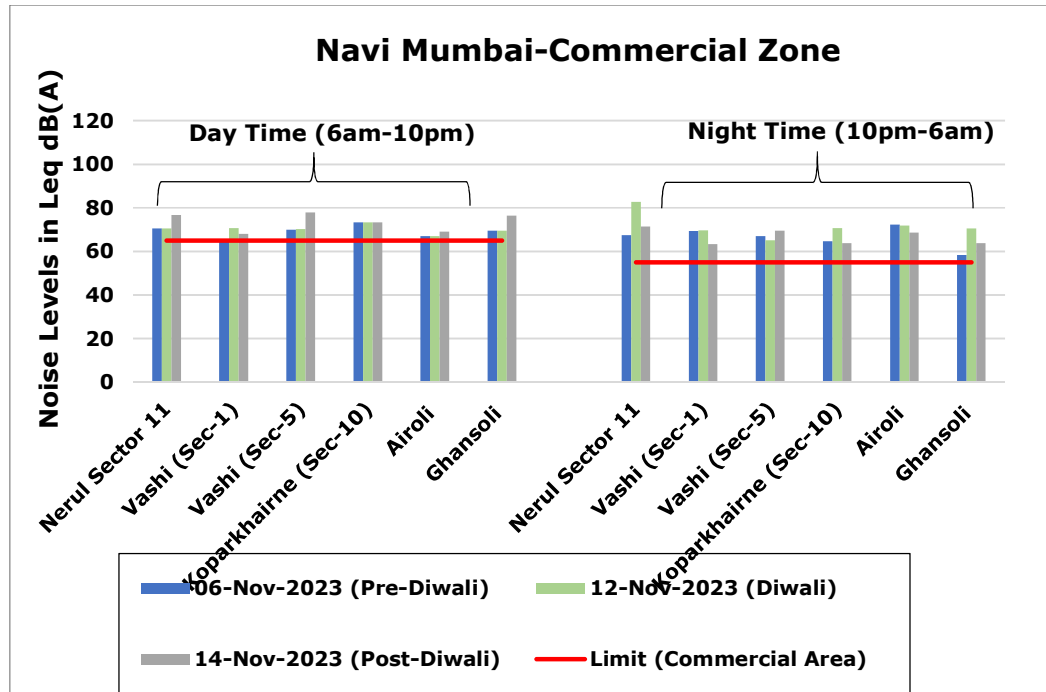
Pre-Diwali (6th November 2023)-Navi Mumbai												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ghansoli	69.6	52.5	80.1	72.4	65.8	58.4	58.5	48.3	63.4	61.3	58.4	51.4

Diwali (12th November 2023)- Navi Mumbai												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBD (Sec – 6)	73.4	61.0	81.5	78.3	69.6	64.6	70.6	46.1	83.2	74.9	56.2	50.7
Nerul (Sec – 11)	70.6	41.7	88.2	71.8	64.8	53.4	82.8	53.1	92.9	88.2	75.9	63.9
Vashi (Sec- 1)	70.6	43.7	80.1	75.3	66.2	54.8	69.7	55.4	79.4	72.6	68.6	60.3
Vashi (Sec- 9)	74.1	54.2	84.3	78.3	69.3	60.1	64.6	50.7	72.1	67.0	63.7	59.4
Vashi (Sec – 15)	70.3	45.2	80.2	73.1	69.1	65.3	65.2	58.8	67.1	71.2	67.3	60.8
Kopar Khairne (Sec 10)	73.4	54.2	82.0	77.5	70.1	61.1	70.6	42.2	84.2	74.5	55.2	48.7
Airoli	67.1	53.3	76.2	72.3	62.6	56.6	71.9	53.4	86.3	74.4	62.9	56.3
Rabale - Village	63.3	51.3	70.1	67.4	60.1	56.6	59.5	41.5	70.1	63.4	50.5	46.3
Ghansoli	69.6	52.5	80.1	72.4	65.8	58.4	70.6	46.1	83.2	74.9	55.9	50.7

Post-Diwali (14th November 2023)- Navi Mumbai												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBD (Sec – 6)	69.5	60.9	79.6	71.9	68.3	64.0	65.8	58.8	76.3	68.1	64.1	61.4
Nerul (Sec – 11)	76.8	59.5	87.7	79.7	71.2	66.4	71.5	50.5	84.6	75.5	60.4	53.3
Vashi (Sec-1)	68.0	40.4	78.2	71.6	64.5	54.8	63.3	40.4	70.9	67.8	59.7	51.9
Vashi (Sec-9)	68.5	40.4	78.2	72.4	64.5	51.7	65.4	50.9	76.3	67.8	63.7	60.8
Vashi (Sec – 15)	77.9	61.0	89.8	79.6	70.9	65.4	69.6	47.6	81.9	73.2	63.0	51.0
Kopar Khairne (Sec 10)	73.5	52.3	83.2	77.1	71.1	60.2	63.8	46.7	75.1	67.1	56.7	49.1
Airoli	69.2	50.7	79.4	73.1	67.2	57.8	68.7	52.7	78.4	73.0	63.4	57.7
Rabale - Village	65.7	49.8	73.9	69.4	63.2	57.8	55.6	43.2	63.4	59.4	51.7	46.8
Ghansoli	76.5	52.5	97.3	75.3	67.8	58.7	63.8	46.7	75.1	67.1	56.7	49.1

Chart 4.2: Ambient Noise Levels during Diwali Festival - 2023 in Navi Mumbai







### 4.3 Thane

In Thane region, five locations were monitored for ambient noise levels during Diwali-2023. On 6th November, the highest equivalent noise level during day time was observed at Wagle Estate (82.1 dBA) and at night time at Ghokhale Road (69.2dBA). On the day of Laxmi poojan i.e. on 12th November, Wagle Estate was observed with the highest equivalent noise level during day (82.1 dBA) and during nighttime it was observed at Pokharan (76.3 dBA). However, on 14th November, the highest noise level during day time was observed at Wagle Estate with 82.1 dB(A) and during night time at Pokharan with 73.5 dB(A).

**Table 4.3: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Thane**

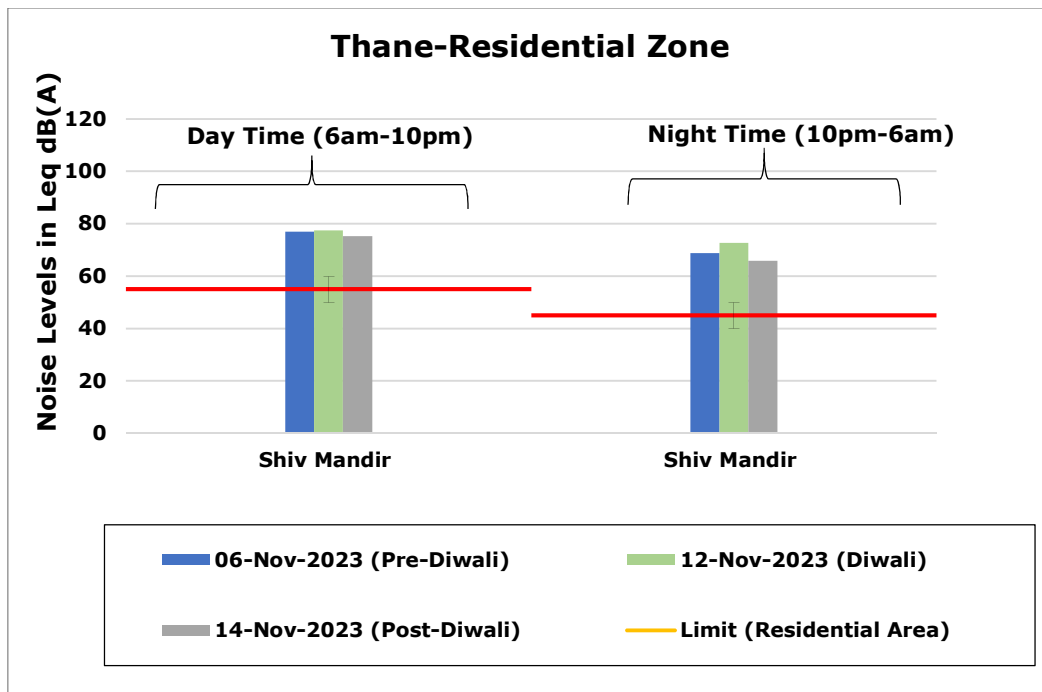
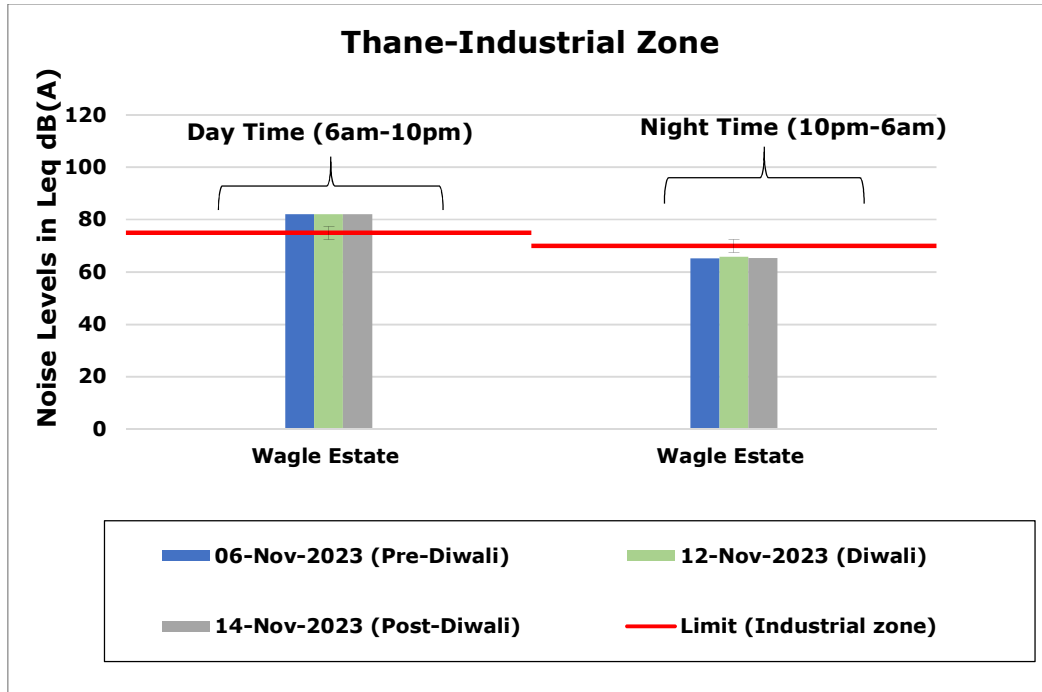
Pre-Diwali (6th November 2023) - THANE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shiv Mandir	77.0	47.6	88.1	80.2	75.5	60.7	68.8	40.7	79.2	73.6	60.3	48.5
Tembhi Naka	74.6	46.7	86.2	77.3	71.3	62.1	64.0	44.5	72.8	67.4	62.3	52.8
Gokhale Road	70.0	51.4	77.4	73.5	68.4	63.2	69.2	49.0	83.4	73.1	57.4	52.9
Pokharan	77.0	52.3	89.5	80.7	70.2	60.1	64.0	44.5	72.8	67.4	62.3	52.8
Wagle Estate	82.1	52.3	94.4	87.2	70.5	61.9	65.2	50.9	79.3	68.3	59.7	52.4

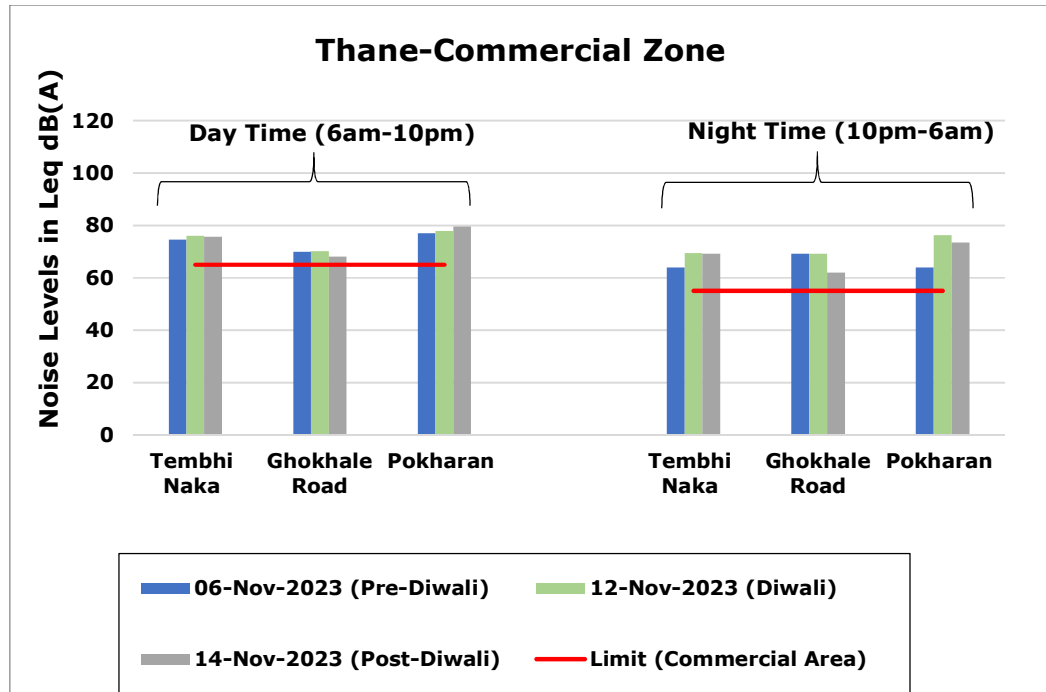
Diwali (12th November 2023) - THANE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shiv Mandir	77.4	47.6	88.1	80.3	76.1	62.7	72.6	43.7	85.7	77.2	65.2	50.7

Diwali (12th November 2023) - THANE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Tembhi Naka	76.0	48.3	87.4	79.1	72.2	63.2	69.4	50.2	79.3	73.5	64.2	54.3
Gokhale Road	70.2	51.4	80.5	73.8	68.2	63.2	69.2	49.0	83.4	73.1	57.4	52.9
Pokharan	78.0	52.3	89.5	82.6	72.5	63.9	76.3	49.5	89.3	79.9	60.6	53.3
Wagle Estate	82.1	52.3	94.4	87.2	70.5	61.9	65.8	50.9	78.3	68.3	60.3	52.4

Post-Diwali (14th November 2023) - THANE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shiv Mandir	75.3	51.3	84.4	79.0	71.2	60.9	65.8	43.0	77.8	69.0	62.3	49.6
Tembhi Naka	75.7	44.4	86.4	79.8	67.4	58.1	69.2	50.2	79.3	73.4	64.2	54.3
Gokhale Road	68.1	49.0	79.4	70.7	65.9	58.9	62.0	49.0	69.7	66.4	57.8	51.8
Pokharan	79.6	59.6	87.9	83.2	77.8	69.3	73.5	55.3	85.5	76.3	63.7	59.3
Wagle Estate	82.1	52.3	94.4	87.2	70.5	61.9	65.3	45.0	76.9	66.0	58.0	46.8

Chart 4.3: Ambient Noise Levels during Diwali Festival - 2023 in Thane





#### 4.4 Panvel

At Panvel, on the 6th and 12th of November, Khanda Colony was found to be the loudest during daytime. However, on the Laxmi Poojan Day i.e. on 14th November, Kharghar Utsav Chowk was observed with the highest equivalent noise level during daytime (83.6 dBA) and Khanda Colony was observed during the nighttime (75.0 dBA).

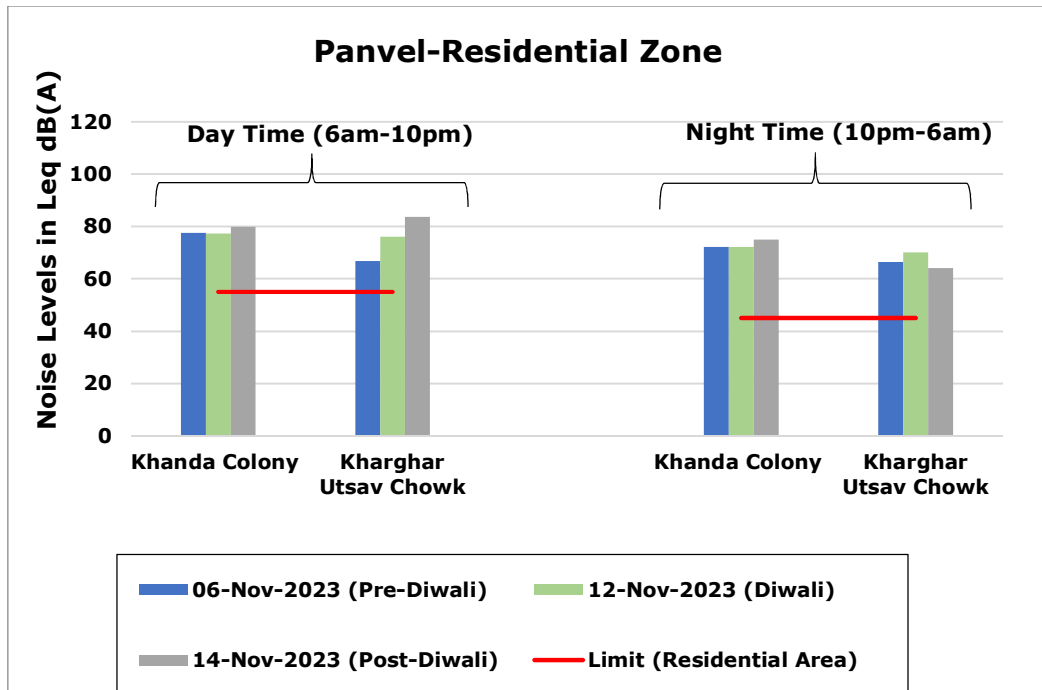
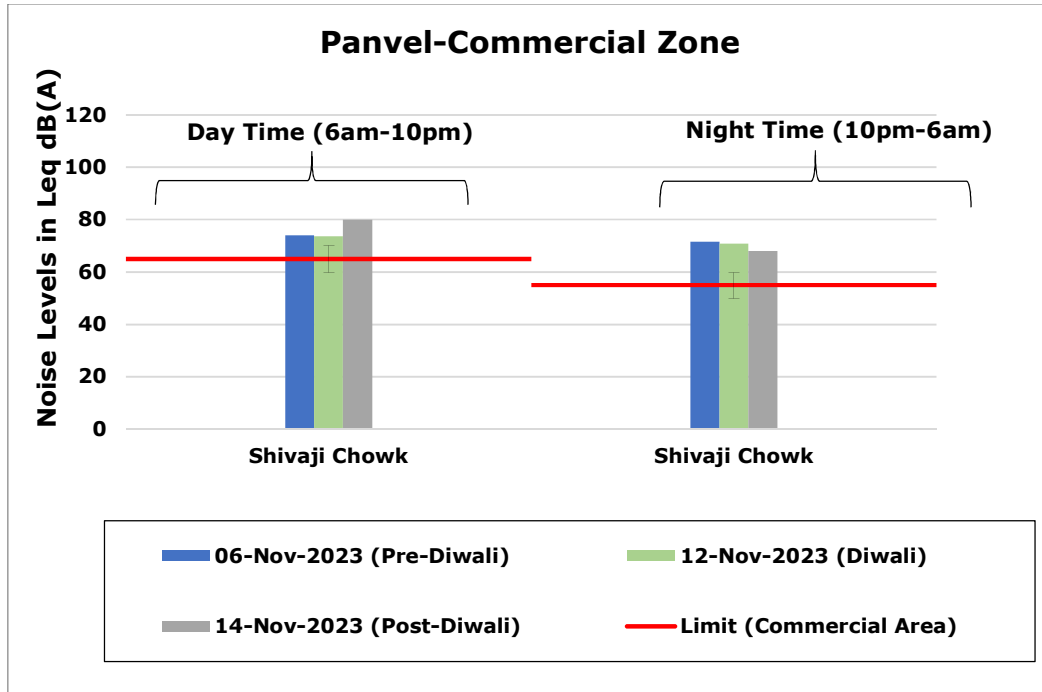
**Table 4.4: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Panvel**

Pre-Diwali (6th November 2023) - PANVEL												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	74.0	61.5	79.5	77.4	73.2	65.1	71.5	60.3	79.5	76.3	64.2	61.4
Khanda Colony	77.5	61.5	82.6	80.3	77.2	66.3	72.1	60.5	79.8	76.4	67.8	62.3
Kharghar Utsav Chowk	66.8	40.8	83.7	68.4	59.7	52.0	66.3	52.3	79.8	68.3	59.8	54.8

Diwali (12th November 2023) - PANVEL												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	73.6	60.1	79.5	77.4	72.1	64.9	70.8	60.1	77.1	74.2	69.7	63.1
Khanda Colony	77.2	60.1	83.9	80.6	76.2	63.3	72.1	60.1	79.6	77.3	68.2	61.6
Kharghar Utsav Chowk	76.2	60.0	87.8	79.2	70.6	63.8	70.0	49.0	79.7	76.5	59.8	54.2

Post-Diwali (14th November 2023) - PANVEL												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	80.0	60.3	87.5	84.6	76.3	63.8	68.0	60.9	75.8	73.0	64.1	61.9
Khanda Colony	80.0	60.3	87.5	84.6	76.3	63.8	75.0	60.2	90.0	78.3	66.9	61.8
Kharghar Utsav Chowk	83.6	60.1	94.4	87.5	78.8	68.0	64.0	48.2	79.4	66.9	58.3	51.5

Chart 4.4: Ambient Noise Levels during Diwali Festival – 2023 in Panvel



## 4.5 Pune

At Pune, a total of eleven locations were monitored. On 6th November during daytime, Karve Road is observed with 80.7 dB(A) and Swarget was observed with 66.8 dB(A). On the day of Laxmi Poojan i.e. 12th November during daytime, Laxmi road is observed with highest equivalent noise level with 88.6 dB(A) and Shaniwarwada during nighttime with 79.6 dB(A). However, on 14th November, the highest noise level during daytime was observed at Swarget with 81.5 dB(A) at Karve Road and 68.9 dB(A) during nighttime at Swargate.

**Table 4.5.: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Pune**

Pre-Diwali (6th November 2023) - PUNE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Nagar	75.6	57.4	82.9	79.4	74.2	66.3	63.0	42.2	72.2	68.8	55.1	45.5
Karve Road	80.7	57.8	89.6	84.6	77.4	66.5	63.7	42.2	72.2	69.2	56.8	46.6
Satara Road	76.1	57.3	82.6	79.3	74.8	68.3	65.0	41.1	76.6	69.9	57.7	46.6
Swargate	77.3	52.6	84.2	80.1	76.9	69.2	66.8	41.1	76.6	70.8	61.3	45.5
Yerawada	73.8	55.2	81.2	78.4	71.9	63.3	63.8	40.5	76.6	67.4	57.2	43.3
Khadaki	75.8	58.7	81.6	79.1	74.6	68.2	62.1	41.1	70.2	66.2	57.4	43.3
Shaniwarwada	76.7	58.3	86.2	79.5	75.6	66.4	65.4	41.2	75.5	70.0	57.7	45.5
Laxmi Road	78.2	57.6	87.2	81.3	76.5	68.7	65.7	41.2	76.8	70.1	57.7	45.5
Saras Bag	75.2	58.7	81.4	79.4	73.5	65.4	63.9	41.2	76.6	68.5	55.3	43.3
Aundh gaon	75.4	57.3	82.6	79.2	74.2	62.4	57.1	40.1	70.2	62.2	48.8	41.5
University road	74.1	60.1	81.2	76.7	72.2	66.3	62.0	41.1	72.1	65.4	55.3	50.1

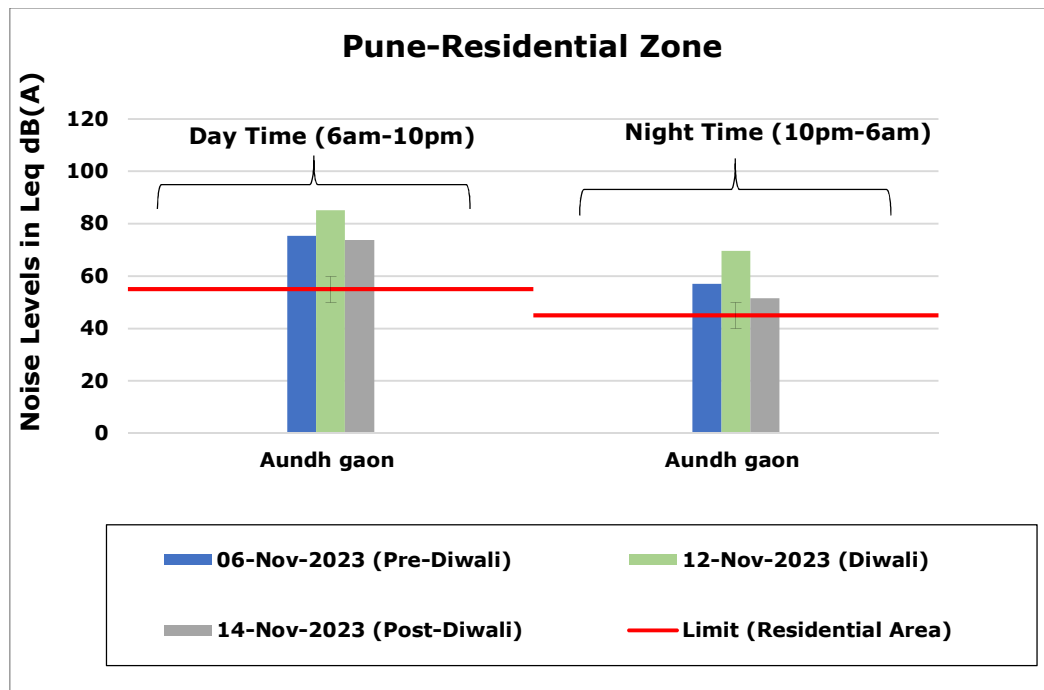
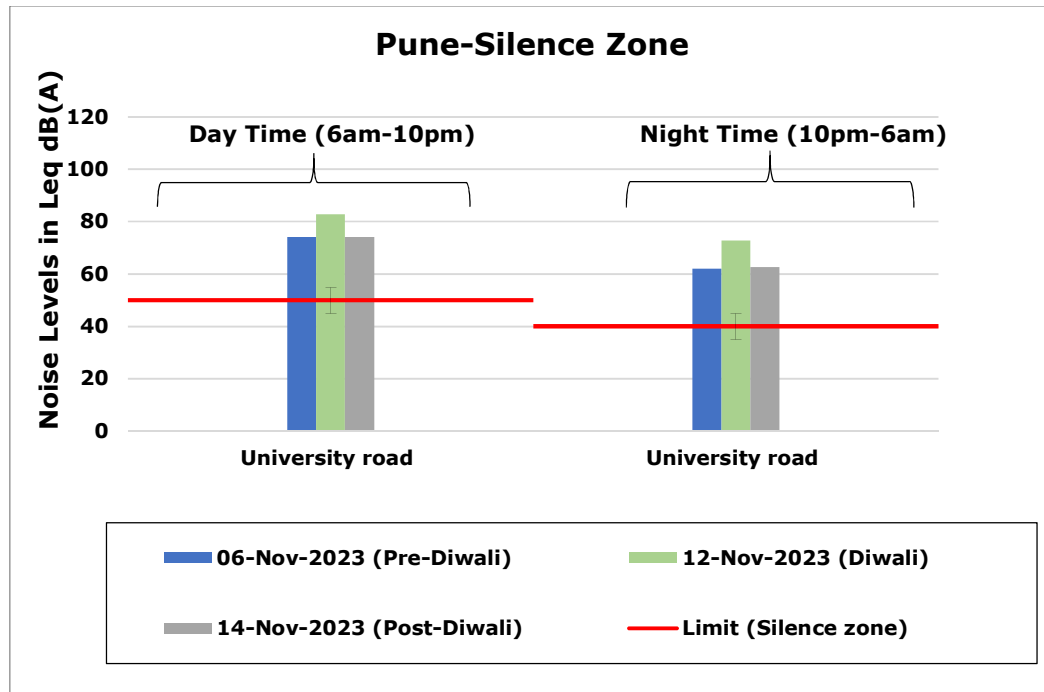


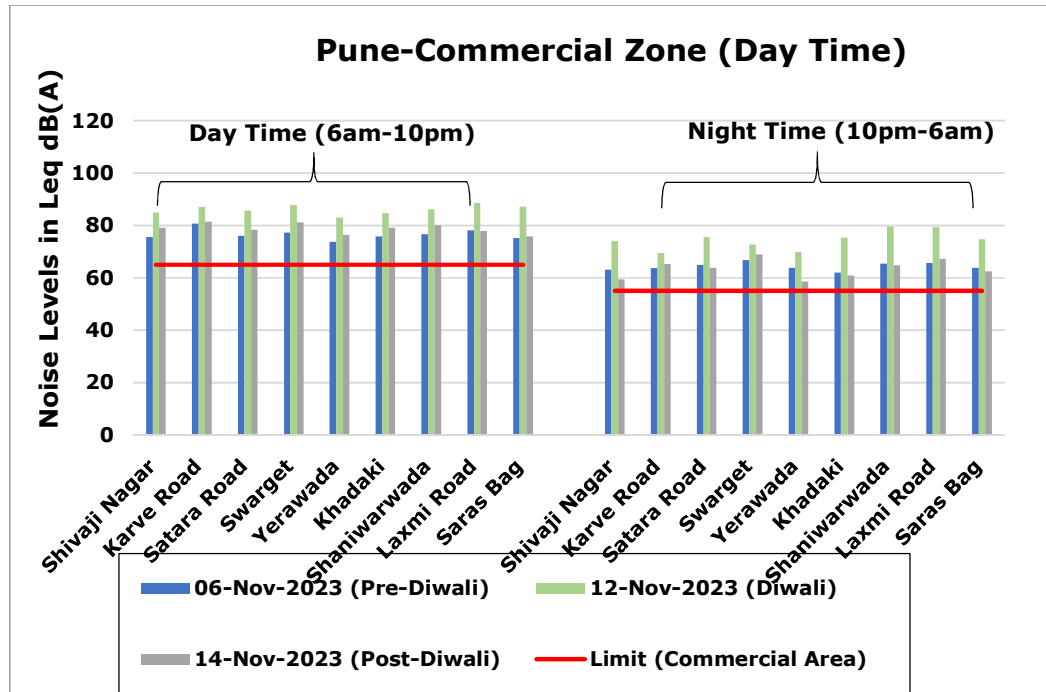
Diwali (12th November 2023) - PUNE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Nagar	85.0	62.8	99.4	88.5	78.4	71.0	74.0	41.9	91.7	71.2	53.6	44.6
Karve Road	87.1	65.2	99.4	91.2	78.6	73.4	69.4	40.6	83.7	72.4	49.0	42.7
Satara Road	85.7	65.4	99.4	88.7	78.4	73.6	75.7	42.3	92.6	72.5	53.1	45.2
Swargate	87.8	59.3	99.7	90.8	79.1	72.8	72.7	42.6	86.7	77.3	55.5	46.3
Yerawada	83.0	59.4	96.2	86.4	74.0	66.3	69.9	41.9	85.3	74.2	55.8	44.3
Khadaki	84.6	63.4	99.6	87.3	77.6	70.2	75.4	41.1	87.7	80.6	60.2	46.6
Shaniwarwada	86.2	62.3	99.4	88.8	78.4	72.8	79.6	50.4	92.2	83.1	69.7	54.7
Laxmi Road	88.6	70.4	98.7	92.7	84.4	77.4	79.4	56.6	90.4	82.3	70.9	62.1
Saras Bag	87.2	66.3	98.3	92.2	80.2	74.4	74.7	50.1	86.6	78.9	65.3	54.3
Aundh gaon	85.1	68.8	94.4	89.5	81.7	75.8	69.6	40.7	82.2	73.5	51.6	43.3
University road	82.8	66.3	92.2	87.7	76.6	72.2	72.9	46.6	88.3	76.5	59.0	50.4

Post-Diwali (14th November 2023) - PUNE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Nagar	79.1	57.6	93.7	80.7	74.6	66.3	59.4	43.7	72.2	63.4	45.5	43.9
Karve Road	81.5	62.3	94.2	85.4	76.8	67.4	65.3	43.8	73.4	70.8	56.5	44.7
Satara Road	78.4	57.4	94.2	79.5	74.7	66.4	63.8	44.0	72.1	69.8	54.5	44.9

Post-Diwali (14th November 2023) - PUNE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Swargate	81.2	58.4	94.6	84.2	78.2	72.4	68.9	44.5	78.1	72.7	62.2	47.1
Yerawada	76.4	54.8	91.2	79.4	73.0	62.3	58.7	43.3	70.8	62.3	46.9	44.3
Khadaki	79.0	62.4	88.6	83.5	75.6	68.7	60.9	42.2	72.4	63.5	49.0	43.6
Shaniwarwada	80.1	57.2	92.4	83.4	77.9	72.3	64.9	43.3	76.0	70.1	53.8	45.1
Laxmi Road	77.9	64.7	86.6	81.1	76.2	71.1	67.3	41.9	78.8	72.1	51.9	44.7
Saras Bag	75.8	64.8	83.3	80.1	73.4	70.4	62.5	41.2	72.2	68.2	53.7	41.8
Aundh gaon	73.7	60.7	82.2	77.0	70.9	64.5	51.5	40.8	60.8	56.6	45.6	41.7
University road	74.1	63.3	83.3	76.6	72.2	66.7	62.6	42.0	74.1	65.2	57.6	45.5

Chart 4.5: Ambient Noise Levels during Diwali Festival - 2023 in Pune





## 4.6 Nashik

In Nashik, a total of five locations were monitored. On 6th November, the highest noise level during day time as well as night time was recorded at CBS (71.9 dBA) and (67.8 dBA) respectively. However, on the day of Laxmi poojan, the highest noise level during day time was observed at Pachavati with 70.6 dB(A) and at Dahipool during nighttime (59.1 dBA). On 14th November, the highest noise level during day was observed at CBS with 73.6 dB(A) and nighttime is observed at Panchavati 64.9 dB(A) respectively.

**Table 4.6: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Nashik**

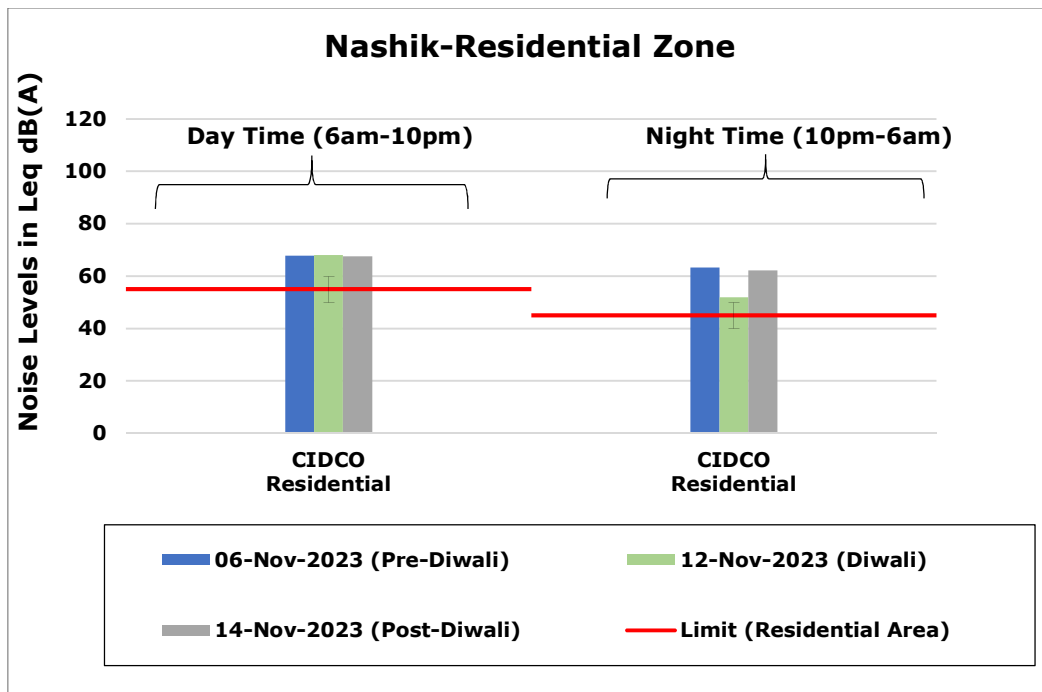
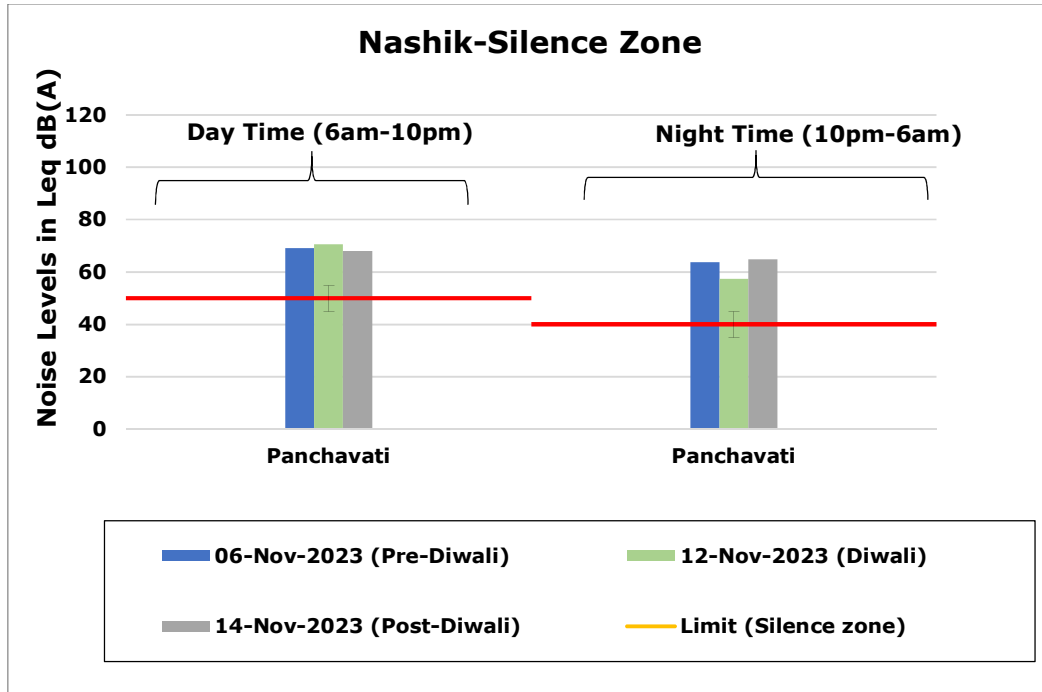
Pre-Diwali (6th November 2023) - NASHIK												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBS	71.9	51.0	77.0	75.0	72.0	59.0	67.8	54.0	76.0	72.1	64.0	58.0
Panchavati	69.2	50.0	76.0	72.0	68.0	56.0	63.7	52.0	70.0	68.0	58.0	54.0
Dahipool	69.1	57.0	77.0	74.0	65.0	59.0	57.5	50.0	64.0	61.0	56.0	51.0
CIDCO Residential	67.8	46.0	76.0	71.1	66.0	50.0	63.3	51.0	69.0	68.0	62.0	52.0
Bytco Point	71.7	61.0	79.0	75.0	70.0	65.0	65.5	54.0	74.0	71.2	60.0	57.0

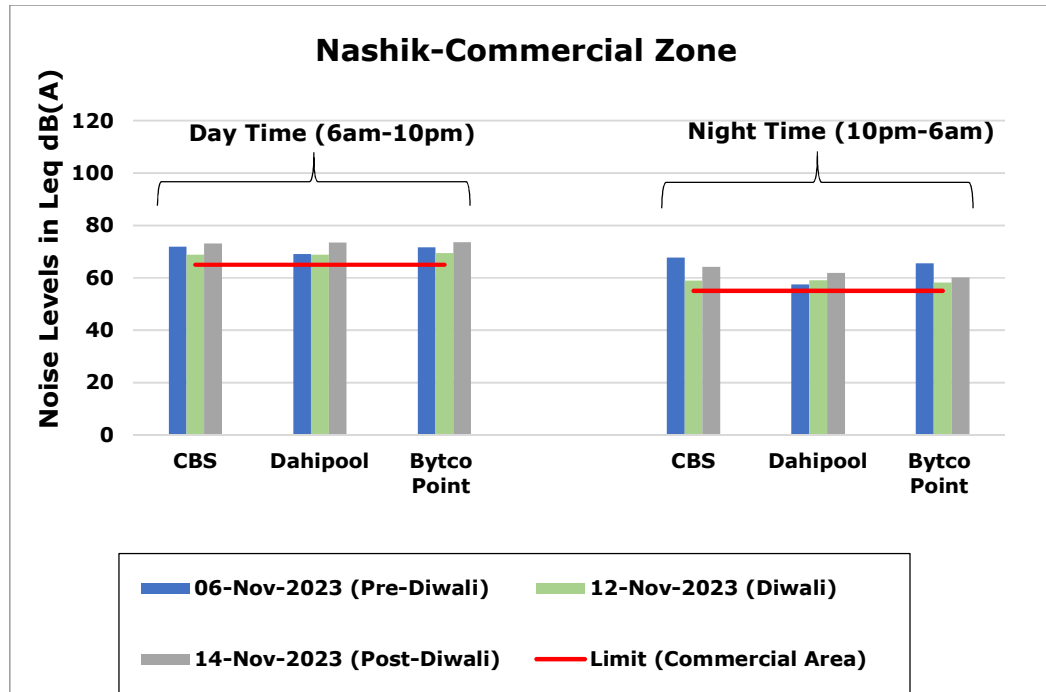
Diwali (12th November 2023) - NASHIK												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBS	68.9	58.0	75.0	72.0	68.0	63.0	59.0	52.0	65.0	63.1	56.0	52.0
Panchavati	70.6	58.0	75.0	74.0	70.0	62.9	57.4	48.0	69.0	61.0	54.0	50.0
Dahipool	68.8	58.0	74.0	72.0	68.0	61.0	59.1	51.0	64.0	62.0	58.0	54.0

Diwali (12th November 2023) - NASHIK												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CIDCO Residential	68.0	51.0	73.0	71.0	68.0	59.0	51.9	48.0	56.0	54.0	51.0	49.0
Bytco Point	69.5	58.0	75.0	73.0	68.0	63.0	58.2	50.0	65.0	62.0	54.0	52.0

Post-Diwali (14th November 2023) - NASHIK												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBS	73.1	56.0	82.0	78.0	69.0	61.9	64.2	52.0	72.0	69.1	60.5	53.9
Panchavati	68.0	54.0	76.0	72.0	65.5	59.0	64.9	48.0	72.0	70.0	55.0	50.0
Dahipool	73.4	55.0	82.0	76.0	71.0	61.0	61.9	51.0	70.0	66.1	58.0	52.0
CIDCO Residential	67.6	50.0	78.0	71.1	65.0	55.9	62.1	50.0	72.0	68.0	54.5	50.9
Bytco Point	73.6	54.0	84.0	78.0	70.0	61.0	60.2	50.0	68.0	64.0	57.0	52.0

Chart 4.6: Ambient Noise Levels during Diwali Festival - 2023 in Nashik







## 4.7 Aurangabad

A total of five locations were monitored in Aurangabad region. The highest noise level on 6th November during day time was observed at Kranti Chowk with 74.4 dB(A) and during nighttime at Gulmandi with 53.7 dB(A) respectively. On the day of Laxmi poojan i.e. on 12th November also, the highest noise level during daytime was observed at CIDCO Residential (77.5 dBA) and at Gulmandi during nighttime (63.5 dBA). On 14th November also, the similar pattern of noise levels was observed. The highest noise level during day time was observed at Kranti Chowk with 72.7 dB(A) and at Gulmandi (61.0 dBA) during nighttime.

**Table 4.7.: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Aurangabad**

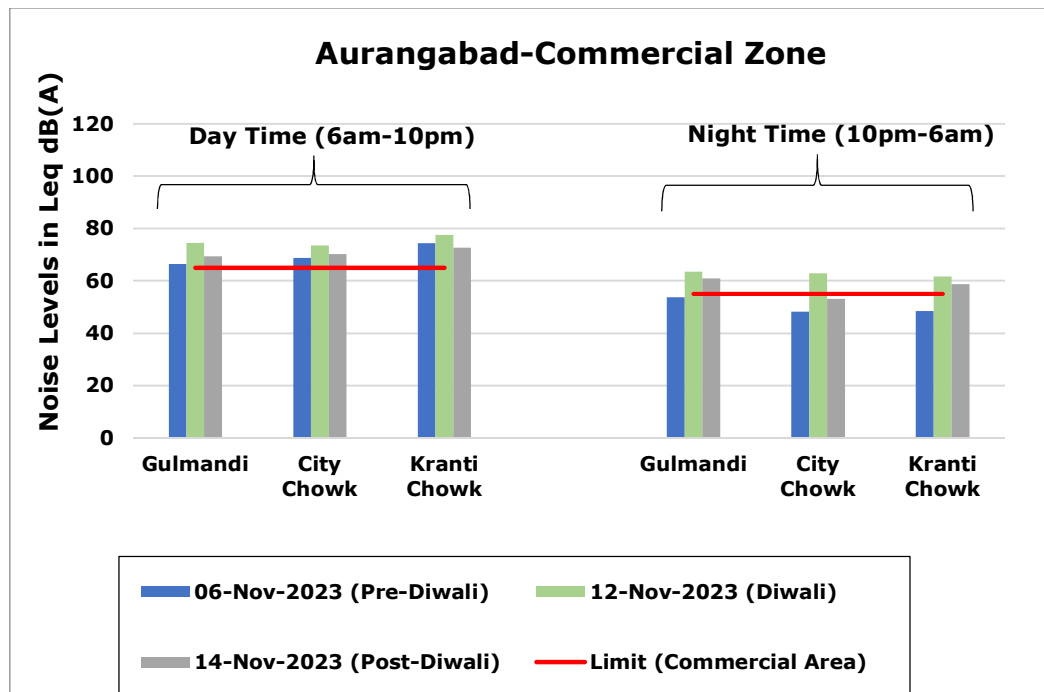
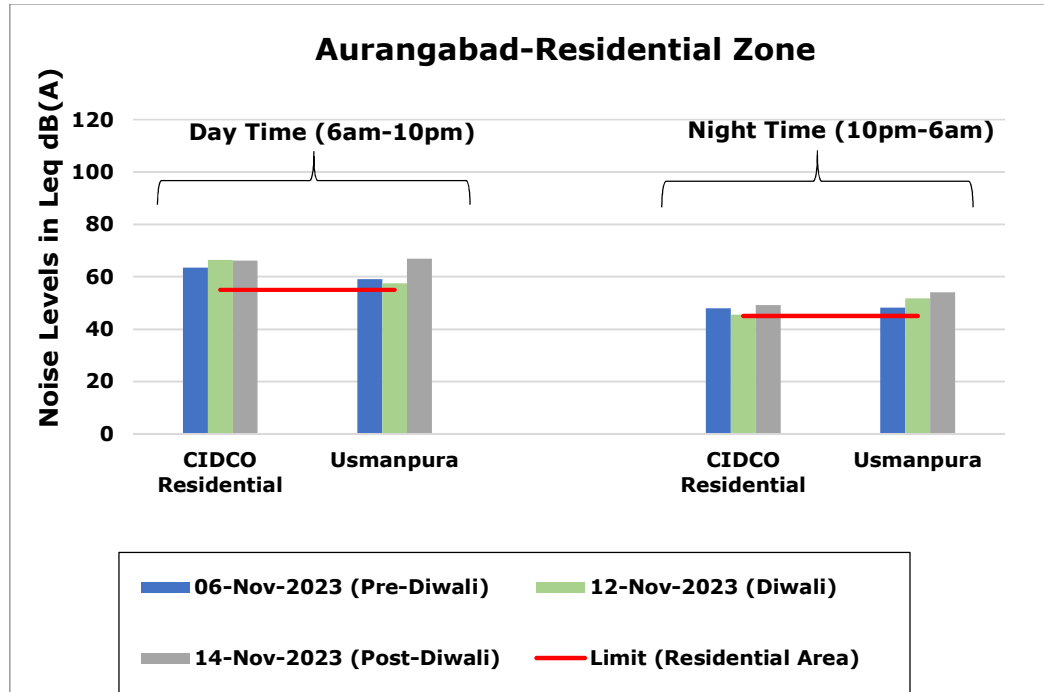
Pre-Diwali (6th November 2023) - AURANGABAD												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gulmandi	66.4	45.0	78.0	70.1	62.0	52.0	53.7	42.0	63.0	57.2	49.5	44.0
City Chowk	68.8	45.0	79.0	71.0	62.0	51.9	48.2	42.0	52.0	51.0	47.0	43.9
Kranti Chowk	74.4	57.0	87.0	80.0	71.0	62.0	48.4	41.0	54.0	51.0	48.0	44.0
CIDCO Residential	63.5	48.0	74.0	67.0	59.0	51.0	48.0	40.0	52.0	50.1	47.0	43.0
Usmanpura	59.1	47.0	77.0	59.0	53.4	49.0	48.2	42.0	52.0	50.0	48.0	45.0

Diwali (12th November 2023) - AURANGABAD												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gulmandi	74.5	51.0	83.0	79.0	70.0	65.0	63.5	39.0	72.0	69.0	51.0	42.0

Diwali (12th November 2023) - AURANGABAD												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
City Chowk	73.5	63.0	81.0	76.1	72.0	69.0	62.9	38.0	73.0	68.1	51.0	42.9
Kranti Chowk	77.5	64.0	83.0	81.0	77.0	72.0	61.7	43.0	71.0	67.2	50.0	44.0
CIDCO Residential	66.4	47.0	81.0	70.0	61.0	55.0	45.6	37.0	52.0	50.0	43.0	40.0
Usmanpura	57.5	50.0	67.0	60.1	56.0	53.0	51.8	42.0	61.0	56.0	48.5	43.0

Post-Diwali (14th November 2023) - AURANGABAD												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gulmandi	69.4	55.0	75.0	72.0	69.0	61.0	61.0	41.0	70.0	66.0	54.5	43.0
City Chowk	70.2	49.0	75.0	73.0	70.0	58.9	53.2	41.0	66.0	55.1	47.0	43.0
Kranti Chowk	72.7	60.0	76.0	75.0	73.0	68.8	58.7	43.0	66.0	62.0	57.0	50.9
CIDCO Residential	66.1	50.0	74.0	70.0	64.0	56.0	49.1	36.0	59.0	53.1	44.0	41.0
Usmanpura	66.9	49.0	74.0	71.0	65.0	55.9	54.1	41.0	64.0	59.0	46.0	42.0

Chart 4.7: Ambient Noise Levels during Diwali Festival - 2023 in Aurangabad



## 4.8 Nagpur

In Nagpur region, a total of ten locations were monitored. On all the three days, Deshpande Layout was found the loudest. On 6th November, the highest noise level during day was observed at Kalamna with 79.1 dB(A) and during night time was 68.0 dB(A) at Civil Hospital (GMC). On 12th November, it was 79.7 dB(A) during daytime at Deshpande Layout and 73.9 dB(A) during nighttime. However, on 14th November, it was 77.7 dB(A) during daytime at Kalamna and 72.3 dB(A) during nighttime at Deshpande Layout.

**Table 4.8: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Nagpur**

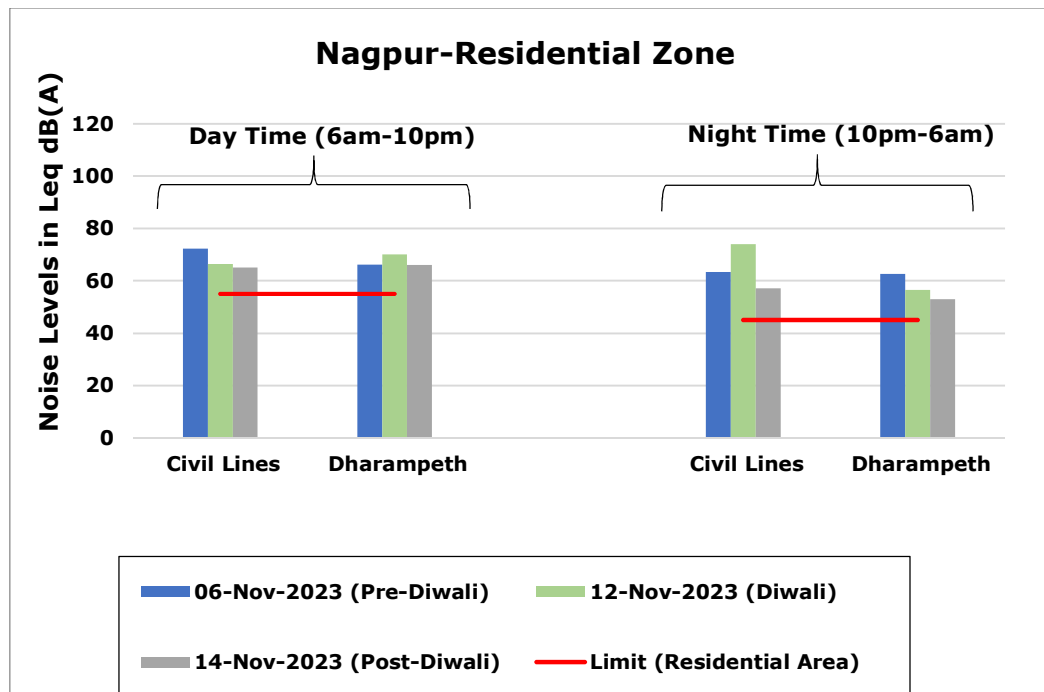
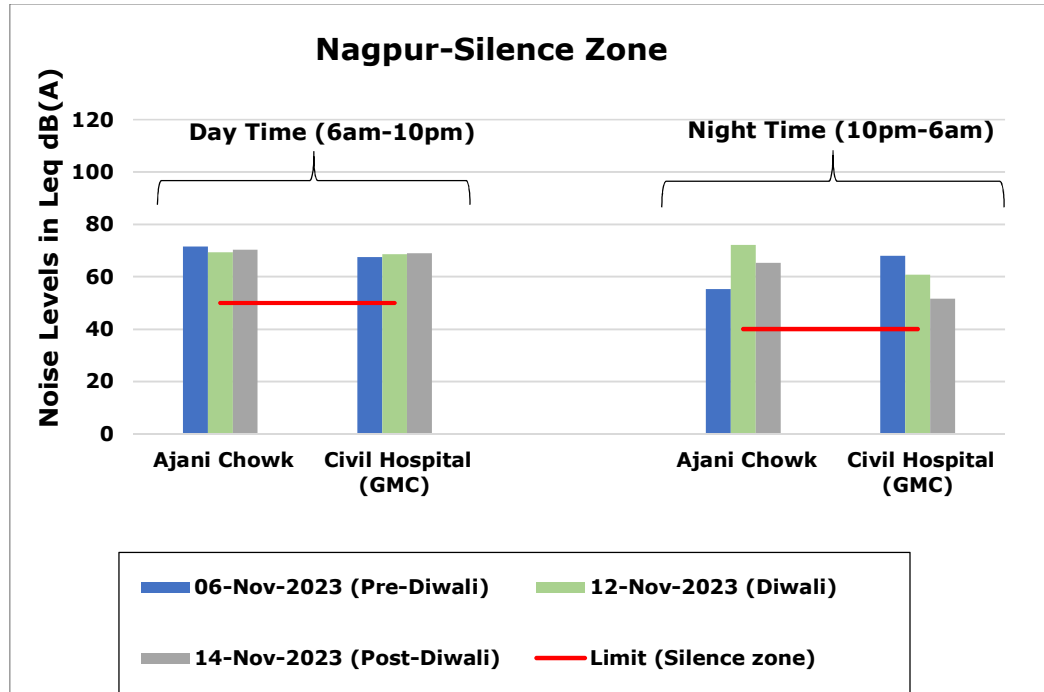
Pre-Diwali (6th November 2023) - NAGPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ajani Chowk	71.5	57.5	83.1	73.4	69.8	65.4	55.3	40.3	69.4	55.0	49.8	43.2
Civil Lines	72.4	48.2	79.8	76.5	70.6	53.6	63.4	50.2	69.1	66.4	62.4	57.1
Dharampeth	66.1	43.2	72.6	69.9	64.6	54.4	62.5	44.5	72.2	66.5	58.6	48.3
Itwari	79.0	40.1	90.9	82.4	71.1	60.7	64.8	40.2	78.1	68.2	58.4	42.2
Civil Hospital	67.5	45.7	74.5	71.2	65.9	60.9	68.0	49.6	81.3	70.9	64.5	56.9
Deshpande Layout	70.9	50.2	78.5	74.3	70.1	63.7	57.3	48.7	64.3	60.9	55.6	50.3
Shankar Nagar	73.7	56.8	86.0	78.1	70.1	62.3	64.8	40.1	78.1	68.1	58.4	42.2
Mahal	72.0	40.5	88.1	73.2	69.4	63.4	55.7	39.9	66.9	59.4	42.9	40.6
Sadar	74.0	50.8	85.2	78.5	68.4	57.9	60.1	36.2	74.2	63.2	52.2	40.3
Kalamna	79.1	57.6	92.2	82.6	71.2	67.5	61.0	35.6	76.5	57.1	46.5	40.8

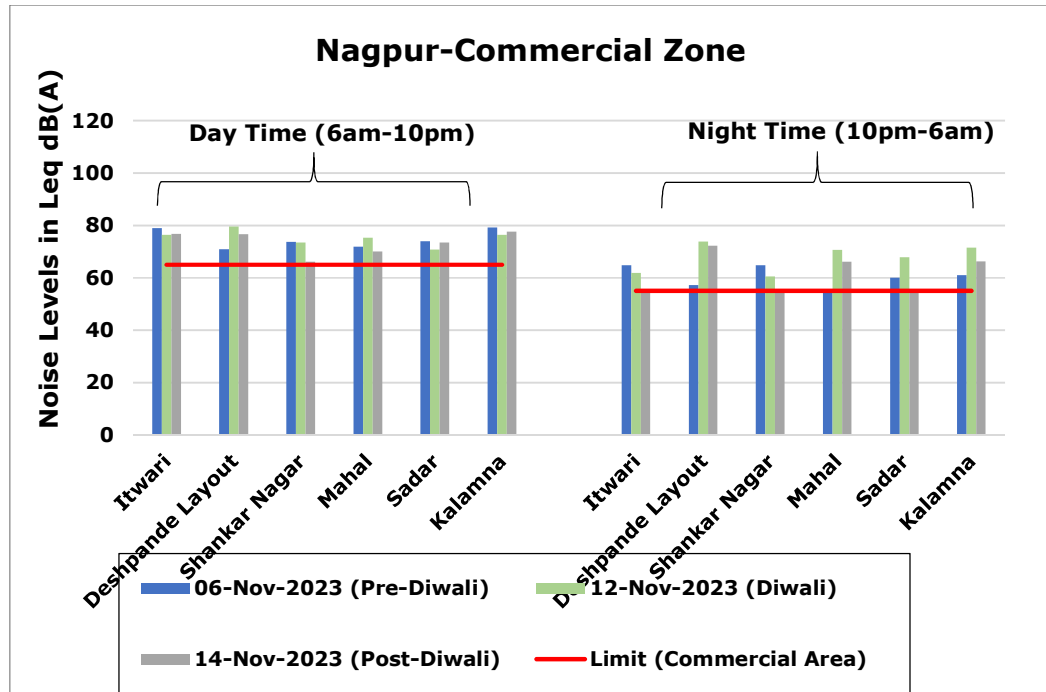
Diwali (12th November 2023) - NAGPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ajani Chowk	69.4	56.5	78.9	72.0	67.5	63.1	72.1	41.9	88.3	74.2	61.3	50.2
Civil Lines	66.5	48.1	77.6	70.2	62.5	56.0	73.9	40.1	88.1	77.3	54.4	45.9
Dharampeth	70.0	41.2	90.1	70.5	62.3	55.4	56.4	38.7	67.6	61.4	49.2	40.7
Itwari	76.4	54.2	87.7	80.9	70.7	63.2	61.8	40.2	74.5	65.4	52.6	44.1
Civil Hospital	68.7	50.8	77.9	72.3	66.4	61.8	60.7	41.2	69.8	66.9	47.3	42.8
Deshpande Layout	79.7	59.2	92.4	83.6	73.1	62.6	73.9	50.3	87.3	79.1	61.6	52.0
Shankar Nagar	73.5	48.6	89.1	71.3	63.4	58.3	60.5	43.2	71.2	64.5	54.4	50.1
Mahal	75.4	55.2	90.1	80.3	69.5	61.3	70.7	40.8	84.5	73.5	53.2	43.5
Sadar	70.8	54.2	78.6	74.6	68.7	60.2	67.9	48.1	78.1	72.8	54.6	50.1
Kalamna	76.4	50.6	89.6	80.1	69.7	63.5	71.4	50.7	81.6	76.7	63.1	57.8

Post-Diwali (14th November 2023) - NAGPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ajani Chowk	70.3	55.3	82.7	72.2	69.4	64.0	65.3	45.6	71.9	70.4	62.9	52.2
Civil Lines	65.1	45.1	74.3	69.3	61.5	54.5	57.2	40.1	67.9	60.7	51.8	47.3
Dharampeth	66.0	42.8	74.1	70.5	62.5	56.6	52.9	38.0	62.2	57.6	48.0	40.1

Post-Diwali (14th November 2023) - NAGPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Itwari	76.8	54.3	84.5	80.6	74.5	62.2	54.6	41.3	64.7	58.7	50.4	47.2
Civil Hospital	69.0	49.7	77.5	72.5	66.6	58.3	51.6	42.9	56.8	54.4	50.8	47.2
Deshpande Layout	76.6	56.1	86.3	80.2	73.5	63.9	72.3	53.1	84.4	78.1	60.3	54.9
Shankar Nagar	66.2	46.3	78.3	69.2	64.0	57.3	54.4	42.7	62.7	58.1	50.8	45.5
Mahal	70.1	55.8	78.2	73.5	68.8	63.2	66.3	44.3	75.7	70.2	63.0	50.1
Sadar	73.4	51.1	83.2	78.6	66.8	57.6	54.6	48.5	60.5	58.3	52.5	49.8
Kalamna	77.7	54.0	89.6	80.7	72.0	65.9	66.3	50.6	75.6	70.4	62.0	54.6

Chart 4.8: Ambient Noise Levels during Diwali Festival - 2023 in Nagpur







## 4.9 Kalyan

Three locations were monitored in Kalyan region. On 6th November, the highest noise level during day and nighttime was observed at Katemanivali with 84.0 dB(A) and 78.4 respectively. On the day of Laxmi Poojan i.e. on 12th November, the highest noise level during day time was observed highest at Birla College with 86.1 dB(A) and during nighttime Bail bazar was the loudest with 72.6 dB(A). On 14th November also, the highest noise level during day was observed at Katemanivali with 80.9 dB(A) and during night time is was observed 63.2 dB(A) at Bail bazar.

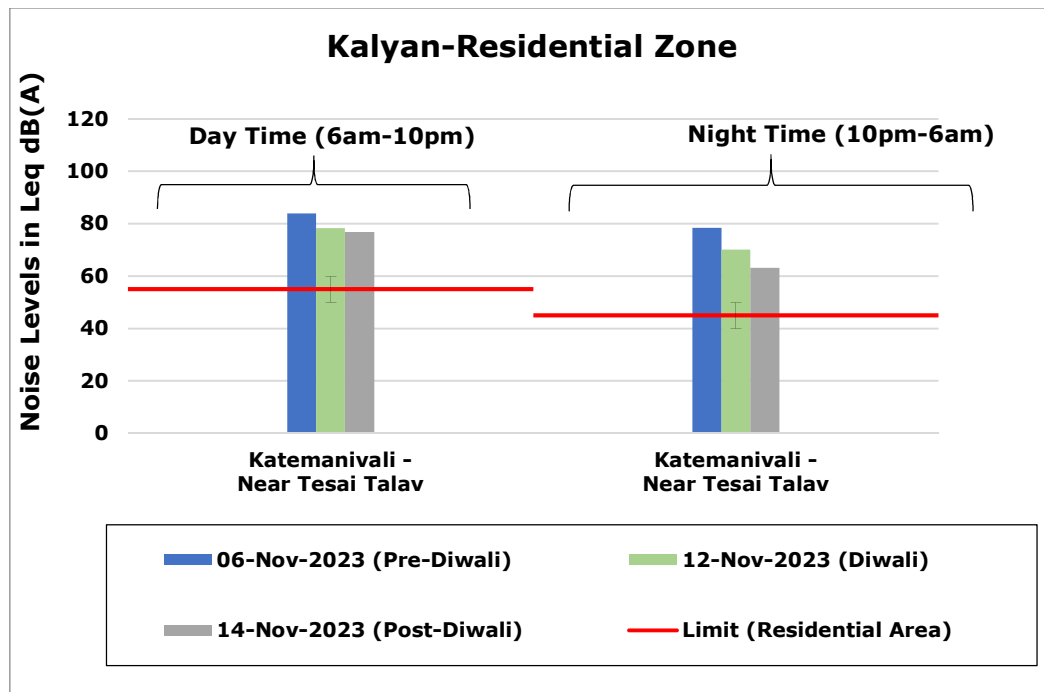
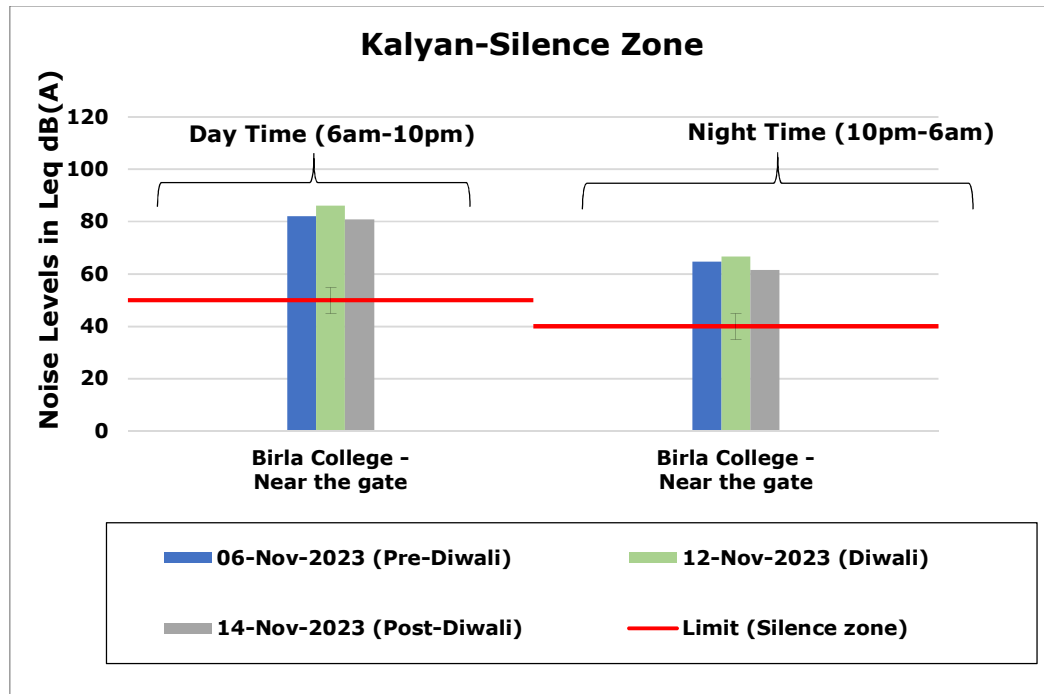
**Table 4.9: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Kalyan**

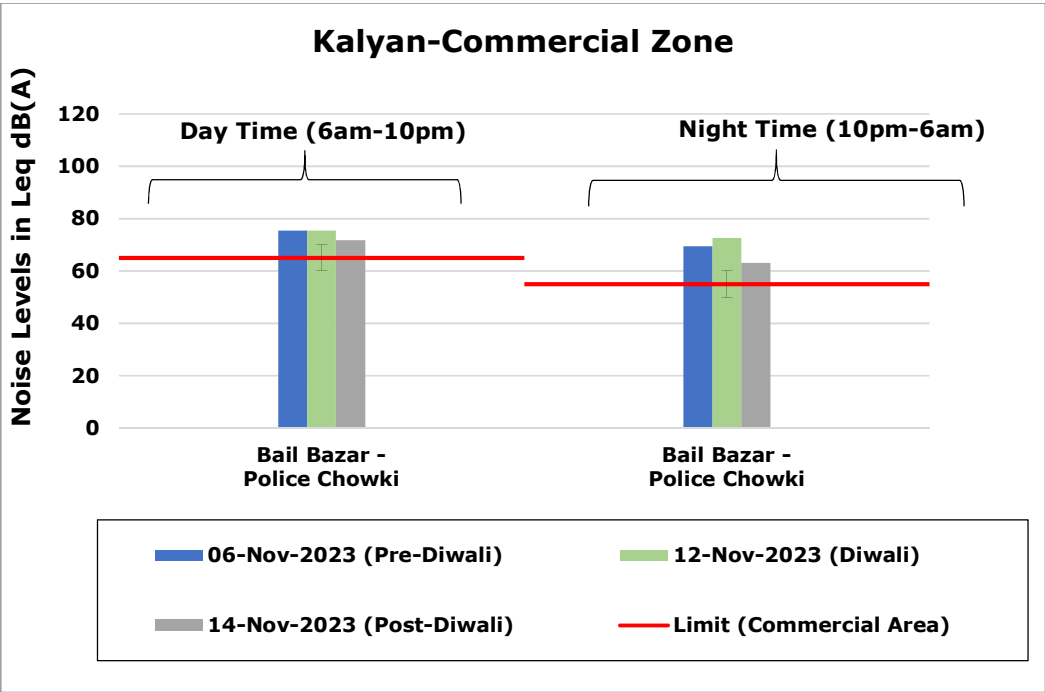
Pre-Diwali (6th November 2023) - KALYAN												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Katemanivali	84.0	54.7	91.8	87.7	82.8	67.0	78.4	50.4	93.6	79.4	69.7	59.9
Birla College	82.1	68.3	90.1	85.1	80.6	75.4	64.7	53.2	72.3	69.4	60.3	56.3
Bail Bazar	75.4	54.9	83.9	79.7	71.4	59.6	69.4	41.4	80.4	73.5	51.6	43.5

Diwali (12th November 2023) - KALYAN												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Katemanivali	78.4	54.1	87.3	82.2	72.9	62.0	70.0	49.0	79.7	76.5	59.8	54.2
Birla College	86.1	61.3	97.4	90.9	77.0	70.3	66.7	50.4	75.1	70.5	63.3	53.1
Bail Bazar	75.5	50.7	85.6	79.3	70.9	61.1	72.6	51.6	81.6	77.5	67.6	58.2

Post-Diwali (14th November 2023) - KALYAN												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Katemanivali	76.9	60.2	83.3	79.8	76.0	69.1	63.2	44.9	73.5	68.6	52.3	46.6
Birla College	80.9	63.9	89.5	84.7	77.5	70.4	61.5	47.9	71.5	65.2	55.6	49.5
Bail Bazar	71.9	44.5	79.6	75.8	69.6	58.8	63.1	45.2	71.5	68.2	55.6	49.6

Chart 4.9: Ambient Noise Levels during Diwali Festival - 2023 in Kalyan





#### 4.10 Amaravati

Three locations were monitored for Amravati region. On all three days of monitoring, the highest noise level both during day time and during night time was observed at Rajkamal Chowk.

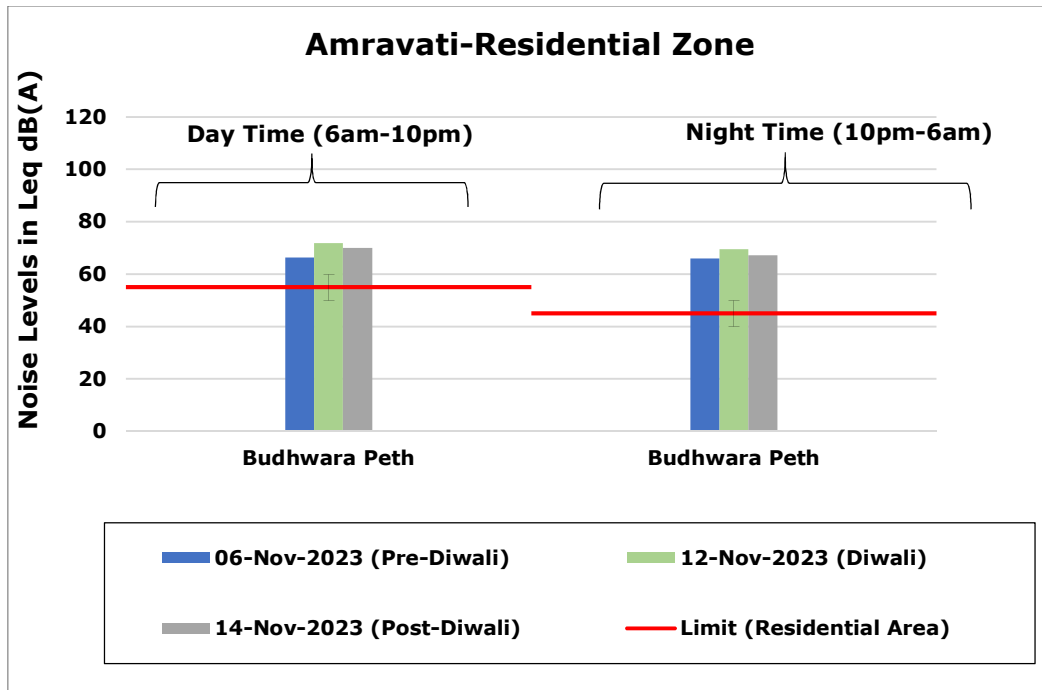
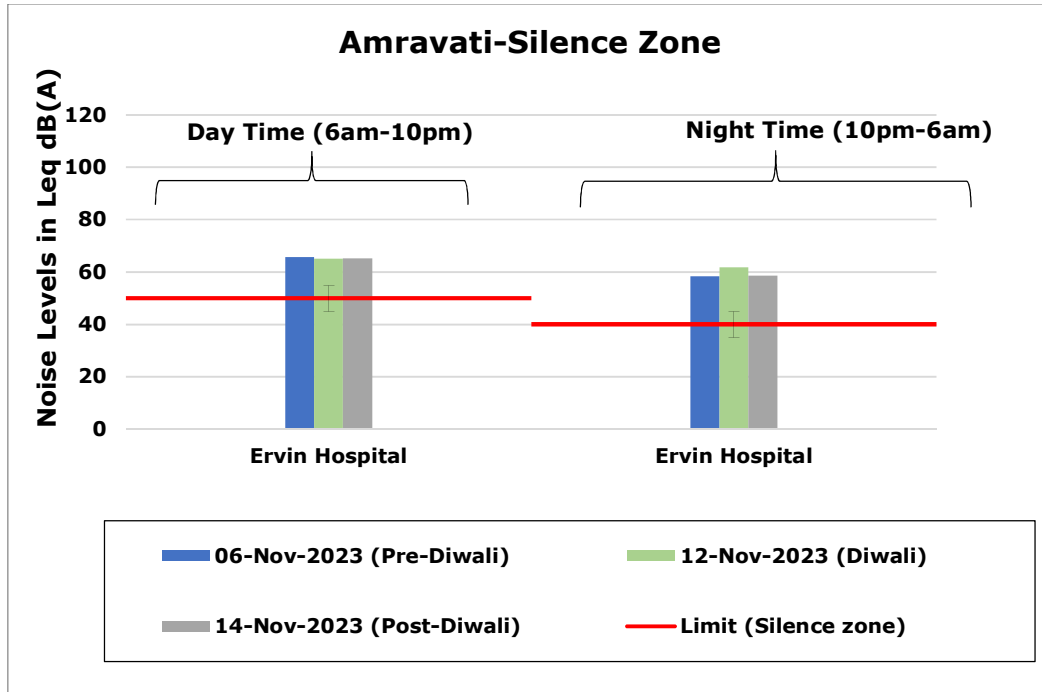
**Table 4.10: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Amravati**

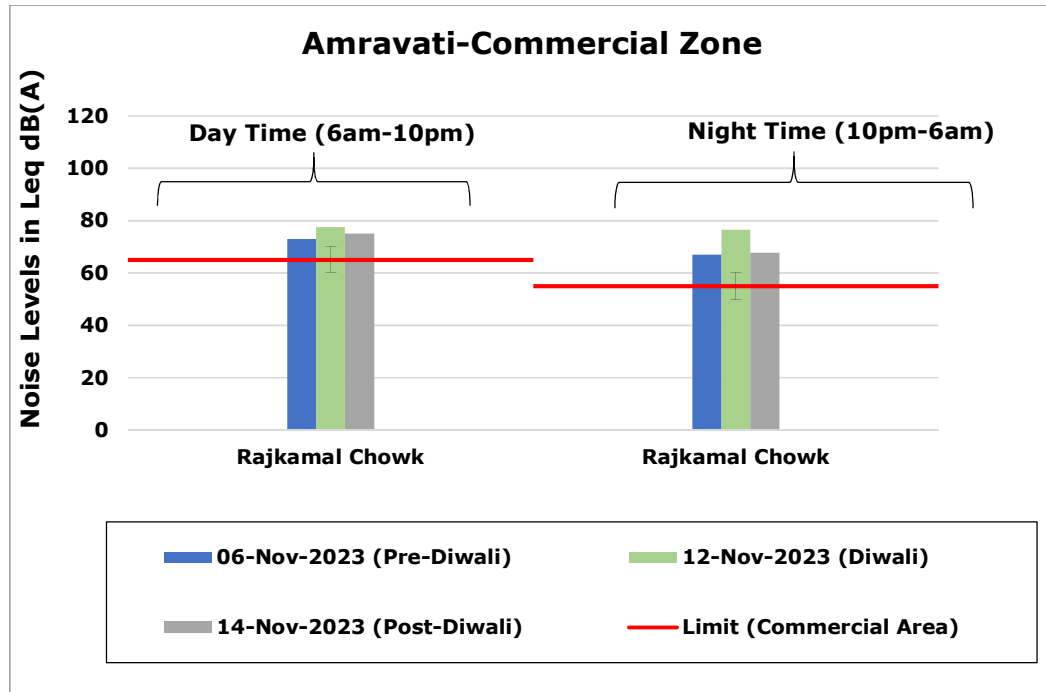
Pre-Diwali (6th November 2023) - AMRAVATI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Budhwara Peth	66.3	48.5	75.4	70.6	63.3	58.2	65.9	42.7	75.4	70.8	58.3	50.0
Ervin Hospital	65.7	55.8	71.4	68.6	65.0	61.3	58.3	45.2	66.7	62.5	55.7	48.4
Rajkamal Chowk	73.0	61.3	81.2	75.3	72.3	68.7	67.0	56.2	75.1	71.4	63.6	59.4

Diwali (12th November 2023) - AMRAVATI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Budhwara Peth	71.7	48.3	81.7	76.9	65.3	59.8	69.5	46.2	78.5	74.5	60.3	49.8
Ervin Hospital	65.1	46.6	74.3	68.2	63.9	57.7	61.7	45.2	74.5	64.2	53.9	48.3
Rajkamal Chowk	77.6	61.9	86.7	81.8	74.0	68.9	76.6	54.8	87.1	80.6	69.7	61.0

Post-Diwali (14th November 2023) - AMRAVATI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Budhwara Peth	70.0	47.3	82.3	74.4	64.5	58.4	67.2	46.4	75.8	71.8	58.5	49.4
Ervin Hospital	65.2	51.1	72.8	68.2	63.2	59.2	58.6	46.4	68.8	62.8	54.8	48.8
Rajkamal Chowk	75.1	58.7	84.4	78.6	72.6	67.3	67.9	45.5	77.2	71.9	64.0	56.4

Chart 4.10: Ambient Noise Levels during Diwali Festival - 2023 in Amaravati







### 4.11 Jalgaon

In Jalgaon region, Shashtri Tower Chowk was the loudest. On 6th November, the highest noise level both during day time and during night time was observed at Shashtri Tower Chowk with 81.1 dB(A) and 46.1 dB(A) respectively. On the day of Laxmi Poojan, the highest noise level during day time was observed near Shashtri Tower Chowk with 89.4 dB(A) and during night time, it was observed highest at near Civil Hospital with 78.7 dB(A). On 14th November, the highest noise level during day and nighttime was observed at Shashtri Tower Chowk i.e 81.2 dB(A) and 67.7 dB(A) respectively.

**Table 4.11: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Jalgaon**

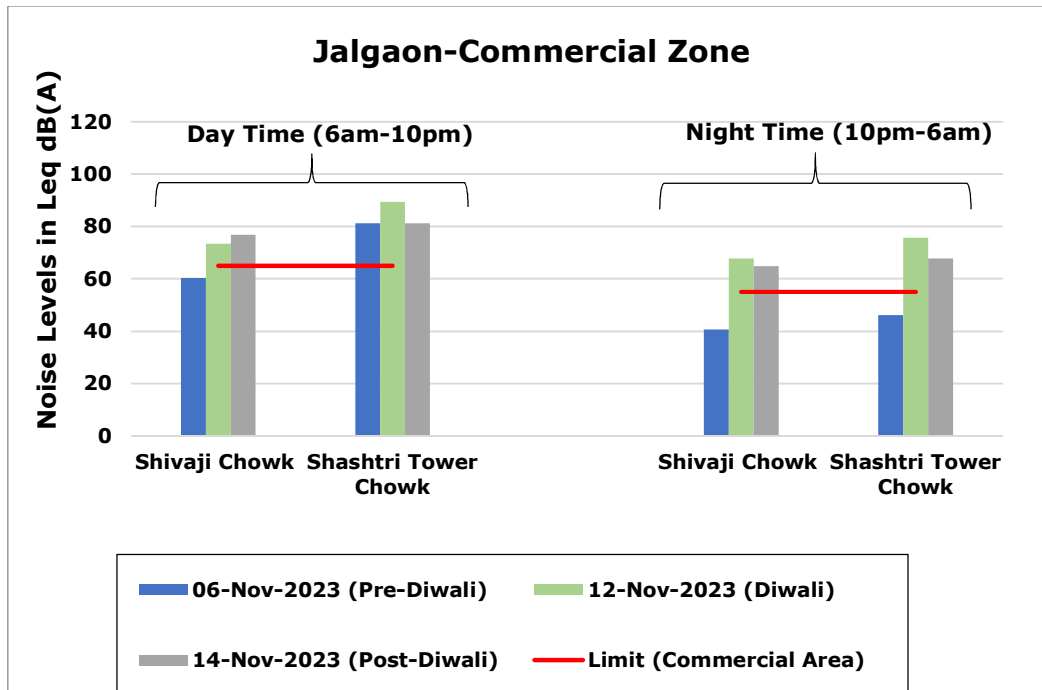
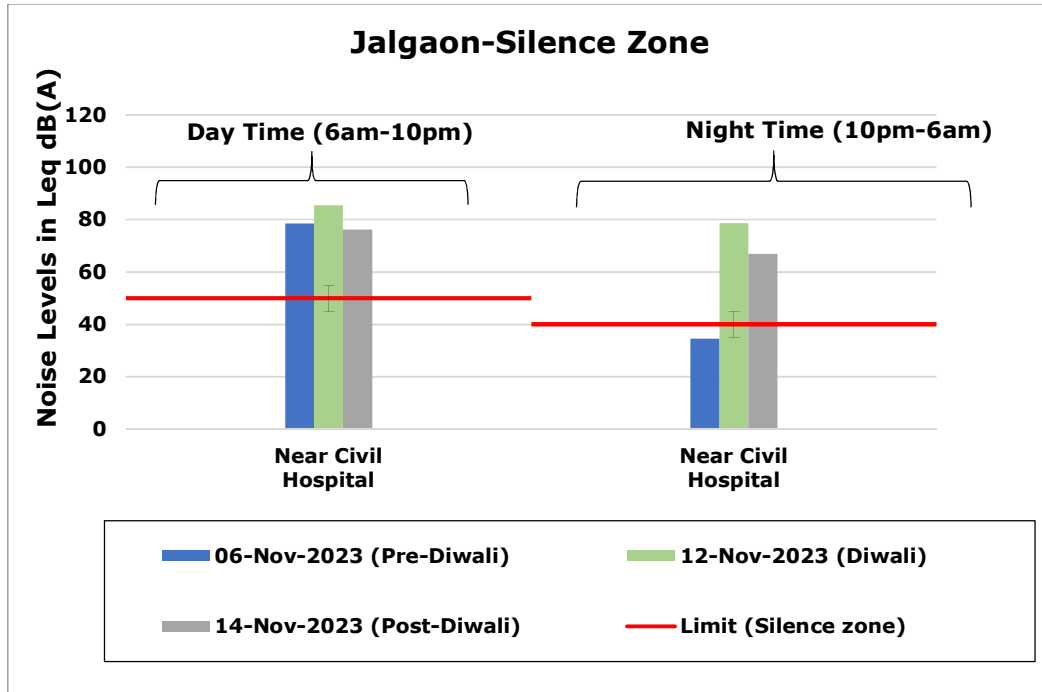
Pre-Diwali (6th November 2023) - JALGAON												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Near Civil Hospital	78.6	34.8	89.1	83.1	57.7	36.5	34.6	31.1	38.4	36.8	34.1	32.1
Shivaji Chowk	60.3	35.5	72.3	89.3	69.2	60.8	40.7	31.2	49.8	44.0	36.0	32.6
Shashtri Tower Chowk	81.1	64.6	91.5	82.1	78.3	71.5	46.1	33.8	61.5	78.9	56.3	45.3

Diwali (12th November 2023) - JALGAON												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Near Civil Hospital	85.4	35.3	95.5	89.2	80.8	62.2	78.7	40.1	89.3	83.3	65.2	47.6
Shivaji Chowk	73.4	47.8	86.8	77.3	69.8	55.3	67.8	31.9	79.8	70.4	45.6	35.1

Diwali (12th November 2023) - JALGAON												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shashtri Tower Chowk	89.4	34.4	99.6	94.5	82.1	59.2	75.7	32.2	86.9	79.6	69.9	35.7

Post-Diwali (14th November 2023) - JALGAON												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Near Civil Hospital	76.3	37.8	85.1	81.3	70.5	47.6	67.0	36.8	80.2	69.6	47.6	38.4
Shivaji Chowk	76.8	42.8	86.8	82.3	67.9	55.2	64.9	35.8	75.4	71.0	43.7	37.9
Shashtri Tower Chowk	81.2	35.9	92.7	86.7	74.5	46.3	67.7	36.2	79.2	71.4	47.5	38.1

Chart 4.11: Ambient Noise Levels during Diwali Festival - 2023 in Jalgaon



## 4.12 Kolhapur

In Kolhapur region, five locations were monitored for ambient noise levels during Diwali-2023. On 6<sup>th</sup> November, the highest noise level was observed at Tara Rani i.e. 87.8 dB(A) during daytime and 65.0 dB(A) at night time. On the day of Laxmi pooja i.e. on 12<sup>th</sup> November, the highest noise level during day time was observed at Papachi Tikti with 92.7 dB(A) and during night time was observed at Tara Rani with 78.2 dB(A). On 14<sup>th</sup> November, the highest noise level both during day time as well as night time was observed at tara rani with 88.0 dB(A) and 64.9 dB(A) respectively.

**Table 4.12: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Kolhapur**

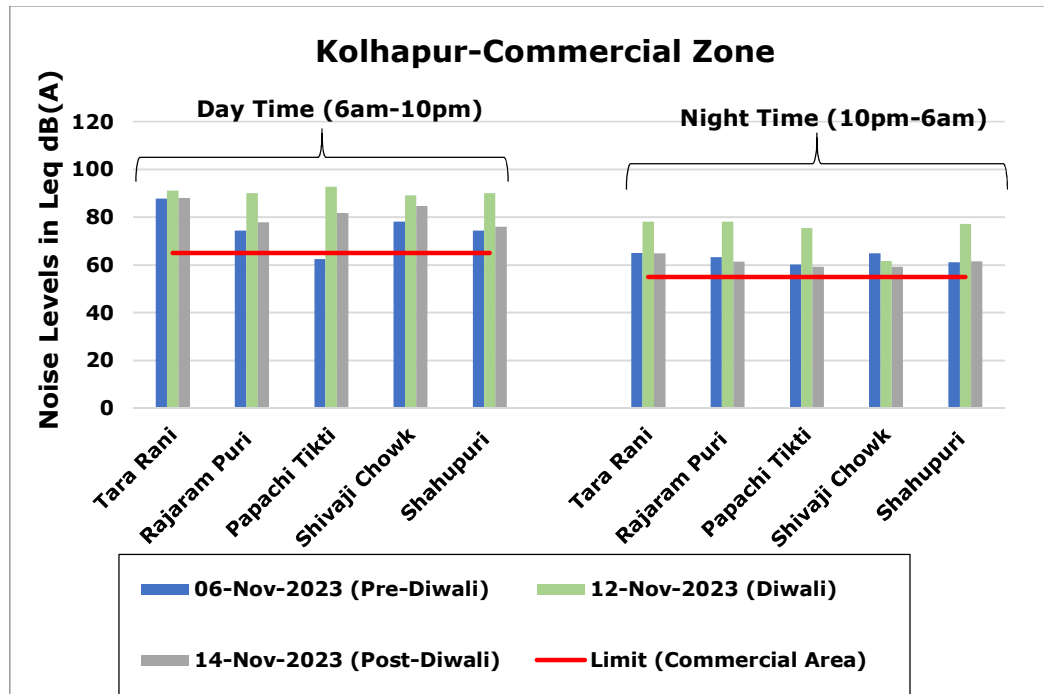
Pre-Diwali (6th November 2023) - KOLHAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Tara Rani	87.8	65.8	97.6	92.3	84.4	74.9	65.0	43.2	75.3	68.8	60.3	48.8
Rajaram Puri	74.5	60.3	85.3	77.5	72.2	64.9	63.3	49.5	72.2	66.8	60.1	52.6
Papachi Tikti	62.5	48.5	72.5	66.5	60.5	52.9	60.3	40.5	72.2	64.2	53.3	43.2
Shivaji Chowk	78.1	52.3	88.6	82.5	72.6	66.2	64.8	50.4	75.5	69.1	57.6	52.2
Shahupuri	74.4	47.6	85.2	78.7	69.7	55.7	61.1	43.3	72.2	64.5	56.3	48.7

Diwali (12th November 2023) - KOLHAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Tara Rani	91.2	72.5	102.3	94.7	86.9	79.5	78.2	51.2	94.6	80.5	69.1	58.8
Rajaram Puri	90.0	62.9	101.7	94.2	84.9	76.8	78.2	51.2	94.6	80.5	69.1	58.8

Diwali (12th November 2023) - KOLHAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Papachi Tikti	92.7	60.5	105.8	97.5	84.7	72.5	75.4	40.3	91.6	72.8	52.7	45.8
Shivaji Chowk	89.2	62.3	101.3	94.6	81.6	72.3	61.7	40.6	72.3	64.9	56.8	48.8
Shahupuri	90.1	58.9	103.5	94.7	82.5	70.5	77.3	42.6	92.6	80.7	61.8	50.3

Post-Diwali (14th November 2023) - KOLHAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Tara Rani	88.0	62.3	97.8	92.8	82.5	72.5	64.9	42.8	75.6	70.1	56.4	47.5
Rajaram Puri	77.9	58.5	88.9	81.6	72.5	64.7	61.3	40.6	72.3	62.9	55.8	47.8
Papachi Tikti	81.8	52.3	96.3	84.9	72.3	60.8	59.3	40.3	70.3	62.8	52.8	43.6
Shivaji Chowk	84.8	62.3	96.8	87.9	80.2	70.9	59.3	40.9	72.3	62.3	54.9	47.5
Shahupuri	76.1	52.3	88.2	80.3	70.8	60.9	61.6	40.3	76.8	62.3	54.7	47.6

Chart 4.12: Ambient Noise Levels during Diwali Festival - 2023 in Kolhapur



### 4.13 Sangli

Three locations were monitored for Sangli region. On 6th and 14th November, the highest noise level during day time and night time was observed at Ganpati Peth. However, on 12th November, Ganpati Peth was found with the highest equivalent noise levels during day (90.2 dBA) at Ganpati Peth and during night (68.8 dBA) at Herbhat Road.

**Table 4.13: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Sangli**

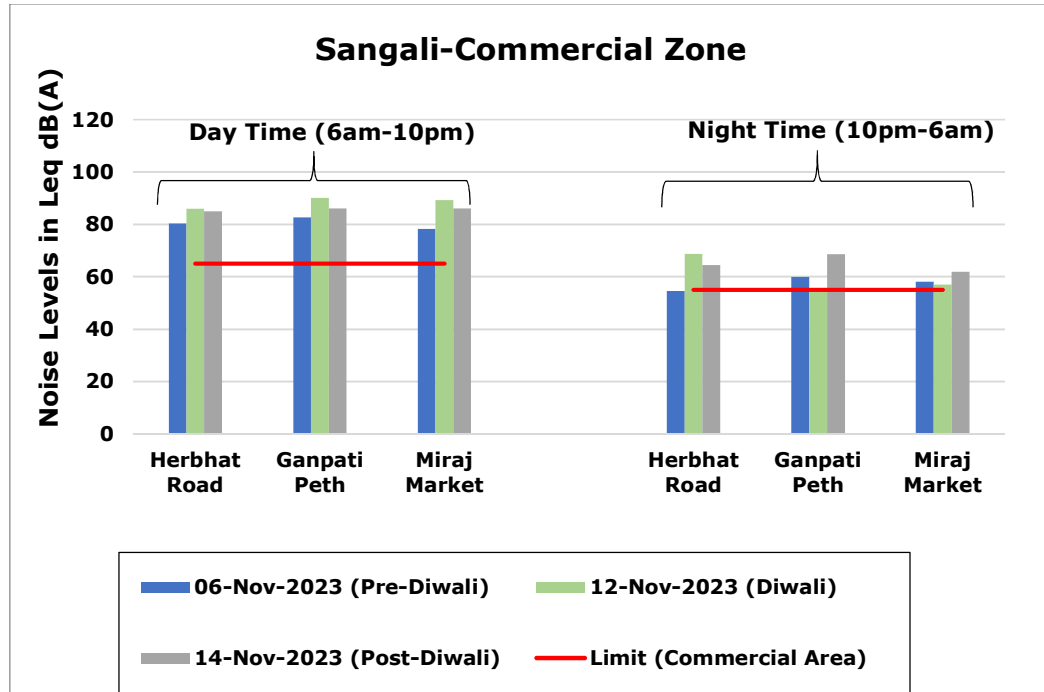
Pre-Diwali (6th November 2023) - SANGLI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Herbhat Road	80.4	51.3	96.1	82.0	68.9	58.9	54.5	42.3	64.9	57.8	52.3	47.6
Ganpati Peth	82.7	51.3	94.3	87.4	77.7	60.8	59.9	50.3	69.3	62.5	56.2	51.8
Miraj Market	78.3	52.6	88.8	82.4	72.5	63.4	58.1	40.3	72.6	59.5	50.3	42.5

Diwali (12th November 2023) - SANGLI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Herbhat Road	86.0	52.8	97.2	89.5	81.5	67.7	68.8	48.9	82.5	72.3	61.2	51.9
Ganpati Peth	90.2	62.3	98.9	94.7	85.6	72.8	54.9	42.3	62.5	58.9	52.3	46.2
Miraj Market	89.2	64.9	98.9	94.3	83.2	72.5	57.0	41.2	66.3	61.4	52.6	45.0

Post-Diwali (14th November 2023) - SANGLI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Herbhat Road	85.0	50.2	95.8	89.4	80.2	68.8	64.4	43.5	73.6	67.8	61.3	53.5
Ganpati Peth	86.2	62.5	96.9	90.5	81.8	72.6	68.7	43.6	82.6	71.3	62.5	52.5
Miraj Market	86.1	54.8	96.3	90.7	80.9	68.4	61.9	42.6	75.2	64.8	55.8	48.8



Chart 4.13: Ambient Noise Levels during Diwali Festival - 2023 in Sangli



#### 4.14 Mira-Bhayander

In Mira-Bhayander also three locations were monitored. On 6th November, the highest noise level during day time was observed at Shivaji Chowk with 74.1 dB(A) and during night time was observed at Bhakti Vedant Hospital with 69.2 dB(A). On 12th November, the highest noise level during day time was observed at Golden police Chowki with 78.9 dB(A) and during night time was observed at Bhakti Vedant Hospital with 77.4 dB(A). However, on 14th November, Golden police Chowki was observed with highest decibels during day and night both.

**Table 4.14: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Mira-Bhayander**

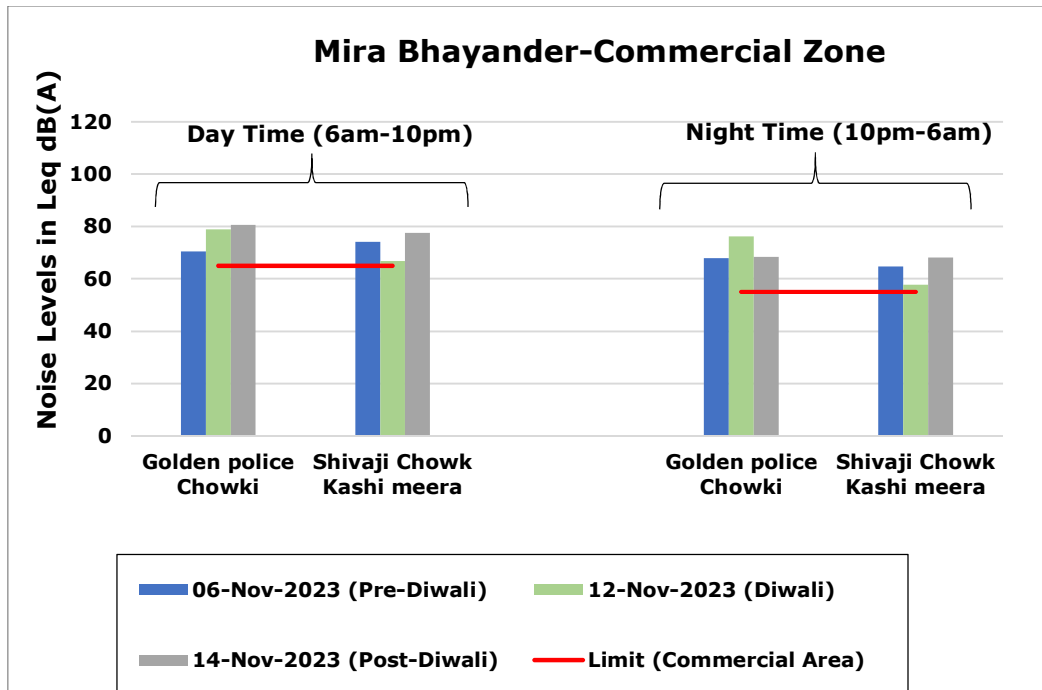
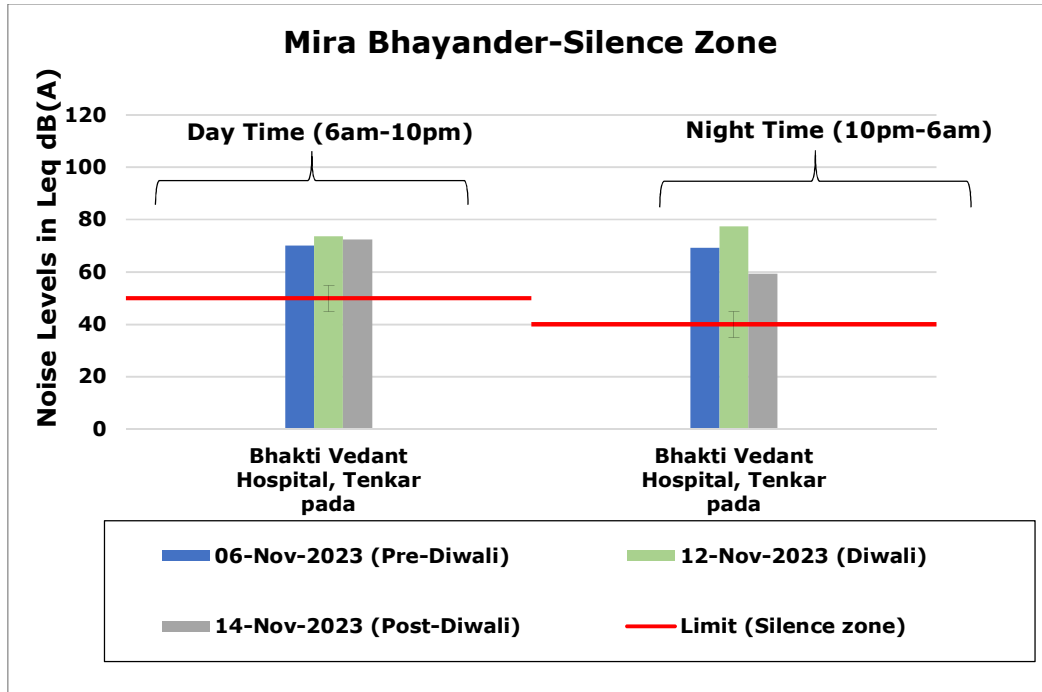
Pre-Diwali (6th November 2023) – MIRA BHAYANDER												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Bhakti Vedant Hospital	70.1	40.4	80.0	73.1	68.1	58.5	69.2	49.0	83.4	73.1	57.4	52.8
Golden Police Chowki	70.4	54.4	80.0	73.5	67.5	59.4	67.8	49.6	78.4	72.9	59.0	53.4
Shivaji Chowk Kashi meera	74.1	50.8	86.2	76.6	71.0	62.1	64.7	44.5	75.3	68.0	62.6	52.8

Diwali (12th November 2023) – MIRA BHAYANDER												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Bhakti Vedant Hospital	73.7	59.3	82.6	78.3	70.3	63.1	77.4	50.5	89.7	79.8	63.8	57.5

Diwali (12th November 2023) – MIRA BHAYANDER												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Golden Police Chowki	78.9	47.6	89.2	81.9	77.4	54.3	76.2	45.3	90.2	80.2	59.2	49.8
Shivaji Chowk Kashi meera	66.8	40.8	83.7	68.4	59.6	52.2	57.7	44.6	70.1	61.9	50.8	46.8

Post-Diwali (14th November 2023) – MIRA BHAYANDER												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Bhakti Vedant Hospital	72.4	48.3	83.7	76.1	69.3	62.5	59.3	37.3	73.2	59.8	47.6	39.9
Golden Police Chowki	80.6	56.5	94.2	84.2	70.6	65.6	68.4	58.8	75.8	71.2	67.3	60.8
Shivaji Chowk Kashi meera	77.5	59.5	87.7	81.5	72.5	64.1	68.1	50.5	78.1	72.8	60.2	54.2

Chart 4.14: Ambient Noise Levels during Diwali Festival - 2023 in Mira-Bhayander



#### 4.15 Vasai-Virar

On 6th November, the highest noise level during day time was observed at Valiv phata with 63.9 dB(A) and during night time was observed at Range office with 61.7 dB(A). On 12th November, the highest noise level during day time was observed at N.B. Estate with 83.6 dB(A) and during night time was observed at N.B. Estate with 79.1 dB(A). On 14th November, the highest noise level during day time was observed at Range office with 71.5 dB(A) and during night time was observed at Range office with 69.1 dB(A).

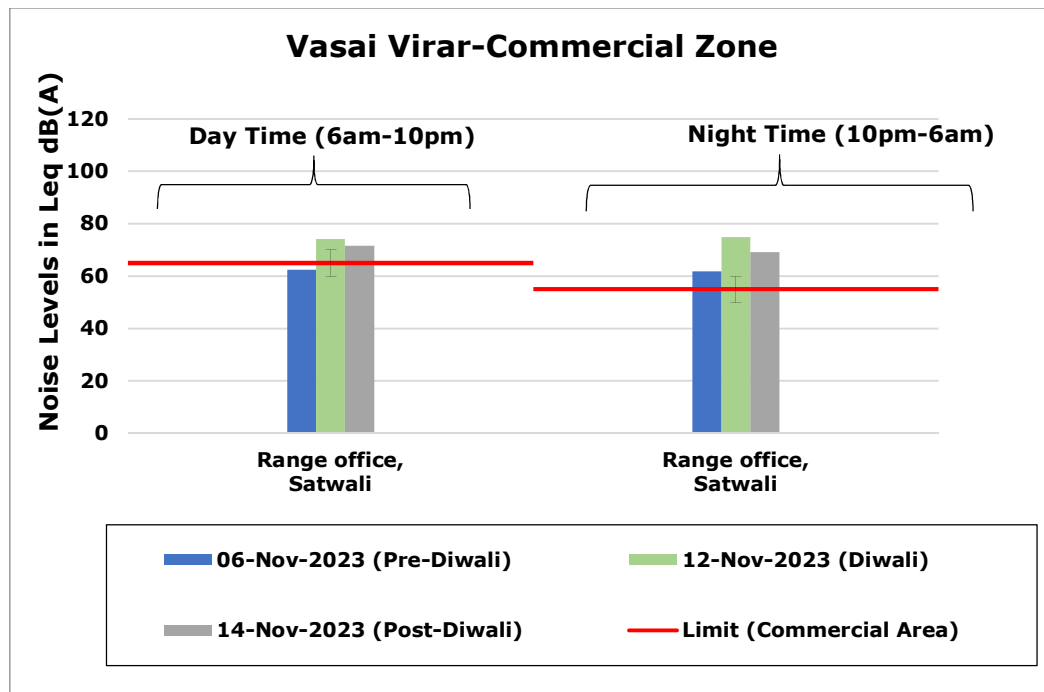
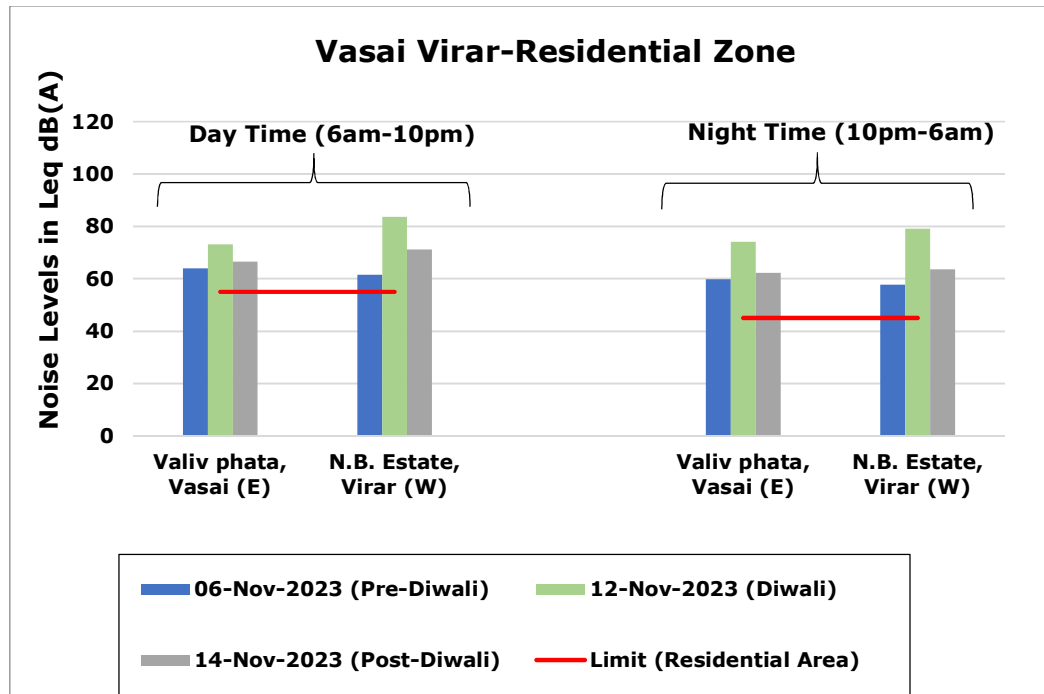
**Table 4.15: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Vasai-Virar**

Pre-Diwali (6th November 2023) – VASAI-VIRAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Range office	62.4	51.2	69.9	65.6	61.3	56.3	61.7	52.2	69.4	64.7	59.7	55.6
Valiv phata	63.9	53.3	73.2	67.4	61.9	56.9	59.9	48.9	69.7	62.5	58.4	52.5
N.B. Estate	61.5	53.6	69.5	63.9	59.7	56.8	57.7	48.3	63.1	61.3	56.8	51.4

Diwali (12th November 2023) – VASAI-VIRAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Range office	74.2	52.6	84.3	77.8	69.5	59.9	74.8	50.3	89.3	76.2	59.5	52.5
Valiv phata	73.2	52.3	84.3	78.5	63.9	53.3	74.1	50.3	87.3	79.3	57.3	52.6
N.B. Estate	83.6	60.3	92.5	87.5	79.9	75.5	79.1	57.9	87.8	79.9	76.7	69.6

Post-Diwali (14th November 2023) – VASAI-VIRAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Range office	71.5	51.6	81.6	76.4	67.7	61.5	69.1	51.7	81.4	71.9	58.6	53.8
Valiv phata	66.5	52.1	74.1	69.3	63.6	57.3	62.3	52.1	73.3	67.1	57.1	52.6
N.B. Estate	71.2	56.8	81.6	73.3	69.6	63.2	63.6	57.3	72.9	64.9	62.8	59.8

Chart 4.15: Ambient Noise Levels during Diwali Festival - 2023 in Vasai-Virar



#### 4.16 Ulhasnagar

At Ulhasnagar three locations were monitored for checking the Diwali noise levels. On 6th November, the highest noise level during day time was observed at Camp No. 5 with 79.6 dB(A) and during night time was observed at Camp No. 1 with 72.9 dB(A). On 12th November, the highest noise level during day time was observed at Camp No. 1 with 85.3 dB(A) and during night time was observed at Camp No. 1 with 76.2 dB(A). On 14th November, the highest noise level during day time was observed at Shivaji Chowk with 85.3 dB(A) and during night time was observed at Shivaji Chowk with 76.6 dB(A).

**Table 4.16: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Ulhasnagar**

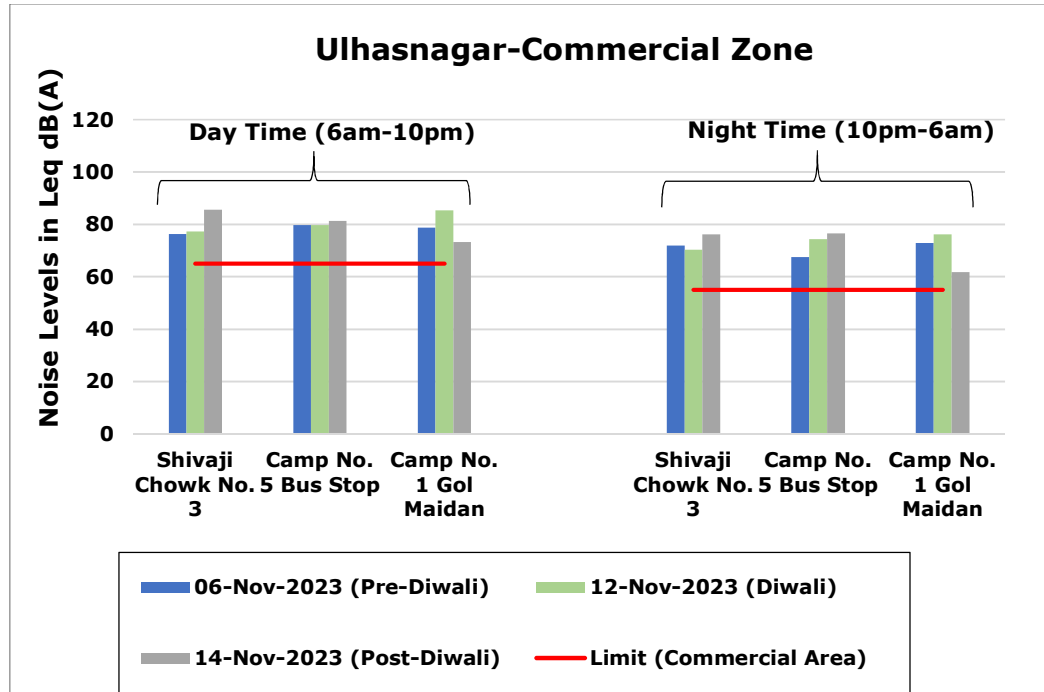
Pre-Diwali (6th November 2023) - ULHASNAGAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	76.3	42.3	87.0	81.0	71.5	61.3	71.8	40.0	83.4	76.4	50.7	43.2
Camp No. 5	79.6	55.6	89.3	83.8	75.8	67.1	67.5	38.1	80.1	70.4	48.3	40.7
Camp No. 1	78.8	42.3	91.3	83.0	74.2	64.2	72.9	43.2	85.6	76.3	54.2	45.6

Diwali (12th November 2023) - ULHASNAGAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	77.2	45.5	87.8	80.7	75.2	52.2	70.4	48.2	80.0	75.0	60.5	51.4
Camp No. 5	79.7	46.2	88.7	83.9	76.4	53.6	74.4	36.9	88.1	78.7	50.9	40.7
Camp No. 1	85.3	47.6	96.4	90.1	81.2	54.3	76.2	45.3	90.2	80.2	59.2	49.8



Post-Diwali (14th November 2023) - ULHASNAGAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	85.6	42.8	97.7	90.0	79.0	56.3	76.3	47.5	88.9	80.2	60.4	50.9
Camp No. 5	81.3	50.4	89.6	85.3	79.5	60.2	76.6	36.1	88.4	81.3	48.6	40.0
Camp No. 1	73.3	48.3	83.7	77.1	70.7	63.1	61.7	48.1	71.3	65.4	58.3	51.3

Chart 4.16: Ambient Noise Levels during Diwali Festival - 2023 in Ulhasnagar



#### 4.17 Bhiwandi-Nizampur

In Bhiwandi-Nizampur also, three locations were monitored for ambient noise levels. On 6th November, the highest noise level during day time was observed at Shelar Near Nadi naka with 75.2 dB(A) and during night time was observed at Shelar Near Nadi naka with 70.1 dB(A). On 12th November, the highest noise level during day time was observed at Dhamankar Naka with 78.7 dB(A) and during night time was observed at Shelar Near Nadi naka with 73.2 dB(A). On 14th November, the highest noise level during day time was observed at Dhamankar Naka with 76.5 dB(A) and during night time was observed at Dhamankar Naka with 68.0 dB(A).

**Table 4.17: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Bhiwandi-Nizampur**

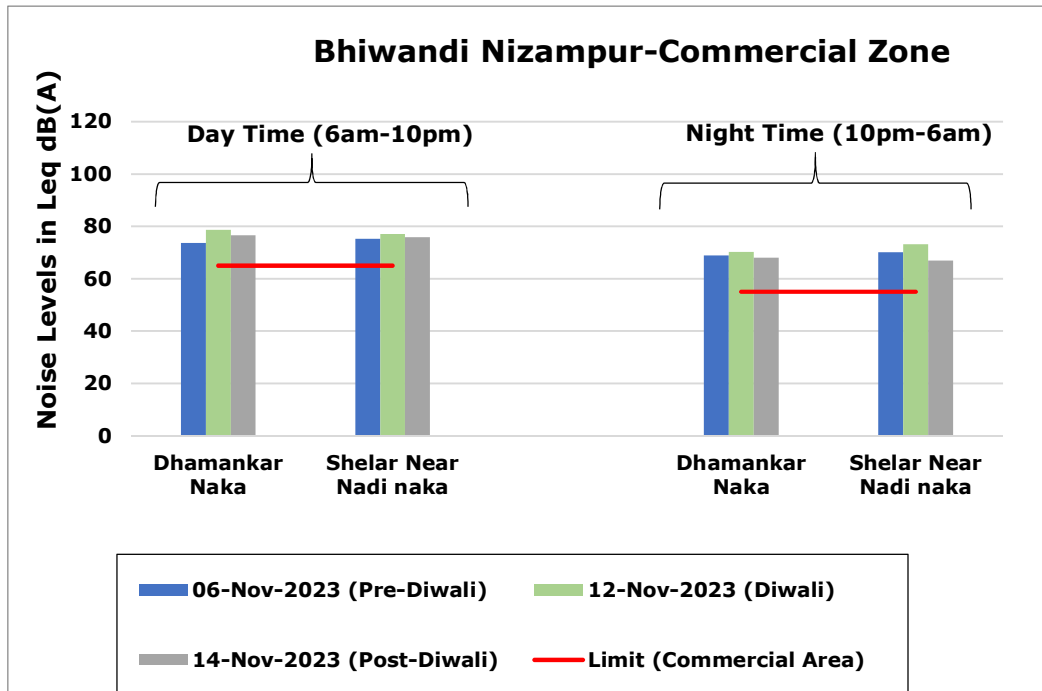
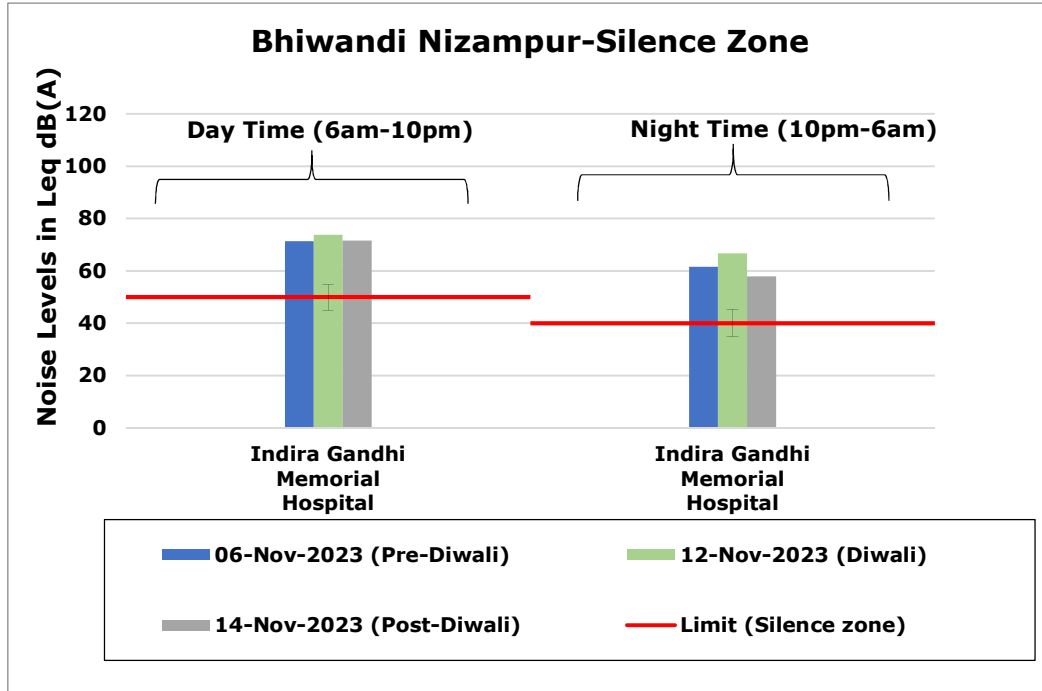
Pre-Diwali (6th November 2023) – BHIWANDI-NIZAMPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Dhamankar Naka	73.6	47.7	80.7	78.2	70.2	62.3	68.9	45.2	79.7	71.1	62.7	54.2
Indira Gandhi Memorial Hospital	71.3	43.1	79.7	76.2	68.5	58.4	61.5	41.4	69.4	67.0	57.0	48.0
Shelar Near Nadi naka	75.2	48.7	82.4	79.4	72.6	62.3	70.1	40.4	79.6	75.2	62.5	49.4

Diwali (12th November 2023) – BHIWANDI-NIZAMPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Dhamankar Naka	78.7	56.7	98.4	78.8	71.9	64.2	70.2	50.1	78.1	75.6	65.2	57.5

Diwali (12th November 2023) – BHIWANDI-NIZAMPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Indira Gandhi Memorial Hospital	73.8	50.4	80.5	78.4	70.5	59.8	66.6	45.0	78.4	69.5	60.2	50.8
Shelar Near Nadi naka	77.1	49.7	85.5	80.1	76.4	65.3	73.2	44.1	83.8	78.5	67.7	53.5

Post-Diwali (14th November 2023) – BHIWANDI-NIZAMPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Dhamankar Naka	76.5	44.1	86.4	79.4	75.1	60.7	68.0	40.1	81.1	70.1	59.2	48.4
Indira Gandhi Memorial Hospital	71.6	40.4	79.8	76.5	67.4	52.3	58.0	40.4	68.7	61.0	50.4	45.0
Shelar Near Nadi naka	75.8	40.5	85.3	79.7	73.4	60.4	66.9	40.4	79.6	69.8	58.4	46.4

Chart 4.17: Ambient Noise Levels during Diwali Festival - 2023 in Bhiwandi-Nizampur



## 4.18 Chandrapur

In Chandrapur, on 6th November, the highest noise level during day time was observed at Jatpura Gate with 75.0 dB(A) and during night time was observed at Warora Naka with 64.9 dB(A). On 12th November, the highest noise level during day time was observed at Gandhi Chowk with 81.1 dB(A) and during night time was observed at Warora Naka with 69.8 dB(A). On 14th November, the highest noise level during day time was observed at Jatpura Gate with 73.6 dB(A) and during night time was observed at Jatpura Gate with 70.8 dB(A).

**Table 4.18: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Chandrapur**

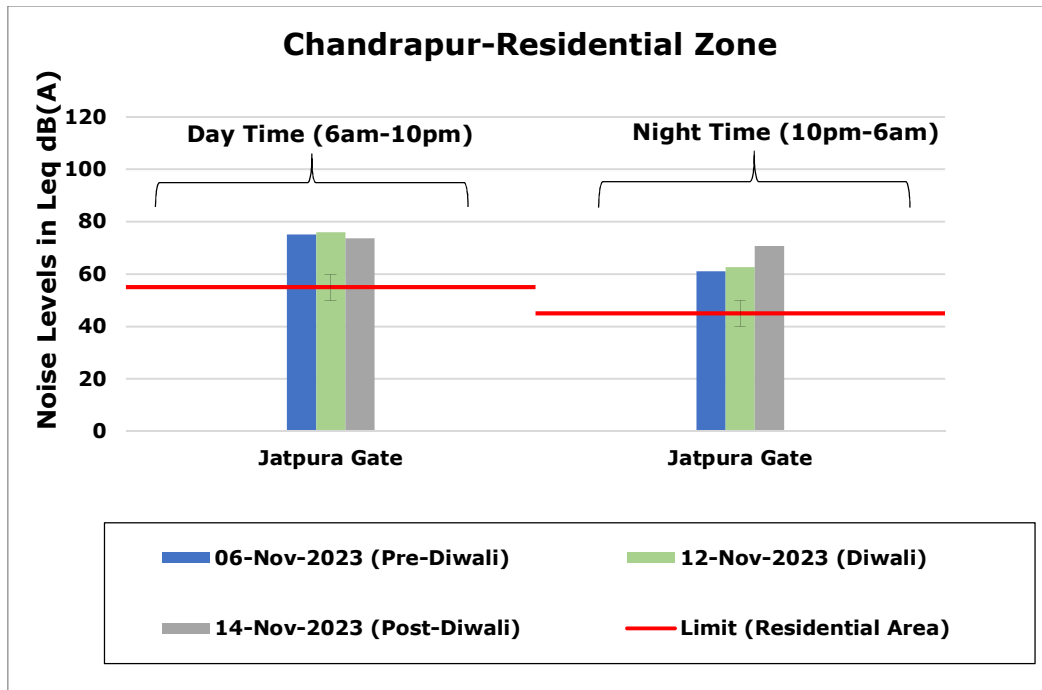
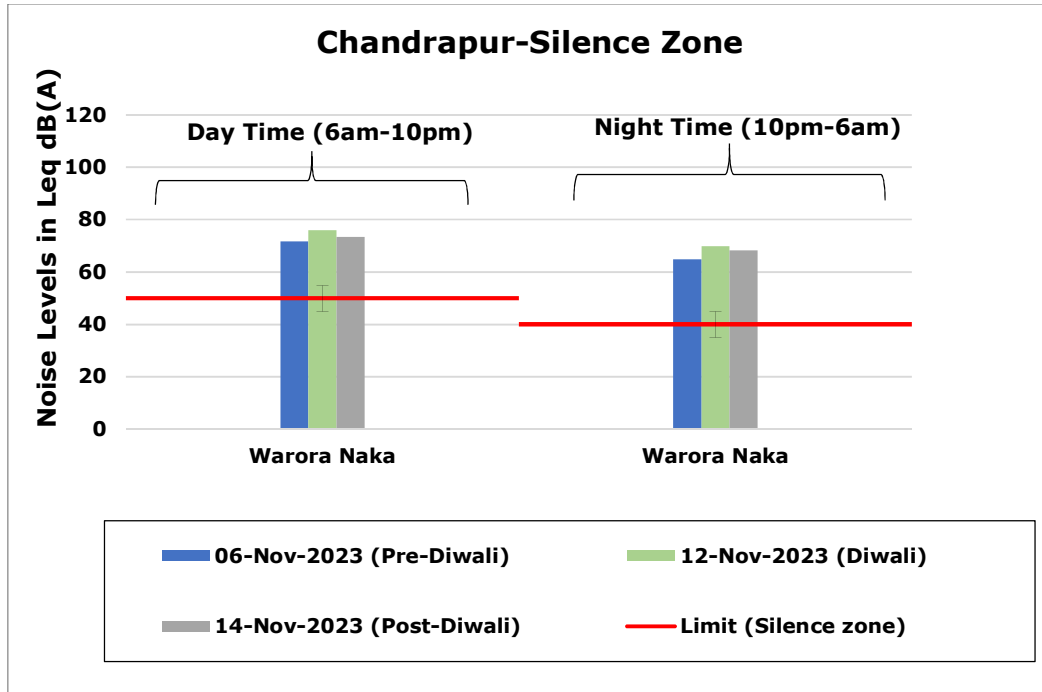
Pre-Diwali (6th November 2023) - CHANDRAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gandhi Chowk	74.3	61.3	82.4	78.0	72.6	66.5	63.7	51.6	70.8	67.3	60.5	55.2
Jatpura Gate	75.0	56.7	90.2	77.6	69.5	63.3	61.1	38.3	71.4	64.7	55.6	42.1
Warora Naka	71.7	54.6	82.4	75.1	70.0	63.2	64.9	54.2	73.5	67.8	63.1	59.2

Diwali (12th November 2023) - CHANDRAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gandhi Chowk	81.1	58.9	92.7	84.1	74.3	68.8	68.3	56.7	80.7	70.5	64.0	60.0
Jatpura Gate	75.9	57.5	88.3	79.2	73.8	68.5	62.6	48.3	72.5	66.0	57.9	50.6

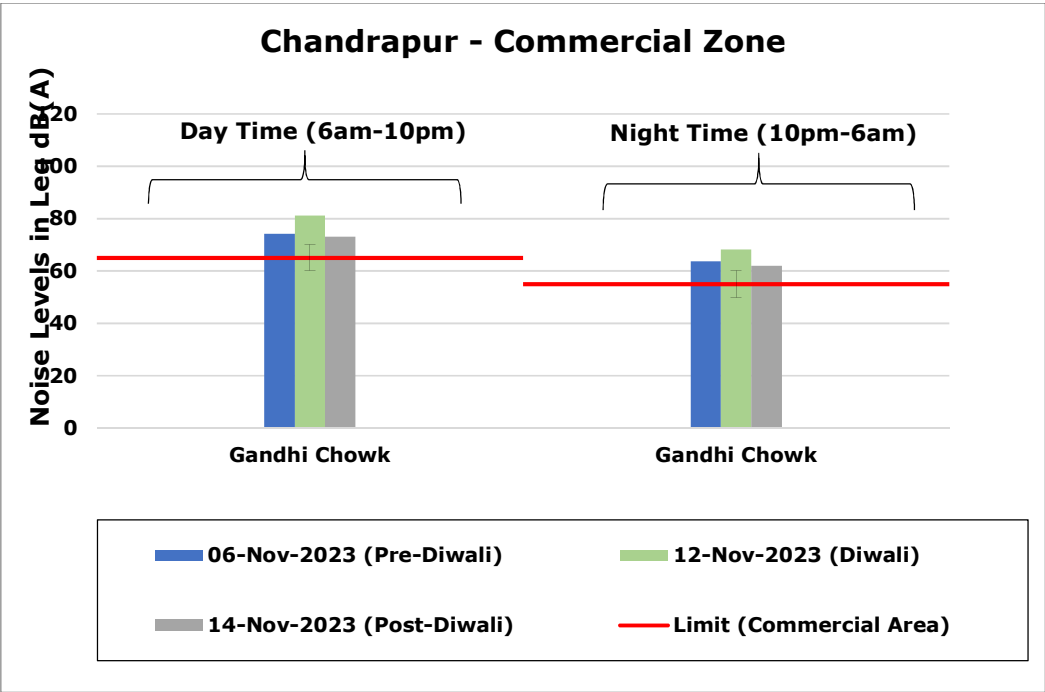
Diwali (12th November 2023) - CHANDRAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Warora Naka	75.9	50.6	93.5	75.4	67.5	58.2	69.8	41.1	88.3	64.0	55.1	46.8

Post-Diwali (14th November 2023) - CHANDRAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gandhi Chowk	73.1	57.7	86.3	74.9	69.9	65.2	62.1	41.3	73.9	65.4	54.8	46.4
Jatpura Gate	73.6	52.4	85.5	77.8	70.2	60.7	70.8	41.1	83.4	75.8	60.2	43.1
Warora Naka	73.4	56.3	82.6	76.8	70.5	63.9	68.2	53.9	80.1	70.9	64.6	58.7

Chart 4.18: Ambient Noise Levels during Diwali Festival - 2023 in Chandrapur







#### 4.19 Nanded-Waghala

At Nanded-Waghala also, three locations were monitored. The equivalent noise level on 6th November and 14th November during day time was observed highest at Shree Guru GovindSingh Govt. Medical College & Hospital. On 12th November, Ganesh Nagar had the highest noise level during daytime (59.0 dBA). However, during night time, Shree Guru GovindSingh Govt. Medical College & Hospital was recorded with highest equivalent noise level with 60.8 dB(A) and 62.0 on 12<sup>th</sup> and 14<sup>th</sup> November respectively. On 6th November, Ganesh Nagar had the highest noise level during night time (43.9 dBA).

**Table 4.19: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Nanded-Waghala**

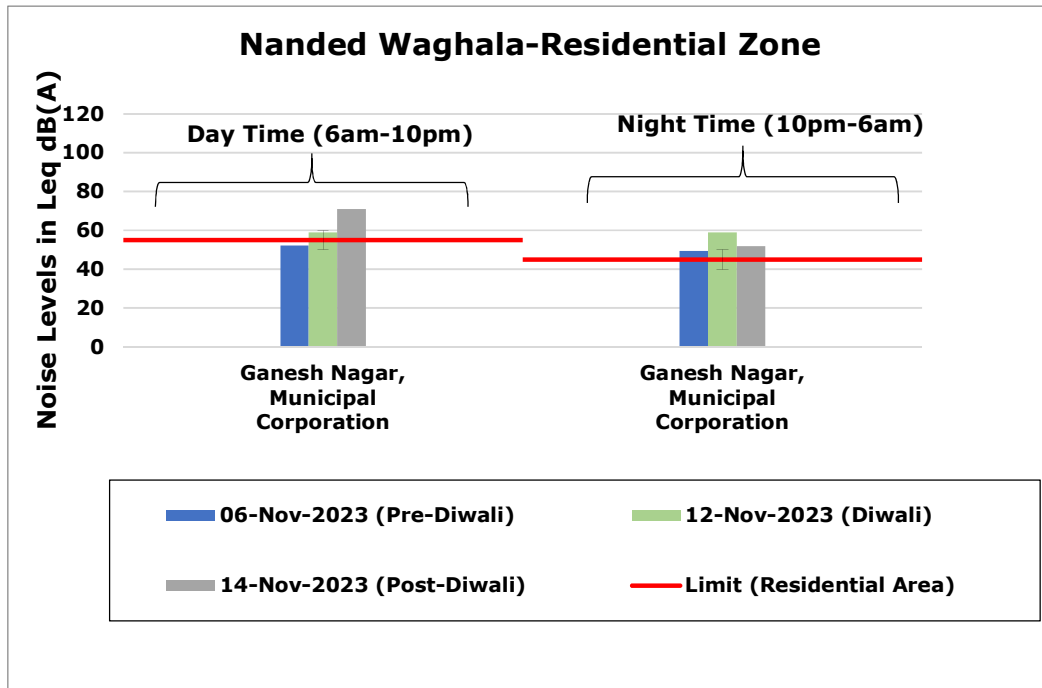
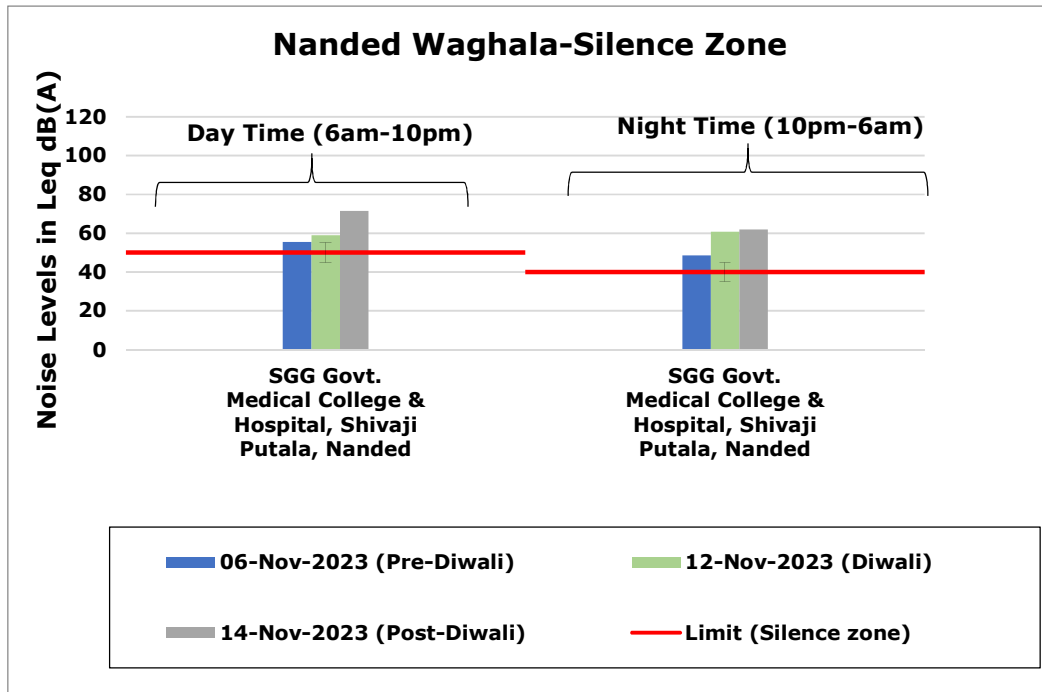
Pre-Diwali (6th November 2023) – NANDED WAGHALA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ganesh Nagar	52.2	46.0	64.0	58.0	54.0	48.0	49.3	42.0	55.0	52.0	49.0	45.0
Shivaji Nagar	55.0	45.0	63.0	58.0	53.0	59.0	48.6	41.0	53.0	51.0	48.5	44.0
SGG Govt. Medical College & Hospital	55.4	46.0	62.0	59.0	54.0	50.0	48.5	41.0	54.0	51.0	48.0	43.0

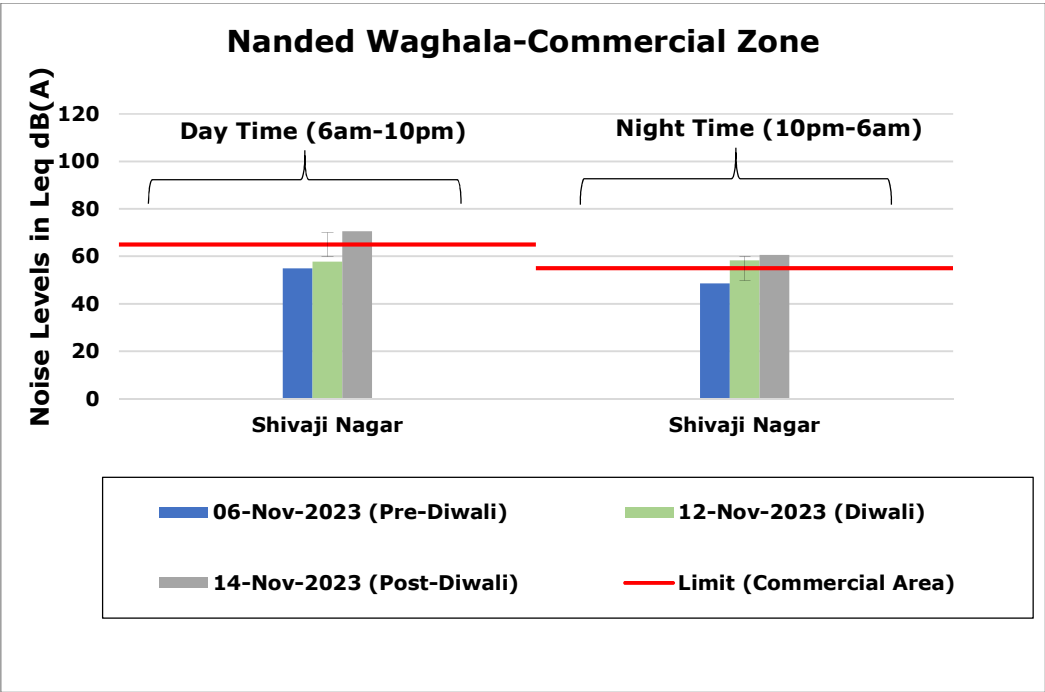
Diwali (12th November 2023) - NANDED WAGHALA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ganesh Nagar	59.0	52.0	66.0	62.0	58.0	54.0	59.0	41.0	67.0	65.0	51.0	43.0
Shivaji Nagar	57.8	49.0	65.0	61.0	56.0	53.0	58.4	42.0	70.0	64.0	52.0	44.0

Diwali (12th November 2023) - NANDED WAGHALA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
SGG Govt. Medical College & Hospital	58.9	53.0	66.0	62.0	58.0	55.0	60.8	43.0	70.0	66.0	53.0	48.9

Post-Diwali (14th November 2023) - NANDED WAGHALA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ganesh Nagar	71.0	53.0	76.0	74.0	71.0	60.0	51.8	39.0	60.0	56.0	49.0	41.0
Shivaji Nagar	70.5	520.0	75.0	74.0	70.0	61.0	60.7	39.0	71.0	66.0	52.0	43.0
SGG Govt. Medical College & Hospital	71.4	52.0	80.0	74.0	71.0	63.0	62.0	42.0	70.0	67.1	50.0	43.0

Chart 4.19: Ambient Noise Levels during Diwali Festival - 2023 in Nanded-Waghala





## 4.20 Ahmednagar

On 6th November, the highest noise level during day time was observed at Kotala Chowk with 77.7 dB(A) and during night time was observed at Old Bus Stand with 63.3 dB(A). On 12th November, the highest noise level during day time was observed at Old Bus Stand with 70.1 dB(A) and during night time was observed at Old Bus Stand with 58.9 dB(A). On 14th November, the highest noise level during day time was observed at Kotala Chowk with 77.7 dB(A) and during night time was observed at Chitale Road with 60.3 dB(A).

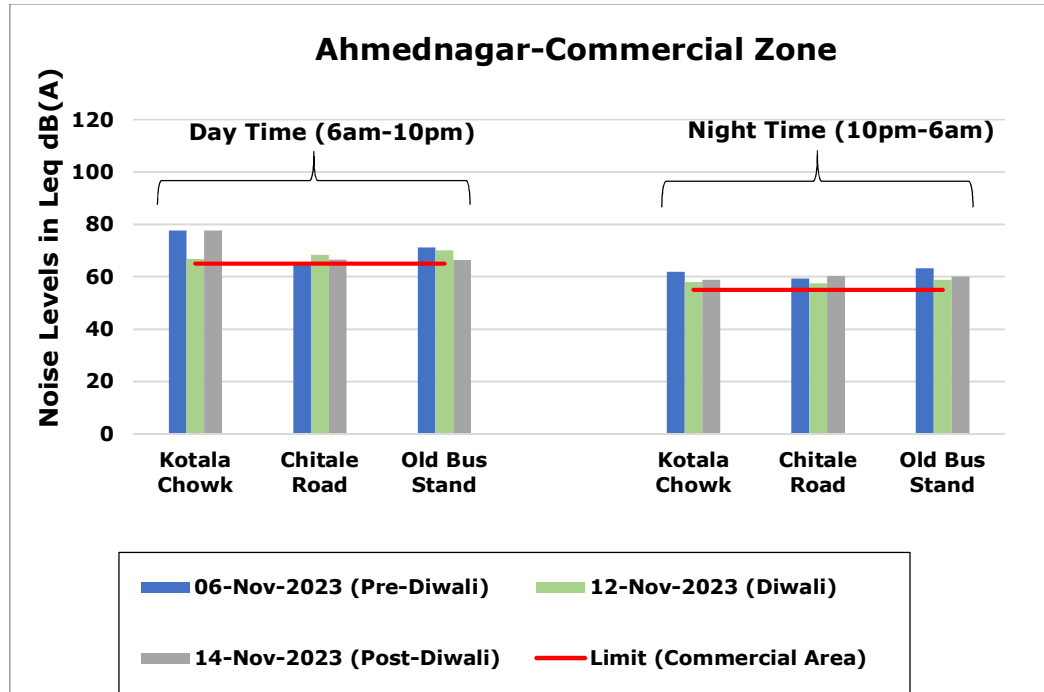
**Table 4.20: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Ahmednagar**

Pre-Diwali (6th November 2023) - AHMEDNAGAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Kotala Chowk	77.7	54.0	76.0	74.0	71.0	60.0	61.9	54.0	68.0	66.0	60.0	57.0
Chitale Road	65.2	56.0	71.0	68.0	65.0	60.0	59.4	51.0	66.0	64.0	57.0	52.0
Old Bus Stand	71.2	58.0	76.0	74.1	71.0	60.0	63.3	57.0	69.0	65.0	63.0	58.0

Diwali (12th November 2023) - AHMEDNAGAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Kotala Chowk	66.8	53.0	73.0	71.0	64.0	56.0	58.0	50.0	68.0	63.0	54.0	51.0
Chitale Road	68.3	57.0	74.0	72.0	67.0	59.9	57.6	51.0	62.0	61.0	56.0	52.0
Old Bus Stand	70.1	54.0	75.5	72.0	70.0	57.9	58.9	50.0	66.0	63.0	57.0	51.0

Post-Diwali (14th November 2023) - AHMEDNAGAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Kotala Chowk	77.7	54.0	77.0	73.1	65.0	58.0	58.8	48.0	68.0	63.0	53.0	49.9
Chitale Road	66.5	48.0	74.0	70.0	64.0	58.0	60.3	50.0	68.0	64.1	58.0	51.9
Old Bus Stand	66.4	52.0	75.0	70.1	63.0	58.0	60.0	50.0	68.0	63.1	58.0	52.9

Chart 4.20: Ambient Noise Levels during Diwali Festival - 2023 in Ahmednagar





## 4.21 Dhule

At Dhule, on 6th November, the highest noise level during day time was observed at Agrasen Chowk with 70.6 dB(A) and during night time was observed at Agrasen Chowk with 63.3 dB(A). On 12th November, the highest noise level during day time was observed at Santoshi Mata Chowk with 69.1 dB(A) and during night time was observed at Santoshi Mata Chowk with 58.4 dB(A). On 14th November, the highest noise level during day time was observed at Agrasen Chowk with 69.6 dB(A) and during night time was observed at Fulwala Chowk with 60.8 dB(A).

**Table 4.21.: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Dhule**

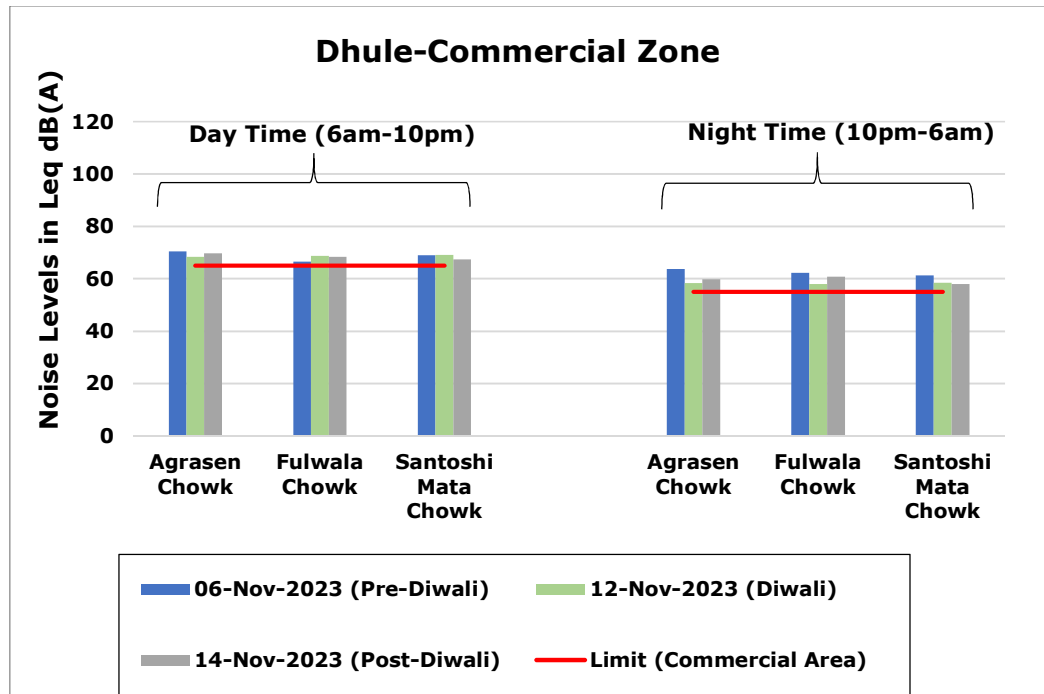
Pre-Diwali (6th November 2023) - DHULE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Agrasen Chowk	70.6	57.0	76.0	74.0	69.0	60.0	63.8	54.0	72.0	69.0	59.0	57.0
Fulwala Chowk	66.6	57.0	74.0	70.0	65.0	60.0	62.2	51.0	71.0	67.1	59.0	55.0
Santoshi Mata Chowk	69.1	52.0	75.0	72.0	68.0	58.0	61.4	52.0	69.0	67.0	58.0	54.0

Diwali (12th November 2023) - DHULE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Agrasen Chowk	68.3	56.0	75.0	72.0	67.0	60.0	58.3	49.0	64.0	62.1	56.0	51.0
Fulwala Chowk	68.8	55.0	75.0	72.0	68.0	63.0	58.0	50.0	64.0	61.1	57.5	51.0

Diwali (12th November 2023) - DHULE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Santoshi Mata Chowk	69.1	55.0	75.0	72.1	68.0	59.0	58.4	50.0	66.0	62.1	54.5	52.0

Post-Diwali (14 <sup>th</sup> November 2023) - DHULE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Agrasen Chowk	69.6	58.0	75.0	73.0	68.0	61.9	59.9	50.0	68.0	64.1	55.5	51.0
Fulwala Chowk	68.5	54.0	77.0	73.0	65.0	58.0	60.8	48.0	69.0	66.0	54.0	50.0
Santoshi Mata Chowk	67.4	55.0	76.0	72.0	63.5	59.0	57.9	47.0	65.0	62.0	55.0	49.0

Chart 4.21: Ambient Noise Levels during Diwali Festival - 2023 in Dhule



## 4.22 Malegaon

At Malegaon, on 6th November, the highest noise level during day time was observed at Satana Naka with 68.9 dB(A) and during night time was observed at Malegaon Camp with 65.2 dB(A). On 12th November, the highest noise level during day time was observed at Mosampul with 69.6 dB(A) and during night time was observed at Mosampul with 57.5 dB(A). On 14th November, the highest noise level during day time was observed at Satana Naka with 69.2 dB(A) and during night time was observed at Mosampul with 64.2 dB(A).

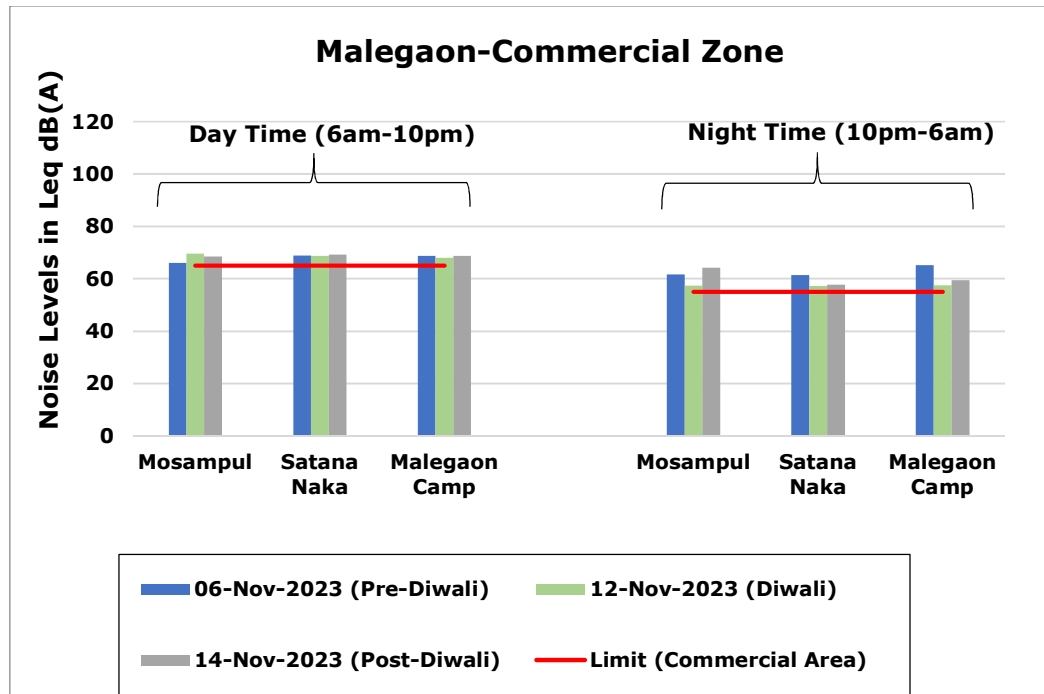
**Table 4.22: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Malegaon**

Pre-Diwali (6th November 2023) - MALEGAON												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Mosampul	66.0	54.0	72.0	69.0	65.0	58.0	61.7	51.0	69.0	66.1	58.0	52.9
Satana Naka	68.9	54.0	75.0	72.0	68.0	59.9	61.4	50.0	69.0	65.1	59.0	54.0
Malegaon Camp	68.8	48.0	75.0	72.0	68.0	59.0	65.2	58.0	71.0	69.0	64.0	59.0

Diwali (12th November 2023) - MALEGAON												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Mosampul	69.6	55.0	76.0	73.0	69.0	59.0	57.5	51.0	64.0	61.0	56.0	52.0
Satana Naka	68.7	56.0	75.0	73.0	67.0	60.0	57.3	50.0	62.0	60.0	56.0	52.0
Malegaon Camp	67.9	52.0	74.0	72.0	66.5	59.0	57.5	52.0	64.0	60.1	56.0	52.9

Post-Diwali (14th November 2023) - MALEGAON												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Mosampul	68.6	54.0	75.0	72.0	67.0	59.0	64.2	49.0	72.0	70.0	55.0	51.0
Satana Naka	69.2	54.0	74.0	73.0	69.0	60.0	57.7	48.0	68.0	62.1	52.0	49.0
Malegaon Camp	68.8	52.0	76.0	74.0	63.5	57.0	59.5	45.0	68.0	65.0	51.0	47.0

Chart 4.22: Ambient Noise Levels during Diwali Festival - 2023 in Malegaon



### 4.23 Pimpri-Chinchwad

At Pimpri-Chinchwad also, three locations were monitored. On 6th November, the highest noise level during day time was observed at Thergaon with 77.7 dB(A) and during night time was observed at Chinchwad with 69.4 dB(A). On 12th November, the highest noise level during day time was observed at Chinchwad with 87.2 dB(A) and during night time was observed at Chinchwad with 72.6 dB(A). On 14th November, the highest noise level during day time was observed at Pimpri with 83.6 dB(A) and during night time was observed at Thergaon with 62.8 dB(A).

**Table 4.23: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Pimpri-Chinchwad**

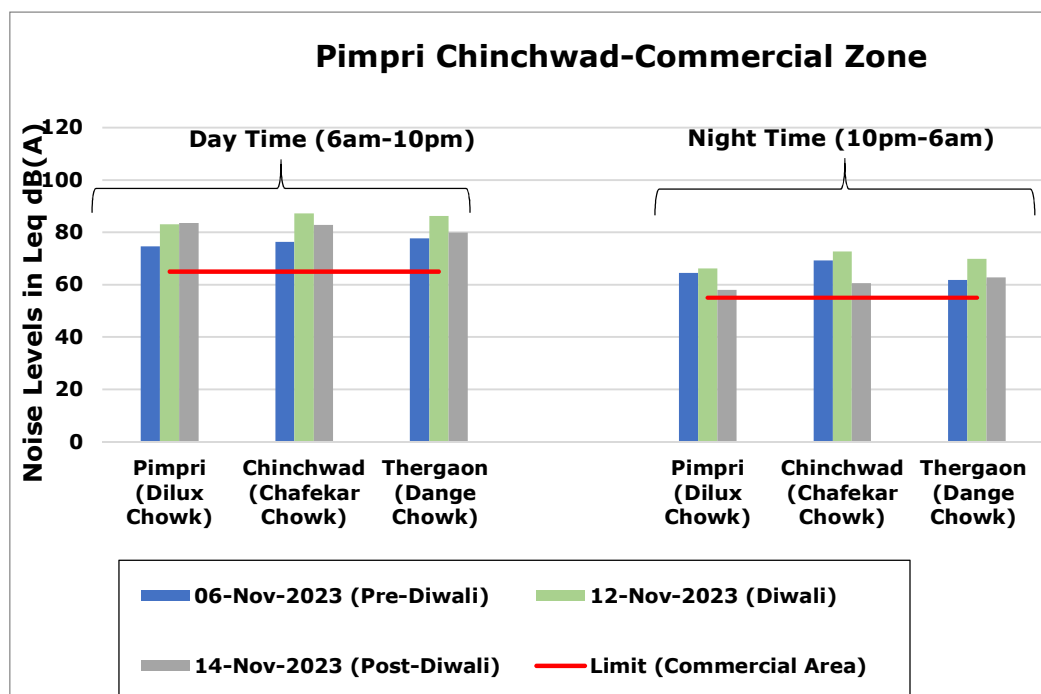
Pre-Diwali (6th November 2023) - PIMPRI-CHINCHWAD												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Pimpri	74.6	56.6	82.3	78.4	73.3	65.5	64.4	42.2	76.6	66.5	55.4	44.7
Chinchwad	76.4	63.3	83.3	79.9	74.5	70.5	69.4	42.2	81.1	71.3	63.3	46.6
Thergaon	77.7	60.3	86.6	81.1	74.5	70.2	61.8	42.2	72.2	65.5	56.0	46.6

Diwali (12th November 2023) - PIMPRI-CHINCHWAD												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Pimpri	83.1	58.9	97.3	85.6	75.6	68.9	66.2	43.6	76.9	71.0	60.5	50.2
Chinchwad	87.2	64.8	99.6	91.6	79.2	70.2	72.6	42.3	85.9	73.1	62.8	55.1
Thergaon	86.2	62.3	98.5	90.2	77.9	69.5	69.9	43.5	82.6	73.4	61.8	52.7

Post-Diwali (14th November 2023) - PIMPRI-CHINCHWAD												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Pimpri	83.6	50.7	96.3	87.2	77.1	63.7	58.1	40.3	69.3	61.9	53.1	45.6
Chinchwad	82.8	58.9	96.3	86.0	76.9	64.8	60.5	42.3	72.5	62.4	54.8	47.3
Thergaon	79.8	58.4	94.5	82.5	72.5	63.8	62.8	40.8	75.6	64.8	54.9	46.7



Chart 4.23: Ambient Noise Levels during Diwali Festival - 2023 in Pimpri-Chinchwad



#### 4.24 Parbhani

At Parbhani, on 6th November, the highest noise level during day time was observed at Shivaji Maharaj Putala with 56.4 dB(A) and during night time was observed at Shivaji Maharaj Putala with 49.1 dB(A). On 12th November, the highest noise level during day time was observed at Shivaji Chawk with 58.2 dB(A) and during night time was observed at Shivaji Chawk with 64.2 dB(A). On 14th November, the highest noise level during day time was observed at Shivaji Chawk with 72.2 dB(A) and during night time was observed at Shivaji Maharaj Putala with 57.5 dB(A).

**Table 4.24: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Parbhani**

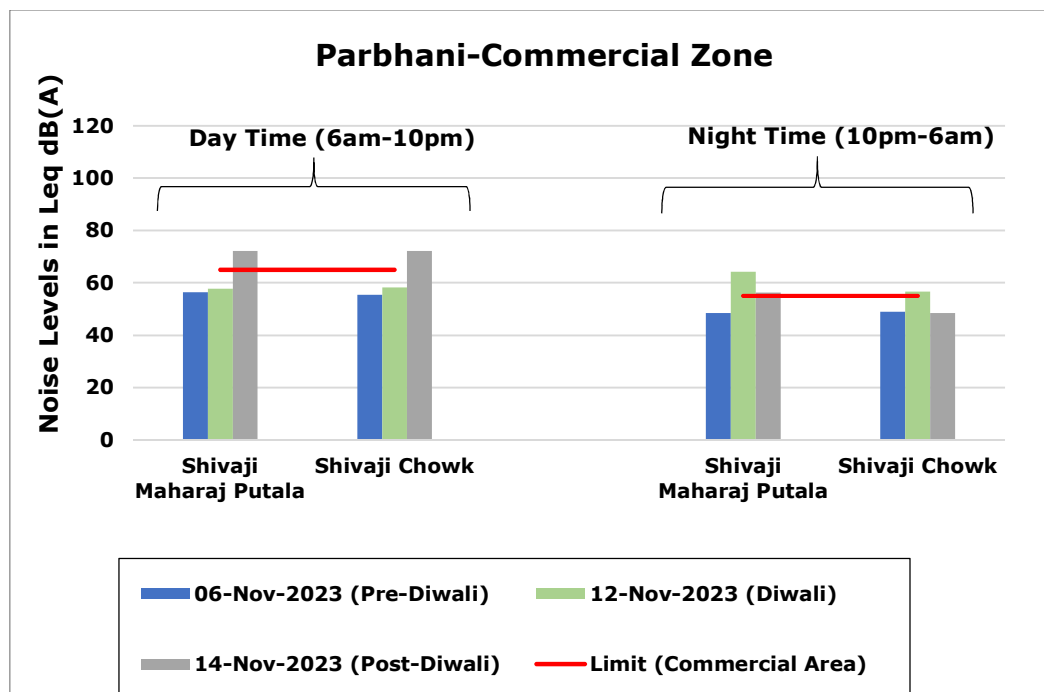
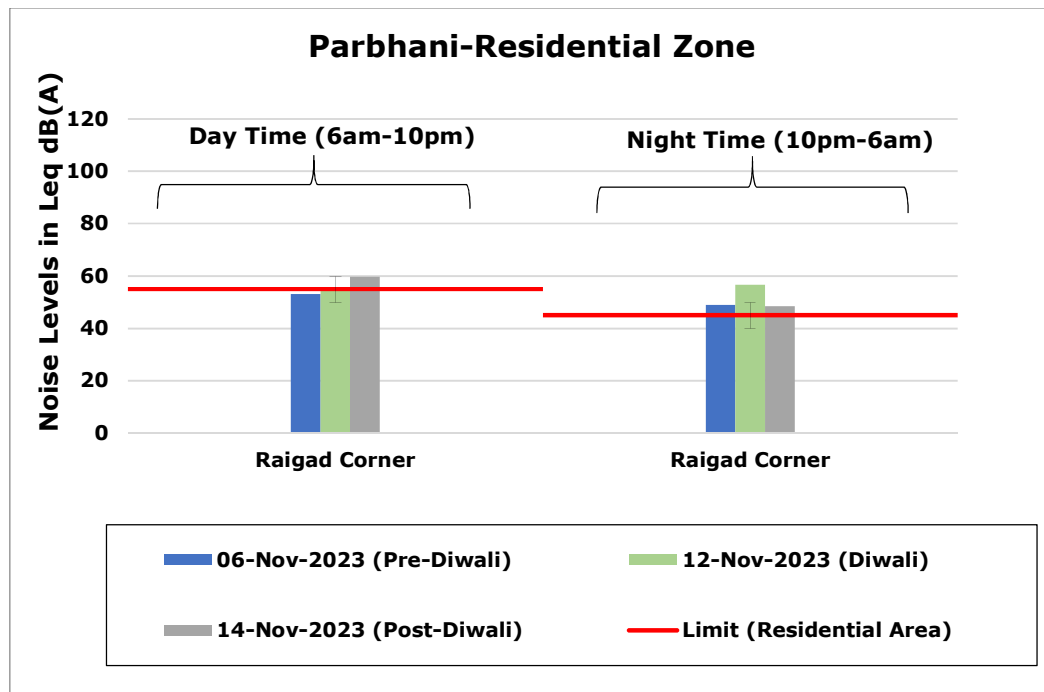
Pre-Diwali (6th November 2023) - PARBHANI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Maharaj Putala	56.4	45.0	65.0	60.0	55.0	50.0	49.1	41.0	55.0	51.0	49.0	45.0
Shivaji Chowk	55.5	47.0	63.0	58.1	54.0	50.0	48.5	42.0	54.0	51.0	47.5	43.0
Raigad Corner	53.0	42.0	60.0	57.0	51.0	47.0	48.9	40.0	53.0	51.0	49.0	45.0

Diwali (12th November 2023) - PARBHANI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Maharaj Putala	57.8	49.0	67.0	60.0	57.0	54.0	61.4	42.0	69.0	67.0	53.9	44.0
Shivaji Chowk	58.2	50.0	64.0	61.0	57.0	54.0	64.2	42.0	72.0	69.1	52.5	45.9

Diwali (12th November 2023) - PARBHANI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Raigad Corner	55.7	43.0	63.0	59.0	54.5	50.9	56.6	38.0	67.0	62.0	47.5	41.0

Post-Diwali (14th November 2023) - PARBHANI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Maharaj Putala	72.1	51.0	78.0	75.0	72.0	60.0	57.5	39.0	69.0	63.0	49.5	42.0
Shivaji Chowk	72.2	52.0	80.0	76.0	71.0	78.0	56.3	42.0	66.0	63.1	49.0	43.0
Raigad Corner	59.7	49.0	66.0	63.0	57.0	52.0	48.5	38.0	56.0	53.0	44.0	41.0

Chart 4.24: Ambient Noise Levels during Diwali Festival - 2023 in Parbhani



## 4.25 Latur

At Latur, three locations were monitored. On all three days, the highest equivalent noise level during day time observed at Ganjgolai. However, on 6<sup>th</sup> November during night time the highest noise level was observed at Aadarsh Colony with 50 dBA. However, highest equivalent noise level on 12th November i.e. on Diwali day and on 14th November, the highest equivalent noise level was again observed at Ganjgolai during night time.

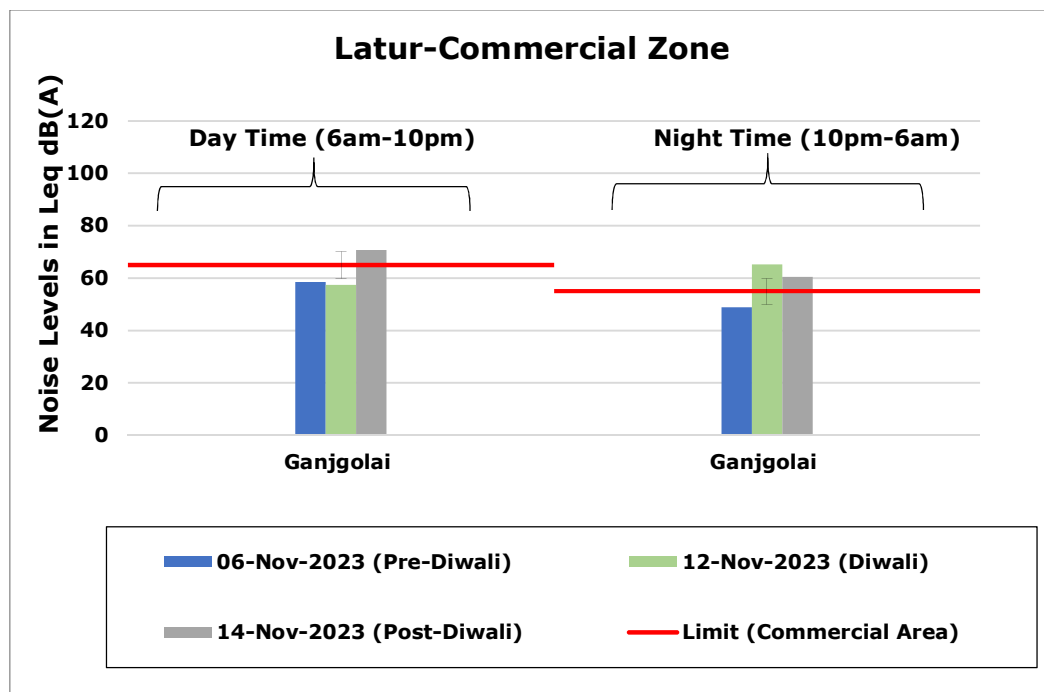
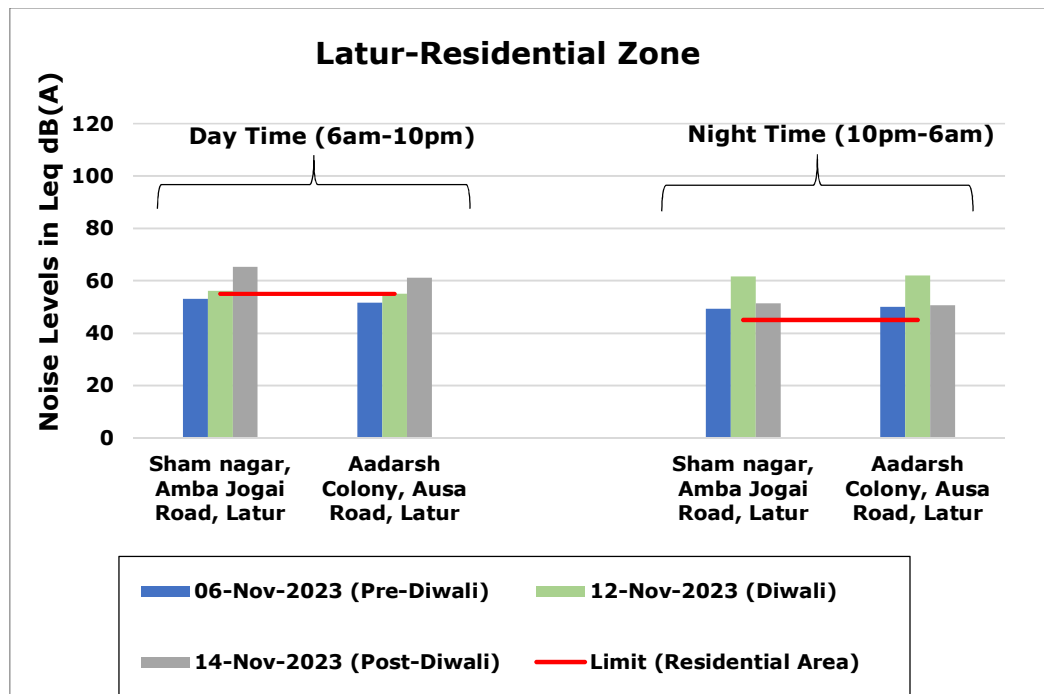
**Table 4.25: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Latur**

Pre-Diwali (6th November 2023) - LATUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ganjgolai	58.4	44.0	67.0	62.0	56.0	50.0	48.8	43.0	55.0	51.0	48.0	44.0
Kesharaj High school	53.0	44.0	60.0	57.0	51.0	47.0	49.3	42.0	54.0	51.1	49.0	45.9
Aadarsh Colony	51.7	42.0	59.0	55.0	50.0	46.0	50.0	42.0	56.0	53.0	49.0	44.0

Diwali (12th November 2023) - LATUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ganjgolai	57.4	48.0	64.0	61.0	55.0	51.0	65.2	43.0	73.0	71.0	57.5	48.0
Kesharaj High school	56.1	43.0	64.0	59.0	54.0	49.0	61.7	40.0	71.0	67.1	54.0	43.0
Aadarsh Colony	55.0	45.0	62.0	58.0	54.0	50.0	62.0	42.0	71.0	68.0	52.0	46.0

Post-Diwali (14th November 2023) - LATUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ganjgolai	70.7	52.0	67.0	74.0	70.0	59.0	60.4	41.0	69.0	65.0	50.0	43.0
Kesharaj High school	65.3	49.0	73.0	70.0	64.0	53.0	51.4	39.0	62.0	55.1	44.0	42.0
Aadarsh Colony	61.2	43.0	69.0	65.0	59.0	52.0	50.6	39.0	63.0	53.0	45.0	41.0

Chart 4.25: Ambient Noise Levels during Diwali Festival - 2023 in Latur



## 4.26 Akola

In Akola also, the noise level was monitored at three locations during Diwali festival. On 6th November, the highest noise level during day time was observed at City Kotawali Chowk with 79.9 dB(A) and during night time was observed at City Kotawali Chowk with 62.9 dB(A). On 12th November, the highest noise level during day time was observed at Civil line Chowk with 84.5 dB(A) and during night time was observed at City Kotawali Chowk with 79.6 dB(A). On 14th November, the highest noise level during day time was observed at City Kotawali Chowk with 82.1 dB(A) and during night time was observed at City Kotawali Chowk with 69.9 dB(A).

**Table 4.26.: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Akola**

Pre-Diwali (6th November 2023) - AKOLA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Collector Office	75.7	57.5	81.6	78.9	73.5	60.4	61.2	54.8	68.6	78.6	53.4	42.2
Civil line Chowk	76.5	65.2	86.3	89.3	69.2	60.8	56.8	51.4	64.2	58.5	52.8	48.3
City Kotawali Chowk	79.9	69.7	83.8	82.1	78.3	71.5	62.9	56.0	72.4	78.9	56.3	45.3

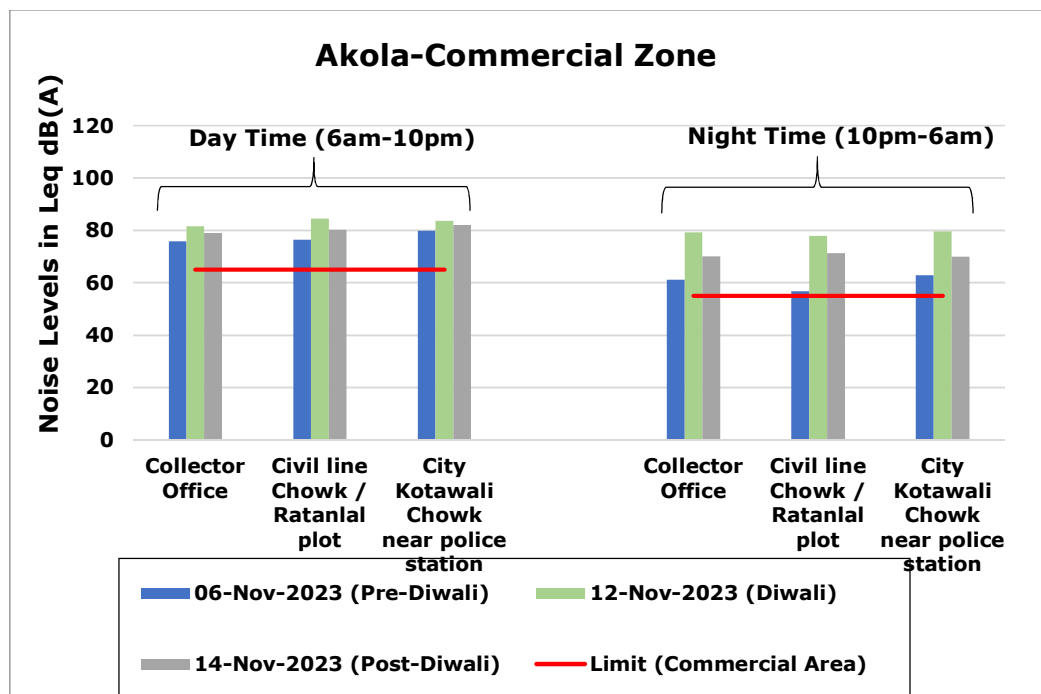
Diwali (12th November 2023) - AKOLA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Collector Office	81.5	51.8	92.7	85.0	74.0	62.3	79.2	36.2	92.8	85.0	74.3	62.3
Civil line Chowk	84.5	51.9	97.4	85.0	74.0	62.3	77.8	44.8	91.3	85.0	74.3	62.3



Diwali (12th November 2023) - AKOLA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
City Kotawali Chowk	83.6	54.8	93.7	85.0	74.0	62.3	79.6	38.5	93.8	85.0	74.3	62.3

Post-Diwali (14th November 2023) - AKOLA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Collector Office	79.0	44.8	90.6	83.2	70.2	61.2	70.0	36.5	83.5	74.1	56.6	40.1
Civil line Chowk	80.3	48.3	91.4	84.3	71.4	63.1	71.3	37.4	85.7	73.8	58.5	42.3
City Kotawali Chowk	82.1	53.6	91.8	87.6	72.5	65.3	69.9	38.1	80.5	74.4	59.6	46.5

Chart 4.26: Ambient Noise Levels during Diwali Festival - 2023Akola



## 4.27 Solapur

In Solapur, three locations were monitored for noise level during Diwali Festival. On 6th and 12<sup>th</sup> November, the highest equivalent noise level during day time was examined at Balives (72.9 dBA) and (84.7 dBA) respectively. On 14<sup>th</sup> November the highest equivalent noise level during day time was examined at Hotgi & Bijapur Road (81.6 dBA). On 6th and 12<sup>th</sup> November, the highest equivalent noise level during night time was examined at Balives (73.0 dBA) and (61.8 dBA) respectively. On 14<sup>th</sup> November the highest equivalent noise level during night time was examined at Hotgi & Bijapur Road (74.4 dBA).

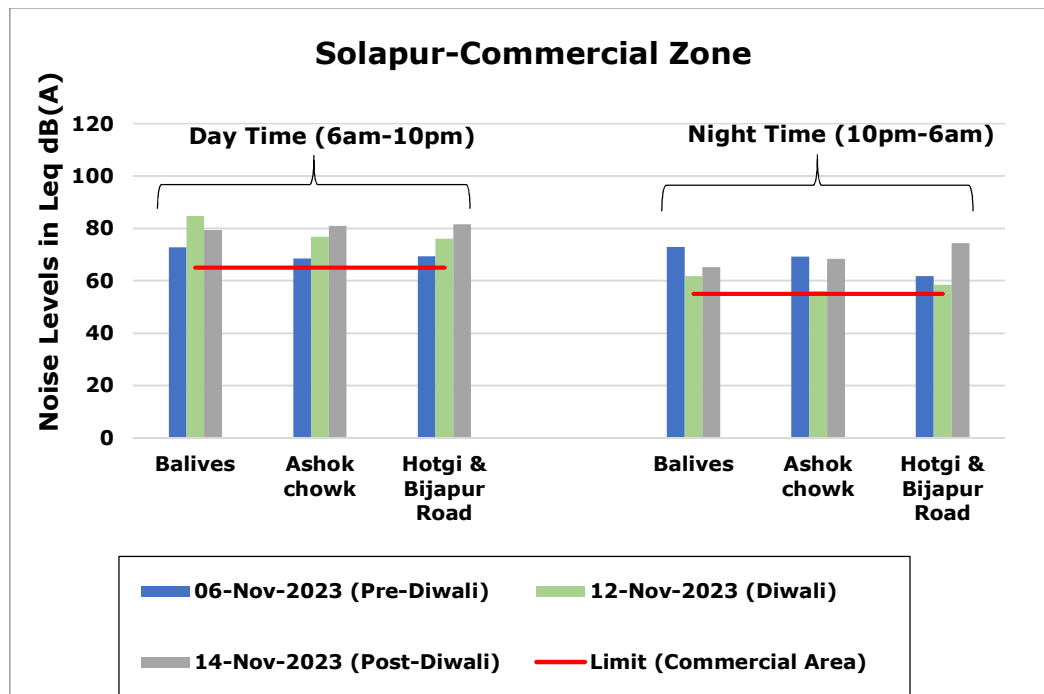
**Table 4.27: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Solapur**

Pre-Diwali (6th November 2023) - SOLAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Balives	72.9	38.9	91.5	74.0	64.8	50.3	73.0	30.8	88.5	76.5	55.6	36.8
Ashok chowk	68.6	33.9	80.1	72.4	63.4	49.2	69.2	30.1	80.6	73.3	60.0	39.2
Hotgi & Bijapur Road	69.4	40.9	85.2	72.4	61.4	49.4	61.7	31.1	74.2	66.4	50.2	32.9

Diwali (12th November 2023) - SOLAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Balives	84.7	60.7	97.6	88.6	78.7	67.8	61.8	42.5	75.2	64.7	56.1	49.6
Ashok chowk	76.8	51.9	89.7	80.9	69.9	60.7	56.1	42.3	64.8	61.3	50.7	44.0
Hotgi & Bijapur Road	76.0	47.5	94.2	73.5	64.7	54.8	58.5	40.7	72.6	61.2	52.6	45.7

Post-Diwali (14th November 2023) - SOLAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Balives	79.3	52.3	90.1	83.0	74.8	63.6	65.2	42.3	75.6	69.4	60.7	47.2
Ashok chowk	81.0	52.3	94.8	83.0	73.7	62.3	68.3	40.7	81.5	72.3	58.9	50.1
Hotgi & Bijapur Road	81.6	54.6	95.6	84.9	73.8	62.9	74.4	42.7	83.6	79.1	69.8	48.8

Chart 4.27: Ambient Noise Levels during Diwali Festival - 2023 in Solapur



## 4.28 Badlapur

In Badlapur, on 6<sup>th</sup> and 12<sup>th</sup> November, the highest equivalent noise level during day time was examined at Katrap Gaon Opposite Ghorpade Chowk (81.5 dBA) and (78.2 dBA) respectively. On 14<sup>th</sup> November the highest equivalent noise level during day time was examined at Gandhi Chowk (73.2 dBA). On 6<sup>th</sup> November the highest equivalent noise level during night time was examined at Katrap Gaon Opposite Ghorpade Chowk (73.3 dBA). However, on 12<sup>th</sup> and 14<sup>th</sup> November, the highest equivalent noise level during night time was examined at Gandhi Chowk (69.0 dBA) and (67.1 dBA) respectively.

**Table 4.28: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Badlapur**

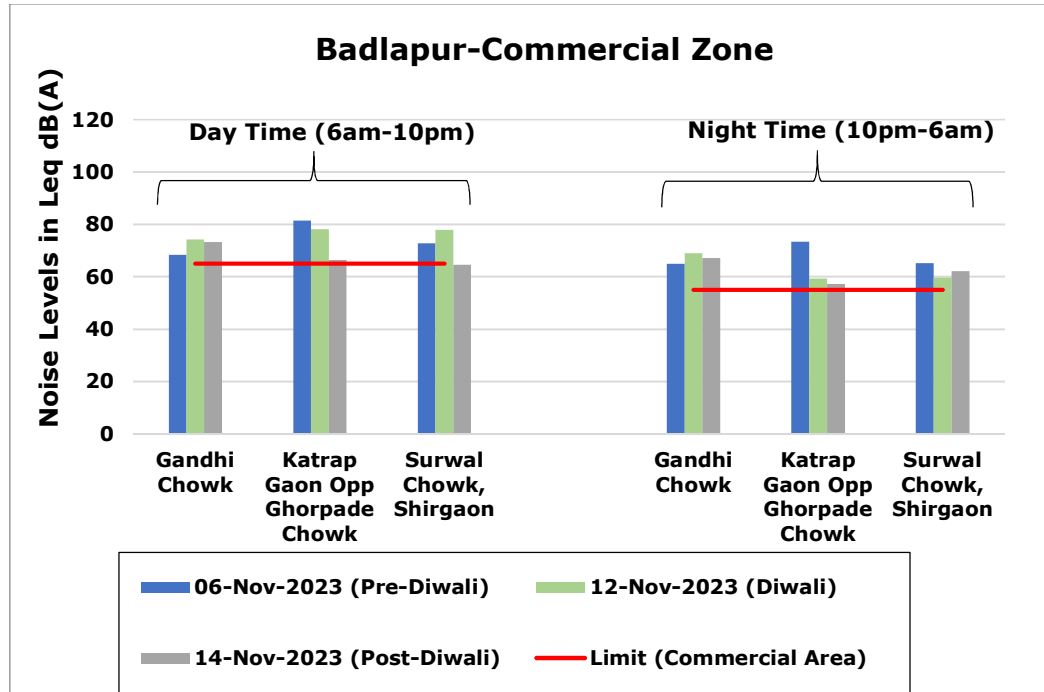
Pre-Diwali (6th November 2023)-BADLAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gandhi Chowk	68.5	30.1	81.2	72.9	61.6	54.9	65.0	42.3	79.4	65.1	60.1	53.1
Katrap Gaon	81.5	40.3	91.3	87.0	72.4	55.4	73.3	32.0	85.6	79.5	43.8	30.4
Surwal Chowk, Shirgaon	72.8	44.4	84.2	78.0	66.4	58.0	65.3	40.4	78.4	65.7	57.7	54.1

Diwali (12th November 2023) - BADLAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gandhi Chowk	74.3	57.3	85.6	78.2	69.7	62.3	69.0	49.0	79.0	74.1	59.8	54.2
Katrap Gaon	78.2	32.4	90.2	82.2	59.3	35.1	59.4	32.3	69.0	65.0	43.6	35.0

Diwali (12th November 2023) - BADLAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Surwal Chowk, Shirgaon	77.8	58.4	88.5	82.7	69.3	62.5	59.7	37.3	73.2	61.9	47.7	39.9

Post-Diwali (14th November 2023) - BADLAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gandhi Chowk	73.2	50.9	88.2	76.3	66.7	56.5	67.1	42.3	79.4	68.3	60.3	54.1
Katrap Gaon	66.4	40.8	70.6	69.3	65.6	60.2	57.3	44.9	60.8	59.9	57.1	52.1
Surwal Chowk, Shirgaon	64.7	50.1	77.8	67.3	59.4	52.8	62.1	50.1	76.1	65.5	56.3	51.8

Chart 4.28: Ambient Noise Levels during Diwali Festival - 2023 in Badlapur





## 4.29 Jalna

In Jalna also three locations were monitored for noise level during Diwali Festival. On 6<sup>th</sup> Novemeber the highest equivalent noise level during day time was examined at Bhagya Nagar (51.8 dBA). However, on 12<sup>th</sup> and 14<sup>th</sup> November, the highest equivalent noise level during day time was examined at Mantha Choufulee (56.3 dBA) and (63.8 dBA) respectively. On 6<sup>th</sup> Novemeber the highest equivalent noise level during night time was examined at Bhagya Nagar (50.2 dBA). However, on 12<sup>th</sup> and 14<sup>th</sup> November, the highest equivalent noise level during night time was examined at Mantha Choufulee (64.9 dBA) and (54.2 dBA) respectively.

**Table 4.29: Ambient Noise Levels in dB(A) during Diwali Festival-2023 in Jalna**

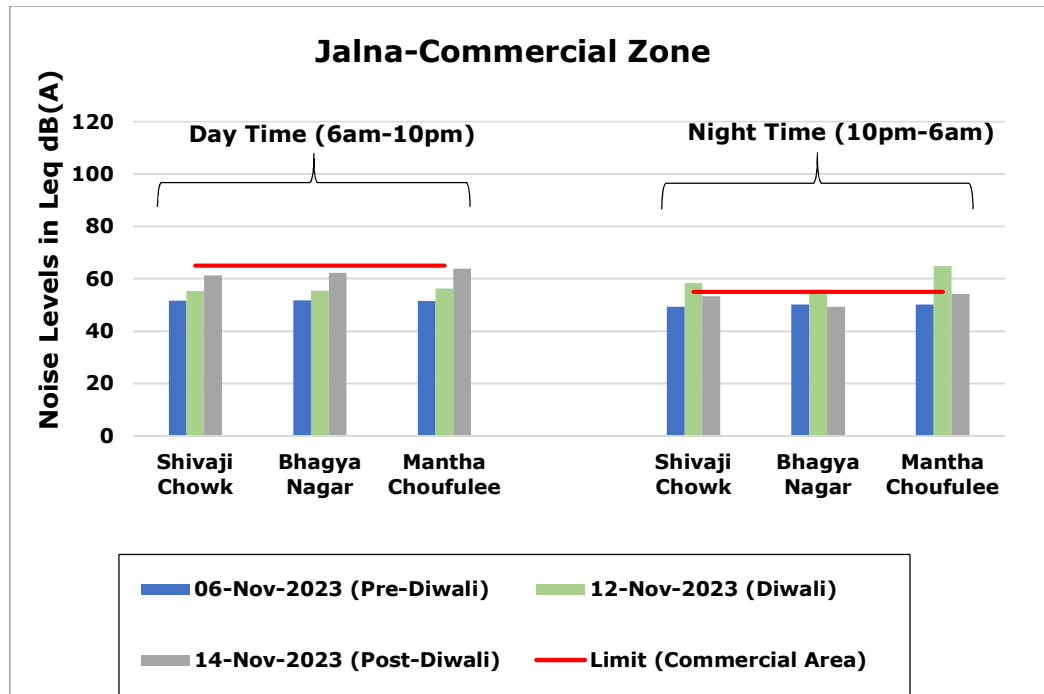
Pre-Diwali (6th November 2023) - JALNA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	51.7	42.0	60.0	55.0	50.0	46.0	49.2	41.0	54.0	52.0	49.0	45.0
Bhagya Nagar	51.8	43.0	59.0	55.0	51.0	46.0	50.2	44.0	54.0	53.0	49.0	47.0
Mantha Choufulee	51.5	42.0	58.0	54.1	50.0	46.0	50.2	44.0	55.0	52.0	50.0	47.0

Diwali (12th November 2023) - JALNA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	55.3	44.0	64.0	59.0	53.0	49.0	58.3	41.0	69.0	61.2	51.0	43.0
Bhagya Nagar	55.4	46.0	64.0	59.0	53.0	49.0	55.8	41.0	66.0	62.0	48.0	43.0

Diwali (12th November 2023) - JALNA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Mantha Choufulee	56.3	46.0	65.0	59.1	55.0	51.0	64.9	42.0	72.0	70.0	56.0	43.0

Post-Diwali (14th November 2023) - JALNA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	61.3	42.0	69.0	66.0	55.5	46.0	53.4	39.0	64.0	59.0	45.0	41.0
Bhagya Nagar	62.2	53.0	71.0	66.0	59.0	50.9	49.3	38.0	60.0	53.1	44.0	41.0
Mantha Choufulee	63.8	42.0	72.0	67.0	61.0	53.0	54.2	39.0	63.0	59.0	48.5	42.0

Chart 4.29: Ambient Noise Levels during Diwali Festival - 2023 in Jalna



## 5 SUMMARY OF THE RESULTS

**The overall ambient noise levels measured for three days at each municipal corporation are summarised below:**

### **1. Mumbai**

The noise level in Mumbai ranged from 57.4dB(A) to 87dB(A) this year. Out of this, ambient noise levels in Mumbai South ranged from 56.9dB(A) at night to 87.0dB(A) at daytime and in Mumbai Western Suburbs ranged from minimum of 60.0dB(A) at night to maximum of 84.4dB(A) at day. In Mumbai Eastern Suburbs, noise levels ranged from lowest average noise level i.e. 53.4dB(A) at night and highest i.e. 81.8dB(A) at daytime. The high noise levels in Mumbai South, Mumbai Western Suburbs and Mumbai Eastern Suburbs were mainly due to the usage of firecrackers and traffic.

### **2. Navi Mumbai**

The noise levels in Navi Mumbai ranged from 63.3dB(A) to 77.9dB(A) at day and 58.5dB(A) to 82.5dB(A) at night this year. As 6 out of 9 monitoring locations falls under commercial zone, hence crowded spaces and traffic also contributed in high level of noise at these places.

### **3. Thane**

In Thane the minimum noise level recorded was 62.0dB(A) at night time and the maximum of 82.1dB(A) at daytime this year. Traffic in the commercial zone contributed to the high noise levels and in residential zones crackers bursting as well as traffic both contributed in the noise levels.

### **4. Panvel**

The noise level in Panvel ranged from 64.0dB(A) to 75.0dB(A) at night and 66.8dB(A) to 83.6dB(A) at daytime. The noise levels were due to firecrackers.

**5. Pune**

The noise level in Pune was recorded in the range of 57.1dB(A) to 79.6dB(A) at night and 73.8dB(A) to 88.6dB(A) at daytime. Traffic in the commercial zones contributed to the overall high noise levels in the city.

**6. Nashik**

In Nashik, the noise level ranged from 51.9dB(A) to 67.8dB(A) at night and 68.0dB(A) to 73.6dB(A) at daytime. The recorded noise levels in the city were due to the bursting of firecrackers and traffic.

**7. Aurangabad**

The noise level in Aurangabad ranged from 48.0dB(A) to 63.5dB(A) at night time and 57.5dB(A) to 77.5dB(A) at daytime. The noise levels were due to firecrackers.

**8. Nagpur**

The noise level in Nagpur ranged from 55.3dB(A) to 73.9dB(A) at night time and 65.1dB(A) to 79.7dB(A) at daytime this year. Traffic in the commercial zones contributed to the overall high noise levels in the city.

**9. Kalyan**

The noise level in Kalyan ranged from 61.5dB(A) to 78.4dB(A) at night time and 71.9dB(A) to 86.1dB(A) at daytime this year. The measured and recorded noise levels were due to crackers and traffic congestion.

**10. Amravati**

The minimum noise level in Amravati was recorded as 58.3dB(A) to 76.6dB(A) at night time and 65.1dB(A) to 77.6dB(A) at daytime this year.

#### **11. Jalgaon**

The minimum noise level in Jalgaon was recorded as 34.6dB(A) and maximum as 89.4dB(A) this year. The noise level in Jalgaon also was due to traffic at commercial zone.

#### **12. Kolhapur**

The noise level in Kolhapur ranged from a 59.3dB(A) to 78.2dB(A) at night time and 62.5dB(A) to 92.7dB(A) at daytime this year. The increase in noise level was due to the bursting of crackers.

#### **13. Sangli**

The noise level in Sangli ranged from 54.5dB(A) to 68.8dB(A) at night time and 78.3dB(A) to 90.2dB(A) at daytime this year. The increase in noise levels was mainly due to crackers bursting.

#### **14. Mira – Bhayander**

The noise level in Mira – Bhayander ranged from 57.7dB(A) to 77.4dB(A) at night time and 66.8dB(A) to 80.6dB(A) in daytime this year. The noise level was high mainly due to the bursting of crackers.

#### **15. Vasai – Virar**

The noise level in Vasai - Virar ranged from 57.7dB(A) to 79.1dB(A) at night time and 61.5dB(A) to 83.6dB(A) at daytime this year. The increase in noise level was due to crackers and traffic congestions.

#### **16. Ulhasnagar**

The noise level in Ulhasnagar ranged from 61.7dB(A) to 76.6dB(A) at night time and 73.3dB(A) to 85.6dB(A) at daytime this year. The noise level generation in Ulhasnagar was also due to the bursting of crackers.

**17. Bhiwandi – Nizampur**

The noise level in Bhiwandi – Nizampur ranged from 58.0dB(A) to 73.2dB(A) at night time and 71.3dB(A) to 78.7dB(A) at daytime this year. Noise level was high at the commercial spots of city mainly due to traffic.

**18. Chandrapur**

The noise level in Chandrapur ranged from 61.1dB(A) to 70.8dB(A) at night time and 71.7dB(A) to 81.1dB(A) at the daytime and was due to the traffic and bursting of firecrackers on the accession of Diwali.

**19. Nanded – Waghala**

The noise level in Nanded – Waghala ranged from 48.5dB(A) to 62.0dB(A) at night time and 52.2dB(A) to 71.4dB(A) at daytime this year. The noise levels in Nanded were lower as compared to other locations.

**20. Ahmednagar**

The noise level in Ahmednagar ranged from 57.6dB(A) to 63.3dB(A) at night time and 65.2dB(A) to 77.7dB(A) at daytime this year. All the monitoring locations here in Ahmednagar come under Commercial zones, hence traffic and honking were the main contributors to the recorded noise levels.

**21. Dhule**

The noise level in Dhule ranged from 57.9dB(A) to 63.8dB(A) at night time and 66.6dB(A) to 70.6dB(A) at daytime this year and was due to the traffic and bursting of firecrackers on the accession of Diwali.

**22. Malegaon**

The noise level in Malegaon was recorded as 57.3dB(A) to 65.2dB(A) at night time and 66.0dB(A) to 69.6dB(A) at daytime this year. The higher noise level was due to traffic and crowd.

**23. Pimpri – Chinchwad**

The minimum noise level in Pimpri – Chinchwad was recorded as 58.1dB(A) to 72.6dB(A) at night time and 74.6dB(A) to 87.2dB(A) at daytime this year. All the monitoring locations here in Ahmednagar come under Commercial zones, hence traffic and honking were the main contributors to the recorded noise levels.

**24. Parbhani**

The noise level in Parbhani ranged from 48.5dB(A) to 64.2dB(A) at night time and 53.0dB(A) to 72.2dB(A) at daytime this year. The noise levels in Parbhani were less as compared to other locations.

**25. Latur**

The noise level in Latur ranged from 48.8dB(A) to 65.2dB(A) at night time and 51.7dB(A) to 70.7dB(A) at daytime this year. The noise levels in Latur were also less as compared to other locations.

**26. Akola**

The noise level in Akola ranged from 56.8dB(A) to 79.6dB(A) at night time and 75.7dB(A) to 84.5dB(A) at daytime this year. The higher noise levels observed were due to traffic congestion and the bursting of crackers.

**27. Solapur**

The noise level in Solapur ranged from 56.1dB(A) to 74.4dB(A) at night time and 68.6dB(A) to 84.7dB(A) at daytime this year. The higher noise level was due to traffic.

**28. Badlapur**

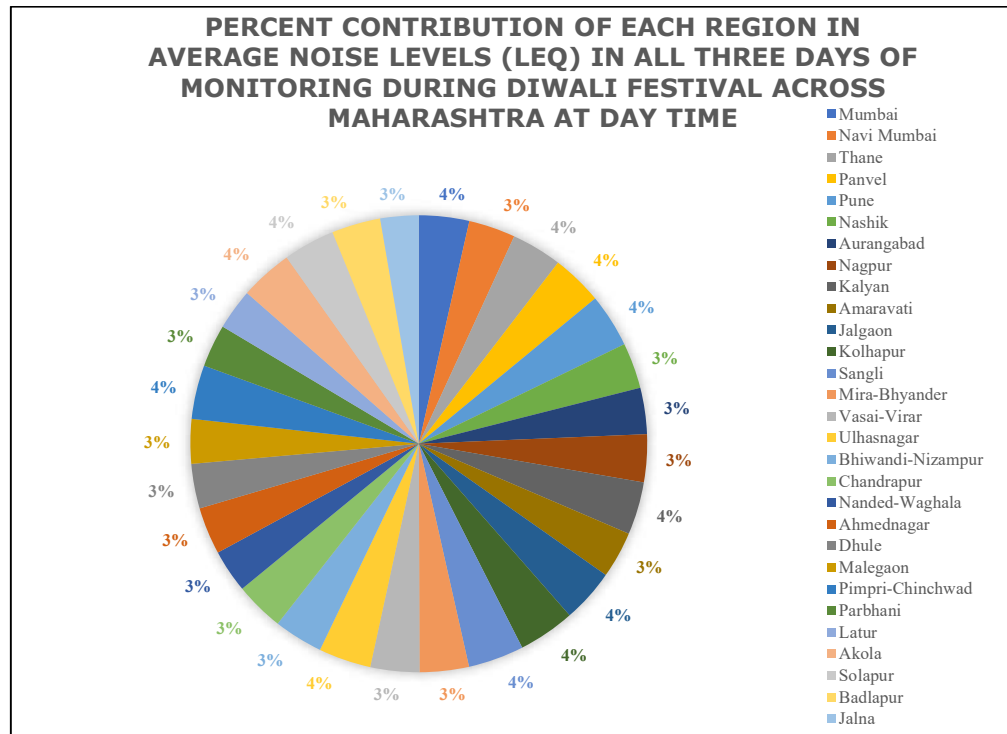
The noise level in Badlapur ranged from 57.3dB(A) to 73.3dB(A) at night time and 64.7dB(A) to 81.5dB(A) at daytime this year. The increase in noise was due to the heavy traffic and the bursting of crackers.



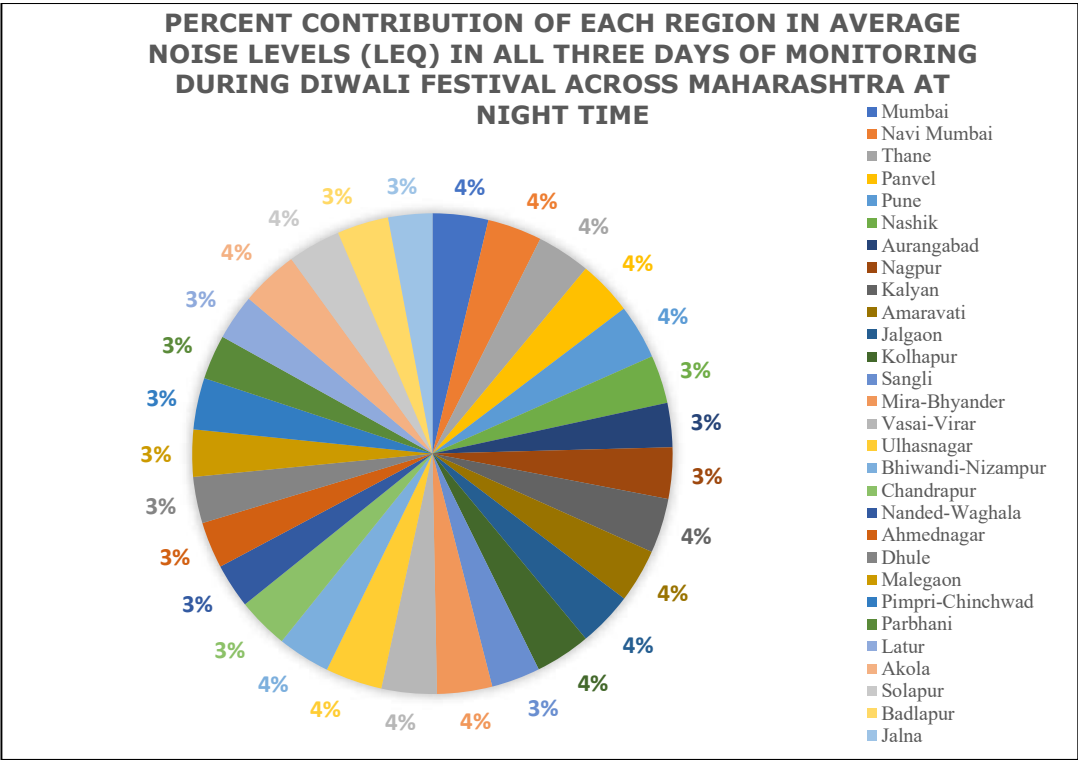
## 29. Jalna

The minimum noise level in Jalna was recorded as 49.2dB(A) to 64.9dB(A) at night time and 51.5dB(A) to 63.8dB(A) at daytime this year.

The percent contribution of each region in the noise levels are shown in figures (5.1 and 5.2) below:



**Figure 5.1: Percent Contribution of Each Region in Average Noise Levels (Leq) in All Three Days of Monitoring During Diwali Festival Across Maharashtra during Day Time**



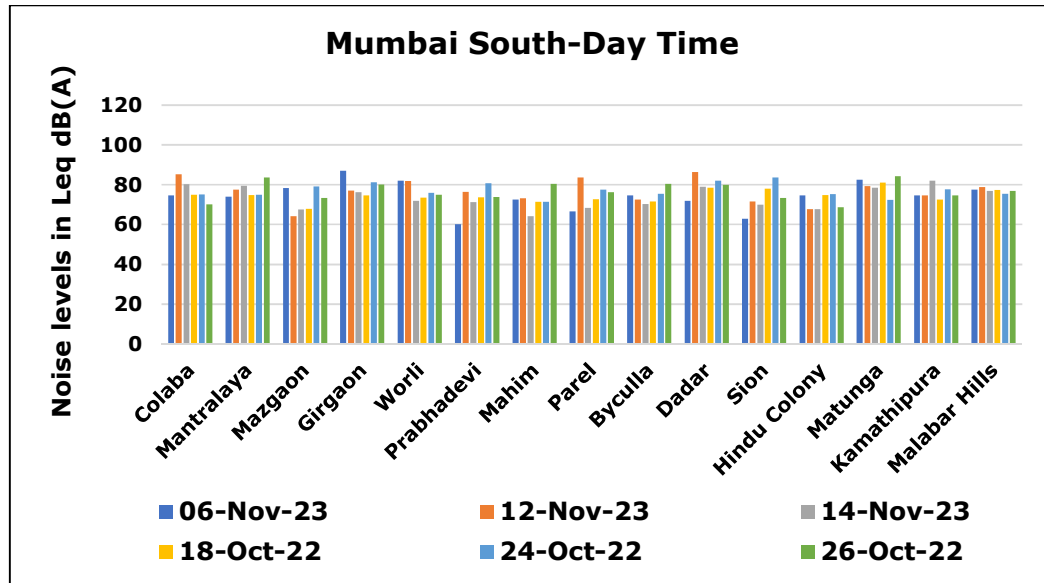
**Figure 5.2: Percent Contribution of Each Region in Average Noise Levels (Leq) in All Three Days of Monitoring During Diwali Festival Across Maharashtra during Night Time**

## 6 COMPARATIVE STUDY OF NOISE LEVELS

To know the cumulative effect of noise levels in the proximity areas and the effect of mitigation measures taken by the authorities, this year (2023) noise levels were compared with the noise levels of the last year 2022. The detailed results of each location, obtained by the study are explained and presented graphically as below:

### 6.1 Mumbai South

During the three days of monitoring in 2023 compared to 2022 in Mumbai's South, diverse noise level trends were observed in both day and night times. Locations like Girgaon-Metro Cinema experienced a significant increase of 16.5% during the day, while others, such as Prabhadevi-Siddhivinayak Mandir, saw a notable decrease of -18.3% during the day.



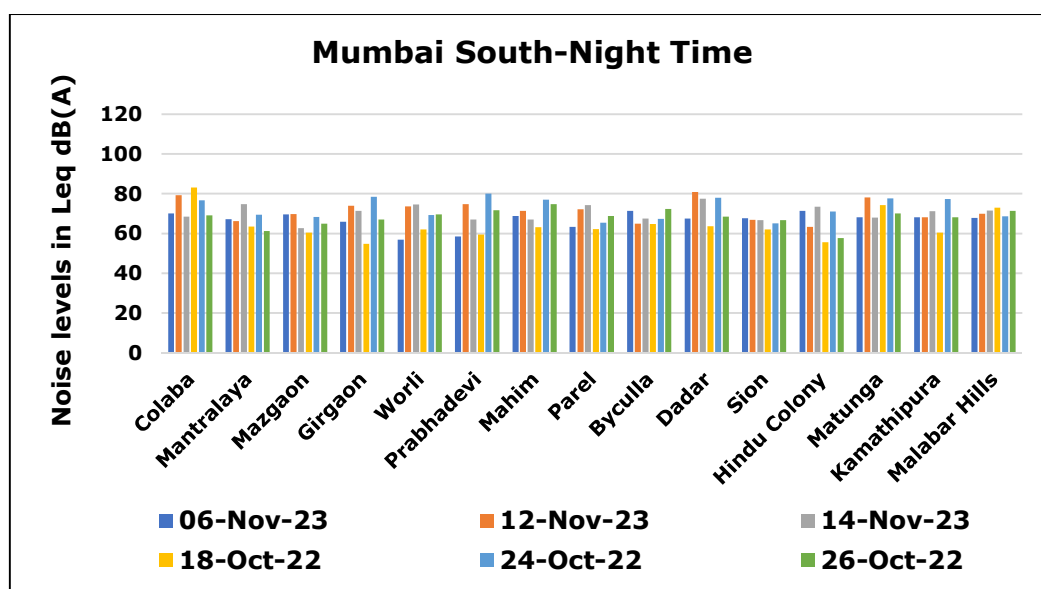


Chart 6.1: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Mumbai South

## 6.2 Mumbai Western Suburbs

In Mumbai's Western Suburbs, noise levels (Leq) revealed varied patterns in both day and night times. While some locations experienced reductions, such as Dahisar (E) near Station, with a decrease of 18.5% during the night, others, like Kandivli (E) Station Road, saw increases, including a significant 22.9% rise during the night.

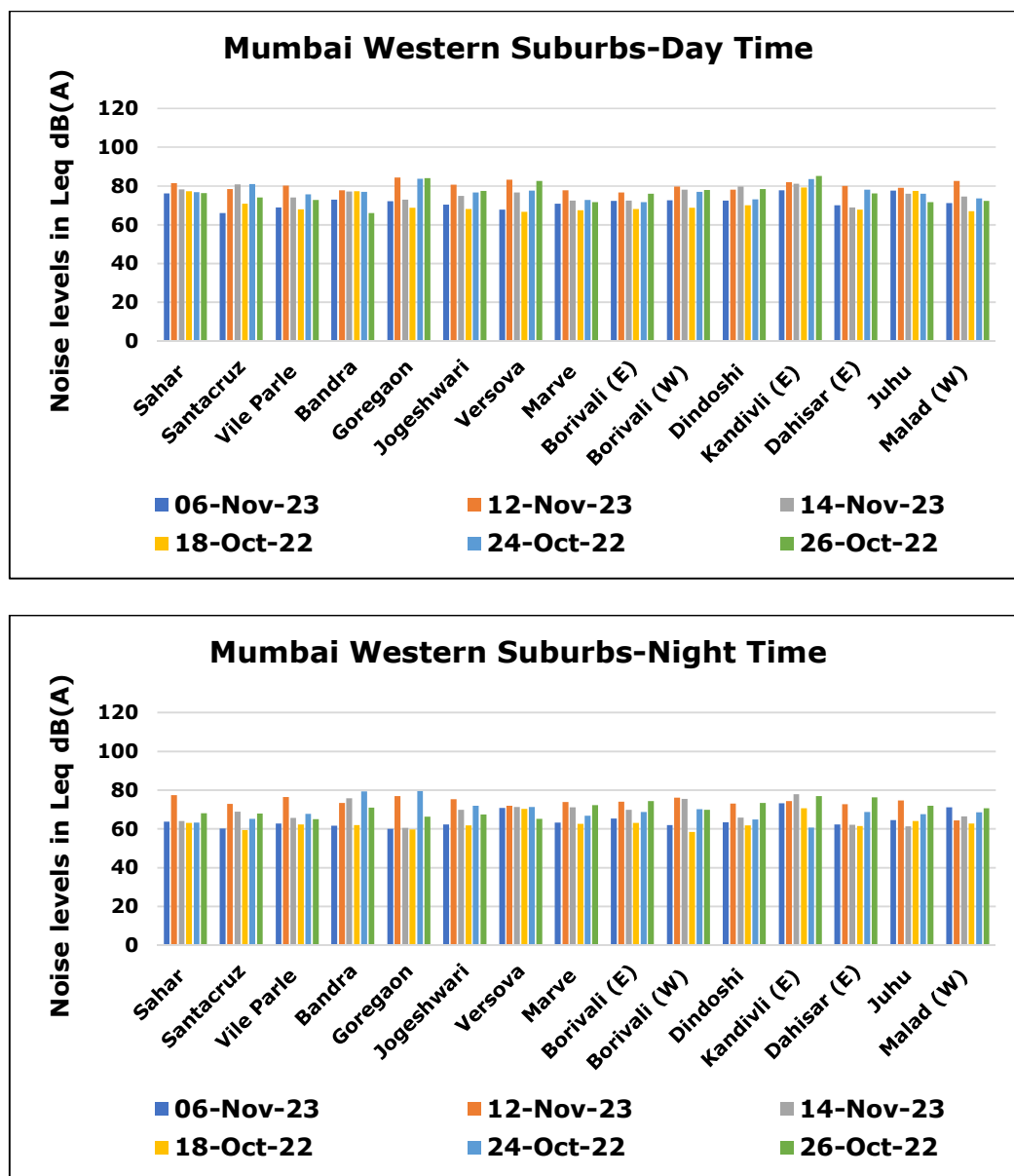


Chart 6.2: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Mumbai Western Suburbs

### 6.3 Mumbai Eastern Suburbs

In Mumbai Eastern Suburbs, locations like Dharavi-Tumbawara Junction experienced a substantial increase of 19.2% during the day, others, such as Powai-Hiranandani Garden, witnessed more moderate changes, with a 2.2% increase during the day.

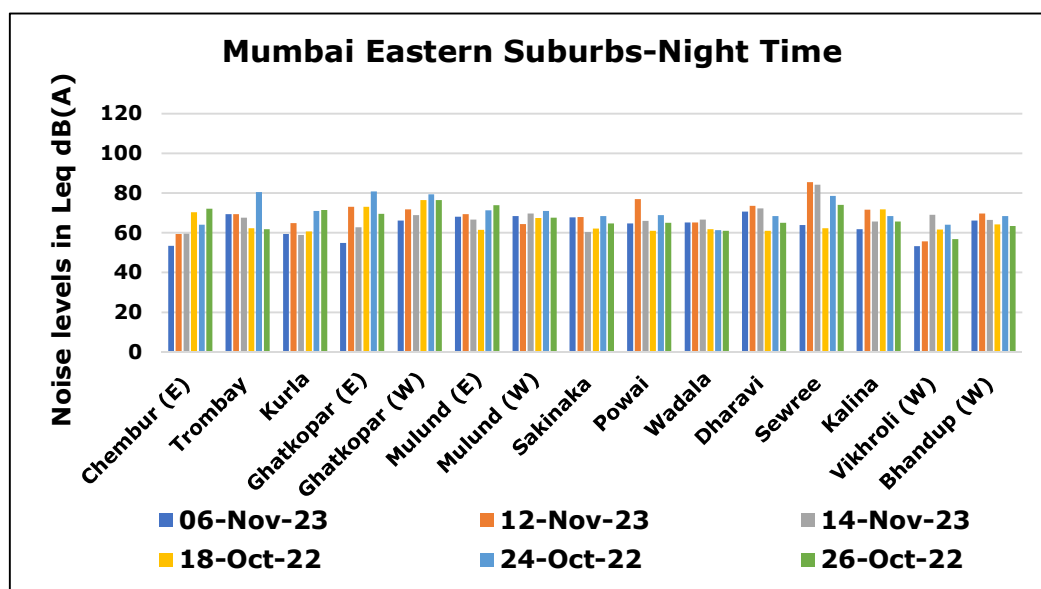
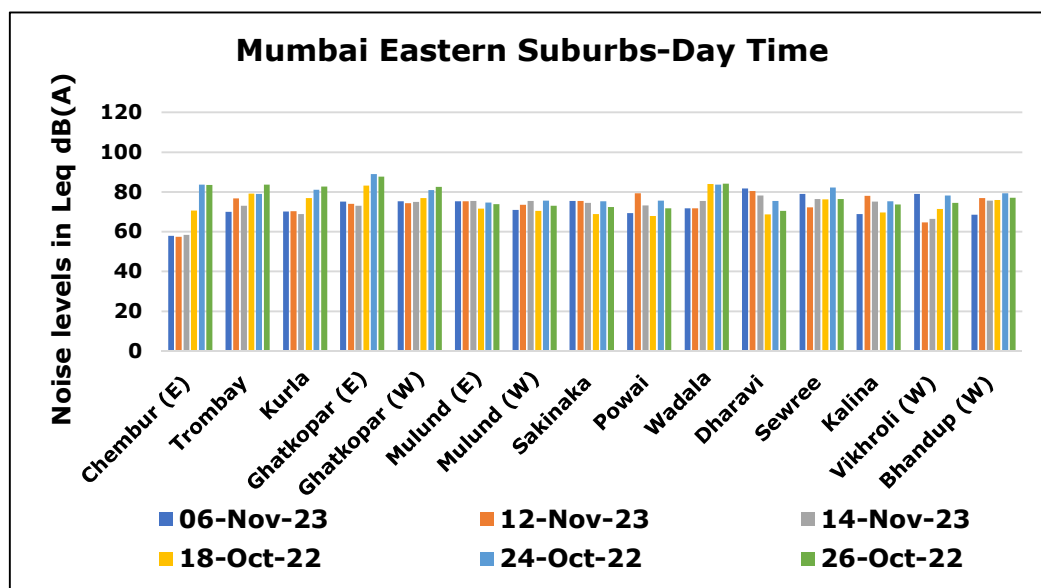


Chart 6.3: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Mumbai Eastern Suburbs

## 6.4 Navi Mumbai

In Navi Mumbai, Diwali noise levels in 2023 witnessed a decrease in CBD and Nerul by up to 18.8% and 16.5%, respectively, during both day and night. However, Vashi Sector 9 experienced an increase of 6.9% during the day. Vashi Sector 15 showed a substantial 10.9% decrease during the day, while Airoli observed a 16.2% increase at night.

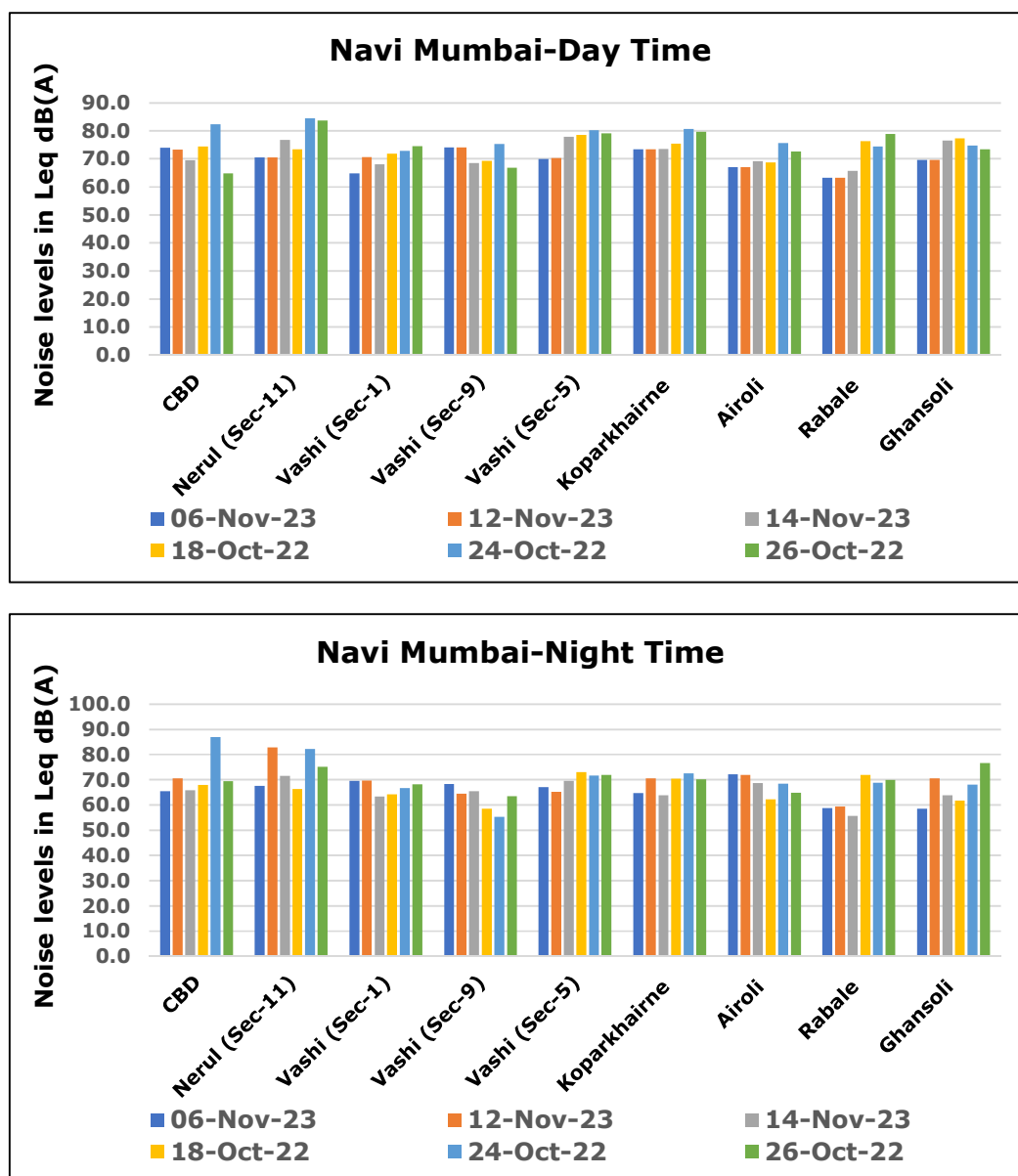


Chart 6.4: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Navi Mumbai

## 6.5 Thane

Comparative study shows that this year the noise levels varied across Thane in 2023. Shiv Mandir saw a marginal 2.4% decrease during the day, while Tembhi Naka experienced a 15.4% reduction at night. Ghokhale Road remained relatively stable. Wagle Estate showed an 8.0% increase during the day, contrasting with a 13.5% decrease at night.

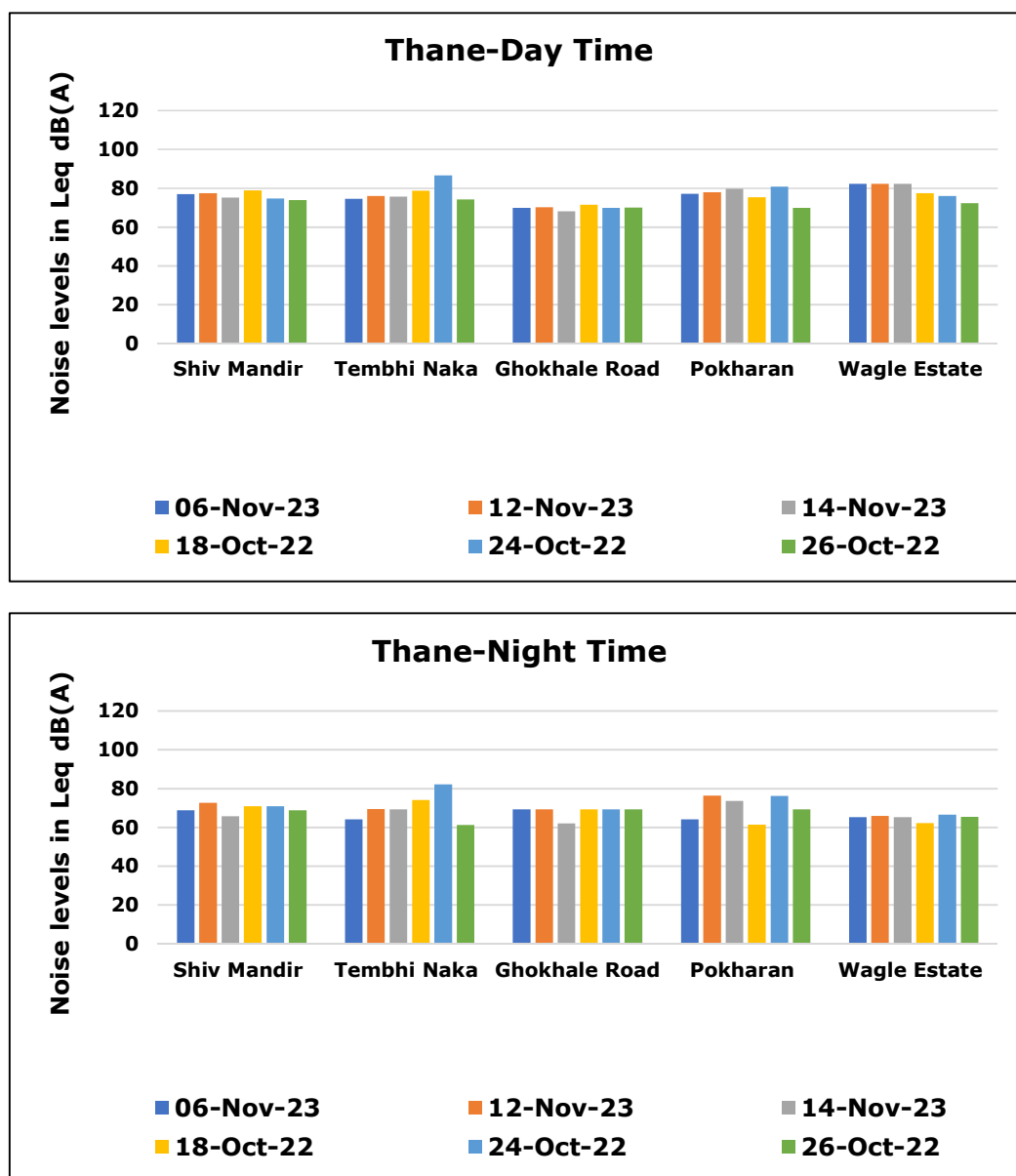


Chart 6.5: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Thane



## 6.6 Panvel

In 2023, Shivaji Chowk experienced a slight 1.2% decrease during the day but a significant 25.9% increase at night. Khanda Colony showed a 3.3% increase during the day. Kharghar Utsav Chowk witnessed a 14.1% decrease during the day, whereas an increase of 3.8% was noted at night.

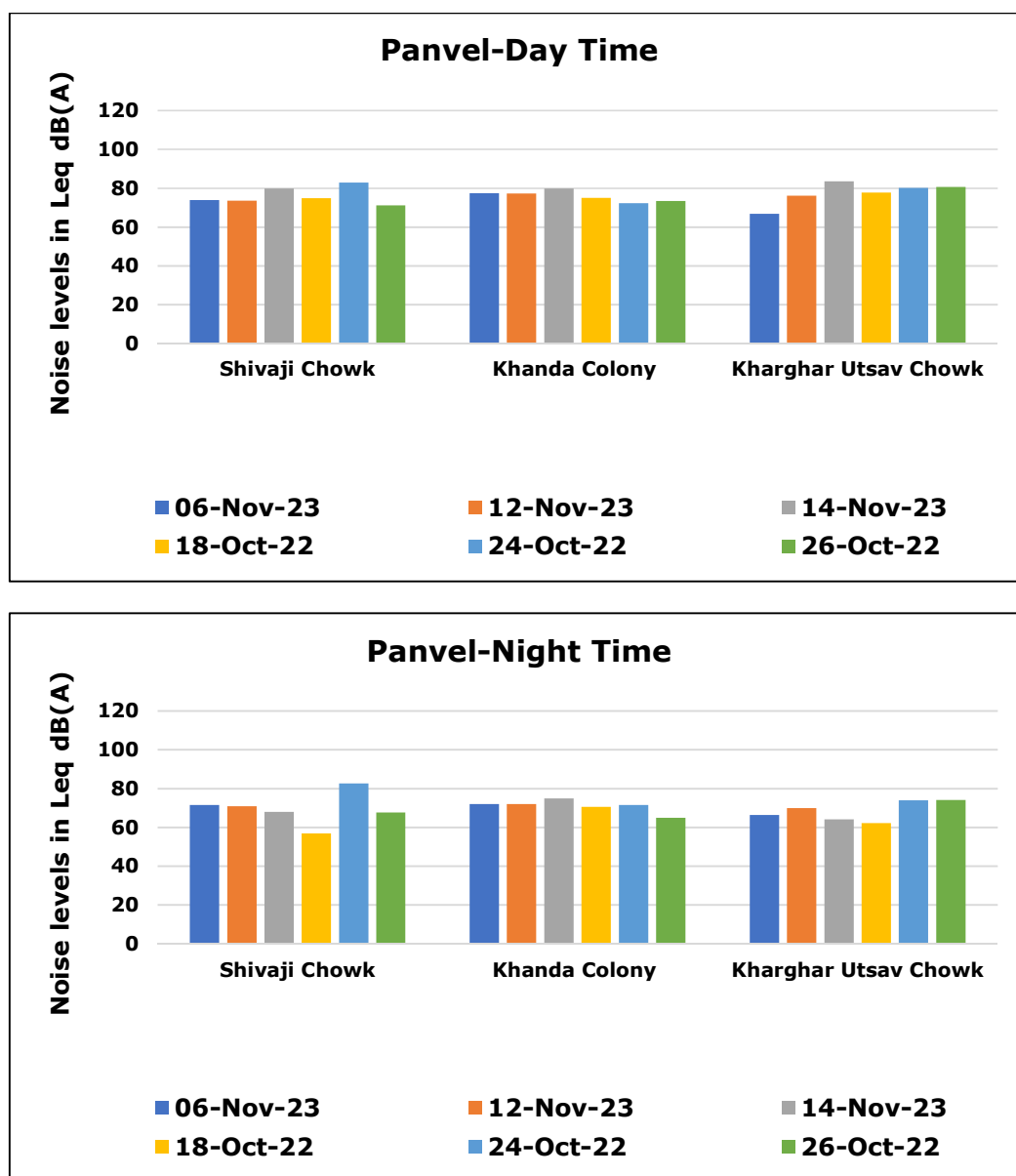


Chart 6.6: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Panvel

## 6.7 Pune

The noise level in the Pune region displayed mixed trends. Shivaji Nagar and Karve Road saw marginal changes, with decreases of 1.1% and 0.7%, respectively, during the day. Laxmi Road exhibited a notable 4.4% decrease during the day. Aundh gaon experienced a 2.3% decrease during the day but a 2.3% increase at night.

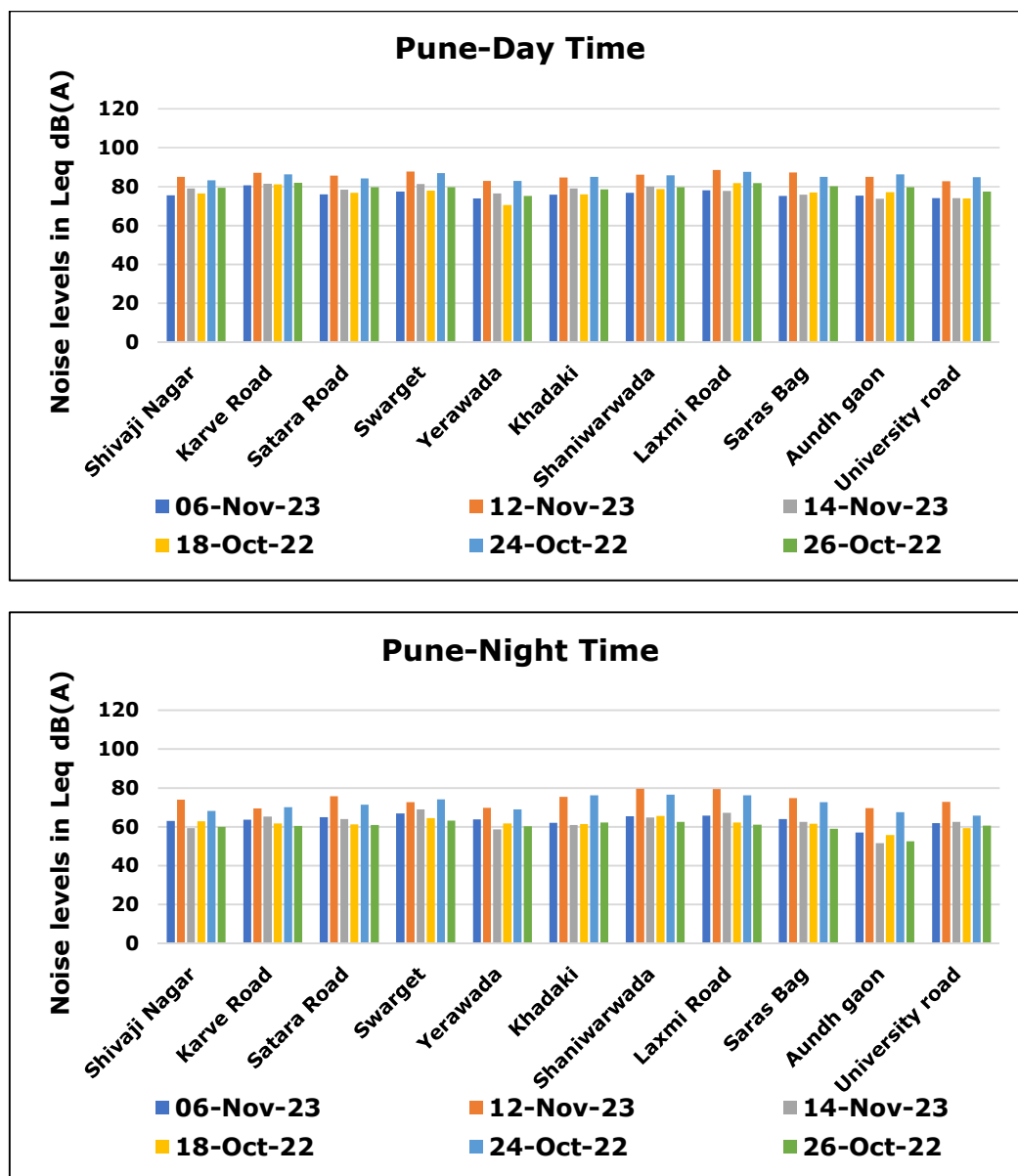


Chart 6.7: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Pune

## 6.8 Nashik

Nashik observed more or less the similar range of noise level last year and CBS experienced a 24.6% decrease in the day, CIDCO Residential witnessed a substantial 32.6% reduction at night. Bytco Point had a noteworthy 17.0% decrease during the day, contrasting with a 15.6% increase at night. Panchavati and Dahipool displayed varying trends with modest changes.

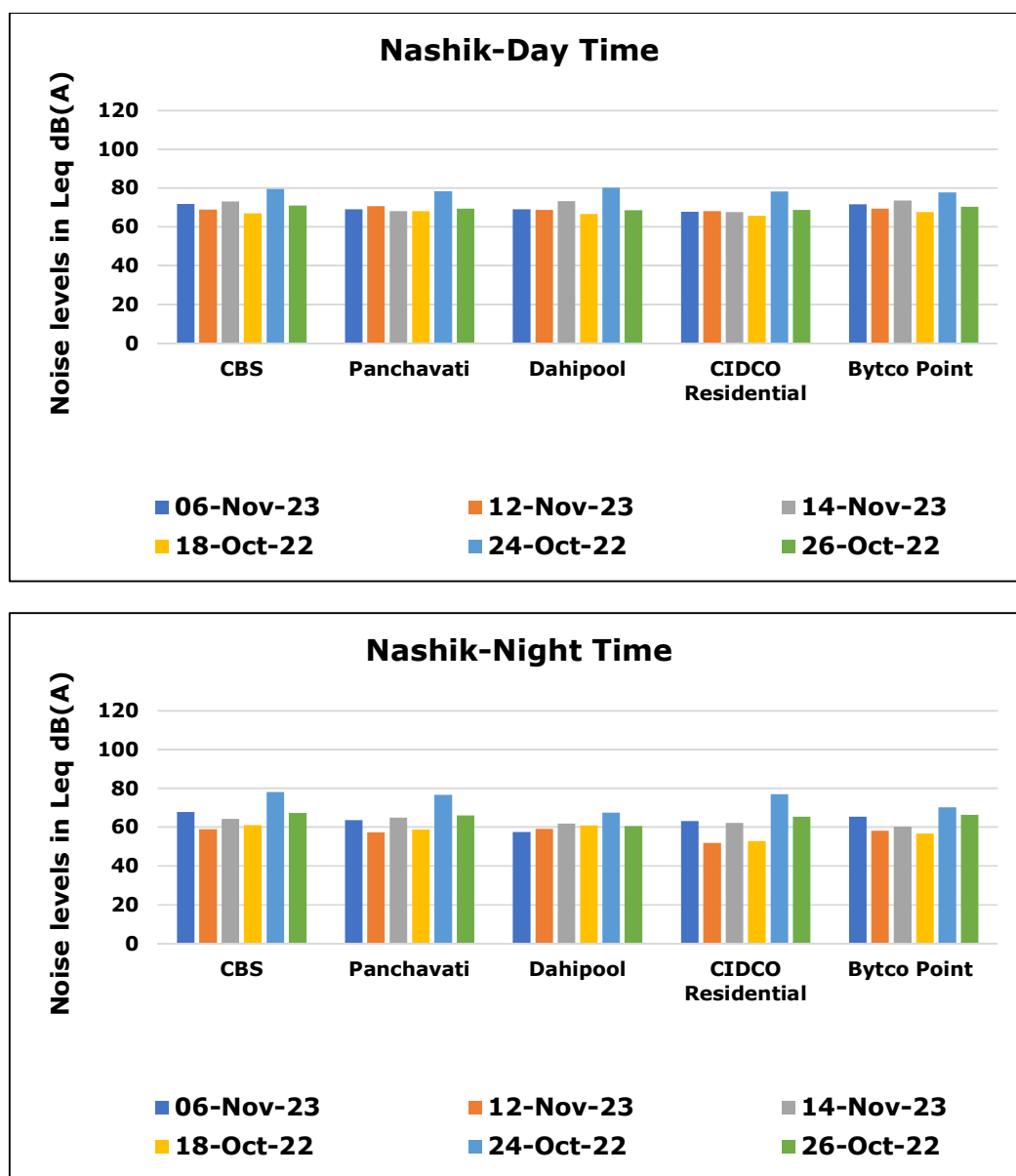


Chart 6.8: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Nashik

## 6.9 Aurangabad

In Aurangabad, Kranti Chowk and CIDCO Residential noted minimal changes, whereas City Chowk showed a marginal 0.1% decrease during the day. Gulmandi and Usmanpura experienced slight changes, while Kranti Chowk showed a 2.9% increase at night. Overall, noise levels exhibited diverse patterns across Aurangabad during Diwali 2023.

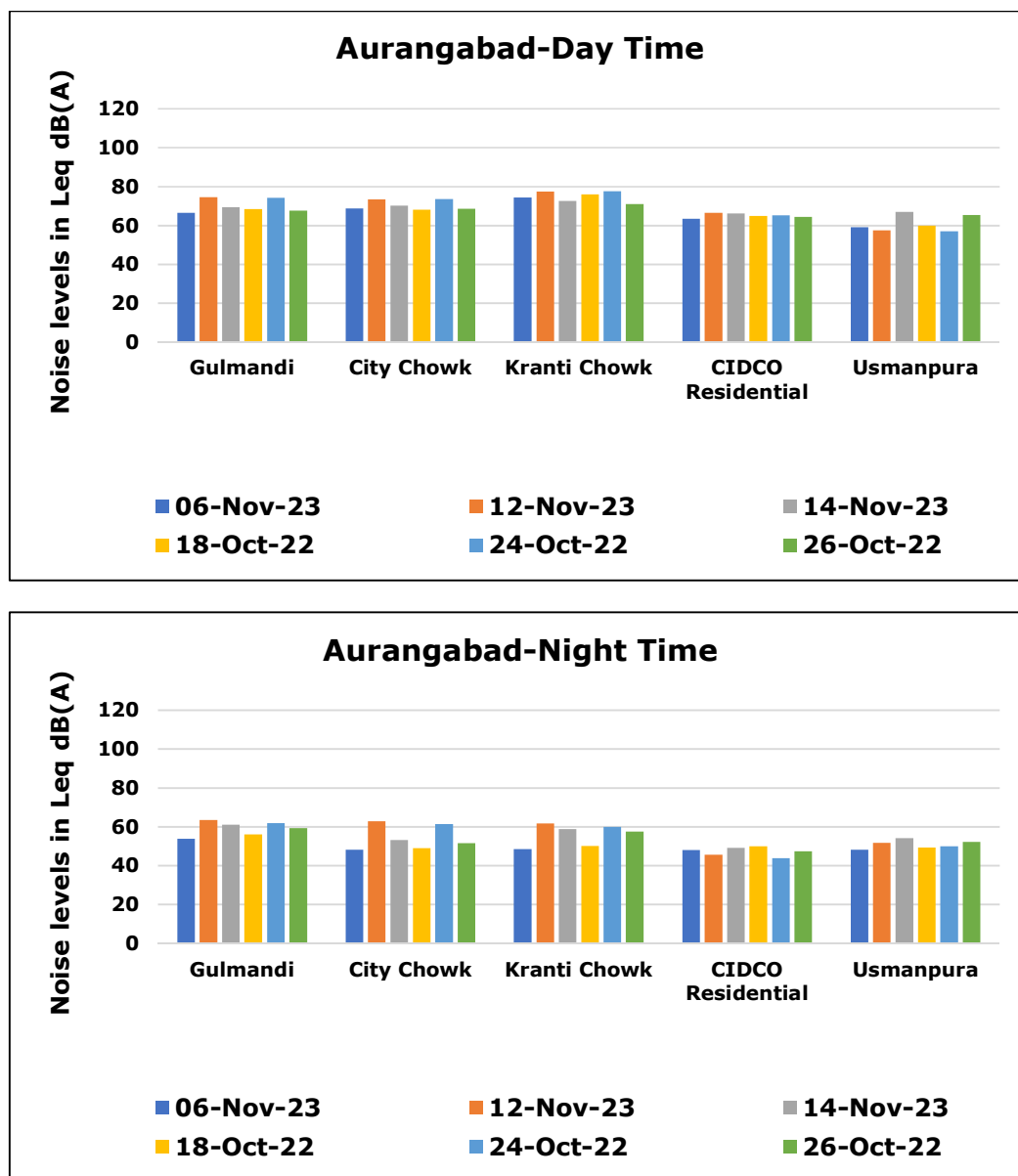


Chart 6.9: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Aurangabad

## 6.10 Nagpur

The overall noise levels at Ajani Chowk and Civil Hospital (GMC) in Nagpur decreased this year both daytime and night time when compared to last year (2023). Civil Lines and Deshpande Layout experienced notable changes, with increases of 20.5% and 14.2%, respectively, at night. Shankar Nagar and Mahal showed varying trends, while Sadar and Ajani Chowk exhibited minor changes. Kalamna noted a 6.6% decrease during the day but remained relatively stable at night.

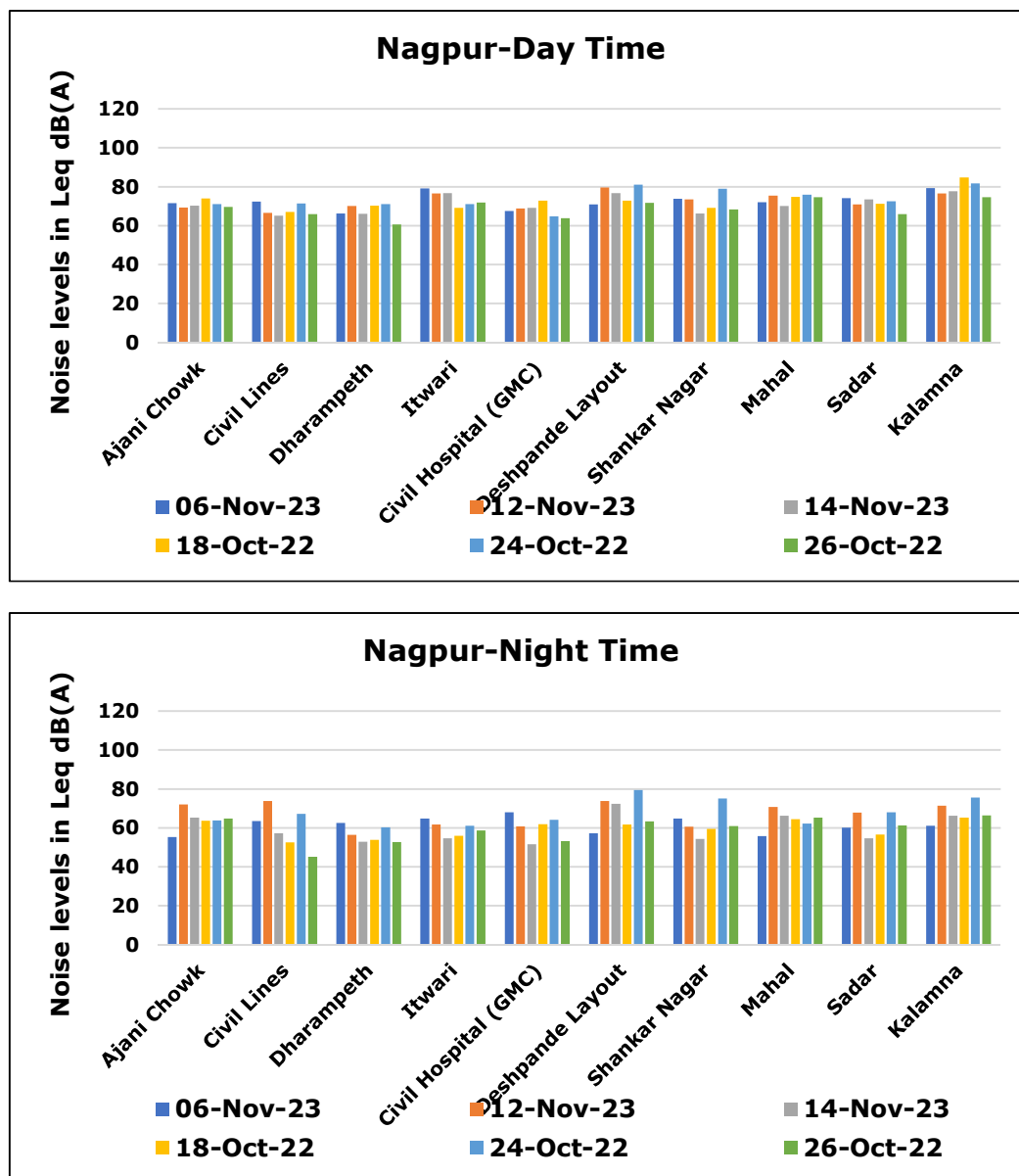


Chart 6.10: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Nagpur

## 6.11 Kalyan

The noise level at Katemanivali and Birla College witnessed significant increases of 25.9% and 27.7%, respectively, at night. Bail Bazar had a 13.4% decrease during the day, while Birla College and Katemanivali experienced noticeable reductions of 15.9% and 10.9% at night, respectively.

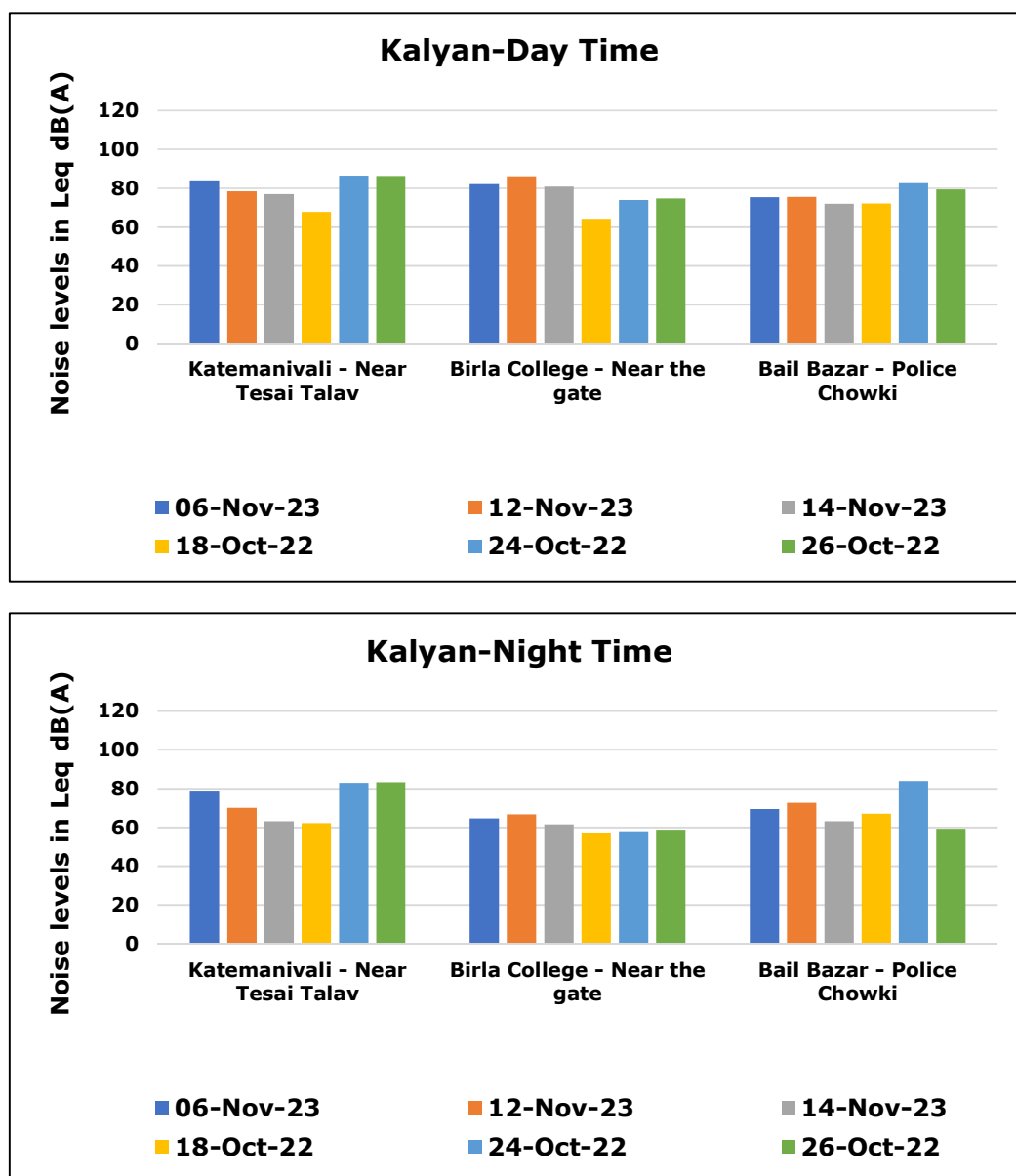


Chart 6.11: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Kalyan

## 6.12 Amravati

In Amravati, Rajkamal Chowk experienced a 7.9% decrease in daytime noise levels, while Ervin Hospital displayed a 6.6% reduction during the day. Both Budhwara Peth and Ervin Hospital showed minimal changes during the night.

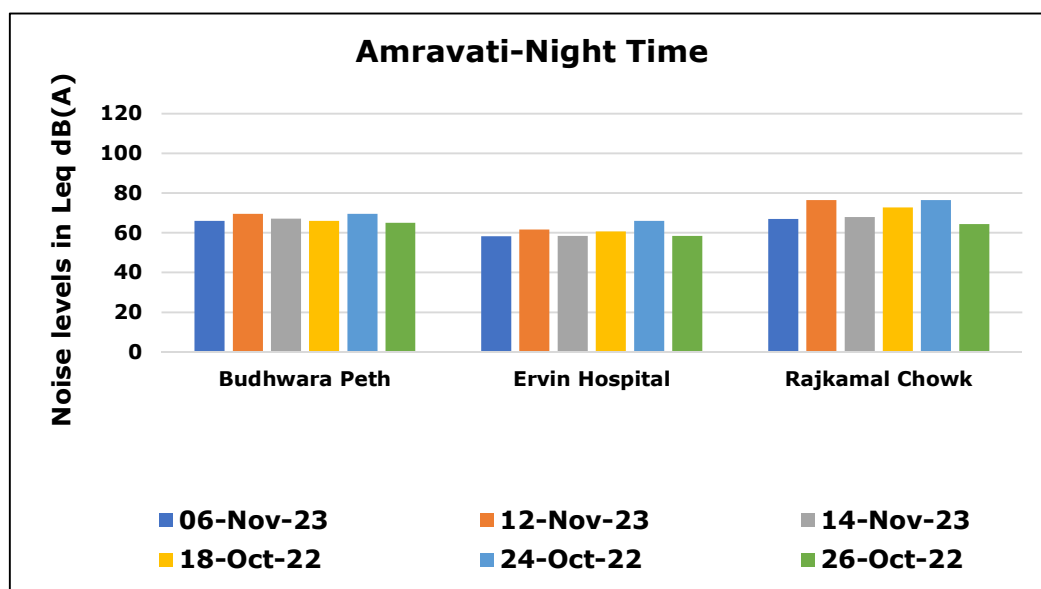
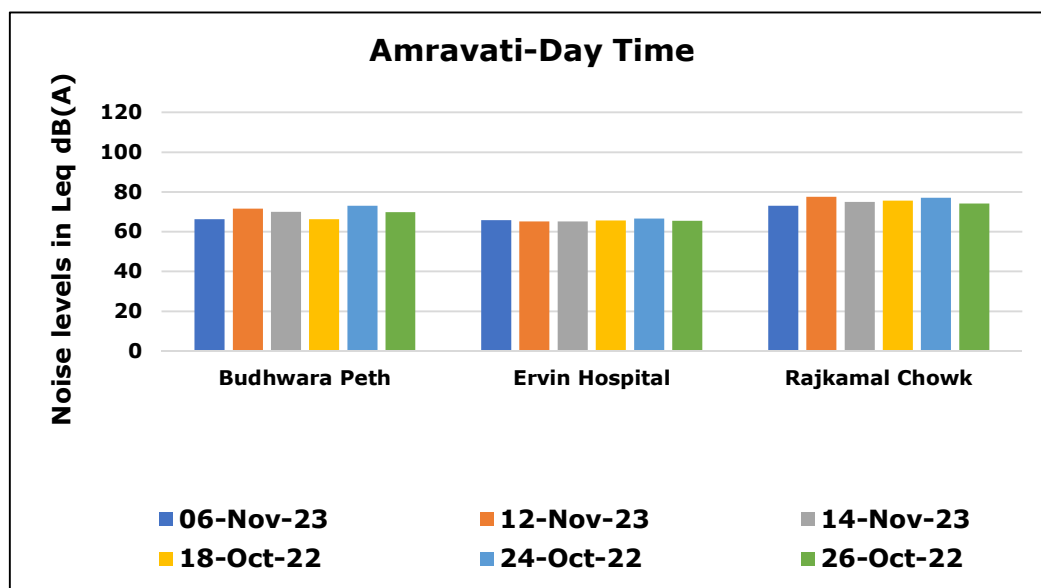


Chart 6.12: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Amravati

### 6.13 Jalgaon

In Jalgaon, near Civil Hospital and Shivaji Chowk (Near Court) exhibited contrasting trends, with the former having a 52.6% decrease at night and the latter showing a substantial 26.1% reduction during the day. Shashtri Tower Chowk experienced a notable 37.2% decrease at night.

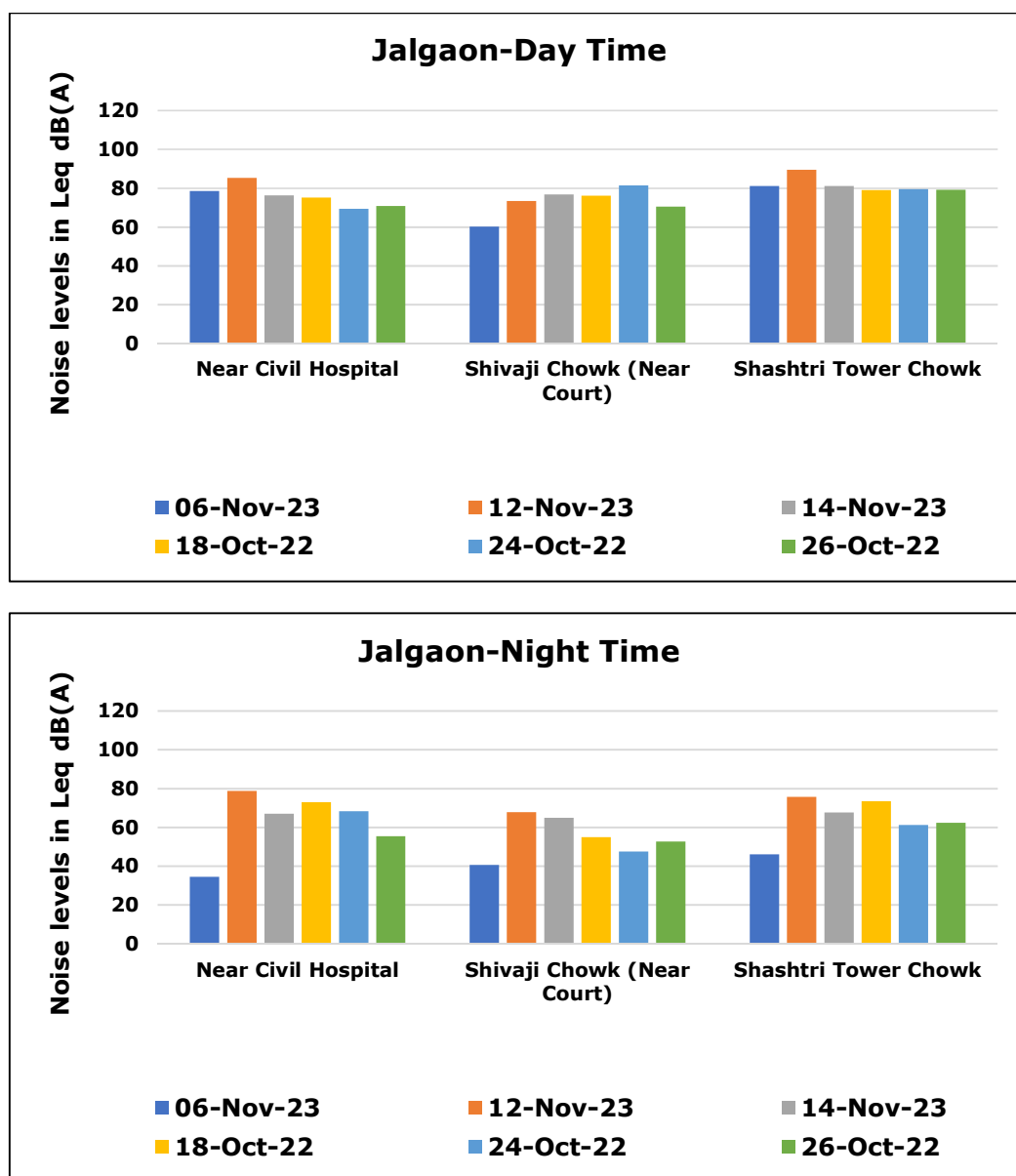


Chart 6.13: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Jalgaon



## 6.14 Kolhapur

In Kolhapur, Tara Rani demonstrated a 23.3% decrease in night noise levels, while Shivaji Chowk experienced a 10.4% increase during the day. Rajaram Puri displayed minimal changes, and Shahupuri had a 6.6% increase during the day. Papachi Tikti and Tara Rani showed relatively stable noise levels during Diwali.

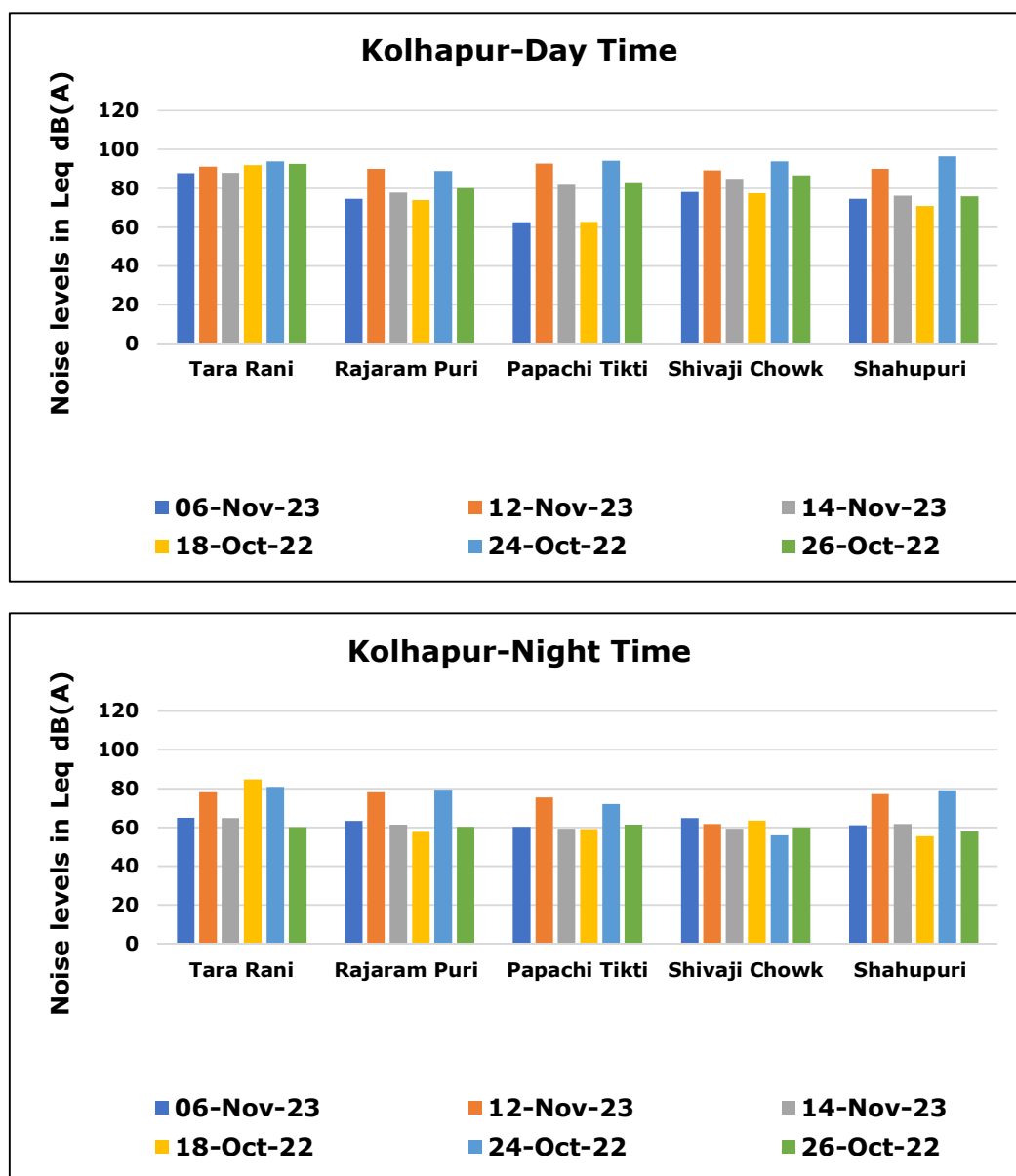


Chart 6.14: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Kolhapur

## 6.15 Sangli

In Sangli, Ganpati Peth and Miraj Market in Sangli experienced diverse trends, with the former having a slight 1.5% decrease in daytime noise levels and the latter showing a 3.0% increase during the day. Herbhat Road and Ganpati Peth exhibited a nighttime reduction of 4.5% and 8.2%, respectively.

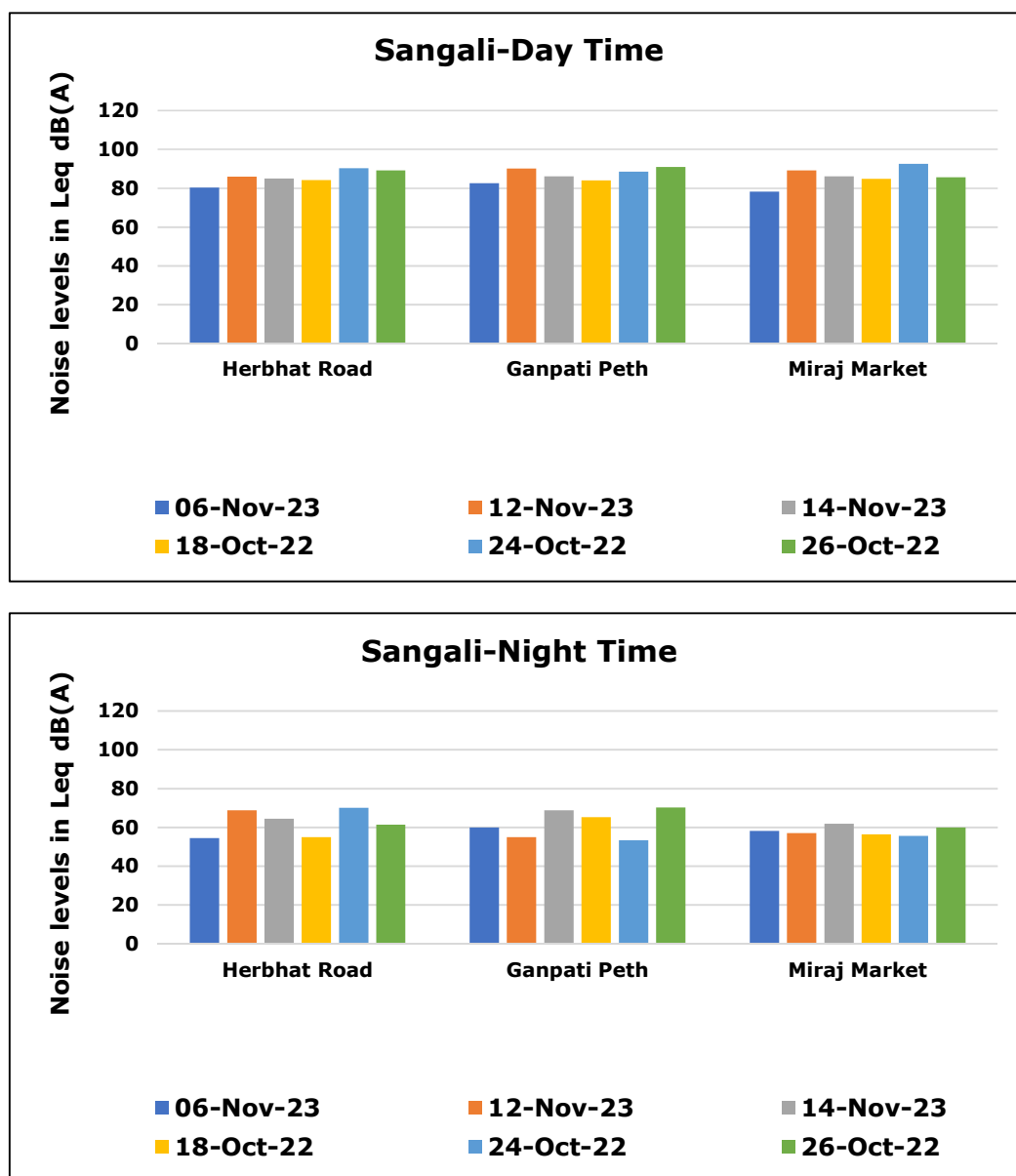


Chart 6.15: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Sangli

## 6.16 Mira-Bhayander

The noise level of Mira-Bhayander was more or less in the same range as compared to last year on all three days both day time and night at all three locations. Shivaji Chowk Kashi Meera exhibited a significant 22.4% decrease at night, while Golden Police Chowki and Bhakti Vedant Hospital, Tenkar Pada, showed varied trends with nighttime reductions of 3.4% and 14.9%, respectively.

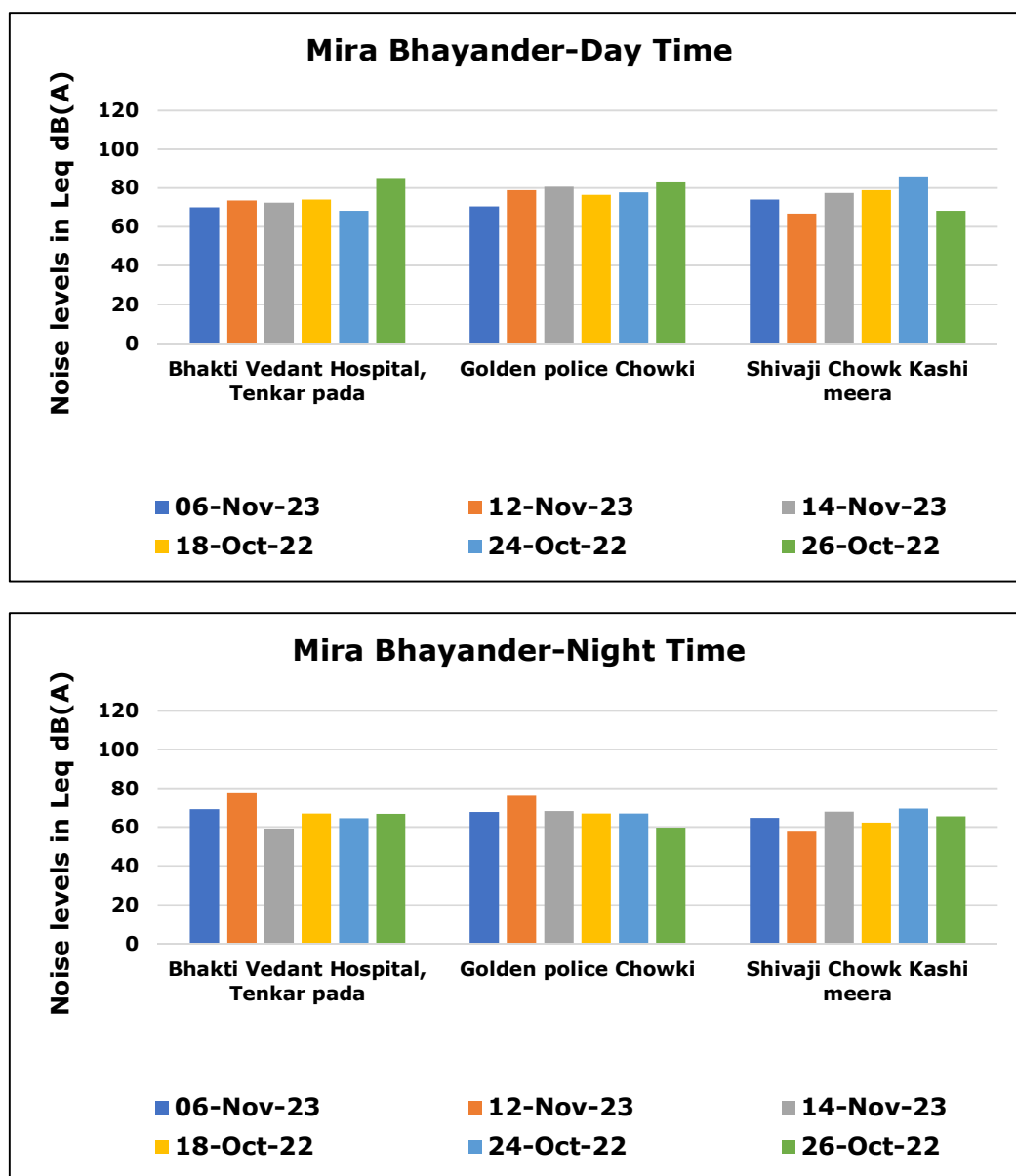


Chart 6.16: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Mira-Bhayander

### 6.17 Vasai-Virar:

In Vasai-Virar Range office, Satwali, Vasai East, and Valiv Phata, Vasai East, displayed a notable 12.2% and 11.5% decrease in daytime noise levels, respectively. N.B. Estate, Virar West, showed nighttime reductions of 14.0%, contrasting with a 7.8% increase during the day.

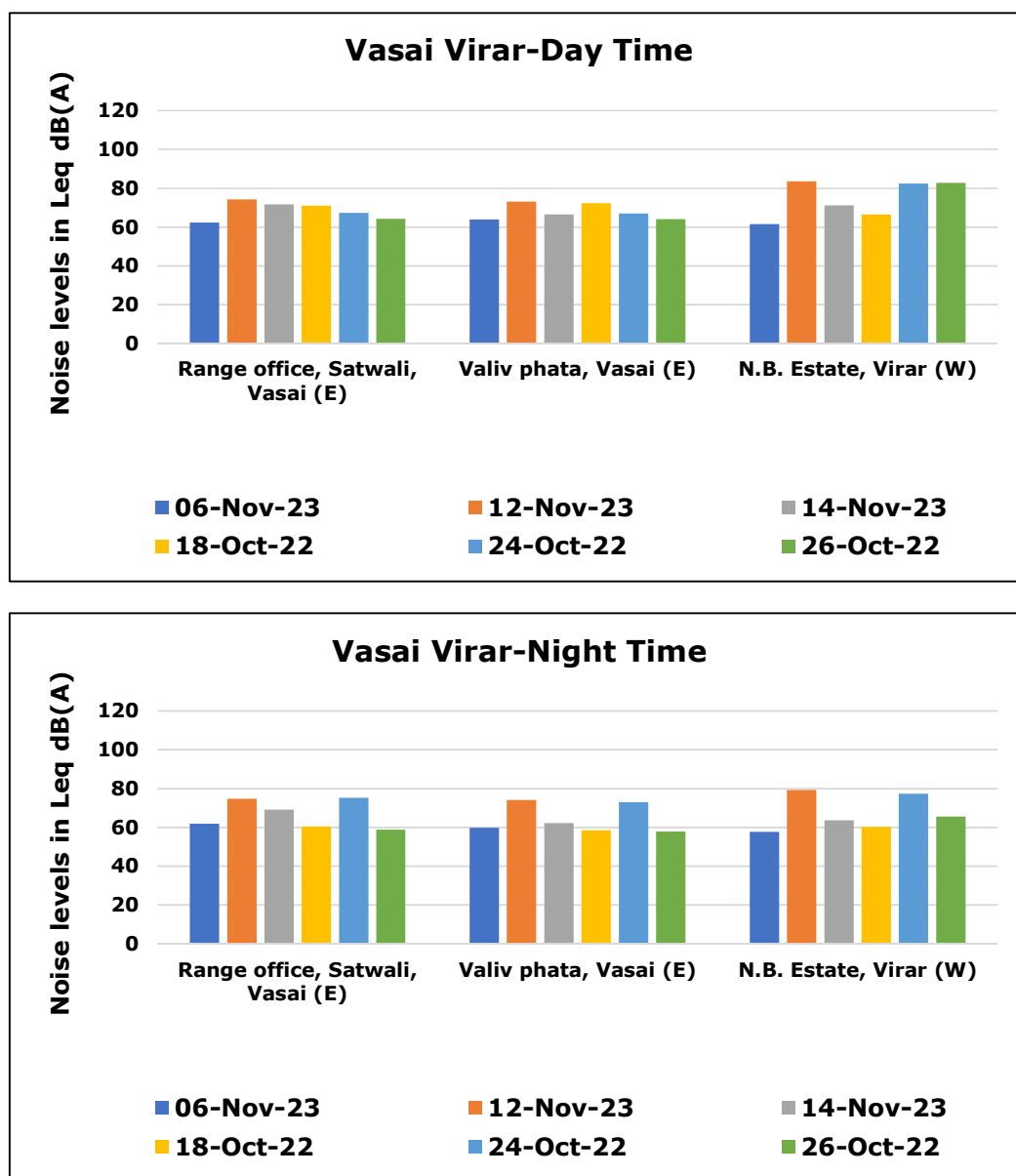


Chart 6.17: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Vasai-Virar

## 6.18 Ulhasnagar

Shivaji Chowk No. 3 and Camp No. 1 Gol Maidan of Ulhasnagar had a substantial increase in daytime noise levels by 6.0% and 7.1%, respectively. In contrast, Camp No. 5 Bus Stop displayed a significant 16.1% increase during the night.

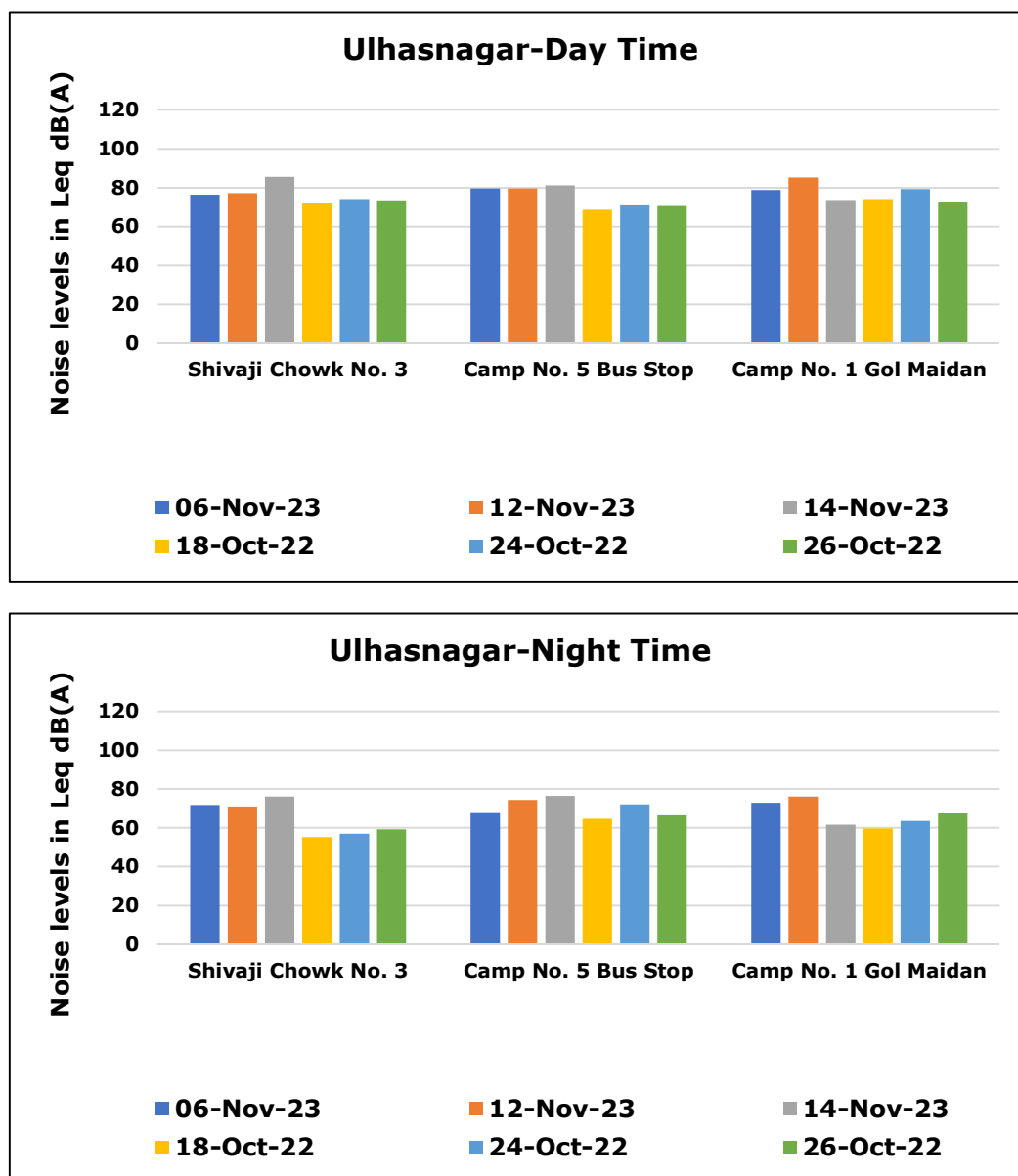


Chart 6.18: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Ulhasnagar

### 6.19 Bhiwandi-Nizampur

The noise level of Bhiwandi - Nizampur was lower than the noise levels of last year on all three days both day time and night at all three locations. Indira Gandhi Memorial Hospital had a 5.6% decrease in daytime noise levels, while Shelar Near Nadi Naka displayed a 3.4% reduction during the day. Dhamankar Naka exhibited a nighttime reduction of 7.8%.

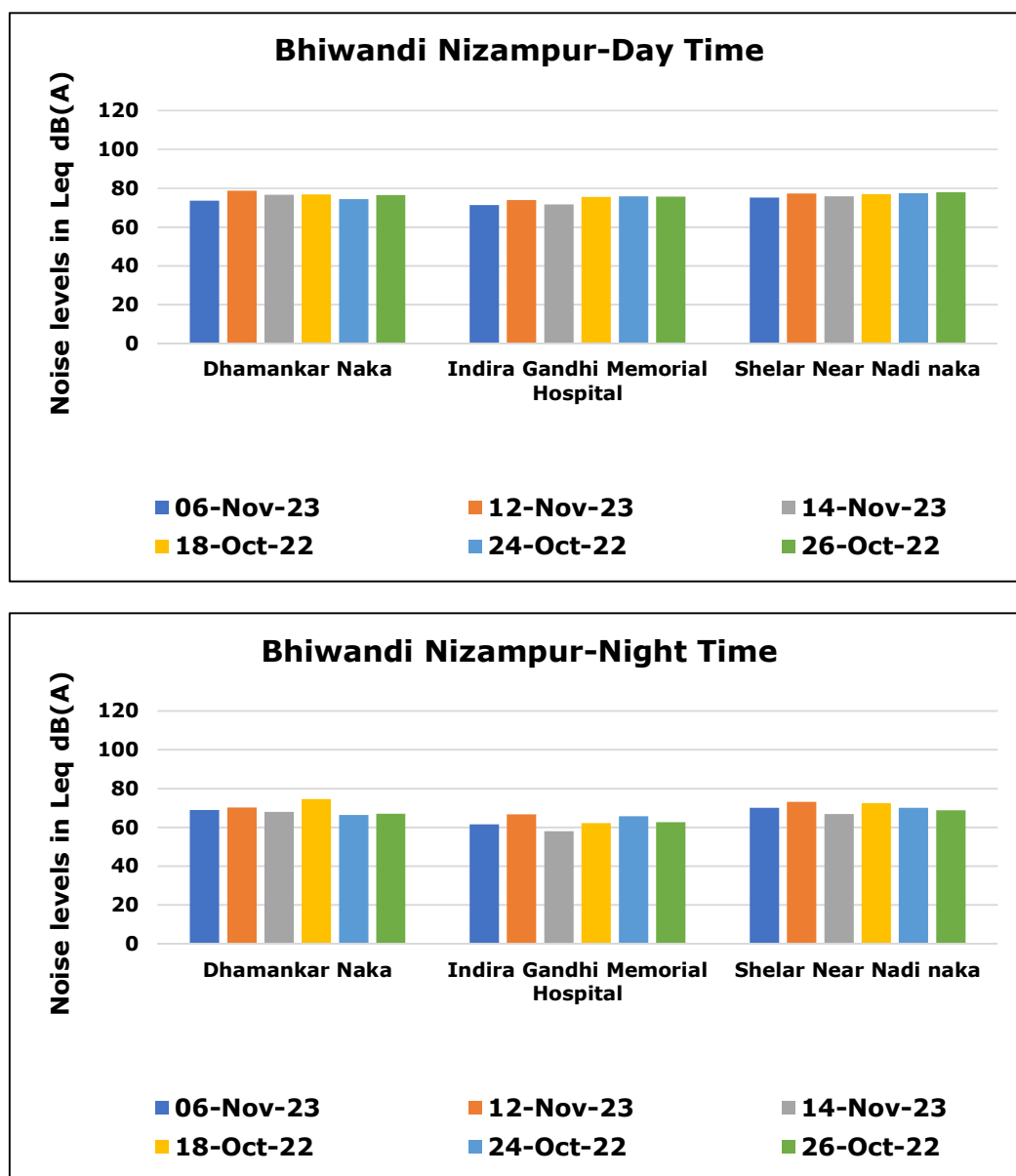


Chart 6.19: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Bhiwandi

## 6.20 Chandrapur

The noise level at Gandhi Chowk and Warora Naka in Chandrapur experienced varied noise trends during Diwali. Gandhi Chowk displayed a 4.5% increase in daytime noise levels, while Jatpura Gate had a 3.2% reduction. Warora Naka exhibited a nighttime increase of 6.8%.

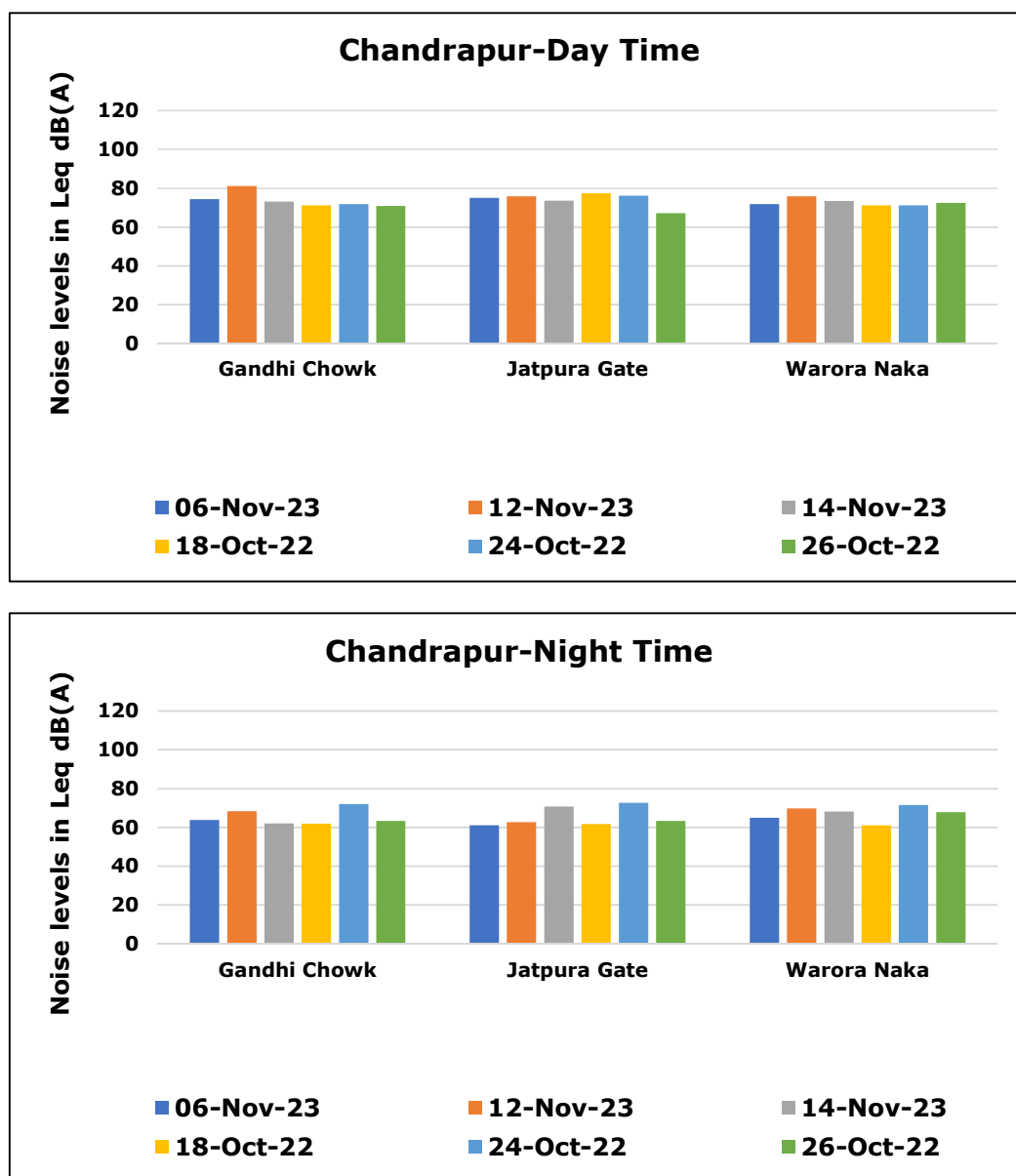


Chart 6.20: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Chandrapur

## 6.21 Nanded-Waghala

The noise level at Shivaji Nagar and Ganesh Nagar showed diverse trends, with the former having a nighttime reduction of 2.4%, and the latter displaying a 2.6% increase during the day. Shree Guru Govindsing Govt. Medical College & Hospital exhibited a nighttime increase of 2.4%.

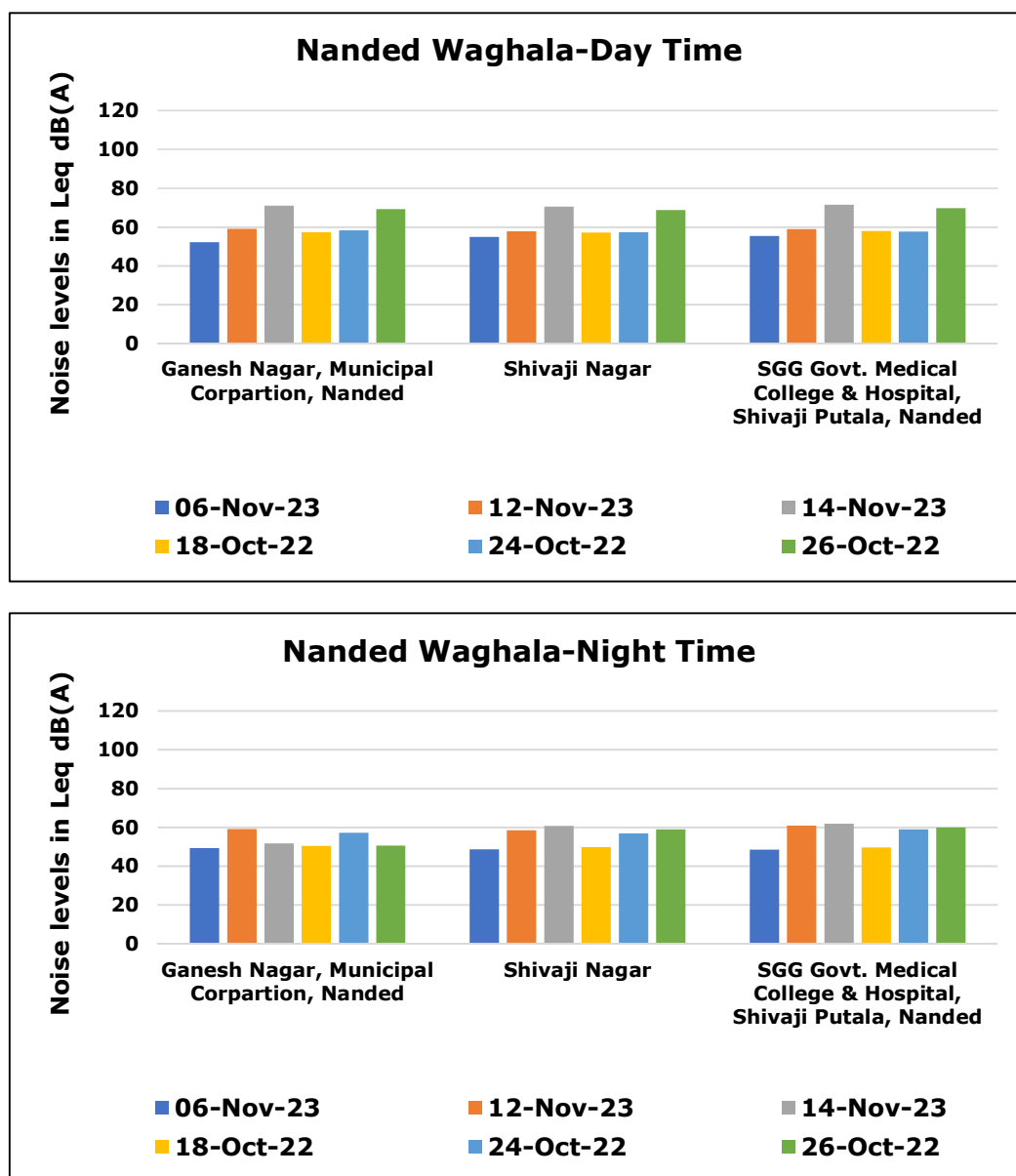


Chart 6.21: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Nanded-Waghala



## 6.22 Ahmednagar

The noise level at Chitale Road in Ahmednagar displayed a nighttime reduction of 3.2%, while Kotala Chowk had a substantial 16.3% increase during the day. Old Bus Stand exhibited varied trends with nighttime reductions of 1.7%.

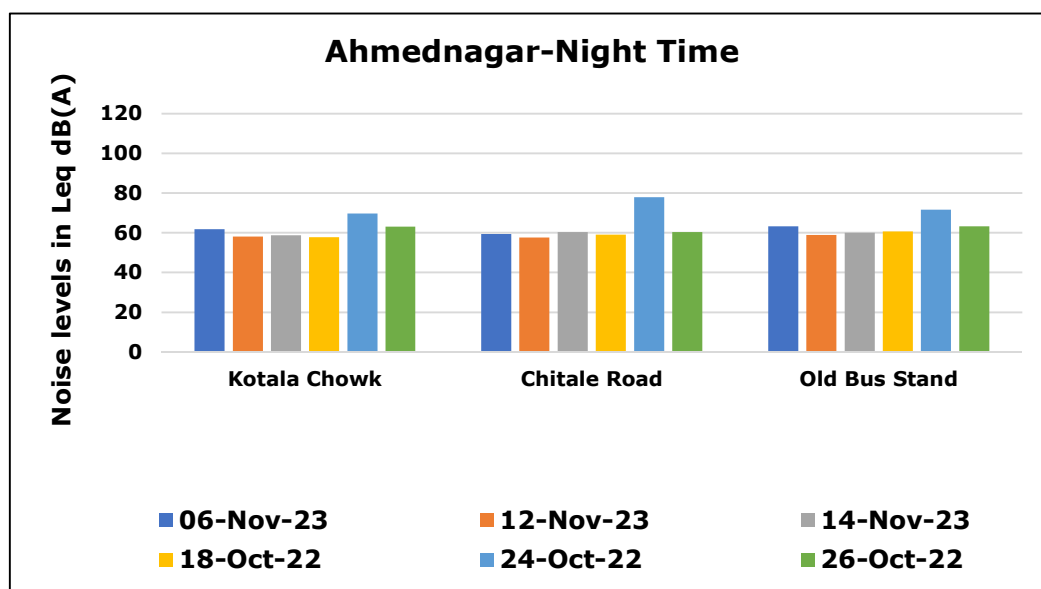
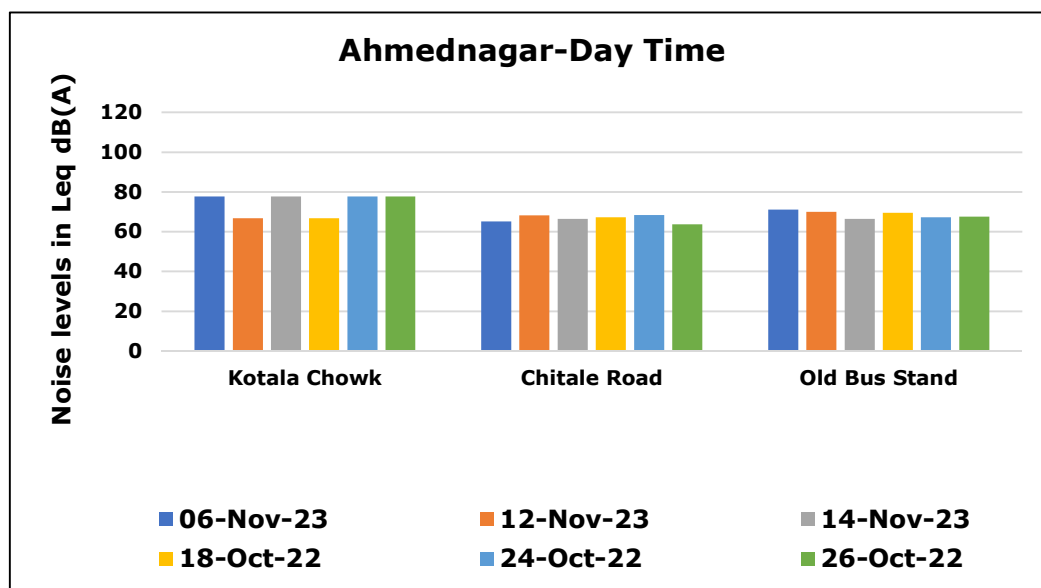


Chart 6.22: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Ahmednagar

## 6.23 Dhule

Fulwala Chowk and Santoshi Mata Chowk showed diverse trends, with the former having a nighttime reduction of 2.9%, and the latter displaying a 0.7% increase during the day. Agrasen Chowk exhibited a nighttime increase of 4.5%.

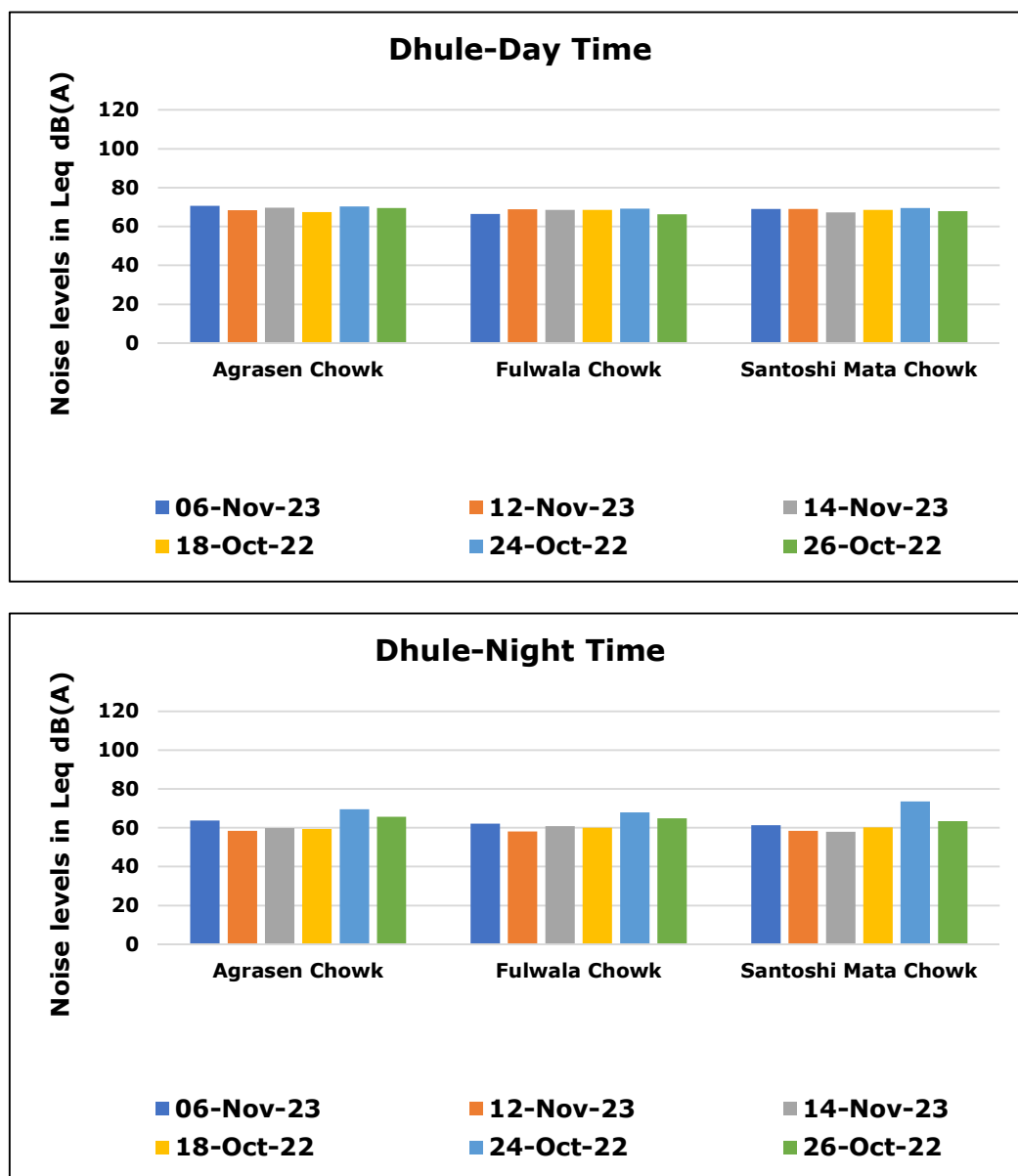


Chart 6.23: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Dhule

## 6.24 Malegaon

Satana Naka and Mosampul showed diverse trends, with the former having a nighttime reduction of 3.1%, and the latter displaying a 3.9% decrease during the day. Malegaon Camp exhibited a nighttime increase of 1.8%.

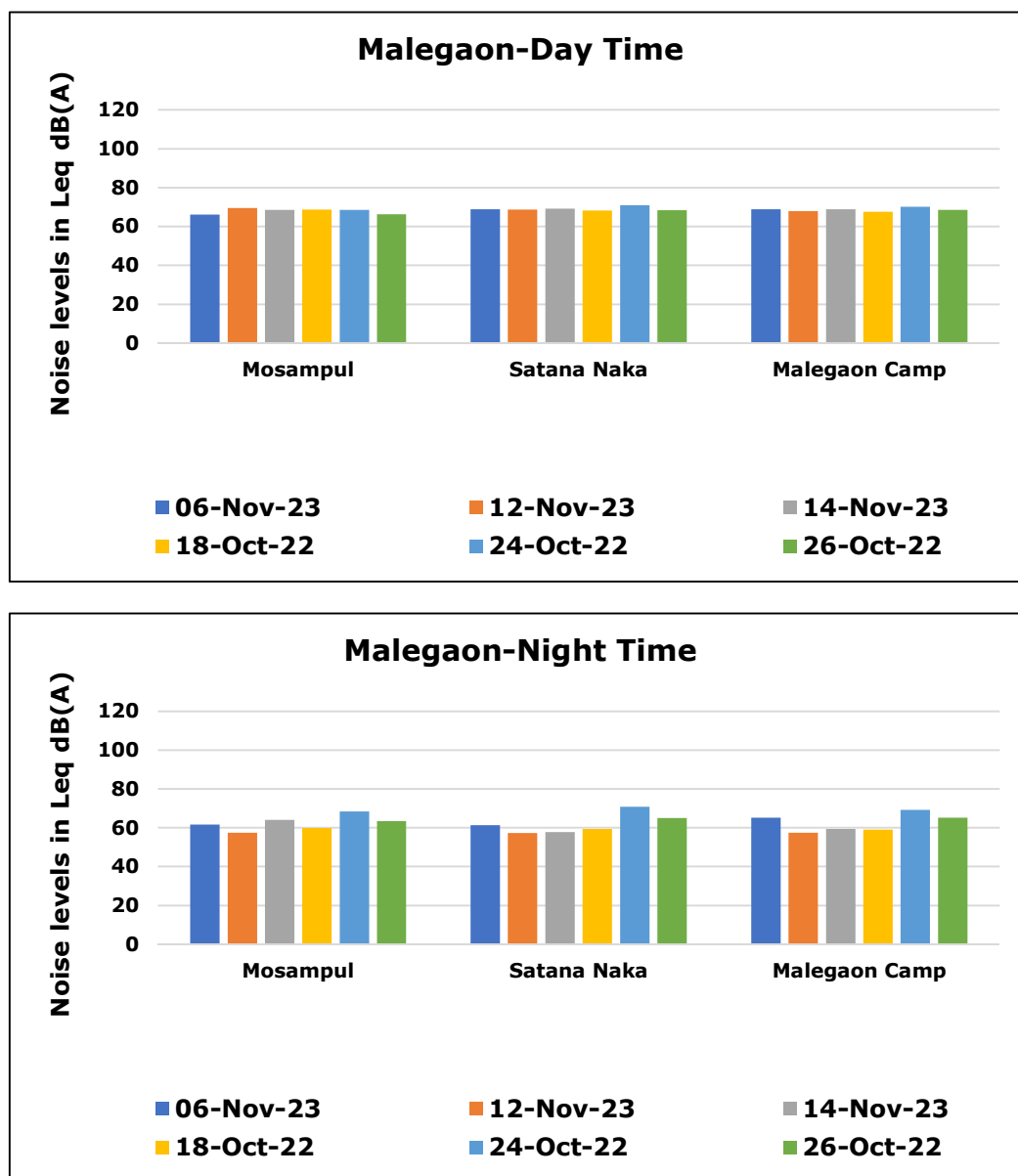


Chart 6.24: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Malegaon

## 6.25 Pimpri-Chinchwad

The noise level of Pimpri-Chinchwad was lesser this year as compared to last year at all three locations on all three days of monitoring during night time. Chinchwad (Chafekar Chowk) and Thergaon (Dange Chowk) in Pimpri-Chinchwad showed diverse trends, with the former having a nighttime reduction of 4.2%, and the latter displaying a 1.7% decrease during the day. Pimpri (Dilux Chowk) exhibited a nighttime increase of 10.0%.

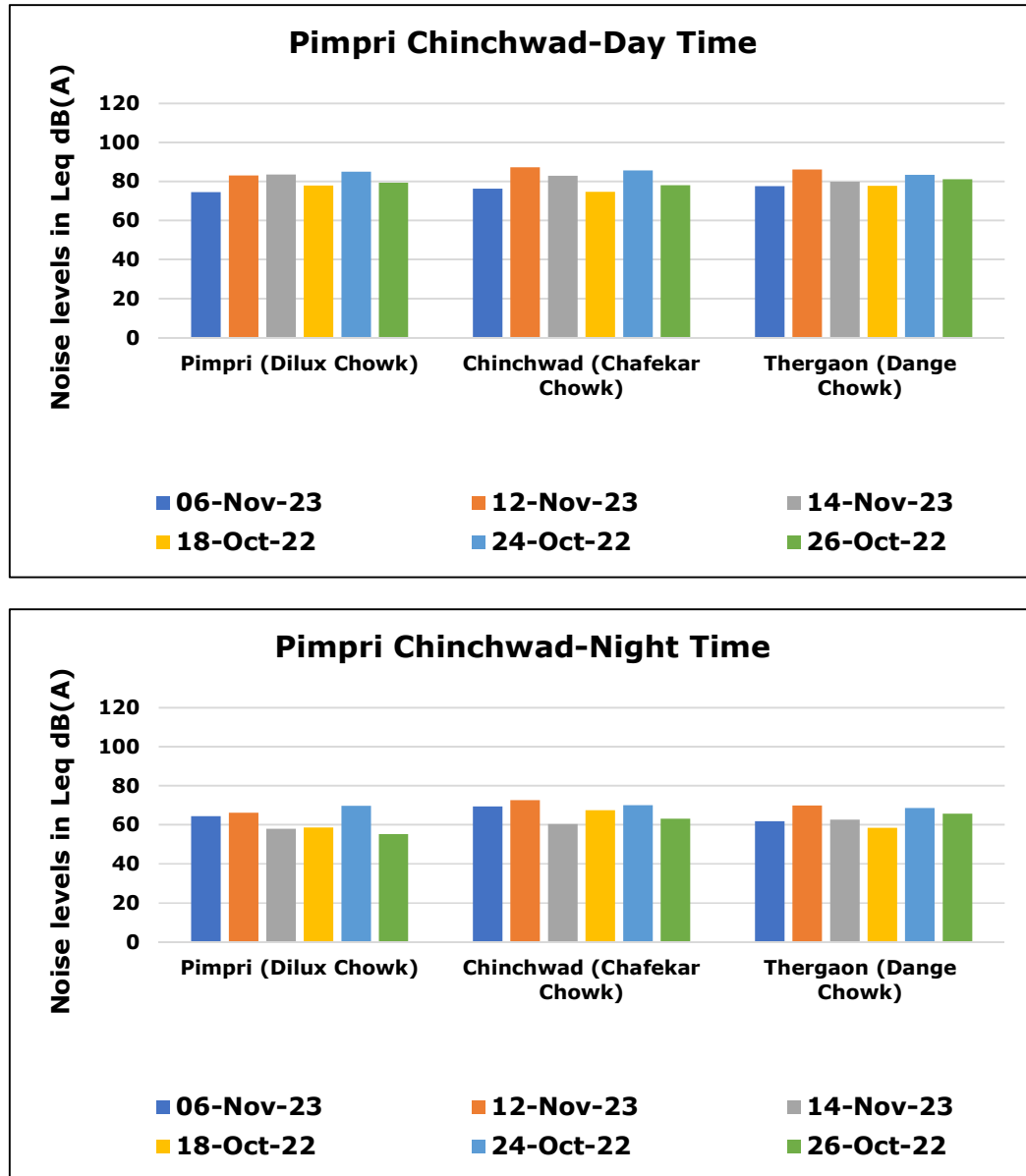


Chart 6.25: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Pimpri-Chinchwad

## 6.26 Parbhani

Shivaji Chawk and Raigad Corner showed diverse trends, with the former having a nighttime reduction of 5.0%, and the latter displaying a 4.7% decrease during the day. Shivaji Maharaj Putala exhibited a nighttime increase of 2.6%.

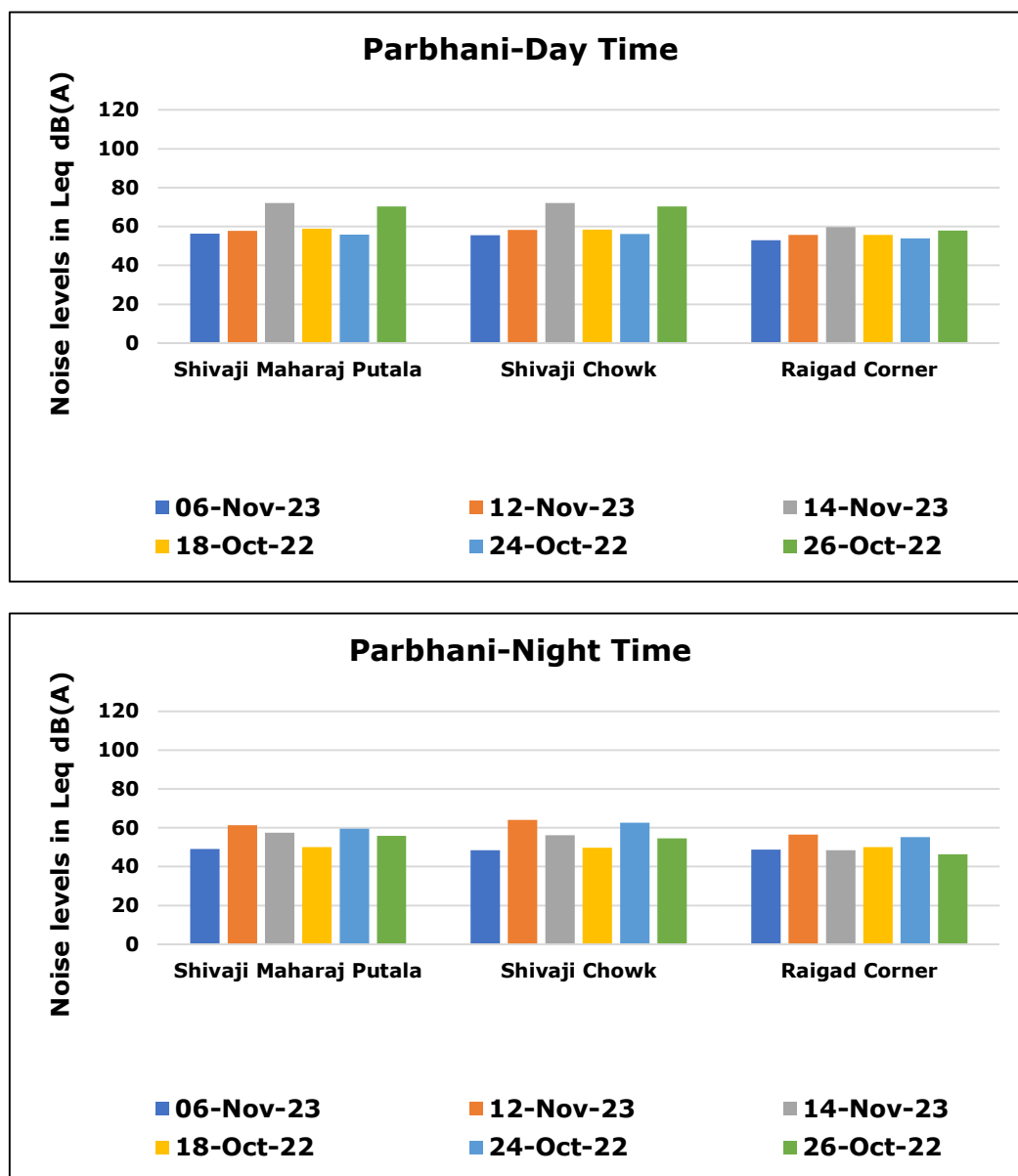


Chart 6.26: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Parbhani

## 6.27 Latur

A decrease in noise level was observed at all three locations of Latur during day time this year. Kesharaj High School and Aadarsh Colony exhibited diverse trends, with the former having a nighttime reduction of 2.9%, and the latter displaying a 1.6% decrease during the day. Ganjgolai exhibited a nighttime increase of 2.4%.

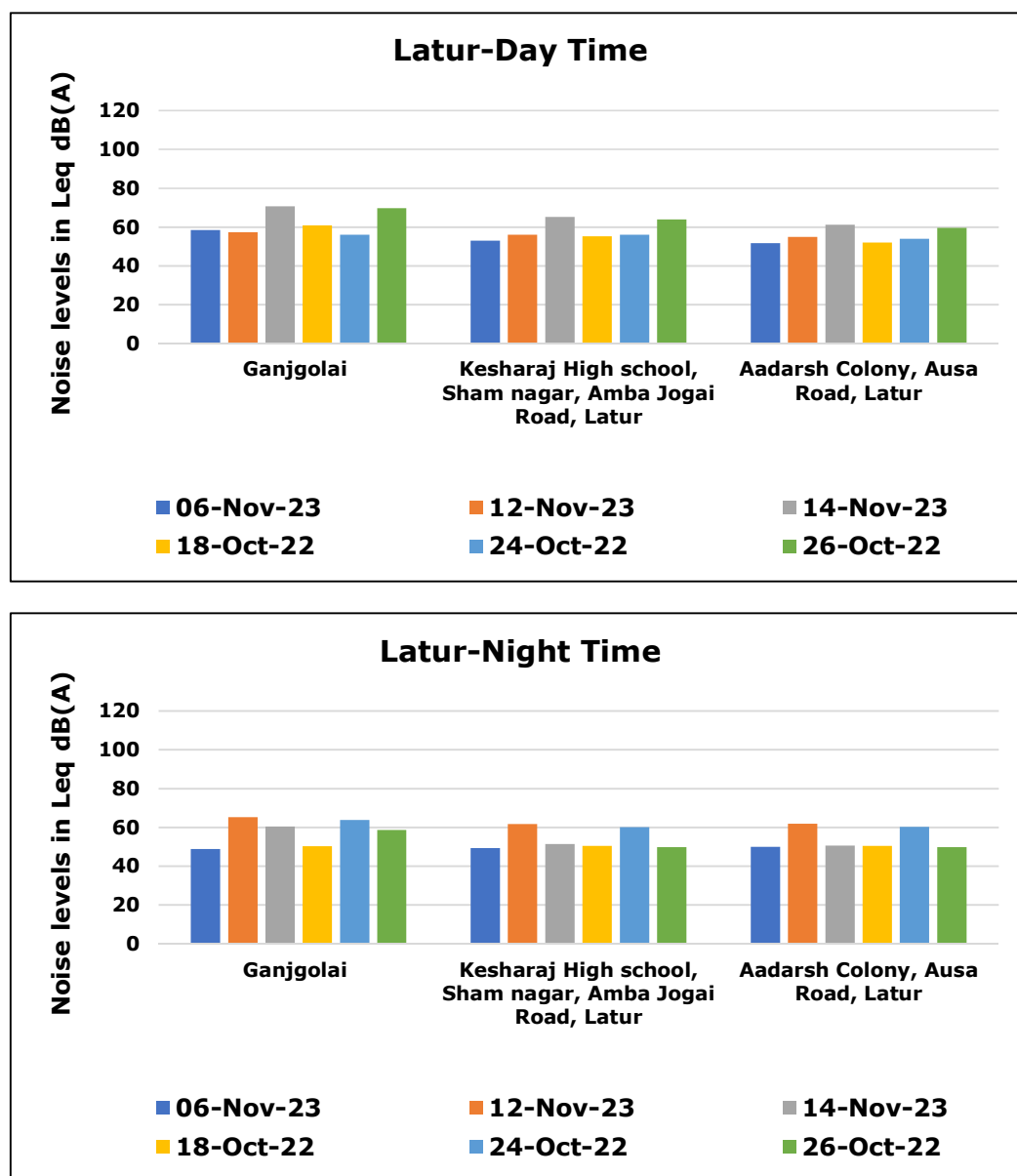


Chart 6.27: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Latur

## 6.28 Akola

Civil Line Chowk and City Kotawali Chowk showed diverse trends, with the former having a nighttime reduction of 16.1%, and the latter displaying a 10.6% decrease during the day. Collector Office exhibited a nighttime increase of 15.8%.

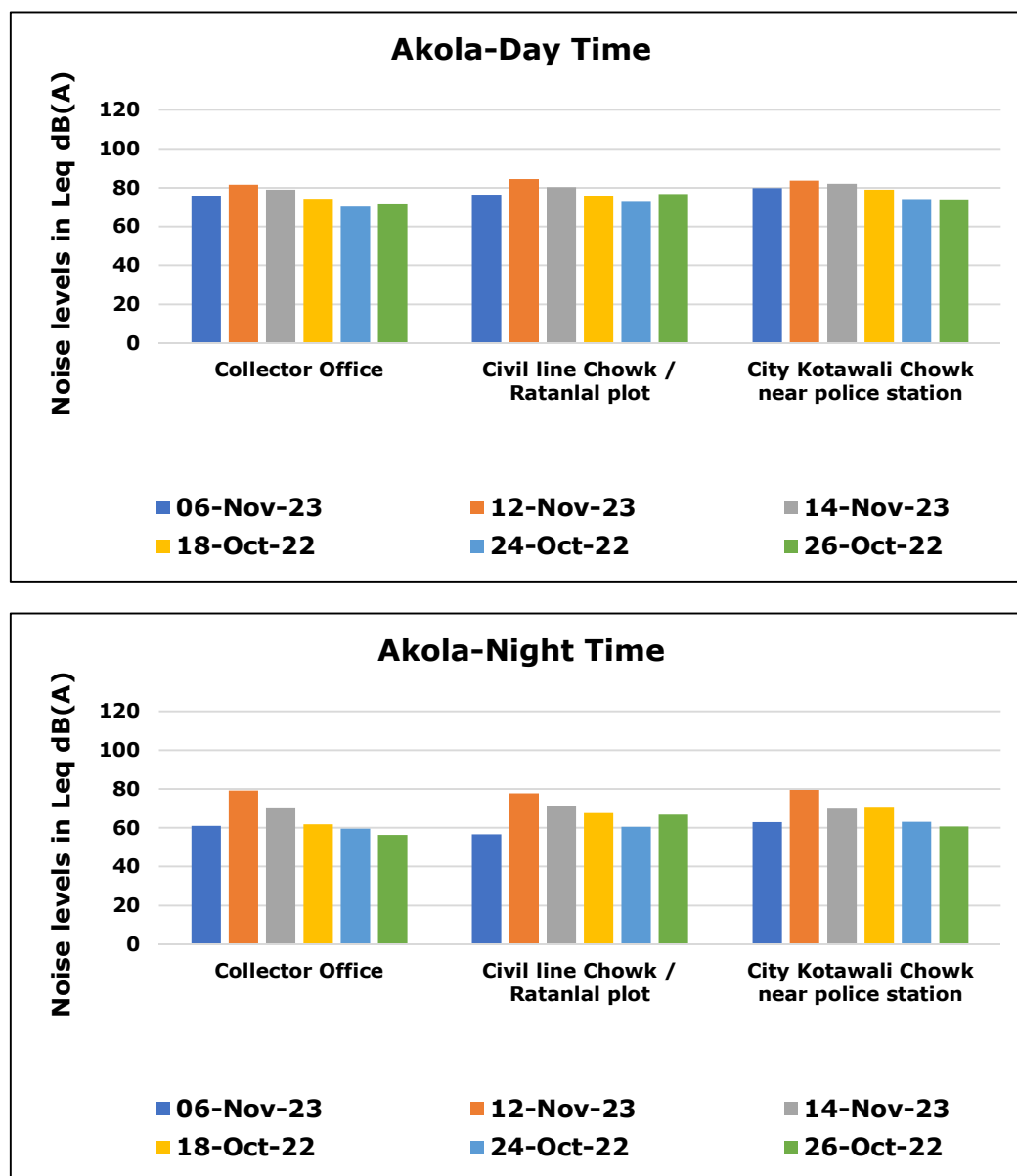


Chart 6.28: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Akola

## 6.29 Solapur

Ashok Chowk and Hotgi & Bijapur Road showed diverse trends, with the former having a nighttime reduction of 2.0%, and the latter displaying a 7.0% decrease during the day. Balives exhibited a nighttime increase of 2.8%.

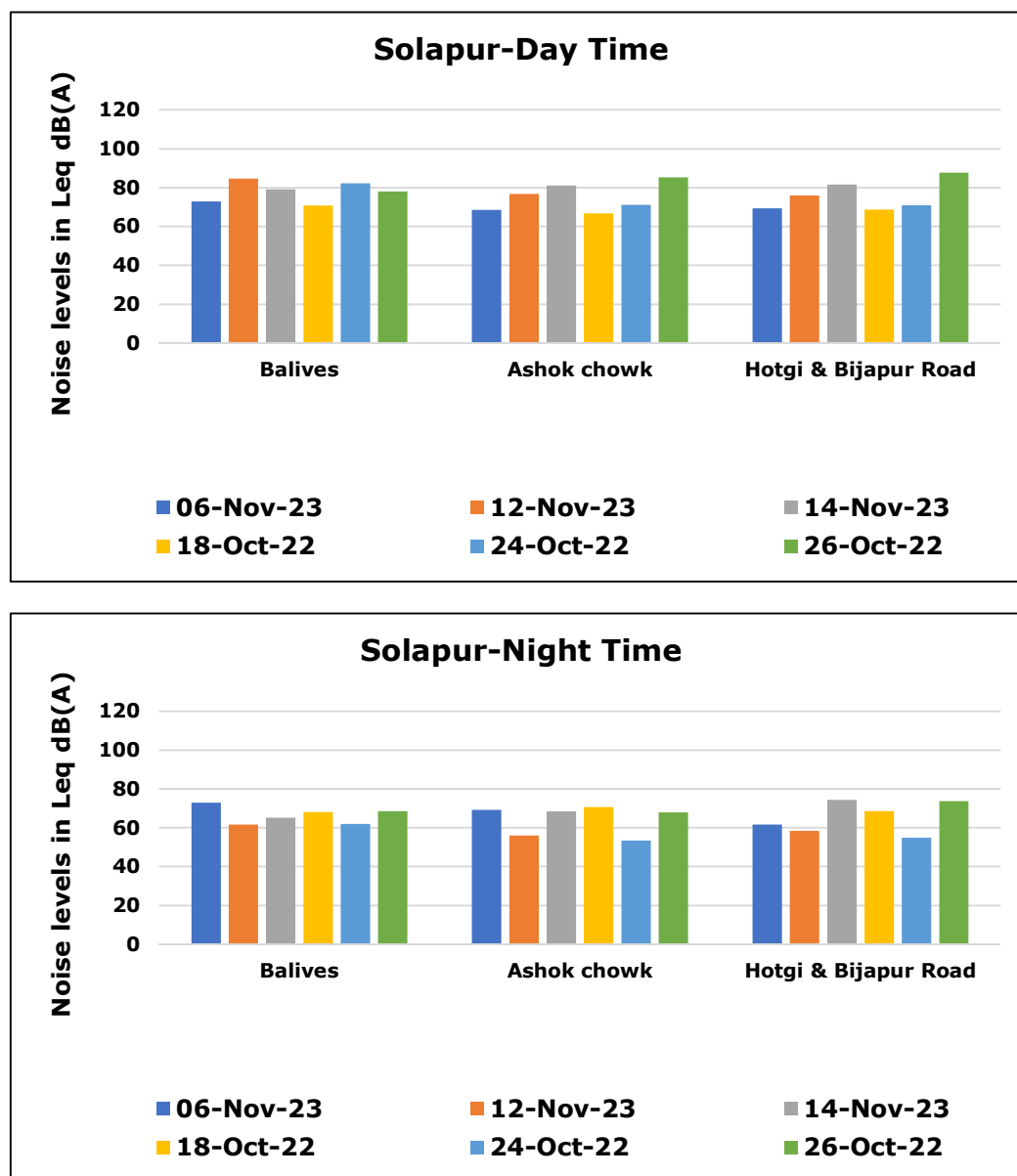


Chart 6.29: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Solapur



### 6.30 Badlapur

Katrap Gaon Opposite Ghorpade Chowk exhibited a nighttime reduction of 0.2%, while Surwal Chowk, Shirgaon, Badlapur, displayed a 2.6% decrease during the day. Gandhi Chowk, Badlapur, exhibited a nighttime increase of 16.8%.

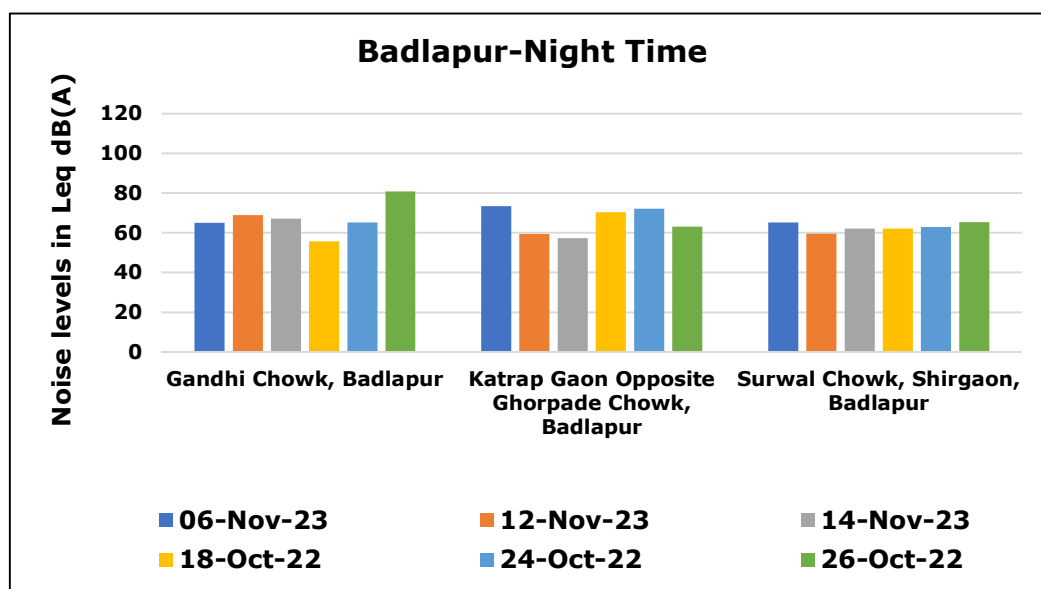
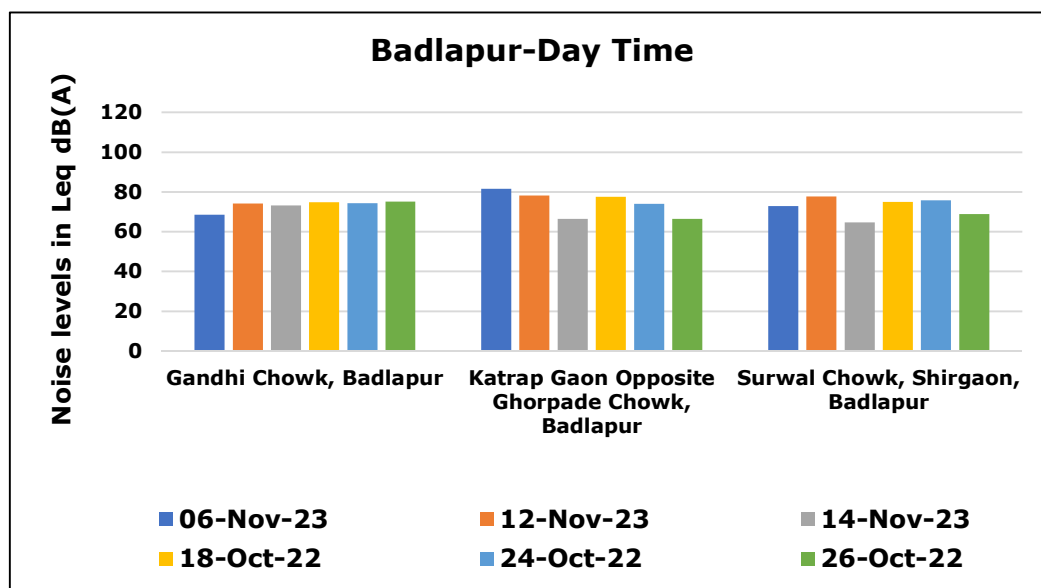


Chart 6.30: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Badlapur

### 6.31 Jalna

In Jalna, Bhagya Nagar exhibited a nighttime reduction of 0.4%, while Mantha Choufulee displayed a 1.3% decrease during the day. Shivaji Chowk exhibited a nighttime increase of 1.6%.

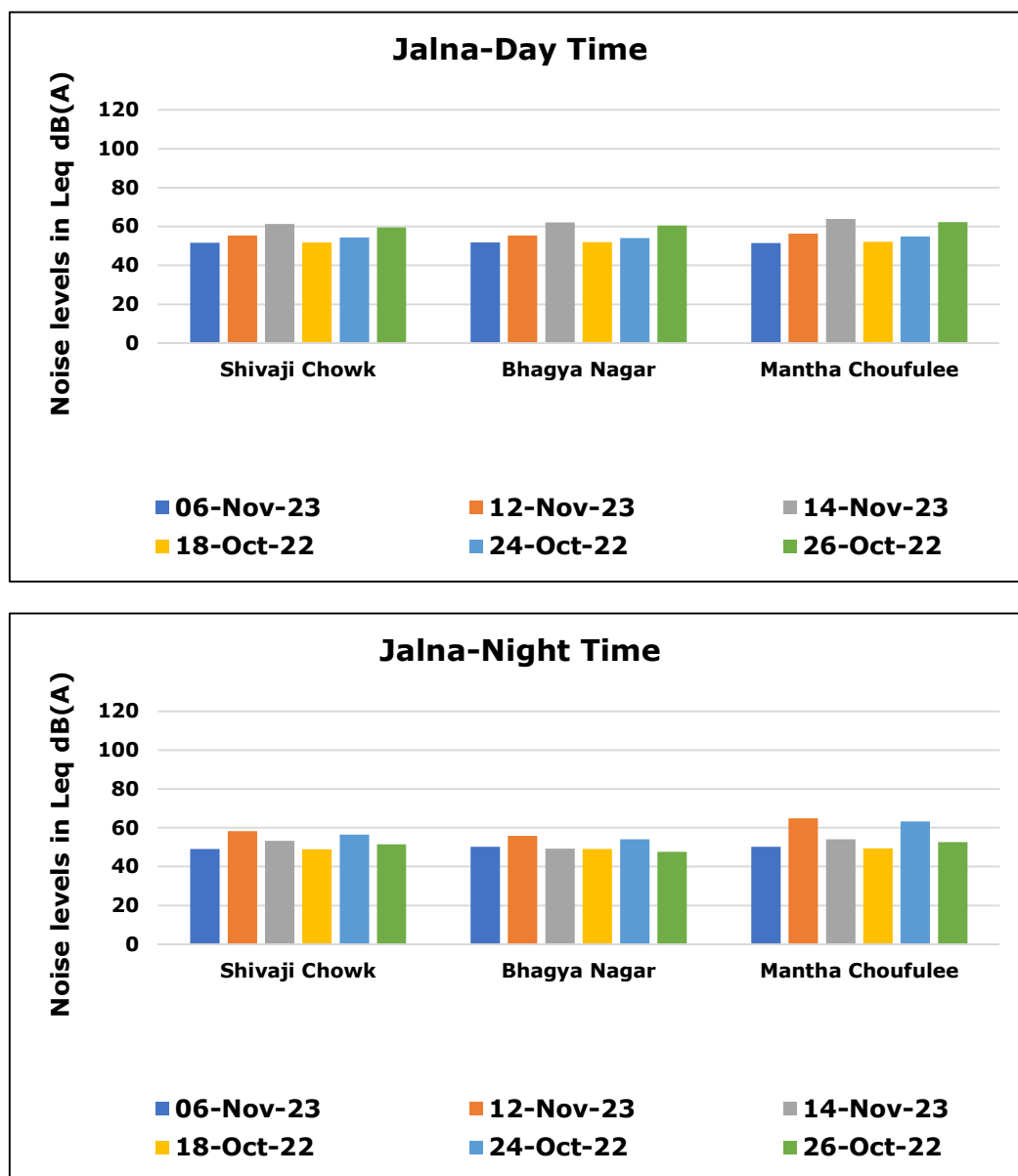


Chart 6.31: Comparison of Noise Levels for the year 2023 and 2022 during Diwali Festival in Jalna

In general, noise levels at few locations show some improvements as compared to the last year (2023). Overall, the percentage distributions of the noise level in terms of increase and decrease with respect to the number of locations for the years 2022 & 2023 are depicted in the following pie charts:

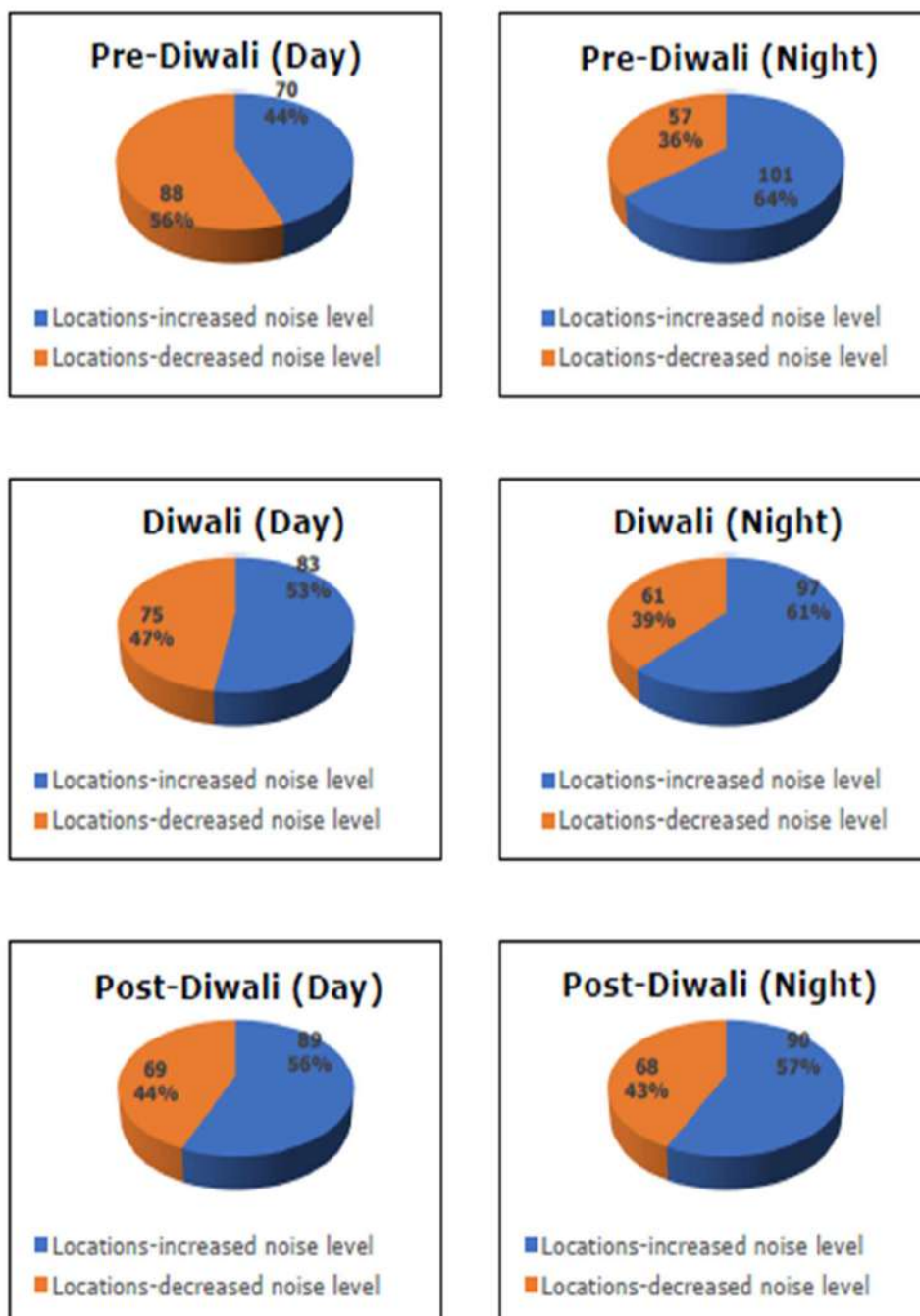


Chart 6.32: The Percentage Distribution of Noise Levels w.r.t. Locations during Pre-Diwali, Diwali day and Post-Diwali day (2022 & 2023)

The pie charts show that during Pre-Diwali this year, out of 158 locations, noise levels increased at 106 locations and decreased at 52 locations during the daytime as compared to last year (2022). However, it increased at 103 locations and decreased at 55 locations during the night time when compared with the previous year 2022 noise levels.

On Diwali, out of 158 locations, noise levels increased at 120 locations and decreased at 38 locations during day and the same increased at 123 locations and decreased at 35 locations during night, when compared with the previous year-2022 noise levels.

Comparing the noise levels of Post-Diwali of year 2022 and year 2023, it was observed that the noise levels increased at 120 locations and decreased at 38 locations during day time this year. However, the noise levels increased at 114 locations and decreased at 44 locations during the night time.

## 7 CONCLUSIONS

The present study illustrates the results of the ambient noise levels observed at 158 locations covering 27 municipal corporations during Diwali festival. To check the real impact of crackers and Diwali celebration, the monitoring was done on three days viz. 6th November (Pre-Diwali), 12th November (on Diwali) and 14th November (Post-Diwali). The results show that the overall decibel levels were higher on Diwali day i.e. 12th November as compared to other two days of monitoring.

The study exhibits that the average noise levels observed were higher than the prescribed standards, however as compared to the last year, the decibel levels were lower this year at most of the locations. These noise levels were cumulative effect of the various sources of noise including heavy traffic, honking, domestic activities, construction etc and of course the firecrackers.

During this year of monitoring, on pre-Diwali day i.e. on 6th November 2023, the average noise level (LeqA) ranged between 34.6dB(A) and 87.8dB(A) while the same on the festival day i.e. on 12th November 2023, ranged between 45.6dB(A) and 92.7dB(A) and on post-Diwali day i.e. on 14th November (Post-Diwali), it ranged between 48.5dB(A) and 88.0dB(A). On pre-Diwali Day, the minimum noise level 30.1dB(A) was reported at Gandhi Chowk, Badlapur and the maximum noise level 99.2dB(A) was reported at Gandhi Market, Matunga, Mumbai, while on Diwali day minimum noise level 30.3dB(A) was reported at Vikhroli (west), Mumbai and the maximum noise level 101.0dB(A) was reported at Seweree, Mumbai. On post-Diwali day, the minimum noise level 30.9dB(A) was reported at Marve, Mumbai and the maximum noise level 98.0dB(A) was reported at Dharavi, Mumbai.

When compared with the previous year 2023 noise levels, it was observed that this year-2023 on pre-Diwali, out of 158 locations, noise levels increased at 70 locations, decreased at 88 locations during the day time and it increased at 101 locations, decreased at 57 locations during the night time. On Diwali, out of 158 locations, noise levels increased at 83 locations, decreased at 75 locations during day and the same increased at 97 locations and decreased at 61 locations during the night, when compared with the previous year (2022) noise levels. On post-Diwali, out of 158 locations, noise levels increased at 89 locations, decreased at 69 locations during day and the same increased at 90 locations and decreased at 68 locations during night, when compared with the previous year's (2022) noise levels. This shows a decrease in noise levels as compared to the

previous year, reflecting a subtle pattern of noise pollution across different regions and time periods during the festive celebrations.

The overall decrease in noise levels observed this year could be attributed to several factors. One plausible explanation is the heightened awareness and efforts made by authorities, NGOs, and the community to curb noise pollution. Additionally, the emphasis on the use of green crackers and less noisy fireworks might have contributed to the reduction in noise levels. The collective impact of these measures, along with the public's increased sensitivity to environmental concerns, has likely played a role in mitigating noise pollution during the festive season.

Hence, the laudable endeavors undertaken by the authorities, including the Maharashtra Pollution Control Board, Maharashtra State Police, Municipal Corporations, NGOs, etc., to mitigate pollution while honoring religious sentiments are noteworthy. However, there is a continuous and pressing need to increase awareness regarding the environmental consequences of using fireworks.

In view of these insights, it is crucial to fortify collaborative initiatives engaging communities, educational institutions, and environmental organizations. Recommending the reinforcement of partnerships and the implementation of robust regulations, we can collectively endeavor towards a symbiotic balance between cultural celebrations and environmental conservation.

## 8 INITIATIVES TAKEN BY MPCB AND MAHARASHTRA GOVERNMENT TO REDUCE NOISE POLLUTION DURING DIWALI:

The Maharashtra government's initiative to curb noise pollution during Diwali 2023 includes:

- Time restrictions: Crackers were allowed only within a specific time window, from 8 pm to 10 pm on Diwali.
- Promotion of green crackers: Sellers were mandated to sell only green crackers, known for their reduced environmental impact.
- MPCB's appeal: The Maharashtra Pollution Control Board urged citizens to celebrate a pollution-free Diwali without firecrackers, encouraging the gifting of plants and signing pledges for environmental conservation.
- BMC's directive: Municipal Commissioner Mr. Iqbal Singh Chahal urged residents to strictly adhere to the Bombay High Court's guidelines, allowing firecrackers only between 8 pm and 10 pm. This aligned with broader efforts to address environmental concerns and legal directives, promoting responsible and restricted firecracker usage.

These collective measures aimed to regulate and minimize the adverse effects of firecracker bursting on air quality and noise levels during the Diwali festival.

## 9 RECOMMENDATIONS

In addition to the aforementioned initiatives, other recommendations include:

- Opt for Silent Firecrackers: Encourage the use of silent or low-decibel firecrackers, providing vibrant visual displays without the disruptive noise associated with traditional fireworks.
- Time Restrictions: Implement time restrictions on firecracker usage, especially during late hours, to minimize disturbance during the night and early morning.
- Community Celebrations: Promote community-based celebrations with organized firework displays, offering better control for a controlled and enjoyable environment.
- Public Awareness Campaigns: Conduct extensive public awareness campaigns on the health and environmental impacts of noise pollution, educating people about responsible firecracker usage.

- Designated Zones: Identify and establish specific zones for firecracker bursting, concentrating noise in designated areas while avoiding residential, hospital, and educational zones.
- Green Initiatives: Encourage the use of eco-friendly or green firecrackers designed to reduce pollution levels, including noise.
- Regulatory Measures: Strengthen and enforce existing regulations related to firecracker usage, ensuring penalties for violating noise limits and time restrictions.
- Alternative Celebrations: Promote alternative ways of celebrating Diwali, such as lighting lamps, organizing cultural events, or engaging in acts of kindness, to shift the focus away from excessive firecracker usage.
- Engage with Local Authorities: Collaborate with local authorities, residents' associations, and community leaders to collectively work towards creating a quieter and more sustainable Diwali celebration.

Implementing a combination of these measures can contribute to a more peaceful and environmentally friendly Diwali celebration, striking a balance between joyful festivities and the well-being and comfort of all community members.



## 10 DEFINITIONS

### **A-Weighting**

A-weighting" is the frequency weighting characteristic as specified in IEC 123 or IEC 179 and is intended to approximate the relative sensitivity of the normal human ear to different frequencies (pitches) of sound.

### **A-weighted Sound Pressure Level**

The "A-weighted sound pressure level" is the sound pressure level modified by the application of the A-weighting. It is measured in dBA and denoted as dBA.

### **Decibel**

The "decibel" is a dimensionless measure of sound level or sound pressure level; see sound pressure level. It is denoted as dB.

### **Equivalent Continuous Sound Level**

Equivalent continuous sound level, denoted as  $L_{eq}$ , is defined as the steady sound pressure level that, over a given period of time, has the same total energy as the actual fluctuating noise.

### **Fast Response**

"Fast response" is a dynamic characteristic setting of a sound level meter meeting the applicable specifications.

### **Sound**

"Sound" is an oscillation in pressure, stress, particle displacement, or particle velocity, in a medium with internal forces (e.g. elastic, viscous), or the superposition of such propagated oscillations, which may cause an auditory sensation.



### **Sound Level Meter**

A "Sound Level Meter" is an instrument that is sensitive to and calibrated for the measurement of sound.

### **Sound Pressure Level**

The "Sound Pressure Level" is twenty times the logarithm to the base 10 of the ratio of the effective pressure ( $p$ ) of a sound to the reference pressure ( $P_r$ ) of 20  $\mu$ Pa. Thus, the sound pressure level in dB =  $20 \log_{10} P/P_r$ .

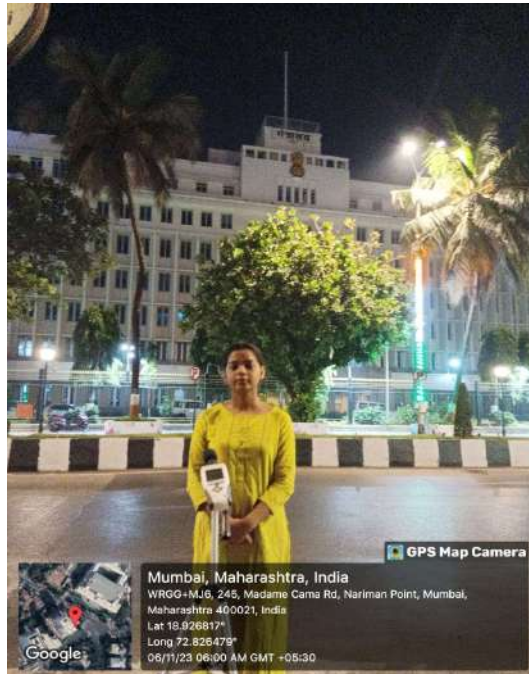
## 11 GLIMPSE OF THE EVENT

Day 1: 06 <sup>th</sup> November 2023	
	<p>Jalna- Mantha Choufulee</p>
	<p>Parbhani- Shivaji Maharaj Putala</p>

Day 1: 06<sup>th</sup> November 2023



Latur- Aadarsh  
Colony



Mumbai-  
Mantralaya

Day 1: 06<sup>th</sup> November 2023



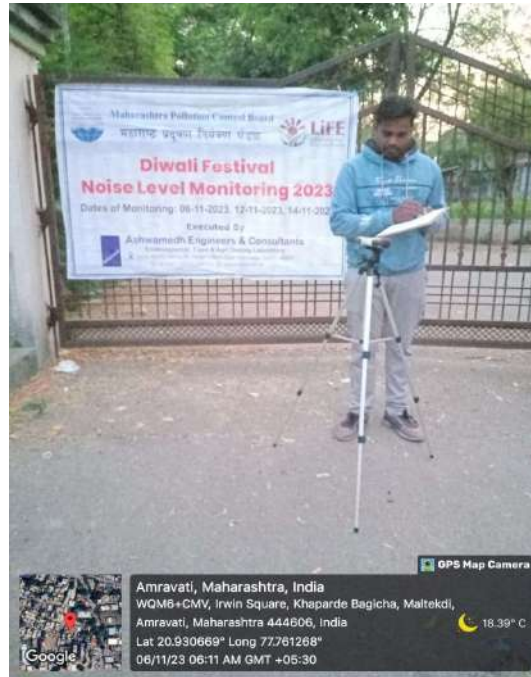
Nashik- Panchavati



Jalgaon- Shashtri Tower Chowk



Day 1: 06<sup>th</sup> November 2023



Amravati- Irwin Squares



Dhule- Agresen Chowk

Day 1: 06<sup>th</sup> November 2023



Vasai- Virar- Range  
 office



Nagpur-  
 Dharampeth

## Day 2: 12<sup>th</sup> November 2023



Pune: Pune  
 University Road  
 with MPCB FO  
 Jyoti Sutar sand  
 CPCB Officer Mr.  
 Vishal Sir



Aurangabad-  
 Gulmandi



Day 2: 12<sup>th</sup> November 2023



Navi Mumbai-  
Kharghar



Kalyan-  
Katemanivali



Day 2: 12<sup>th</sup> November 2023



Bhiwandi-  
Nizampur- Shelar  
Near Nadi naka



Malegaon-  
Malegaon Camp

Day 2: 12<sup>th</sup> November 2023



Ahmednagar- Old Bus Stand



Akola- Ratanlal Plot

Day 2: 12<sup>th</sup> November 2023



Mumbai-Prabhadevi



Solapur - Vijapur Road

Day 3: 14<sup>th</sup> November 2023



Chandrapur-  
Gandhi Chowk with  
MPCB FO Shri. S.  
G. Karankar



Thane- Vartak  
Nagar



Day 3: 14<sup>th</sup> November 2023



Panvel- Kharghar



Mira-Bhayander-  
Golden Police  
Chowki

Day 3: 14<sup>th</sup> November 2023



Badlapur- Surwal  
Chowk



Ulhasnagar- Camp  
No. 5

Day 3: 14<sup>th</sup> November 2023



Nagpur – Civil Lines



Mumbai - Mulund

# Annexures



## 12 ANNEXURES

### 12.1 ANNEXURE I: Detailed list of Studied locations

Sr. No.	City	Location name (details)
1.	Mumbai South	Colaba - Nariman Point (Intercontinental Hotel)
		Mantralaya - Administrative Building
		Mazgaon - Tadwadi
		Girgaon - Metro Cinema
		Worli - New Passport Office
		Prabhadevi - Siddhivinayak Mandir
		Mahim - Police Colony
		Parel – Bhoiwada
		Byculla - Church (W)
		Dadar - Shivaji Park
		Sion - Sion Circle
		Hindu Colony - Dadar Hindu Colony
		Matunga - Gandhi Market
		Kamathipura – Kamathipura
		Malabar Hills - Sahyadri
	Mumbai Western Suberbs	Sahar - Near Lila Pinta
		Santacruz (E) - Prabhat Colony
		Vile Parle - Paranjape School
		Bandra - Kala Nagar
		Goregaon - Shubhash Nagar
		Jogeshwari - Majesh Wadi
		Versova - Azad Nagar
		Marve - Marve Church
		Borivali East - Near Station
		Borivali West - Near Mc Donald
		Dindoshi - Bus Depot
		Kandivali (E) - Station Road
		Dahisar (E) - Near Station
		Juhu - J.V.P.D. Scheme
		Malad (W) - Malad Marve Road
	Mumbai	Chembur (E) - Near Shivaji Maharaj Statue

Sr. No.	City	Location name (details)
	<b>Eastern Suberbs</b>	Trombay - Ashish Cinema
		Kurla - Bus Depot
		Ghatkopar East - Garudia Nagar
		Ghatkopar West - Amar Mahal
		Mulund East - Station Road
		Mulund West - 5 Rasta
		Sakinaka - Safed Pool
		Powai - Hiranandani Garden
		Wadala - R. A. Road
		Dharavi - Tumbawara Junction
		Sewree - Station Road
		Kalina - Vakola
		Vikhroli (W) - Near Cipla Company
		Bhandup (W) - Kokan Nagar
<b>2.</b>	<b>Navi Mumbai</b>	CBD - Sec. 6
		Nerul Sector 11 - Near Bus Depot
		Vashi Sec. 1 - Near Fish Market
		Vashi Sector 9 - Father Agnil School
		Vashi Sector 15 - Sec. 15 - 16 Market
		Kopar Khairne Sec 10 - De-Mart Chowk
		Airoli - Police Chawki, Mulund - Airoli Road
		Rabale - Village Entry Point
		Ghansoli - Opp. To NMMC Ward Office
<b>3.</b>	<b>Thane</b>	Shiv Mandir - In front of Kopineshwar Mandir
		Tembhi Naka - Four Way Road (Junction)
		Ghokhale Road - Near Woodland Shoes
		Pokharan - Vartak Nagar
		Wagle Estate
<b>4.</b>	<b>Panvel</b>	Shivaji Chowk
		Khanda Colony
		Kharghar Utsav Chowk
<b>5.</b>	<b>Pune</b>	Shivaji Nagar (Sakhar Sankul )
		Karve Road (Nal Stop)

Sr. No.	City	Location name (details)
		Satara Road (City Pride)
		Swargate
		Yerawada (Mental hospital/Jail Road)
		Khadaki (Khadki Bazar)
		Shaniwarwada
		Laxmi Road
		Saras Bag
		Aundh gaon
		University road
6.	Nashik	CBS
		Panchavati
		Dahipool
		CIDCO Residential
		Bytco Point
7.	Aurangabad	Gulmandi
		City Chowk
		Kranti Chowk
		CIDCO Residential
		Usmanpura
8.	Nagpur	Ajani Chowk
		Civil Lines
		Dharampeth
		Itwari
		Civil Hospital (GMC)
		Deshpande Layout
		Shankar Nagar
		Mahal
		Sadar
		Kalamna
9.	Kalyan	Katemanivali - Near Tesai Talav
		Birla College - Near the gate
		Bail Bazar - Police Chowki
10.	Amravathi	Budhwara Peth

Sr. No.	City	Location name (details)
		Ervin Hospital
		Rajkamal Chowk
11.	Jalgaon	Near Civil Hospital
		Shivaji Chowk (Near Court)
		Shashtri Tower Chowk
12.	Kolhapur	Tara Rani
		Rajaram Puri
		Papachi Tikti
		Shivaji Chowk
		Shahupuri
13.	Sangli	Herbhat Road
		Ganpati Peth
		Miraj Market
14.	Mira-Bhayander	Bhakti Vedant Hospital, Tenkar pada
		Golden police Chawki
		Shivaji Chak Kashi meera
15.	Vasai-Virar	Range office, Satwali, Vasai East
		Valiv phata, Vasai East
		N.B. Estate, Virar West
16.	Ulhasnagar	Shivaji Chowk No. 3 - Near the Chowk
		Camp No. 5 Bus Stop - Bus Stop
		Camp No. 1 Gol Maidan - Gol Maidan
17.	Bhiwandi-Nizampur	Dhamankar Naka
		Indira Gandhi Memorial Hospital
		Shelar Near Nadi naka
18.	Chandrapur	Gandhi Chowk
		Jatpura Gate
		Warora Naka
19.	Nanded-Waghala	Ganesh Nagar, Municipal Corpartion, Nanded
		Shivaji Nagar
		Shree Guru GovindSingh Govt. Medical College & Hospital, Shivaji Putala, Nanded
20.	Ahmednagar	Kotala Chawk
		Chitale Road

Sr. No.	City	Location name (details)
		Old Bus Stand
21.	Dhule	Agrasen Chawk
		Fulwala Chawk
		Santoshi Mata Chawk
22.	Malegaon	Mosampul
		Satana Naka
		Malegaon Camp
23.	Pimpri-Chinchwad	Pimpri (Dilux Chawk)
		Chinchwad (Chafekar Chawk)
		Thergaon (Dange Chawk)
24.	Parbhani	Shivaji Maharaj Putala, (near S.P. Office)
		Shivaji Chowk
		Raigad Corner, Jintur road, Parbhani.
25.	Latur	Ganjgolai
		Kesharaj High school, Sham nagar, Amba Jogai Road, Latur
		Aadarsh Colony, Ausa Road, Latur
26.	Akola	Collector Office
		Civil line Chawk / Ratanlal plot
		City Kotawali Chawk near police station
27.	Solapur	Balives
		Ashok chowk
		Hotgi & Bijapur Road
28.	Badlapur	Gandhi Chowk, Badlapur
		Katrap Gaon Opposite Ghorpade Chowk, Badlapur
		Surwal Chowk, Shirgaon, Badlapur
29.	Jalna	Shivaji Chowk
		Bhagya Nagar
		Mantha Choufulee

## 12.2 ANNEXURE II: Noise Pollution (Regulation & Control) Rules, 2000 amendment dated 21<sup>st</sup> April, 2009

### SCHEDULE

(see rule 3 (1) and 4 (1))

#### Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area	Limits in dB(A) $L_{eq}$	
		Day time	Night time
A)	Industrial area	75	70
B)	Commercial area	65	55
C)	Residential Area	55	45
D)	Silence Zone	50	40

#### **Note:**

1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
3. Silence zone is defined as an area comprising not less than 100 meters around hospitals, educational institutions and courts. The silence zones are zones, which are declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four-abovementioned categories by the competent authority.

\*dB (A)  $L_{eq}$  denotes the time-weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A “decibel” is a unit in which noise is measured.

“A” in dB (A)  $L_{eq}$ , denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

$L_{eq}$ : It is an energy mean of the noise level over a specified period

ध्वनी प्रदूषण (नियंत्रण व नियमन) नियम, २०००  
ची प्रभावीपणे अंमलबजावणी करण्यासाठी  
प्राधिकरणाची नियुक्ती करण्याबाबत

महाराष्ट्र शासन  
पर्यावरण विभाग, मंत्रालय,  
शासन निर्णय क्रमांक : ध्वनीप्र-२००९/प्र.क्र.१५/तांक-१  
नविन प्रशासन भवन, १५ वा मजला, मादाम कामा रोड, मुंबई - ४०० ०३२  
दिनांक: २१ एप्रिल, २००९

वाचा - १) शासन निर्णय क्रमांक : ध्वनीप्र-२०००/प्र.क्र.२४/तांक ३, दिनांक १६ ऑगस्ट, २००० आणि दिनांक १५ जून, २००१  
२) मे. उच्च न्यायालयाच्या मुंबई खंडपीठामध्ये दाखल करण्यात आलेल्या सार्वजनिक हिताच्या याचिका क्र. (१) २०५३/२००३, (२) ७४/२००७, (३) ८५/२००७ आणि (४) १/२००९ मधील दिनांक २६/२/२००९ चे आदेश

प्रस्तावना :-

पर्यावरण विभाग, शासन निर्णय क्र. एन.पी./२०००/२४/क्र.३, दिनांक १६/८/२००० व दिनांक १५/०६/२००१ रोजी ध्वनी प्रदूषण (नियंत्रण व नियमन) नियम, २००० च्या २ (क) नुसार, राज्यातील पोलीस आयुक्त असलेल्या शहरामध्ये पोलीस उप आयुक्त व इतर ठिकाणी जिल्हा पोलीस अधिक्षक यांना एक सदस्य प्राधिकरण म्हणून ध्वनी प्रदूषण नियमाची अंमलबजावणी करण्यासाठी नियुक्ती करण्यात आली आहे.

मा. उच्च न्यायालय, मुंबई खंडपीठाने वरील याचिकांमध्ये महाराष्ट्र शासन व इतर विभागांनी ध्वनी प्रदूषण (नियंत्रण व नियमन) नियम, २००० ची प्रभावी अंमलबजावणी करण्याकरीता दिनांक २६/२/२००९ रोजी ठराविक निर्देश दिलेले आहेत. त्यानुसार स्थानिक स्वराज्य संस्थांनी शहरी भागात शांतता झोन जाहीर करणे आवश्यक आहे.

शासन निर्णय :-

१) मा. उच्च न्यायालयाच्या आदेशानुसार तसेच ध्वनी प्रदूषण (नियंत्रण व नियमन) नियम, २००० च्या कलम ३ (५) नुसार स्थानिक स्वराज्य संस्थांनी शहरी भागात शांतता झोन त्वरीत जाहीर करून योग्य ते आदेश काढावेत. तसेच शहरात शांतता झोनचे फलक लावून आदेशाची प्रभावी अंमलबजावणी करण्यासाठी योग्य ती प्रसिध्दी करावी.

- १) शैक्षणिक संस्थांच्या सभोवताली १०० मीटर क्षेत्र
- २) सर्व न्यायालयाच्या सभोवतीली १०० मीटर क्षेत्र
- ३) रुग्णालयाच्या सभोवताली १०० मीटर क्षेत्र

२) ध्वनी प्रदूषणाची वाढती पातळी व निरनिराळे प्रदूषण स्रोत विचारात घेता, शासनाच्या निरनिराळ्या विभागांनी सधःस्थितीत ते राबवीत असलेल्या नियमाद्वारे ध्वनी प्रदूषण नियंत्रण व नियमनाची अंमलबजावणी करावी. त्याकरिता परिशिष्ट १ मध्ये नमूद केल्याप्रमाणे, शासनाच्या संबंधित विभागांच्या अधिपत्याखालील संस्थांच्या अधिकाऱ्यांना पदनास प्राधिकरण म्हणून जाहीर करण्यात येत आहे. याबाबत संबंधीत

रोट १/इच-०१००[४००-५-२००१]-१

A.

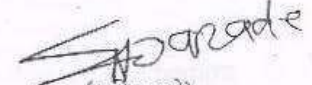
विभागांनी स्वतंत्र आदेश निर्गमित करावेत. सदर प्राधिकरण, ते राबधित असलेल्या नियमाच्या तरतुदीनुसार तसेच ध्वनी प्रदूषण (नियंत्रण व नियमन) नियम, २००० च्या तरतुदीनुसार ध्वनी प्रदूषण नियंत्रण व नियमनाच्या कार्यवाही करण्यास सक्षम असेल.

३) ध्वनी प्रदूषण करणारे उपकरणे / स्त्रोत जसे D.G. Sets (15-500 KVA); Coal Washeries ; Fire Crackers Generator Sets with Diesel (upto 1000 KVA) manufactured on or after 1st July, 2003 ; Vehicles at manufacturing stage from the year, 2003 and 1st April, 2005 respectively as well as Noise Limits for Automobiles and Domestic appliances and construction equipments at the manufacturing stage laid down under the provisions of the Environment (Protection) Act, 1986 and Rules made there under इत्यादींची सभोयतालच्या हवेतील ध्वनी प्रदूषण गुणवत्तेच्या विहित मर्यादा परिशिष्ट २ मध्ये नमूद केल्याप्रमाणे असेल.

४) या शासन निर्णयान्वये, पर्यावरण विभागाने यापूर्वी दिनांक १६ ऑगस्ट, २००० आणि दिनांक १५ जून, २००२ रोजी या विषयाबाबत निर्गमित केलेला शासन निर्णय खारीज करण्यात येत आहे. हा शासन निर्णय निर्गमित झाल्याच्या दिनांकापासून लागू राहील.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने.

B.

  
(ग.नि. बराडे)  
संचालक (पर्यावरण)

प्रत माहितीसाठी :-

मा. मुख्यमंत्र्यांचे प्रधान सचिव

मा. उपमुख्यमंत्र्यांचे प्रधान सचिव

मा. मुख्यसचिव

अतिरिक्त मुख्यसचिव, गृह विभाग, मंत्रालय

अतिरिक्त मुख्यसचिव, सार्वजनिक आरोग्य विभाग, मंत्रालय

प्रधान सचिव (अ. व सु.), गृह विभाग

प्रधान सचिव, नगर विकास विभाग (१), मंत्रालय

प्रधान सचिव, नगर विकास विभाग (२), मंत्रालय

प्रधान सचिव, महसूल विभाग, मंत्रालय

प्रधान सचिव, उच्च व तंत्रशिक्षण विभाग, मंत्रालय,

प्रधान सचिव, शालेय शिक्षण विभाग, मंत्रालय

सचिव, गृह विभाग (परिवहन),

सचिव, पर्यावरण

मा. मंत्री (पर्यावरण), यांचे खाजगी सचिव,

मा. राज्यमंत्री (पर्यावरण), यांचे खाजगी सचिव,

सर्व मा. मंत्री / राज्यमंत्री यांचे खाजगी सचिव

सर्व जिल्हाधिकारी

सर्व पोलीस आयुक्त / उप आयुक्त

सर्व जिल्हा पोलीस अधिक्षक / उप अधिक्षक

पर्यावरण विभाग सर्व अधिकारी / कार्यासन / निवडनस्ती - तांक १

परिशिष्ट - १

एच-०१०० -१३



A.

E

			jurisdiction:
6.	Head of M.M.R.D.A., M.S.R.D.C., C.I.D.C.O., having local jurisdiction constituted under various Laws and Public Works Department.	Urban Development	Corresponding Rules for the enforcement and maintenance of Noise Standards laid down under the Environment (Protection) Rules, 1986 at source for construction projects, utilities for buildings (ACs, DG sets etc.), domestic appliances, development and other activities in their jurisdiction  These Developmental Authorities should include adequate noise abatement measures in their project activities such as noise barriers to the bridges and flyovers, tree plantation for roads etc.
7.	Member Secretary and any officer Maharashtra Pollution Control Board not below the rank of the Deputy Superintendent of Police	Environment Department	(i) Monitoring of Ambient Noise Levels in case of specific requests from other authorities referred in the table and communicating the results to the respective Authorities for further necessary action at their end. (ii) For the enforcement of Noise Pollution Control Measures and Standards in industrial areas.
8.	(i) Any officer from the State Transport Department / Deputy Regional Transport Officer in their respective jurisdiction not below the rank of the Deputy Superintendent of Police  (ii) Head of Maharashtra State Road Transport Corporation or any officer/ Depot Manager not below the rank of the Deputy Superintendent of Police.  (iii) Traffic Police Authorities not below the rank of the Deputy Superintendent of Police	Home Department (Transport)	Enforcement and maintenance of the Noise Standards laid down under Environment (Protection) Rules, 1986 and Motor Vehicles Act, 1939 for the new and operating vehicles within their respective jurisdiction.  The noise levels generated by the in-use vehicles should be monitored while grant of Pollution Under Control Certificate.

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Schedule

(Under rule 3(1) and 4(1)) of Noise Pollution (Control and Regulation) Rules, 1999

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

- i. Day time shall mean from 6.00 a.m. to 10.00 p.m.
- ii. Night time shall mean from 10.00 p.m. to 6.00 a.m.
- iii. Silence Zone is defined as an area comprising not less than 100 meters around hospitals, educational institutions and courts. The silence zones are zones which are declared as such by the competent authority.
- iv. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A" , in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leq : it is an energy mean of the noise level, over a specified period.

**2. Standards / Guidelines for control of Noise Pollution from Stationary Diesel Generator (DG) Sets.**

**(A) Noise Standards for DG sets (15-500 KVA)**

The total sound power level,  $L_w$  of a DG set should be less than,  $94 + 10 \log_{10} (KVA)$ , dB(A), at the manufacturing stage, where, KVA is the nominal power rating of a DG set. This level should fall by 5 dB(A) every five years, till 2007, i.e. in 2002 and then in 2007

**(B) Mandatory acoustic enclosure/acoustic treatment of room for stationary DG sets (5KVA and above).**

Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.

The acoustic enclosure / acoustic treatment of the room should be designed for minimum 25 dB (A) Insertion Loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/acoustic treatment. Under such circumstances, the performance may be checked for noise reduction upto actual ambient noise level, preferably in the night time). The measurement for Insertion Loss may be done at different points at 0.5 m from the acoustic enclosure/room, and then averaged.

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The DG set should also be provided with proper exhaust muffler with insertion loss of minimum 25dB (A).

- A. (C) **Guidelines for the manufacturers/users of DG sets (5 KVA and above).**
01. The manufacturer should offer to the user a standard acoustic enclosure of 25 dB(A) Insertion Loss and also a suitable exhaust muffler, with Insertion Loss of 25 dB(A).
  02. The user should make efforts to bring down the noise levels due to the D.G. set, outside his premises, within the ambient noise requirements by proper siting and control measures.
  03. The manufacturer should furnish noise power levels of the unsilenced DG sets as per standards prescribed under (A).
  04. The total sound power level of a D.G. set, at the user's end, shall be within 2 dB(A) of the total sound power level of the DG set, at the manufacturing stage as prescribed under (A).
  05. Installation of a DG set must be strictly in compliance with the recommendations of the DG set manufacturer.
  06. A proper routine and preventive maintenance procedure for the DG set should be set and followed in consultation with the DG set manufacturer, which would help to prevent noise levels of the DG set from deteriorating with use.

### 3. Noise Level Standards for Coal Washeries

Operational / Working Zone -- not to exceed 85 dB(A) Leq for 8 hours exposure.

The Ambient Air Quality Standards in respect of noise as notified under Environment (Protection) Rules, 1986 shall be followed at the boundary line of the coal washery.

#### Code of Practice of Coal Washery

Water or Water mixed chemical shall be sprayed at all strategic coal transfer points such as conveyors, loading/unloading points etc. As far as practically possible conveyors, transfer points etc. shall be provided with enclosures.

- \* The crushers/pulverizers of the coal washeries shall be provided with enclosures, fitted with suitable air pollution control measures and finally emitted through a stack of minimum height of 30m, conforming particulate matter emission standards of 150 mg/Nm<sup>3</sup> or provided with adequate water sprinkling arrangement.
- \* Water sprinkling by using fine atomizer nozzles arrangement shall be provided on the coal heaps and on land around the crushers/pulverisers.
- \* Area, in and around the coal washery shall be pucca either asphalted or concreted.
- \* Water consumption in the coal washery shall not exceed 1.5 cubic meter per tonne of coal.
- \* The efficiency of the settling ponds of the waste water treatment system of the coal washery shall not be less than 90%.
- \* Green belt shall be developed along the road side, coal handling plants, residential complex, office building and all around the boundary line of the coal washery.
- \* Storage bunkers, hoppers, rubber decks in chutes and centrifugal chutes shall be provided with proper rubber linings.

- \* Vehicles movement in the coal washery area shall be regulated effectively to avoid traffic congestion. High pressure horn shall be prohibited. Smoke emission from heavy duty vehicle operating in the coal washeries should conform the standards prescribed under Motor Vehicle Rules, 1989.

#### 4. Noise Standards for fire-crackers

A.(i) The manufacturer, sale or use of fire-crackers generating noise level exceeding 125 dB(A) or 145 dB(C)<sub>pk</sub> at 4 meters distance from the point of bursting shall be prohibited.

- (ii) For individual fire-cracker constituting the series (joined fire crackers), the above mentioned limit be reduced by  $5 \log_{10} (N)$  dB, where N=Number of crackers joined together.

B. The broad requirements for measurement of noise from fire-crackers shall be-

- (i) The measurements shall be made on a hard concrete surface of minimum 5 meter diameter or equivalent.
- (ii) The measurement shall be made in free field conditions i.e., there shall not be any reflecting surface upto 15 meter distance from the point of bursting.
- (iii) The measurement shall be made with an approved sound level meter.

C. The Department of Explosives shall ensure Implementation of these standards.

#### 5. Noise Limits for Generator Sets run with diesel

**Noise limit for diesel generator sets (upto 1000 KVA)-manufactured on or after 1<sup>st</sup> July, 2003**

The maximum permissible sound pressure level for new diesel generator (DG) sets with rated capacity upto 1000 KVA, manufactured on or after the 1<sup>st</sup> July, 2003 shall be 75 dB(A) at 1 meter from the enclosure surface.

The diesel generator sets should be provided with integral acoustic enclosure at the manufacturing stage itself.

The implementation of noise limit for these diesel generator sets shall be regulated as given in below mentioned paragraph.

##### Requirement of certification

Every manufacturer of engine or every importer of engine or product must have valid certificates of Type Approval and certificates of Conformity of Production for each year, for all engine models being manufactured or for all engines or product models being imported, after the effective date with the emission limit as specified in earlier paragraph.



6. (1) Noise limits for vehicles applicable at manufacturing stage  
from the year, 2003.

Sr.No.	Type of Vehicle	Noise Limits dB(A)	Date of Implementation
(1)	(2)	(3)	(4)
1.	Two Wheeler		1 <sup>st</sup> January, 2003
	Displacement upto 80 cm <sup>3</sup>	75	
	Displacement more than 80 cm <sup>3</sup> but upto 175 cm <sup>3</sup>	77	
	Displacement more than 175 cm <sup>3</sup>	89	
2.	Three Wheeler		1 <sup>st</sup> January, 2003
	Displacement upto 175 cm <sup>3</sup>	77	
	Displacement more than 175 cm <sup>3</sup>	80	
3.	Passenger Car	75	1 <sup>st</sup> January, 2003
4.	Passenger or Commercial Vehicles		1 <sup>st</sup> July, 2003
	Gross vehicle weight upto 4 tonnes	80	
	Gross vehicle weight more than 4 tonnes but upto 12 tonnes	83	
	Gross vehicle weight more than 12 tonnes	85	

(2) Noise Limits for vehicles at manufacturing stage applicable on and from 1<sup>st</sup> April, 2005

Sr.No.	Type of vehicles	Noise Limits
1.0	<b>Two Wheelers</b>	
1.1	Displacement upto 80 cc	75
1.2	Displacement more than 80 cc but upto 175 cc	77
1.3	Displacement more than 175 cc	80
2.1	<b>Three Wheelers</b>	
2.1	Displacement upto 175 cc	77
2.2	Displacement more than 175 cc	80
3.0	Vehicles used for the carriage of passengers and capable of having not more than nine seats, including the driver's seat	74
4.0	Vehicles used for the carriage of passengers having more than nine seats including the driver's seat and a maximum Gross Vehicle Weight (GVW) of more than tonnes	
4.1	With an engine power less than 150KW	78
4.2	With an engine power of 150 KW or above	80
5.0	Vehicles used for the carriage of passengers having more than nine seats including the driver's seat: Vehicle used for the carriage of goods.	
5.1	With a maximum GVW not exceeding 2 tonnes	76
5.2	With a maximum GVW greater than 3 tonnes but not exceeding 3.5 tonnes	77
6.0	Vehicles used for the transport of goods with a maximum GVW exceeding 3.5 tonnes	
6.1	With an engine power less than 75 KW	77
6.2	With an engine power of 75 KW or above but less than 150KW	78
6.3	With an engine power of 150 KW or above	80

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# 7. Noise Standards Part E:-

## A. Noise limits for Automobiles (Free Field Distance at 7.5 meter in dB(A) at the manufacturing stage.

(a)	Motorcycle, Scooters and Three Wheelers	80
(b)	Passenger Cars	82
(c)	Passenger or Commercial vehicles upto 4 MT	85
(d)	Passenger or Commercial vehicles above 4 MT and Upto 12 MT	89
(e)	Passenger or Commercial vehicles exceeding 12 MT	91

## B. Domestic appliances and construction equipments at the manufacturing stage to be achieved by 31<sup>st</sup> December, 1993.

(a)	Window Air Conditioners of 1 ton to 1.5 ton	68
(b)	Air Coolers	60
(c)	Refrigerators	46
(d)	Diesel generator of domestic purposes	85-90
(e)	Compactors (rollers), Front Loaders, Concrete Mixers, Cranes (moveable), Vibrators and Saws	75

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12.3 Annexure III: Comparative Ambient Noise Levels during the Year 2022 & 2023

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23			
Location Name (Details)	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>				
Mumbai South																																					
Colaba - Nariman Point (Intercontinental Hotel)	74.9	57.9	89.0	74.7	30.8	89.4	83.1	62.0	95.2	70.0	49.0	79.7	75.2	61.3	85.9	85.4	56.5	94.2	76.8	57.3	86.3	79.3	49.0	91.7	70.1	51.4	78.9	80.3	54.8	89.9	69.2	49.0	83.4	68.4	41.1	80.1	
Mantralaya - Administrative Building	74.7	60.1	80.0	74.0	43.9	87.3	63.5	40.3	74.6	67.1	41.5	81.2	74.9	56.5	79.5	77.4	48.2	88.9	69.5	47.7	79.2	66.3	48.3	77.3	83.6	60.1	94.4	79.4	58.9	89.2	61.3	47.5	72.7	74.8	34.2	86.7	
Mazgaon - Tadmadi	67.9	49.5	78.3	78.4	54.1	87.3	60.4	50.0	70.1	69.6	31.4	84.2	79.1	60.8	89.0	64.2	50.3	72.2	68.2	51.4	78.7	69.7	32.2	84.2	73.4	61.4	86.9	67.5	47.3	75.5	64.9	53.8	73.9	62.6	50.2	72.3	
Girgaon - Metro Cinema	74.7	54.1	86.4	87.0	59.8	93.6	54.8	40.3	64.3	65.8	57.8	72.9	81.2	67.3	90.5	77.0	60.5	86.8	78.3	60.4	85.4	74.0	59.0	79.8	80.0	50.8	89.5	76.3	60.6	82.7	67.0	52.3	79.8	71.4	59.3	79.5	
Worli - New Passport Office	73.5	52.2	89.3	82.0	30.1	94.4	62.1	50.1	70.0	56.9	47.5	65.0	75.9	55.1	90.0	81.9	60.7	89.7	69.4	47.3	84.4	73.7	50.3	87.3	75.0	52.7	86.7	71.9	54.8	83.9	69.6	42.4	81.2	74.6	34.2	86.5	
Prabhadevi - Siddhivinayak Mandir	73.7	59.0	80.3	60.3	45.9	71.8	59.5	45.5	69.8	58.4	44.8	70.0	80.8	56.5	89.9	76.4	40.2	94.3	80.0	62.5	89.9	74.7	49.9	85.3	73.8	63.2	81.9	71.2	53.8	83.0	71.8	45.7	85.2	67.0	52.1	79.9	
Mahim - Police Colony	71.5	44.5	83.2	72.6	41.6	83.5	63.1	51.2	73.9	68.8	50.5	79.0	71.4	44.5	89.1	73.2	60.1	81.1	77.1	60.4	85.4	71.4	60.3	80.1	80.4	52.2	86.7	64.1	50.3	72.2	74.8	52.4	85.9	67.0	50.5	78.1	
Parel - Bhoiwada	72.8	51.5	83.1	66.6	51.3	82.2	62.2	47.5	74.5	63.2	42.8	77.3	77.6	63.8	85.1	83.6	51.3	97.1	65.4	47.2	75.1	72.2	43.2	86.0	76.3	61.1	85.7	68.4	47.1	81.7	68.8	49.0	79.4	74.3	41.3	92.0	
Byculla - Church (W)	71.5	50.8	82.9	74.7	60.8	82.2	64.9	51.2	79.6	71.4	46.6	81.2	75.6	51.4	88.2	72.7	60.4	87.6	67.3	41.1	80.3	64.9	53.3	73.2	80.6	52.2	87.5	70.4	54.5	78.5	72.4	52.4	82.5	67.5	50.2	78.4	
Dadar - Shivaji Park	78.6	55.8	88.5	71.9	54.8	83.9	63.7	40.8	76.5	67.6	43.2	80.4	82.0	62.7	89.5	86.5	62.1	104.6	77.9	50.5	87.5	80.9	49.2	92.4	79.9	54.8	89.9	79.0	54.5	97.3	68.4	41.1	80.1	77.5	47.6	89.3	



	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23			
Location Name (Details)	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	L <sub>eq</sub>	L <sub>mi</sub> n	L <sub>ma</sub> x	
Sion - Sion Circle	78.0	55.5	88.9	63.0	41.8	77.0	62.0	54.4	68.5	67.7	50.0	81.2	83.6	60.1	94.4	71.6	60.4	86.1	65.1	51.6	75.9	66.9	52.0	76.1	73.4	59.6	86.1	70.0	59.8	77.9	66.7	54.3	81.5	66.8	55.5	77.9	
Hindu Colony - Dadar Hindu Colony	74.7	53.2	88.2	74.7	60.8	82.2	55.6	46.7	67.5	71.4	46.6	81.2	75.4	55.7	87.2	67.7	50.3	74.5	71.0	55.7	85.9	63.2	46.4	69.2	68.7	54.7	78.5	67.8	50.3	74.5	57.7	44.6	70.1	73.4	56.4	86.7	
Matunga - Gandhi Market	81.2	56.7	88.2	82.5	37.8	99.2	74.3	52.5	82.2	68.2	33.3	79.4	72.4	51.2	86.6	79.2	50.4	90.6	77.7	53.7	88.9	78.1	55.6	90.5	84.3	64.0	90.8	78.5	52.3	92.7	70.0	49.0	79.7	67.9	52.4	79.4	
Kamathipura - Kamathipura	72.4	43.1	83.3	74.6	54.5	87.6	60.4	50.0	70.3	68.1	51.9	75.4	77.7	59.5	90.3	74.6	54.5	87.6	77.3	50.6	89.5	68.1	51.9	75.4	74.6	54.5	87.6	82.0	61.8	93.1	68.1	51.9	75.4	71.3	53.7	81.6	
Malabar Hills - Sahyadri Guest House	77.3	56.6	85.7	77.4	54.9	87.7	73.0	57.9	83.1	67.9	50.5	78.1	75.5	60.2	83.9	78.8	60.9	89.9	68.7	51.2	79.3	69.9	52.5	79.0	76.9	57.3	87.7	76.9	57.3	87.7	71.5	50.5	84.6	71.5	50.5	84.6	
Mumbai Western Suberbs																																					
Sahar - Near Lila Pinta	77.3	61.0	85.1	76.2	52.3	95.2	63.1	44.9	73.5	63.7	50.1	73.9	76.7	60.3	83.3	81.5	62.9	97.6	63.3	44.9	73.5	77.4	50.5	89.7	76.2	67.4	82.3	78.3	32.8	85.8	68.1	50.5	78.1	64.1	42.9	75.6	
Santacruz (E) - Prabhat Colony	70.9	55.1	78.8	66.1	51.0	73.8	59.4	45.5	70.0	60.1	45.0	70.0	81.1	55.9	92.5	78.4	49.9	89.6	65.2	44.9	78.2	73.0	42.9	83.6	74.0	49.9	82.7	80.9	55.9	95.6	68.0	44.4	80.0	68.9	42.9	80.5	
Vile Parle - Paranjape School	68.0	54.3	73.8	69.0	56.0	76.5	62.3	55.2	67.3	62.8	51.0	68.5	75.6	60.1	82.9	80.3	59.6	95.6	67.9	51.2	78.4	76.4	52.3	88.8	72.8	59.3	83.8	74.1	59.6	85.9	65.0	53.4	73.6	65.7	52.3	75.9	
Bandra - Kala Nagar	77.3	52.3	89.8	72.9	54.9	89.4	62.0	52.6	69.7	61.6	50.2	69.9	77.0	53.8	89.9	77.9	49.3	89.9	79.2	62.7	89.0	73.4	52.8	82.9	66.1	47.5	77.4	77.1	53.8	89.9	70.9	54.3	79.7	75.8	51.3	89.3	
Goregaon - Shubhash Nagar	68.8	54.3	81.5	72.1	54.0	88.2	59.8	50.7	68.3	60.0	50.0	69.0	83.7	61.8	97.9	84.4	60.5	95.9	79.6	63.3	87.7	76.9	52.8	90.5	84.0	62.9	91.8	73.0	52.5	89.3	66.2	52.8	77.3	60.5	50.5	69.5	
Jogeshwari - Majesh Wadi	68.1	54.7	80.0	70.4	54.4	80.0	61.8	50.3	70.3	62.4	50.5	70.5	76.6	51.0	89.5	80.7	52.8	99.6	71.9	50.4	81.5	75.4	52.9	82.9	77.6	52.5	96.1	75.0	55.3	85.8	67.5	54.9	77.2	69.8	50.9	85.5	

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23			
Location Name (Details)	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>				
Versova - Azad Nagar	66.7	52.3	75.7	67.8	52.5	75.4	70.3	49.2	88.5	70.9	49.4	89.0	77.7	56.5	89.9	83.2	59.3	99.8	71.2	50.1	81.0	72.0	50.9	82.9	82.6	58.2	98.3	76.6	59.5	89.9	85.2	50.9	79.3	71.2	50.6	80.6	
Marve - Marve Church	67.5	47.3	75.5	70.8	48.5	88.2	62.6	50.2	72.3	63.2	50.4	72.5	72.8	52.4	84.2	77.9	52.3	89.6	66.7	55.0	80.1	73.9	52.3	82.9	71.6	58.9	80.2	72.6	59.3	80.3	72.3	40.4	81.3	71.1	30.9	85.8	
Borivali East - Near Station	68.2	52.1	83.6	72.4	51.4	88.1	63.0	50.5	76.3	65.4	50.4	78.2	71.6	53.8	85.3	76.6	53.8	85.8	68.8	52.9	78.9	74.0	52.6	84.9	76.0	53.0	87.3	72.5	53.8	80.6	74.3	56.4	86.7	69.9	43.8	78.8	
Borivali West - Near Mc Donald	68.8	48.2	80.1	72.6	50.4	88.2	58.3	50.2	68.7	62.0	52.5	70.5	76.9	55.7	85.7	79.7	58.9	89.9	70.3	56.8	81.9	76.1	45.5	88.6	77.9	59.1	89.7	78.2	55.8	85.9	69.9	45.5	81.4	75.5	57.5	89.8	
Dindoshi - Bus Depot	70.1	51.7	88.6	72.5	53.4	89.2	61.8	51.3	70.3	63.3	53.0	75.5	73.1	49.7	85.1	78.1	52.8	85.9	64.8	54.2	72.7	73.1	52.3	84.5	78.4	54.1	87.3	79.6	52.6	89.9	73.4	56.4	86.7	65.9	47.9	79.8	
Kandivli (E) - Station Road	79.1	60.9	89.0	77.8	44.4	89.7	70.6	51.4	80.7	73.2	51.2	86.0	83.6	59.1	94.4	81.9	62.1	94.4	60.6	45.1	68.4	74.5	52.0	88.1	85.3	45.1	97.3	81.1	57.2	88.9	76.8	56.6	88.6	78.0	51.2	89.4	
Dahisar (E) - Near Station	67.8	42.0	80.5	70.2	49.1	80.0	61.5	50.1	70.3	62.3	50.2	70.5	78.2	55.5	89.9	80.1	57.6	89.9	68.7	54.7	80.9	72.8	52.3	82.6	76.1	56.0	87.8	68.9	42.5	80.5	76.2	56.9	89.7	62.1	50.3	70.8	
Juhu - J.V.P.D. Scheme	77.4	50.2	90.8	77.6	50.4	90.5	64.0	47.9	79.4	64.5	48.0	78.1	76.0	50.0	85.4	79.0	50.5	85.9	67.7	47.2	84.6	74.8	47.3	85.6	71.7	49.2	83.1	76.0	50.9	90.6	72.0	42.1	83.3	61.3	50.9	72.3	
Malad (W) - Malad Marve Road	66.9	54.4	75.4	71.1	40.6	82.5	62.9	51.2	72.3	71.0	50.5	78.3	73.6	51.0	85.6	82.7	46.2	95.6	68.6	55.7	80.1	64.5	47.6	74.1	72.3	43.7	83.1	74.4	42.8	84.8	70.6	54.7	79.6	66.5	54.7	76.1	
Mumbai Eastern Suberbs																																					
Chembur (E) - Near Shivaji Maharaj Statue	70.7	51.8	79.1	57.9	34.4	73.7	70.3	49.2	88.5	53.6	34.4	62.1	83.6	60.1	94.4	57.4	39.8	70.4	64.1	47.9	79.4	59.4	45.3	67.8	83.5	60.2	94.4	58.4	33.6	71.3	72.1	42.1	83.3	59.6	42.0	72.0	
Trombay - Ashish Cinema	79.3	57.3	89.5	70.0	51.3	77.9	62.3	54.7	69.7	69.4	55.9	79.3	79.0	55.6	95.3	76.8	43.7	83.9	80.5	60.4	95.4	69.4	55.4	75.2	83.6	60.2	94.4	73.1	44.2	84.4	61.8	51.3	70.3	67.6	60.0	77.0	

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23		
Location Name (Details)	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>
Kurla - Bus Depot	77.0	51.1	89.7	70.2	55.3	77.9	60.6	50.9	70.1	59.4	47.8	70.4	81.1	54.1	94.1	70.3	50.7	79.6	71.1	50.5	81.4	64.8	47.4	76.3	82.7	35.6	99.7	68.9	52.4	76.9	71.6	52.0	82.6	59.0	47.2	69.6
Ghatkopar East - Garudia Nager	83.2	62.1	98.5	75.2	60.0	89.7	73.1	47.3	85.9	55.0	42.1	60.7	89.0	65.6	103.2	74.1	57.8	83.4	80.8	63.6	88.7	73.1	60.0	79.4	87.7	54.1	99.7	73.0	54.6	83.3	69.6	38.3	84.2	62.8	45.7	69.4
Ghatkopar West - Amar Mahal	77.0	62.3	88.2	75.3	57.2	89.7	76.5	52.4	89.0	66.2	45.4	80.0	80.9	60.3	89.7	74.4	50.0	81.3	79.4	60.9	89.2	71.9	43.8	82.3	82.6	55.7	89.8	75.1	59.3	83.2	76.5	59.9	89.3	68.9	45.0	79.9
Mulund East - Station Road	71.7	62.1	79.6	75.3	55.2	83.6	61.6	44.2	69.2	68.0	51.6	77.9	74.7	60.8	82.2	75.3	58.1	83.9	71.4	46.6	81.2	69.4	51.6	84.5	73.8	60.5	82.2	75.4	57.1	84.3	74.0	45.6	83.3	66.7	54.7	76.8
Mulund West - S Rasta	70.4	54.5	78.5	70.9	55.8	78.5	67.5	41.2	78.4	68.5	49.6	78.9	75.6	66.2	82.4	73.6	60.0	79.9	71.0	52.1	79.5	64.5	44.6	77.8	73.1	63.9	79.1	75.5	65.6	79.5	67.6	54.3	76.2	69.7	52.1	79.5
Sakinaka - Safed Pool	69.0	53.4	75.8	75.4	54.2	87.6	62.2	55.7	70.0	67.7	45.3	76.5	75.3	61.0	83.2	75.5	59.3	83.1	68.5	51.2	77.9	68.0	45.3	78.3	72.5	59.0	83.6	74.6	57.8	89.0	64.8	53.7	71.9	60.4	42.1	69.1
Powai - Hiranandani Garden	67.9	56.0	74.6	69.4	46.6	79.8	61.1	55.0	68.1	64.7	54.2	79.0	75.7	61.5	83.4	79.4	62.3	94.3	69.0	51.8	78.9	76.9	52.5	93.6	71.9	59.5	85.2	73.2	60.6	85.8	65.0	54.1	73.6	66.1	52.5	73.6
Wadala - R. A. Road	83.9	62.1	89.8	71.8	43.7	79.5	61.9	54.6	69.1	65.2	51.3	79.3	83.7	61.9	90.2	71.8	43.7	79.5	61.3	53.9	68.0	65.2	51.3	79.3	84.3	62.3	90.8	75.4	60.0	83.9	61.1	55.0	68.1	66.7	51.2	78.0
Dharavi - Tumbawara Junction	68.6	55.2	75.7	81.8	47.6	96.5	61.1	55.0	68.1	70.7	44.8	84.2	75.4	60.8	82.9	80.4	59.6	95.2	68.3	51.4	78.7	73.7	44.8	89.4	70.5	60.0	77.7	78.2	55.6	87.1	65.1	53.8	73.6	72.4	45.1	83.7
Sewree - Station Road	76.2	60.3	85.7	79.1	49.0	96.5	62.3	54.7	69.7	63.9	50.0	71.5	82.3	53.5	95.5	72.3	48.2	87.4	78.5	60.8	88.6	85.4	52.1	101.0	76.3	60.3	88.5	76.4	48.2	96.6	74.1	44.5	88.8	84.3	54.5	98.0
Kalina - Vakola	69.7	54.0	79.4	68.9	53.3	80.1	71.9	42.5	82.7	61.9	50.0	69.0	75.3	60.5	83.5	78.0	62.3	89.8	68.3	51.1	77.5	71.7	50.0	84.9	73.7	59.8	86.5	75.2	59.9	89.9	65.6	53.7	73.9	65.6	45.0	73.9
Vikhroli (W) - Near Cipla Company	71.6	55.7	84.1	79.0	46.6	97.1	61.8	54.7	69.9	53.4	30.3	62.7	78.2	51.3	89.2	64.7	40.9	82.9	64.1	47.9	79.4	55.7	30.3	67.7	74.6	55.8	88.3	66.6	50.7	79.3	56.9	47.5	65.0	69.1	45.0	80.0

Report on Ambient Noise Monitoring in Maharashtra during Diwali-2023

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time							
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23				
Location Name (Details)	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>		
Bhandup (W) - Kakan Nagar	75.9	51.7	85.2	68.4	54.1	76.5	64.2	41.4	73.7	66.3	44.2	76.5	79.3	52.3	98.4	77.0	52.3	87.8	68.6	52.1	77.8	69.8	52.0	79.9	77.1	61.9	82.8	75.6	52.3	87.8	63.4	51.9	76.9	66.6	50.3	79.6		
Navi Mumbai																																						
CBD - Meenakshi Hotel ground Sector - 6 Market area	74.4	61.2	81.1	73.9	61.5	81.5	68.0	60.2	76.3	65.5	60.2	73.4	82.3	60.0	99.9	73.4	61.0	81.5	86.9	60.1	99.0	70.6	46.1	83.2	64.8	60.3	69.3	69.5	60.9	79.6	69.4	44.3	81.4	65.8	58.8	76.3		
Nerul Sector II - Near Bus Depot	73.4	50.2	82.5	70.6	41.7	88.2	66.4	47.3	76.4	67.5	39.4	76.5	84.5	50.8	98.1	70.6	41.7	88.2	82.3	8.4	92.7	82.8	53.1	92.9	83.7	56.4	90.8	76.8	59.5	87.7	75.1	55.1	86.4	71.5	50.5	84.6		
Vashi Sec. I - Near Fish Market	71.8	45.4	87.6	64.8	50.2	79.2	64.2	41.4	73.7	69.5	55.9	79.3	72.8	51.8	86.2	70.6	43.7	80.1	66.8	51.9	80.1	69.7	55.4	79.4	74.6	54.5	87.6	68.0	40.4	78.2	68.1	51.9	75.4	63.3	40.4	70.9		
Vashi Sector 9 - Father Agnil School	69.3	56.1	76.8	74.1	54.2	84.3	58.5	45.1	67.1	68.4	55.5	79.3	75.3	48.6	96.6	74.1	54.2	84.3	55.3	33.0	66.3	64.6	50.7	72.1	66.8	40.8	83.7	68.5	40.4	78.2	63.5	45.1	79.3	65.4	50.9	76.3		
Vashi Sector 15 - Sec. 15 - 16 Market	78.6	47.4	87.1	70.0	45.2	77.3	73.0	55.4	84.0	67.1	57.5	75.2	80.2	62.3	88.9	70.3	45.2	80.2	71.6	52.0	82.6	65.2	58.8	67.1	79.1	55.4	89.0	77.9	61.0	89.8	71.9	50.3	83.7	69.6	47.6	81.9		
Kopar Khairne Sec 10 - De-Mart Chowk	75.4	52.0	86.4	73.4	54.2	82.0	70.5	50.5	79.9	64.7	51.3	74.8	80.7	63.4	87.5	73.4	54.2	82.0	72.6	53.0	82.5	70.6	42.2	84.2	79.7	53.8	86.2	73.5	52.3	83.2	70.1	50.1	79.4	63.8	46.7	75.1		
Airoli - Police Chawki, Mulund - Airoli Road	68.8	43.0	84.7	67.1	53.3	76.2	62.2	54.1	69.7	72.3	59.3	81.6	75.6	60.2	83.9	67.1	53.3	76.2	68.5	51.2	78.0	71.9	53.4	86.3	72.7	60.4	87.6	69.2	50.7	79.4	64.9	53.3	73.2	68.7	52.7	78.4		
Rabale - Village Entry Point	76.4	52.9	89.0	63.3	51.3	70.1	71.9	48.2	84.2	58.8	46.7	67.1	74.4	62.2	81.1	63.3	51.3	70.1	68.9	52.4	78.0	59.5	41.5	70.1	78.8	60.9	89.9	65.7	49.8	73.9	69.9	52.5	79.0	55.6	43.2	63.4		
Ghansoli - Opp. To NMHC Ward Office	77.3	60.9	89.8	69.6	52.5	80.1	61.8	45.4	69.9	58.5	48.3	63.4	74.8	56.5	79.5	69.6	52.5	80.1	68.1	47.7	80.8	70.6	46.1	83.2	73.5	50.2	82.1	76.5	52.5	97.3	76.7	59.3	82.1	63.8	46.7	75.1		
Thane																																						

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23		
Location Name (Details)	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>
Shiv Mandir - In front of Kopineshwar Mandir	78.9	56.3	89.5	77.0	47.6	88.1	70.8	46.8	83.6	68.8	40.7	79.2	74.6	55.5	88.3	77.4	47.6	88.1	70.9	54.3	79.7	72.6	43.7	85.7	73.8	55.2	88.3	75.3	51.3	84.4	68.8	50.3	79.0	65.8	43.0	77.8
Tembhi Naka - Four Way Road (Junction)	78.7	45.2	96.3	74.6	46.7	86.2	74.0	57.0	81.7	64.0	44.5	72.8	86.6	42.1	99.1	76.0	48.3	87.4	82.1	54.7	96.4	69.4	50.2	79.3	74.2	57.8	86.3	75.7	44.4	86.4	61.1	55.0	68.1	69.2	50.2	79.3
Ghokhale Road - Near Woodland Shoes	71.5	51.4	87.1	70.0	51.4	77.4	69.2	49.0	83.4	69.2	49.0	83.4	70.0	51.4	77.4	70.2	51.4	80.5	69.2	49.0	83.4	69.2	49.0	83.4	70.1	51.4	78.9	68.1	49.0	79.4	69.2	49.0	83.4	62.0	49.0	69.7
Pokharan - Vartak Nagar	75.3	51.1	88.8	77.0	52.3	89.5	61.3	50.1	70.3	64.0	44.5	72.8	80.9	59.1	89.6	78.0	52.3	89.5	76.2	55.0	88.4	76.3	49.5	89.3	70.0	51.4	77.7	79.6	59.6	87.9	69.2	49.0	83.4	73.5	55.3	85.5
Wagle Estate	77.4	44.7	89.8	82.1	52.3	94.4	62.2	50.0	68.4	65.2	50.9	79.3	76.0	56.1	87.4	82.1	52.3	94.4	66.5	55.0	77.8	65.8	50.9	78.3	72.4	54.4	83.1	82.1	52.3	94.4	65.4	50.9	79.3	65.3	45.0	76.9
Panvel																																				
Shivaji Chowk	74.9	55.7	84.2	74.0	61.5	79.5	56.8	41.9	63.5	71.5	60.3	79.5	82.9	59.5	99.5	73.6	60.1	79.5	82.7	51.1	101.5	70.8	60.1	77.1	71.1	53.4	79.1	80.0	60.3	87.5	67.7	52.3	78.6	68.0	60.9	75.8
Khanda Colony	75.1	60.2	83.5	77.5	61.5	82.6	70.5	60.0	77.9	72.1	60.5	79.8	72.3	60.1	79.8	77.2	60.1	83.9	71.4	60.3	80.1	72.1	60.1	79.6	73.4	61.4	86.9	80.0	60.3	87.5	64.9	53.8	73.9	75.0	60.2	90.0
Kharghar Utsav Chowk	77.8	53.7	87.8	66.8	40.8	83.7	62.2	50.0	68.4	66.3	52.3	79.8	80.2	54.5	89.6	76.2	60.0	87.8	73.8	60.1	86.6	70.0	49.0	79.7	80.6	53.6	89.9	83.6	60.1	94.4	74.1	60.1	85.6	64.0	48.2	79.4
Pune																																				
Shivaji Nagar (Sakhar Sankul )	76.4	59.4	84.2	75.6	57.4	82.9	62.9	40.2	76.9	63.0	42.2	72.2	83.3	64.8	93.3	85.0	62.8	99.4	68.1	40.3	81.6	74.0	41.9	91.7	79.4	64.3	88.4	79.1	57.6	93.7	60.0	41.7	71.9	59.4	43.7	72.2
Karve Road (Nal Stop)	81.2	63.1	89.8	80.7	57.8	89.6	61.7	40.1	72.6	63.7	42.2	72.2	86.2	69.8	96.4	87.1	65.2	99.4	70.1	40.8	82.7	69.4	40.6	83.7	81.9	65.1	90.1	81.5	62.3	94.2	60.4	42.8	73.4	65.3	43.8	73.4

Report on Ambient Noise Monitoring in Maharashtra during Diwali-2023

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time							
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23				
Location Name (Details)	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>		
Satara Road (City Pride)	76.8	56.2	88.1	76.1	57.3	82.6	61.2	40.1	73.4	65.0	41.1	76.6	84.2	68.2	93.5	85.7	65.4	99.4	71.3	40.6	82.9	75.7	42.3	92.6	79.6	58.2	89.9	78.4	57.4	94.2	60.8	43.5	73.5	63.8	44.0	72.1		
Swargat	77.9	50.4	88.0	77.3	52.6	84.2	64.4	40.1	74.6	66.8	41.1	76.6	86.9	60.2	96.3	87.8	59.3	99.7	74.1	40.6	89.4	72.7	42.6	86.7	79.7	65.4	86.6	81.2	58.4	94.6	63.1	43.5	73.5	68.9	44.5	78.1		
Yerawada (Mental hospital/Jail Road)	70.6	57.3	79.2	73.8	55.2	81.2	61.7	40.1	73.4	63.8	40.5	76.6	83.0	60.5	92.3	83.0	59.4	96.2	68.8	40.9	81.3	69.9	41.9	85.3	75.2	56.6	86.6	76.4	54.8	91.2	60.2	42.8	72.8	58.7	43.3	70.8		
Khadaki (Khadki Bazar)	76.0	60.9	84.0	75.8	58.7	81.6	61.4	40.3	72.4	62.1	41.1	70.2	84.9	70.2	95.4	84.6	63.4	99.6	76.2	43.8	89.7	75.4	41.1	87.7	78.5	63.4	85.6	79.0	62.4	88.6	62.3	42.7	75.6	60.9	42.2	72.4		
Shaniwarwad a	78.7	58.9	92.2	76.7	58.3	86.2	65.5	40.1	79.6	65.4	41.2	75.5	85.8	72.1	94.5	86.2	62.3	99.4	76.5	41.7	89.6	79.6	50.4	92.2	79.6	65.4	88.6	80.1	57.2	92.4	62.6	43.0	74.6	64.9	43.3	76.0		
Laxmi Road	81.8	58.4	93.5	78.2	57.6	87.2	62.2	40.1	71.3	65.7	41.2	76.8	87.7	69.6	96.6	88.6	70.4	98.7	76.2	41.6	91.2	79.4	56.6	90.4	81.7	64.5	91.2	77.9	64.7	86.6	61.0	42.5	75.2	67.3	41.9	78.8		
Saras Bag	76.9	55.2	88.1	75.2	58.7	81.4	61.5	40.2	74.3	63.9	41.2	76.6	85.1	70.2	95.5	87.2	66.3	98.3	72.7	41.5	86.3	74.7	50.1	86.6	80.2	65.3	92.2	75.8	64.8	83.3	58.9	42.0	73.4	62.5	41.2	72.2		
Aundh gaon	77.1	60.4	87.4	75.4	57.3	82.6	55.8	40.1	71.3	57.1	40.1	70.2	86.2	70.3	96.6	85.1	68.8	94.4	67.5	40.2	83.0	69.6	40.7	82.2	79.6	62.2	88.4	73.7	60.7	82.2	52.5	41.8	63.7	51.5	40.8	60.8		
University road	73.9	60.1	82.2	74.1	60.1	81.2	59.3	44.1	71.2	62.0	41.1	72.1	84.7	64.2	93.7	82.8	66.3	92.2	65.7	40.1	79.4	72.9	46.6	88.3	77.6	62.2	88.3	74.1	63.3	83.3	60.6	43.7	73.8	62.6	42.0	74.1		
Nashik																																						
CBS	67.0	59.0	72.0	71.9	51.0	77.0	61.1	51.0	68.0	67.8	54.0	76.0	79.6	60.0	91.0	68.9	58.0	75.0	78.2	55.0	88.0	59.0	52.0	65.0	71.1	58.0	76.0	73.1	56.0	82.0	67.3	60.0	75.0	64.2	52.0	72.0		
Panchavati	68.0	56.0	73.0	69.2	50.0	76.0	58.9	50.0	66.0	63.7	52.0	70.0	78.5	57.0	91.0	70.6	58.0	75.0	76.7	59.0	86.0	57.4	48.0	69.0	69.4	56.0	77.0	68.0	54.0	76.0	66.1	54.0	73.0	64.9	48.0	72.0		

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time							
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23				
Location Name (Details)	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>		
Dahipool	66.6	55.0	72.0	69.1	57.0	77.0	60.9	51.0	68.0	57.5	50.0	64.0	80.1	58.0	90.0	68.8	58.0	74.0	67.5	57.0	77.0	59.1	51.0	64.0	68.6	58.0	76.0	73.4	55.0	82.0	60.6	54.0	67.0	61.9	51.0	70.0		
CIDCO Residential	65.6	52.0	71.0	67.8	46.0	76.0	52.9	48.0	58.0	63.3	51.0	69.0	78.3	55.0	89.0	68.0	51.0	73.0	77.0	60.0	88.0	51.9	48.0	56.0	68.8	58.0	76.0	67.6	50.0	78.0	65.5	56.0	72.0	62.1	50.0	72.0		
Bytco Point	67.6	51.0	75.0	71.7	61.0	79.0	56.7	50.0	62.0	65.5	54.0	74.0	77.7	55.0	89.0	69.5	58.0	75.0	70.2	52.0	79.0	58.2	50.0	65.0	70.3	60.0	76.0	73.6	54.0	84.0	66.4	54.0	74.0	60.2	50.0	68.0		
Aurangabad																																						
Gulmandi	68.5	55.9	73.8	66.4	45.0	78.0	56.1	46.4	62.1	53.7	42.0	63.0	74.1	49.2	84.2	74.5	51.0	83.0	62.0	38.0	71.0	63.5	39.0	72.0	67.7	53.0	73.0	69.4	55.0	75.0	59.3	40.0	68.0	61.0	41.0	70.0		
City Chowk	68.2	53.8	73.5	68.8	45.0	79.0	48.9	46.2	50.3	48.2	42.0	52.0	73.6	62.4	81.3	73.5	63.0	81.0	61.3	36.0	71.0	62.9	38.0	73.0	68.5	48.0	74.0	70.2	49.0	75.0	51.5	40.0	64.0	53.2	41.0	66.0		
Kranti Chowk	76.0	73.4	78.4	74.4	57.0	87.0	50.1	48.0	52.0	48.4	41.0	54.0	77.7	64.1	83.6	77.5	64.0	83.0	59.9	41.0	69.0	61.7	43.0	71.0	71.0	58.0	74.0	72.7	60.0	76.0	57.6	41.0	68.0	58.7	43.0	66.0		
CIDCO Residential	64.8	58.4	68.8	63.5	48.0	74.0	50.0	48.3	52.0	48.0	40.0	52.0	65.3	47.0	80.1	66.4	47.0	81.0	43.8	35.0	51.0	45.6	37.0	52.0	64.4	48.0	72.0	66.1	50.0	74.0	47.4	34.0	57.0	49.1	36.0	59.0		
Usmanpura	60.0	53.9	69.2	59.1	47.0	77.0	49.3	48.2	50.1	48.2	42.0	52.0	57.0	49.7	64.6	57.5	50.0	67.0	50.0	41.0	60.0	51.8	42.0	61.0	65.4	47.0	72.0	66.9	49.0	74.0	52.3	39.0	62.0	54.1	41.0	64.0		
Nagpur																																						
Ajani Chowk	73.8	43.3	83.4	71.5	57.5	83.1	63.6	41.4	72.4	55.3	40.3	69.4	71.1	58.4	85.8	69.4	56.5	78.9	63.8	46.9	72.6	72.1	41.9	88.3	69.6	55.9	75.1	70.3	55.3	82.7	64.8	38.1	79.8	65.3	45.6	71.9		
Civil Lines	671	45.2	74.1	72.4	48.2	79.8	52.6	32.1	62.4	63.4	50.2	69.1	71.9	42.1	84.6	66.5	48.1	77.6	67.2	33.1	84.4	73.9	40.1	88.1	65.8	41.3	74.8	65.1	45.1	74.3	45.2	32.0	55.4	57.2	40.1	67.9		

# Report on Ambient Noise Monitoring in Maharashtra during Diwali-2023

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23			
Location Name (Details)	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>				
Dharampeth	70.2	52.1	83.9	66.1	43.2	72.6	54.0	40.3	64.5	62.5	44.5	72.2	71.6	48.9	87.3	70.0	41.2	90.1	60.3	40.3	76.4	56.4	38.7	67.6	60.6	42.4	72.1	66.0	42.8	74.1	52.7	37.5	64.5	52.9	38.0	62.2	
Itwari	69.2	48.7	80.6	79.0	40.1	90.9	55.8	42.2	64.8	64.8	40.2	78.1	71.1	50.1	88.4	76.4	54.2	87.7	61.1	44.7	71.2	61.8	40.2	74.5	72.0	44.1	89.1	76.8	54.3	84.5	58.7	36.6	73.4	54.6	41.3	64.7	
Civil Hospital (GMC)	72.8	55.7	92.8	67.5	45.7	74.5	61.9	31.8	72.6	68.0	49.6	81.3	64.8	50.9	77.4	68.7	50.8	77.9	64.1	44.3	77.1	60.7	41.2	69.8	63.8	41.9	75.9	69.0	49.7	77.5	53.2	35.6	64.1	51.6	42.9	56.8	
Deshpande Layout	72.8	54.3	86.3	70.9	50.2	78.5	61.7	51.2	71.9	57.3	48.7	64.3	81.0	54.8	91.6	79.7	59.2	92.4	79.5	49.3	88.9	73.9	50.3	87.3	71.7	50.3	82.4	76.6	56.1	86.3	63.3	40.1	71.4	72.3	53.1	84.4	
Shankar Nagar	69.3	55.7	81.6	73.7	56.8	86.0	59.5	40.1	70.4	64.8	40.1	78.1	78.9	47.0	95.2	73.5	48.6	89.1	75.2	40.2	89.1	60.5	43.2	71.2	68.3	45.3	79.5	66.2	46.3	78.3	60.8	35.6	69.7	54.4	42.7	62.7	
Mahal	74.7	55.4	87.4	72.0	40.5	88.1	64.5	45.3	75.2	55.7	39.9	66.9	75.8	61.2	86.2	75.4	55.2	90.1	62.2	41.9	73.8	70.7	40.8	84.5	74.6	55.5	89.7	70.1	55.8	78.2	65.3	35.2	78.3	66.3	44.3	75.7	
Sadar	71.1	54.6	85.5	74.0	50.8	85.2	56.7	43.7	66.5	60.1	36.2	74.2	72.5	54.3	81.9	70.8	54.2	78.6	68.1	40.1	79.8	67.9	48.1	78.1	65.8	44.9	75.8	73.4	51.1	83.2	61.3	39.8	76.5	54.6	48.5	60.5	
Kalamna	84.7	59.8	96.8	79.1	57.6	92.2	65.2	54.4	73.7	61.0	35.6	76.5	81.7	62.3	94.6	76.4	50.6	89.6	75.6	52.4	85.4	71.4	50.7	81.6	74.6	60.1	86.8	77.7	54.0	89.6	66.4	35.9	80.1	66.3	50.6	75.6	
Kalyan																																					
Katemaniveli - Near Tesai Talav	67.8	54.1	74.4	84.0	54.7	91.8	62.3	54.7	69.7	78.4	50.4	93.6	86.5	59.4	97.2	78.4	54.1	87.3	83.0	53.1	92.9	70.0	49.0	79.7	86.3	55.6	99.4	76.9	60.2	83.3	83.2	52.1	96.7	63.2	44.9	73.5	
Birla College - Near the gate	64.3	41.0	79.0	82.1	68.3	90.1	56.9	47.5	65.0	64.7	53.2	72.3	73.9	43.1	92.7	86.1	61.3	97.4	57.5	45.4	65.3	66.7	50.4	75.1	74.7	51.2	89.9	80.9	63.9	89.5	58.7	42.5	69.4	61.5	47.9	71.5	
Bail Bazar - Police Chowki	72.0	40.1	83.7	75.4	54.9	83.9	67.1	36.0	80.3	69.4	41.4	80.4	82.7	42.3	99.7	75.5	50.7	85.6	83.8	40.0	95.9	72.6	51.6	81.6	79.4	44.8	99.9	71.9	44.5	79.6	59.4	37.3	73.2	63.1	45.2	71.5	



	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23			
Location Name (Details)	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>m</sub> <sub>ax</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>m</sub> <sub>ax</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>m</sub> <sub>ax</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>m</sub> <sub>ax</sub>	
Amaravati																																					
Budhwara Peth	66.3	48.5	75.4	66.3	48.5	75.4	65.9	42.7	75.4	65.9	42.7	75.4	73.0	48.3	81.7	71.7	48.3	81.7	69.5	46.2	78.5	69.5	46.2	78.5	69.9	47.3	82.3	70.0	47.3	82.3	65.1	41.3	75.8	67.2	46.4	75.8	
Ervin Hospital	65.6	50.8	73.5	65.7	55.8	71.4	60.6	45.2	69.4	58.3	45.2	66.7	66.6	46.6	75.9	65.1	46.6	74.3	66.1	41.2	75.3	61.7	45.2	74.5	65.5	46.6	73.8	65.2	51.1	72.8	58.6	33.2	68.6	58.6	46.4	68.8	
Rajkamal Chowk	75.6	58.7	86.3	73.0	61.3	81.2	72.7	56.2	80.9	67.0	56.2	75.1	77.2	59.7	86.7	77.6	61.9	86.7	76.5	54.8	87.1	76.6	54.8	87.1	74.2	57.7	83.4	75.1	58.7	84.4	64.4	41.4	79.5	67.9	45.5	77.2	
Jalgaon																																					
Near Civil Hospital	75.2	54.5	82.8	78.6	34.8	89.1	73.0	36.3	83.5	34.6	31.1	38.4	69.3	55.7	77.3	85.4	35.3	95.5	68.3	46.4	78.0	78.7	40.1	89.3	70.9	56.5	79.2	76.3	37.8	85.1	55.5	41.8	73.8	67.0	36.8	80.2	
Shivaji Chowk (Near Court)	76.2	40.0	88.5	60.3	35.5	72.3	55.0	40.2	62.8	40.7	31.2	49.8	81.5	71.0	88.8	73.4	47.8	86.8	47.6	36.0	65.2	67.8	31.9	79.8	70.6	54.5	78.0	76.8	42.8	86.8	52.7	49.1	56.2	64.9	35.8	75.4	
Shashtri Tower Chowk	79.0	66.5	86.8	81.1	64.6	91.5	73.4	40.7	87.2	46.1	33.8	61.5	79.4	66.6	85.8	89.4	34.4	99.6	61.1	50.9	80.0	75.7	32.2	86.9	79.2	60.4	89.6	81.2	35.9	92.7	62.4	51.6	88.2	67.7	36.2	79.2	
Kolhapur																																					
Tara Rani	91.9	75.1	99.6	87.8	65.8	97.6	84.7	68.4	98.6	65.0	43.2	75.3	93.8	44.3	108.2	91.2	72.5	102.3	80.8	43.6	93.6	78.2	51.2	94.6	92.6	58.1	105.6	88.0	62.3	97.8	60.1	49.2	68.4	64.9	42.8	75.6	
Rajaram Puri	73.9	43.2	80.8	74.5	60.3	85.3	57.7	43.1	64.8	63.3	49.5	72.2	88.8	47.6	100.2	90.0	62.9	101.7	79.4	40.9	90.5	78.2	51.2	94.6	80.1	49.6	96.8	77.9	58.5	88.9	60.2	49.6	70.1	61.3	40.6	72.3	
Papachi Tikti	62.7	50.1	70.2	62.5	48.5	72.5	59.0	41.9	69.2	60.3	40.5	72.2	94.1	41.5	110.6	92.7	60.5	105.8	72.0	40.2	84.2	75.4	40.3	91.6	82.7	55.3	95.4	81.8	52.3	96.3	61.3	47.2	72.3	59.3	40.3	70.3	

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time							
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23				
Location Name (Details)	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>					
Shivaji Chowk	77.3	55.5	84.2	78.1	52.3	88.6	63.5	48.7	72.2	64.8	50.4	75.5	93.9	51.4	110.5	89.2	62.3	101.3	55.9	40.2	65.4	61.7	40.6	72.3	86.6	55.4	95.8	84.8	62.3	96.8	60.0	40.1	70.4	59.3	40.9	72.3		
Shahupuri	70.8	38.2	82.6	74.4	47.6	85.2	55.4	43.1	66.4	61.1	43.3	72.2	96.4	43.9	110.7	90.1	58.9	103.5	79.0	41.6	90.2	77.3	42.6	92.6	75.9	50.8	87.5	76.1	52.3	88.2	57.8	40.6	70.9	61.6	40.3	76.8		
Sangli																																						
Herbhat Road	84.1	40.3	98.3	80.4	51.3	96.1	55.0	42.1	66.4	54.5	42.3	64.9	90.4	52.1	98.9	86.0	52.8	97.2	70.1	42.3	79.4	68.8	48.9	82.5	89.2	55.1	98.5	85.0	50.2	95.8	61.3	46.9	69.9	64.4	43.5	73.6		
Ganpati Peth	84.0	43.1	97.3	82.7	51.3	94.3	65.3	40.1	77.8	59.9	50.3	69.3	88.5	55.1	97.4	90.2	62.3	98.9	53.4	40.2	63.4	54.9	42.3	62.5	90.9	55.1	98.9	86.2	62.5	96.9	70.3	45.4	80.4	68.7	43.6	82.6		
Miraj Market	84.7	43.1	97.3	78.3	52.6	88.8	56.4	42.2	68.1	58.1	40.3	72.6	92.4	55.1	99.2	89.2	64.9	98.9	55.6	40.2	67.9	57.0	41.2	66.3	85.7	53.2	98.1	86.1	54.8	96.3	60.0	45.9	69.7	61.9	42.6	75.2		
Mira-Bhayander																																						
Bhakti Vedant Hospital, Tenkar pada	74.1	50.6	85.5	70.1	40.4	80.0	67.1	36.0	80.3	69.2	49.0	83.4	68.2	50.6	80.0	73.7	59.3	82.6	64.6	50.2	77.2	77.4	50.5	89.7	85.1	42.1	99.1	72.4	48.3	83.7	66.8	30.4	76.8	59.3	37.3	73.2		
Golden police Chowki	76.5	47.9	88.9	70.4	54.4	80.0	67.1	36.0	80.3	67.8	49.6	78.4	77.7	41.2	89.0	78.9	47.6	89.2	67.1	55.0	77.8	76.2	45.3	90.2	83.4	55.8	94.4	80.6	56.5	94.2	59.8	50.0	68.2	68.4	58.8	75.8		
Shivaji Chowk Kashi meera	79.0	45.9	96.3	74.1	50.8	86.2	62.3	54.7	69.7	64.7	44.5	75.3	86.1	45.1	99.0	66.8	40.8	83.7	69.5	54.7	81.6	57.7	44.6	70.1	68.3	52.2	88.5	77.5	59.5	87.7	65.6	53.7	73.9	68.1	50.5	78.1		
Vasai-Virar																																						
Range office, Satwali, Vasai East	71.1	52.4	79.3	62.4	51.2	69.9	60.4	50.0	70.3	61.7	52.2	69.4	67.3	53.1	76.7	74.2	52.6	84.3	75.3	50.0	89.2	74.8	50.3	89.3	64.2	52.2	76.0	71.5	51.6	81.6	58.8	50.0	66.4	69.1	51.7	81.4		

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time							
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23				
Location Name (Details)	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>		
Valiv phata, Vasai East	72.3	50.1	87.7	63.9	53.3	73.2	58.5	50.4	67.6	59.9	48.9	69.7	66.9	51.2	80.1	73.2	52.3	84.3	73.0	50.7	87.2	74.1	50.3	87.3	64.1	50.3	72.2	66.5	52.1	74.1	57.8	50.0	66.0	62.3	52.1	73.3		
N.B. Estate, Virar West	66.5	54.3	75.9	61.5	53.6	69.5	60.2	50.4	67.5	57.7	48.3	63.1	82.4	60.2	94.5	83.6	60.3	92.5	77.4	67.3	87.3	79.1	57.9	87.8	82.8	65.9	89.7	71.2	56.8	81.6	65.5	56.3	69.9	63.6	57.3	72.9		
Ulhasnagar																																						
Shivaji Chowk No. 3 - Near the Chowk	72.0	55.8	84.2	76.3	42.3	87.0	55.1	41.1	64.4	71.8	40.0	83.4	73.7	51.3	86.7	77.2	45.5	87.8	57.1	40.4	70.1	70.4	48.2	80.0	73.0	41.3	86.4	85.6	42.8	97.7	59.3	41.1	72.8	76.3	47.5	88.9		
Camp No. 5 Bus Stop - Bus Stop	68.6	49.8	77.1	79.6	55.6	89.3	64.8	48.0	73.5	67.5	38.1	80.1	70.9	47.3	83.3	79.7	46.2	88.7	72.2	47.8	84.2	74.4	36.9	88.1	70.6	41.7	88.2	81.3	50.4	89.6	66.5	42.3	76.5	76.6	36.1	88.4		
Camp No. 1 Gol Maidan - Gol Maidan	73.6	50.6	84.2	78.8	42.3	91.3	59.8	40.5	69.3	72.9	43.2	85.6	79.5	46.2	96.1	85.3	47.6	96.4	63.6	44.0	72.1	76.2	45.3	90.2	72.4	44.3	93.1	73.3	48.3	83.7	67.4	39.3	76.5	61.7	48.1	71.3		
Bhiwandi-Nizampur																																						
Dhamankar Naka	76.8	59.4	89.2	73.6	47.7	80.7	74.7	46.8	86.3	68.9	45.2	79.7	74.3	55.2	86.7	78.7	56.7	98.4	66.3	53.7	76.7	70.2	50.1	78.1	76.4	50.4	89.2	76.5	44.1	86.4	67.0	50.5	78.1	68.0	40.1	81.1		
Indira Gandhi Memorial Hospital	75.6	49.1	88.9	71.3	43.1	79.7	62.3	45.5	70.4	61.5	41.4	69.4	75.8	54.4	88.5	73.8	50.4	80.5	65.7	48.0	79.4	66.6	45.0	78.4	75.6	50.6	87.4	71.6	40.4	79.8	62.7	48.0	70.4	58.0	40.4	68.7		
Shelar Near Nadi naka	77.0	53.4	89.5	75.2	48.7	82.4	72.6	48.4	87.4	70.1	40.4	79.6	77.5	54.2	88.9	77.1	49.7	85.5	70.1	52.4	79.8	73.2	44.1	83.8	77.9	54.2	88.7	75.8	40.5	85.3	68.7	50.4	79.8	66.9	40.4	79.6		
Chandrapur																																						
Gandhi Chowk	71.1	60.5	78.7	74.3	61.3	82.4	61.8	44.2	72.3	63.7	51.6	70.8	71.7	54.4	85.3	81.1	58.9	92.7	72.1	41.9	83.9	68.3	56.7	80.7	70.9	54.7	82.6	73.1	57.7	86.3	63.3	50.2	74.5	62.1	41.3	73.9		

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time							
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23				
Location Name (Details)	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>m ax</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>m ax</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>m ax</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>m ax</sub>		
Jatpura Gate	77.5	56.8	97.9	75.0	56.7	90.2	61.7	50.3	69.1	61.1	38.3	71.4	76.2	55.4	84.5	75.9	57.5	88.3	72.6	53.1	86.7	62.6	48.3	72.5	67.0	51.7	75.1	73.6	52.4	85.5	63.3	47.6	69.9	70.8	41.1	83.4		
Warora Naka	71.1	56.7	82.5	71.7	54.6	82.4	60.9	44.9	69.1	64.9	54.2	73.5	71.1	54.9	84.7	75.9	50.6	93.5	71.4	54.2	82.7	69.8	41.1	88.3	72.5	50.4	84.4	73.4	56.3	82.6	67.9	51.2	83.2	68.2	53.9	80.1		
Nanded-Waghala																																						
Ganesh Nagar, Municipal Corporation, Nanded	57.4	55.1	61.8	52.2	46.0	64.0	50.5	49.1	52.2	49.3	42.0	55.0	58.2	50.6	65.0	59.0	52.0	66.0	57.3	41.0	65.0	59.0	41.0	67.0	69.2	51.0	74.0	71.0	53.0	76.0	50.6	37.0	59.0	51.8	39.0	60.0		
Shivaji Nagar	57.1	54.6	59.3	55.0	45.0	63.0	49.8	48.1	50.8	48.6	41.0	53.0	57.4	50.1	65.8	57.8	49.0	65.0	56.7	40.0	68.0	58.4	42.0	70.0	68.8	51.0	74.0	70.5	520.0	75.0	58.9	37.0	69.0	60.7	39.0	71.0		
Shree Guru Govindsing Govt. Medical College & Hospital, Shivaji Putala, Nanded	58.0	56.5	59.3	55.4	46.0	62.0	49.7	48.9	50.8	48.5	41.0	54.0	57.7	50.1	65.8	58.9	53.0	66.0	58.9	41.0	68.0	60.8	43.0	70.0	69.7	51.0	79.0	71.4	52.0	80.0	59.9	41.0	69.0	62.0	42.0	70.0		
Ahmednagar																																						
Kotala Chowk	66.8	53.0	73.0	77.7	54.0	76.0	57.8	50.0	65.0	61.9	54.0	68.0	77.7	53.0	77.0	66.8	53.0	73.0	69.7	54.0	79.0	58.0	50.0	68.0	77.7	52.0	74.0	77.7	54.0	77.0	63.0	54.0	68.0	58.8	48.0	68.0		
Chitale Road	67.3	54.0	72.0	65.2	56.0	71.0	59.1	51.0	66.0	59.4	51.0	66.0	68.3	54.0	76.0	68.3	57.0	74.0	77.8	56.0	87.0	57.6	51.0	62.0	63.7	58.0	69.0	66.5	48.0	74.0	60.3	54.0	66.0	60.3	50.0	68.0		
Old Bus Stand	69.6	54.0	75.5	71.2	58.0	76.0	60.6	51.0	66.0	63.3	57.0	69.0	67.3	54.0	75.0	70.1	54.0	75.5	71.8	56.0	79.0	58.9	50.0	66.0	67.6	55.0	74.0	66.4	52.0	75.0	63.2	54.0	69.0	60.0	50.0	68.0		
Dhule																																						

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23			
Location Name (Details)	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	
Agrasen Chowk	67.5	52.0	72.0	70.6	57.0	76.0	59.5	51.0	67.0	63.8	54.0	72.0	70.3	60.0	76.0	68.3	56.0	75.0	69.5	54.0	78.0	58.3	49.0	64.0	69.5	61.0	75.0	69.6	58.0	75.0	65.6	58.0	72.0	59.9	50.0	68.0	
Fulwala Chowk	68.6	55.0	75.0	66.6	57.0	74.0	60.0	52.0	68.0	62.2	51.0	71.0	69.3	56.0	77.0	68.8	55.0	75.0	67.9	54.0	76.0	58.0	50.0	64.0	66.3	56.0	74.0	68.5	54.0	77.0	64.9	58.0	71.0	60.8	48.0	69.0	
Santoshi Mata Chowk	68.6	54.0	73.0	69.1	52.0	75.0	60.2	51.0	68.0	61.4	52.0	69.0	69.5	51.0	77.0	69.1	55.0	75.0	73.7	54.0	83.0	58.4	50.0	66.0	67.9	54.0	73.0	67.4	55.0	76.0	63.5	57.0	69.0	57.9	47.0	65.0	
Malegaon																																					
Mosampul	68.7	57.0	74.0	66.0	54.0	72.0	59.9	52.0	68.0	61.7	51.0	69.0	68.6	54.0	75.0	69.6	55.0	76.0	68.5	54.0	76.0	57.5	51.0	64.0	66.3	56.0	74.0	68.6	54.0	75.0	63.4	56.0	69.0	64.2	49.0	72.0	
Satana Naka	68.3	54.0	75.0	68.9	54.0	75.0	59.5	52.0	65.0	61.4	50.0	69.0	70.9	54.0	76.0	68.7	56.0	75.0	70.8	60.0	80.0	57.3	50.0	62.0	68.3	57.0	74.0	69.2	54.0	74.0	65.0	57.0	69.0	57.7	48.0	68.0	
Malegaon Camp	67.6	55.0	74.0	68.8	48.0	75.0	59.2	54.0	65.0	65.2	58.0	71.0	70.2	58.0	76.0	67.9	52.0	74.0	69.3	54.0	79.0	57.5	52.0	64.0	68.5	57.0	73.0	68.8	52.0	76.0	65.2	58.0	71.0	59.5	45.0	68.0	
Pimpri-Chinchwad																																					
Pimpri (Dilux Chowk)	77.9	53.9	87.3	74.6	56.6	82.3	58.6	41.7	69.9	64.4	42.2	76.6	84.9	64.5	94.5	83.1	58.9	97.3	69.8	41.5	83.4	66.2	43.6	76.9	79.4	56.4	88.4	83.6	50.7	96.3	55.4	41.7	64.3	58.1	40.3	69.3	
Chinchwad (Chafekar Chowk)	74.7	64.6	77.9	76.4	63.3	83.3	67.5	41.4	78.2	69.4	42.2	81.1	85.6	73.9	101.5	87.2	64.8	99.6	70.1	41.0	81.6	72.6	42.3	85.9	78.1	64.4	86.5	82.8	58.9	96.3	63.2	42.6	74.6	60.5	42.3	72.5	
Thergaon (Dange Chowk)	77.7	60.2	85.4	77.7	60.3	86.6	58.5	42.2	66.1	61.8	42.2	72.2	83.6	65.9	94.2	86.2	62.3	98.5	68.6	42.7	79.6	69.9	43.5	82.6	81.2	62.5	90.7	79.8	58.4	94.5	65.8	42.9	78.8	62.8	40.8	75.6	
Parbhani																																					

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23			
Location Name (Details)	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>	L <sub>eq</sub>	L <sub>mi n</sub>	L <sub>ma x</sub>				
Shivaji Maharaj Putala, (near S.P. Office)	58.9	56.7	60.6	56.4	45.0	65.0	50.1	49.5	51.0	49.1	41.0	55.0	55.9	48.0	65.0	57.8	49.0	67.0	59.6	41.0	67.0	61.4	42.0	69.0	70.3	49.0	76.0	72.1	51.0	78.0	55.9	38.0	67.0	57.5	39.0	69.0	
Shivaji Chawk, Parbhani	58.4	51.4	60.5	55.5	47.0	63.0	49.8	47.8	51.3	48.5	42.0	54.0	56.2	48.0	63.0	58.2	50.0	64.0	62.6	41.0	70.0	64.2	42.0	72.0	70.3	51.0	79.0	72.2	52.0	80.0	54.6	41.0	64.0	56.3	42.0	66.0	
Raigad Corner, Jintur road, Parbhani.	55.6	53.0	57.1	53.0	42.0	60.0	50.1	48.5	51.1	48.9	40.0	53.0	54.0	45.0	60.0	55.7	43.0	63.0	55.2	37.0	65.0	56.6	38.0	67.0	58.0	47.0	64.0	59.7	49.0	66.0	46.5	37.0	54.0	48.5	38.0	56.0	
Latur																																					
Ganjigolai	60.8	57.2	64.1	58.4	44.0	67.0	50.3	49.1	51.6	48.8	43.0	55.0	56.0	45.0	62.0	57.4	48.0	64.0	63.7	41.0	71.0	65.2	43.0	73.0	69.6	51.0	74.0	70.7	52.0	67.0	58.6	40.0	68.0	60.4	41.0	69.0	
Kesharaj High school, Sham nagar, Amba Jogai Road, Latur	55.3	51.3	56.9	53.0	44.0	60.0	50.4	49.9	51.1	49.3	42.0	54.0	56.0	42.0	71.0	56.1	43.0	64.0	60.2	37.0	69.0	61.7	40.0	71.0	63.9	47.0	71.0	65.3	49.0	73.0	49.8	37.0	61.0	51.4	39.0	62.0	
Aadarsh Colony, Ausa Road	51.9	49.2	54.8	51.7	42.0	59.0	50.4	48.9	51.4	50.0	42.0	56.0	53.9	45.0	61.0	55.0	45.0	62.0	60.3	41.0	69.0	62.0	42.0	71.0	59.5	41.0	68.0	61.2	43.0	69.0	49.8	37.0	61.0	50.6	39.0	63.0	
Akola																																					
Collector Office	73.8	54.1	85.9	75.7	57.5	81.6	61.9	38.1	75.8	61.2	54.8	68.6	70.4	62.0	78.0	81.5	51.8	92.7	59.6	50.2	74.0	79.2	36.2	92.8	71.4	59.5	75.7	79.0	44.8	90.6	56.4	50.2	65.5	70.0	36.5	83.5	
Civil line Chowk / Ratanlal plot	75.6	54.3	86.4	76.5	65.2	86.3	67.6	39.1	80.5	56.8	51.4	64.2	72.7	64.9	78.5	84.5	51.9	97.4	60.5	50.5	75.2	77.8	44.8	91.3	76.8	62.4	87.7	80.3	48.3	91.4	66.9	57.0	79.0	71.3	37.4	85.7	
City Kotawali Chowk near police station	78.9	55.1	90.8	79.9	69.7	83.8	70.4	40.0	81.6	62.9	56.0	72.4	73.7	66.2	79.0	83.6	54.8	93.7	63.1	52.7	76.4	79.6	38.5	93.8	73.5	64.3	78.9	82.1	53.6	91.8	60.6	50.9	76.3	69.9	38.1	80.5	
Solapur																																					

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time							
	18-Oct-22			06-Nov-23			18-Oct-22			06-Nov-23			24-Oct-22			12-Nov-23			24-Oct-22			12-Nov-23			26-Oct-22			14-Nov-23			26-Oct-22			14-Nov-23				
Location Name (Details)	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>m</sub> <sub>ax</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>ma</sub> <sub>x</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>m</sub> <sub>ax</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>m</sub> <sub>ax</sub>	L <sub>eq</sub>	L <sub>mi</sub> <sub>n</sub>	L <sub>m</sub> <sub>ax</sub>		
Balives	70.8	42.3	85.3	72.9	38.9	91.5	68.0	41.3	79.3	73.0	30.8	88.5	82.4	45.4	99.1	84.7	60.7	97.6	62.1	43.2	77.4	61.8	42.5	75.2	78.1	52.8	93.5	79.3	52.3	90.1	68.7	50.2	78.5	65.2	42.3	75.6		
Ashok chowk	66.9	36.7	85.3	68.6	33.9	80.1	70.6	38.7	85.3	69.2	30.1	80.6	71.0	40.3	80.4	76.8	51.9	89.7	53.6	40.2	65.3	56.1	42.3	64.8	85.3	56.2	96.4	81.0	52.3	94.8	67.9	50.9	76.8	68.3	40.7	81.5		
Hotgi & Bijapur Road	68.7	36.7	85.3	69.4	40.9	85.2	68.7	46.4	79.3	61.7	31.1	74.2	70.9	48.3	88.7	76.0	47.5	94.2	54.9	38.2	70.3	58.5	40.7	72.6	87.7	70.9	97.5	81.6	54.6	95.6	73.8	53.4	85.9	74.4	42.7	83.6		
Badlapur																																						
Gandhi Chowk, Badlapur	74.8	47.3	88.0	68.5	30.1	81.2	55.6	44.3	68.1	65.0	42.3	79.4	74.3	55.2	86.7	74.3	57.3	85.6	65.2	41.4	75.3	69.0	49.0	79.0	75.2	43.0	88.5	73.2	50.9	88.2	80.7	30.0	95.8	67.1	42.3	79.4		
Katrap Gaon Opposite Ghorpade Chowk, Badlapur	77.6	44.4	96.3	81.5	40.3	91.3	70.3	46.7	81.2	73.3	32.0	85.6	74.1	51.3	87.5	78.2	32.4	90.2	72.1	50.6	87.2	59.4	32.3	69.0	66.5	45.1	78.9	66.4	40.8	70.6	63.0	25.9	77.8	57.3	44.9	60.8		
Surwal Chowk, Shirgaon, Badlapur	75.0	50.1	88.0	72.8	44.4	84.2	62.1	55.7	70.0	65.3	40.4	78.4	75.8	42.1	89.0	77.8	58.4	88.5	62.9	41.3	70.1	59.7	37.3	73.2	68.9	41.2	83.8	64.7	50.1	77.8	65.4	45.0	76.9	62.1	50.1	76.1		
Jalna																																						
Shivaji Chowk	51.9	50.7	53.4	51.7	42.0	60.0	49.0	46.7	50.4	49.2	41.0	54.0	54.4	45.0	63.0	55.3	44.0	64.0	56.6	40.0	68.0	58.3	41.0	69.0	59.6	41.0	68.0	61.3	42.0	69.0	51.6	38.0	62.0	53.4	39.0	64.0		
Bhagya Nagar	52.0	49.4	54.1	51.8	43.0	59.0	49.1	48.5	50.0	50.2	44.0	54.0	54.2	47.0	63.0	55.4	46.0	64.0	54.2	40.0	64.0	55.8	41.0	66.0	60.6	41.0	69.0	62.2	53.0	71.0	47.7	37.0	58.0	49.3	38.0	60.0		
Mantha Choufulee	52.2	50.7	53.7	51.5	42.0	58.0	49.4	48.3	51.0	50.2	44.0	55.0	54.9	45.0	64.0	56.3	46.0	65.0	63.2	41.0	71.0	64.9	42.0	72.0	62.3	41.0	71.0	63.8	42.0	72.0	52.7	37.0	62.0	54.2	39.0	63.0		

