

# **REPORT ON AMBIENT NOISE MONITORING DURING DIWALI FESTIVAL-2022**



**MAHARASHTRA POLLUTION CONTROL BOARD**

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## **ABSTRACT**

Firecrackers during the Diwali festival generate instantaneous impulsive noise of various sound pressure levels, which results in Noise Pollution. Continuous and long-term exposure to this type of elevated sound levels may lead to adverse effects in humans or other living organisms.

To understand the level of noise pollution and to correlate it with the effectiveness of pollution abatement measures, Maharashtra Pollution Control Board, therefore, conducts an extensive noise monitoring study during the festival. Like every year, this year also, the Board carried out ambient noise monitoring at 158 locations across Maharashtra covering 23 Municipal Corporations.

The monitoring was carried out for 3 days i.e. on 18<sup>th</sup> October (pre-Diwali), 24<sup>th</sup> October (Diwali – Laxmi Poojan) & 26<sup>th</sup> October (Post-Diwali) continuously for 24 hours at each location, comprising residential, commercial, and silence zones. The maximum noise levels were recorded on the festival day i.e on 24<sup>th</sup> October 2022.

In this report, the comparative study of noise levels for this year (2022) and the last year (2021) has also been highlighted. The study shows an increase in noise level at 120 locations and a decrease in noise level at 38 locations on the festival day as compared to last year. Little reduction in noise levels is encouraging, as greater efforts are required for spreading awareness about the effects of noise pollution among the public in general.

The field study done by M/s Ashwamedh Engineers & Consultants, Nashik, and the cooperation extended by all Regional Offices of the Board in this study is gratefully acknowledged. The strong support extended by the State Police, Traffic Police Media and NGOs during the monitoring is also acknowledged. The entire study work including planning, coordination, and report preparation was done at the Joint Director-Air Pollution Control, MPCB Board. The contributions of Dr. V. M. Motghare and Ms. Sneha Kamble are highly appreciated.

November, 2022

## **CONTENTS**

1	INTRODUCTION	5
1.1	UNIT OF SOUND .....	5
1.2	NOISE DESCRIPTORS .....	6
2	OBJECTIVES	6
3	METHODOLOGY	7
3.1	AMBIENT NOISE MONITORING LOCATIONS.....	7
3.2	AMBIENT NOISE MONITORING AND DATA ANALYSIS .....	9
4	RESULTS	9
4.1	MUMBAI .....	9
4.1.1	Mumbai South	10
4.1.2	Mumbai Western Suburbs	16
4.1.3	Mumbai Eastern Suburbs	22
4.2	NAVI MUMBAI .....	28
4.3	THANE .....	33
4.4	PANVEL.....	37
4.5	PUNE.....	40
4.6	NASHIK .....	45
4.7	AURANGABAD .....	49
4.8	NAGPUR .....	52
4.9	KALYAN.....	57
4.10	AMARAVATI.....	61
4.11	JALGAON.....	65
4.12	KOLHAPUR.....	68
4.13	SANGLI .....	71
4.14	MIRA-BHAYANDER .....	74
4.15	VASAI-VIRAR.....	77
4.16	ULHASNAGAR .....	80
4.17	BHIWANDI-NIZAMPUR .....	83
4.18	CHANDRAPUR .....	86
4.19	NANDED-WAGHALA .....	90
4.20	AHMEDNAGAR .....	94
4.21	DHULE .....	97
4.22	MALEGAON.....	100
4.23	PIMPRI-CHINCHWAD .....	103
4.24	PARBHANI .....	106
4.25	LATUR.....	109
4.26	AKOLA .....	112
4.27	SOLAPUR.....	115
4.28	BADLAPUR .....	118
4.29	JALNA .....	121
5	SUMMARY OF THE RESULTS	124
6	COMPARATIVE STUDY OF NOISE LEVELS	128
7	CONCLUSIONS	161
8	DEFINITIONS	163
9	GLIMPSE OF THE EVENT	164
10	ANNEXURES	168
	ANNEXURE I: DETAILED LIST OF STUDIED LOCATIONS .....	168
	ANNEXURE II: NOISE POLLUTION (REGULATION & CONTROL) RULES, 2000 AMENDMENT DATED 21 <sup>ST</sup> APRIL, 2009	173
	ANNEXURE III: COMPARATIVE AMBIENT NOISE LEVELS DURING THE YEAR 2022 & 2021 .....	183

## 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 is a festival of lights that is celebrated with great enthusiasm all over India during the month of October or November (Onset of winter). Diwali means "rows of lighted lamps" and the occasion is also referred to as the "Festival of Lights".

On this occasion, a lot of fire crackers are used almost in every part of the country as a part of celebration. Bursting of firecrackers and illumination is a symbol of joy and prosperity. Introduction of new fireworks in the market, not only produces colourful lights and gases, but also generate instantaneous impulsive noise of various sound pressure levels. A number of crackers when bursting serially can easily form a band of continuous noise in the presence of reflecting surfaces. The continuous band of noise, thus formed, definitely affects the ambient level in close proximity. This may also lead to several short term and long-term impact on the environment, humans, plants and animals.

The excessive noise is very dangerous for human beings because the ear of human beings is very sensitive part of body, it has naturally made membrane inside the ear. If more than the capability of human ear noise produced, in this case the ear membrane of human can be damaged. Other problems related to noise includes hearing loss, stress, high blood pressure, sleep loss, distraction and lost productivity, and a general reduction in the quality of life and opportunities for tranquility. Therefore, it is important to reduce noise by various strategies including measure, control and planning.

In this matter, Maharashtra Pollution Control Board (MPCB) has been carrying out study of the ambient noise levels in the state of Maharashtra during the period of Diwali Festival for more than 11 years as a continuous process. This year also, ambient noise monitoring was carried out at 158 locations from 27 Municipal Corporation of Maharashtra for 3 days period during Diwali Festival viz. on 18<sup>th</sup> October (Pre-Diwali), 24<sup>th</sup> October (Laxmi Poojan, or on Diwali) and 26<sup>th</sup> October (Post Diwali). The monitoring was carried out continuously for 24 hours at 158 locations, comprising of residential, commercial and silence zone.

### 1.1 Unit of Sound

Sound is usually made up of a wide range of different frequencies. The spread of sound energy across the audible frequency "spectrum" (about 20Hz – 20kHz) is one factor that helps to make it identifiable to the human ear. The human ear is a very sensitive system with an extensive dynamic range. To accommodate this very large range, sound levels are measured using the decibel (dB) scale.

In most cases, the sounds and noises we hear are not steady. Apart from variation in tones, the magnitude or the sound pressure level of a sound or noise changes with time. Unlike a sound level meter, the human ear responds differently at different frequencies, so a weighting, or filter, can be used so that the meter responds more like the human ear. The most commonly used weighting is referred to as the 'A' weighting and readings are usually measured in dBA. The "Sound Pressure Level" (SPL) is twenty times the logarithm to the base 10 of the ratio of the effective pressure (p) of a sound to the reference pressure (Pr) of 20  $\mu$ Pa. Thus, the sound pressure level in dB =  $20 \log_{10} P/Pr$ .

## **1.2 Noise Descriptors**

- **L<sub>Aeq</sub>** is used to quantify the noise where the L<sub>p</sub> varies over time. In most situations, the L<sub>Aeq</sub> is the most appropriate descriptor used to investigate environmental noise complaints.
- **The n-percent** exceeded level, L<sub>n</sub>, is the sound pressure level exceeded for n percent of the time. In other words, for n percent of the time, the fluctuating sound pressure levels are higher than the L<sub>n</sub> level. L<sub>n</sub> can be obtained by analyzing a given noise by statistical means. The commonly used value of n for the n-percent exceeded level, L<sub>n</sub>, are 10, 50, and 90.
- **L<sub>10</sub>** is the level exceeded for 10% of the time. For 10% of the time, the sound or noise has a sound pressure level above L<sub>10</sub>. For the rest of the time, the sound or noise has a sound pressure level at or below L<sub>10</sub>.
- **L<sub>50</sub>** is the level exceeded for 50% of the time. It is statistically the mid-point of the noise readings. It represents the median of the fluctuating noise levels.
- **L<sub>90</sub>** is the level exceeded for 90% of the time. For 90% of the time, the noise level is above this level. It is generally considered to be representing the background or ambient level of a noise environment.
- For a varying sound, L<sub>10</sub> is greater than L<sub>50</sub> which in turn is greater than L<sub>90</sub>.

## **2 OBJECTIVES**

The ambient noise quality was monitored during Diwali-2022 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 18<sup>th</sup> October (Pre-Diwali), 24<sup>th</sup> October (on Diwali) and 26<sup>th</sup> October 2022 (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 2022**

<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 24<sup>th</sup> October 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 18<sup>th</sup> October, the highest noise level during day time was observed at Matunga with 81.2 dB(A) and during night time was observed at Colaba with 83.1dB(A). On the day of Laxmi poojan i.e. on 24<sup>th</sup> October, the equivalent noise level during day time was observed highest at Sion with 83.6dB(A) and at Prabhadevi with 80.8dB(A) during night time. On the day of Post Diwali, 26<sup>th</sup> October, the equivalent noise level during day time was observed at Matunga with 84.3dB(A) and during night time at Mahim with 74.8dB(A).

**Table 4.1: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Mumbai**

Pre-Diwali (18 <sup>th</sup> October 2022) – 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	74.9	57.9	89.0	76.2	71.5	62.8	83.1	62.0	95.2	85.0	74.3	62.3
Mantralaya	74.7	60.1	80.0	77.5	74.0	70.2	63.5	40.3	74.6	68.2	53.9	41.5
Mazgaon	67.9	49.5	78.3	70.1	64.7	58.7	60.4	50.0	70.1	65.2	57.1	51.8
Girgaon	74.7	54.1	86.4	78.6	70.2	63.8	54.8	40.3	64.3	59.2	49.2	43.0
Worli	73.5	52.2	89.3	75.8	68.6	60.9	62.1	50.1	70.0	65.5	60.1	53.6
Prabhadevi	73.7	59.0	80.3	78.0	71.9	64.0	59.5	45.5	69.8	62.5	56.8	50.2
Mahim	71.5	44.5	83.2	74.9	67.2	58.1	63.1	51.2	73.9	66.0	60.1	54.8
Parel	72.8	51.5	83.1	77.6	69.1	57.1	62.2	47.5	74.5	66.1	54.1	48.8
Byculla	71.5	50.8	82.9	75.2	67.0	59.0	64.9	51.2	79.6	66.0	60.1	54.8
Dadar	78.6	55.8	88.5	81.3	76.1	69.4	63.7	40.8	76.5	68.4	55.9	51.0
Sion	78.0	55.5	88.9	81.9	72.3	64.9	62.0	54.4	68.5	64.7	60.5	56.6
Hindu Colony	74.7	53.2	88.2	79.3	67.7	59.2	55.6	46.7	67.5	56.7	51.8	47.9

Pre-Diwali (18 <sup>th</sup> October 2022) – 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>
Matunga	81.2	56.7	88.2	86.0	78.1	66.6	74.3	52.5	82.2	78.8	70.8	63.3
Kamathipura	72.4	43.1	83.3	76.8	68.0	55.6	60.4	50.0	70.3	64.4	56.5	51.2
Malabar Hills	77.3	56.6	85.7	81.1	74.7	66.8	73.0	57.9	83.1	76.3	65.9	59.8

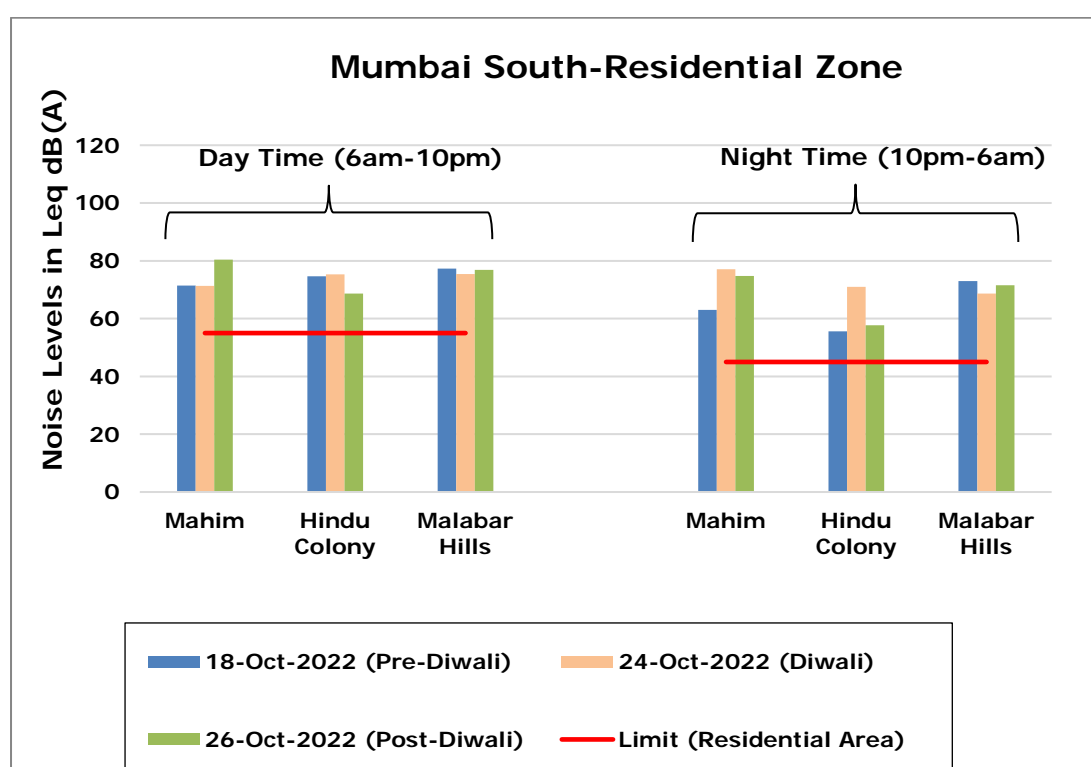
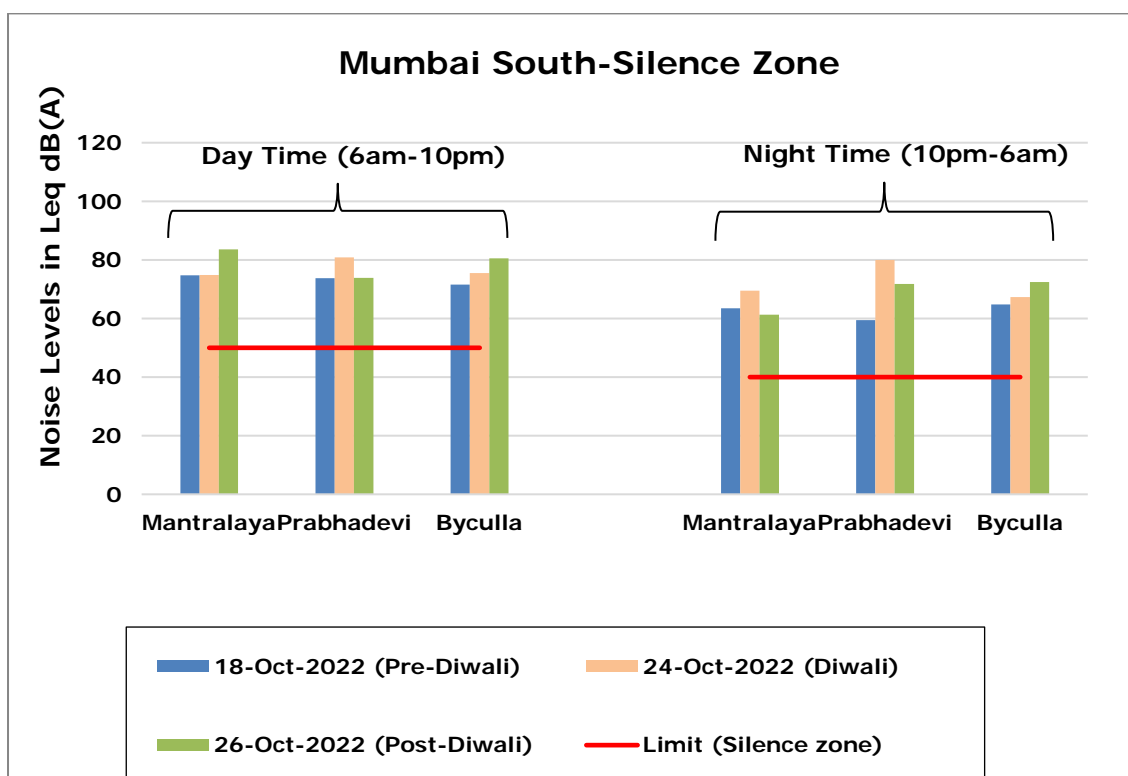
Diwali (24 <sup>th</sup> October 2022) – MUMBAI SOUTH												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Colaba	75.2	61.3	85.9	78.3	72.6	66.9	76.8	57.3	86.3	82.5	70.7	59.7
Mantralaya	74.9	56.5	79.5	78.1	73.5	65.9	69.5	47.7	79.2	75.4	59.3	50.9
Mazgaon	79.1	60.8	89.0	83.5	74.3	67.3	68.2	51.4	78.7	73.4	59.2	53.3
Girgaon	81.2	67.3	90.5	84.9	78.5	72.6	78.3	60.4	85.4	82.5	75.1	65.2
Worli	75.9	55.1	90.0	80.2	69.9	59.7	69.4	47.3	84.4	67.9	59.7	53.6
Prabhadevi	80.8	56.5	89.9	86.7	71.6	63.5	80.0	62.5	89.9	84.7	75.6	66.2
Mahim	71.4	44.5	89.1	71.7	66.3	59.1	77.1	60.4	85.4	82.4	70.1	65.2
Parel	77.6	63.8	85.1	81.0	75.9	69.1	65.4	47.2	75.1	68.8	59.3	52.1
Byculla	75.6	51.4	88.2	79.2	71.5	59.9	67.3	41.1	80.3	69.8	58.5	51.9
Dadar	82.0	62.7	89.5	86.4	78.5	71.3	77.9	50.5	87.5	84.3	65.8	56.5
Sion	83.6	60.1	94.4	87.5	78.9	68.1	65.1	51.6	75.9	68.1	61.6	54.7

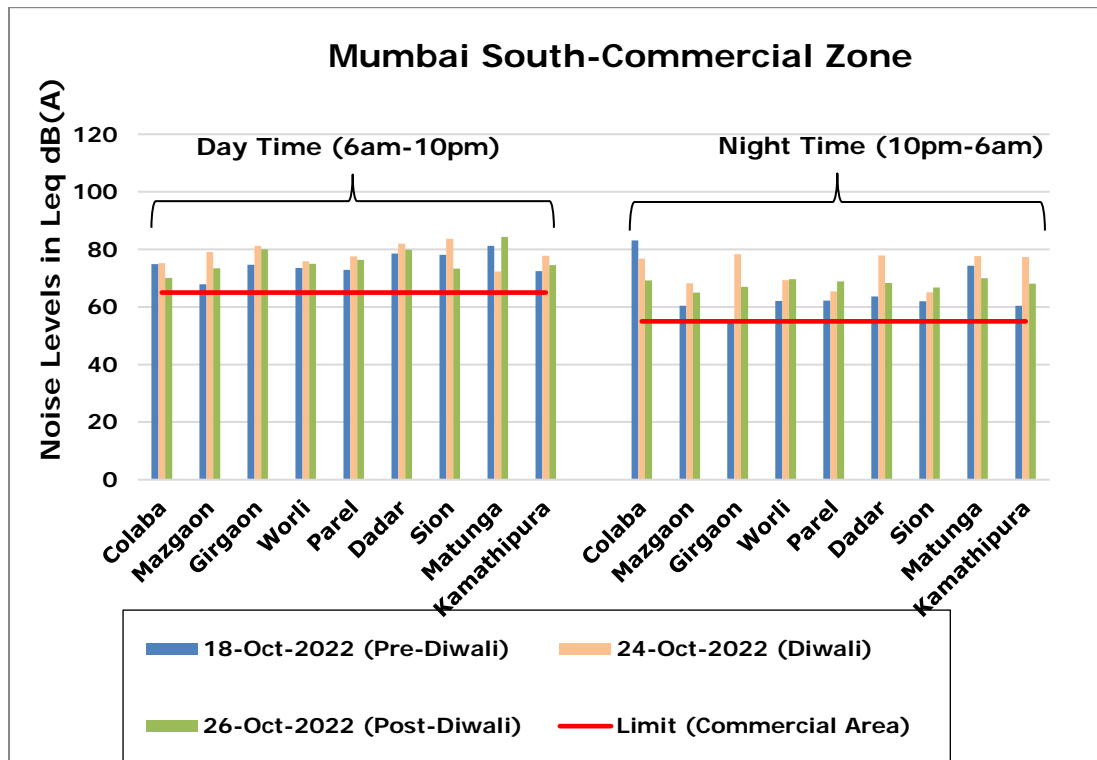
Diwali (24 <sup>th</sup> October 2022) – MUMBAI SOUTH												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Hindu Colony	75.4	55.7	87.2	79.0	69.7	62.9	71.0	55.7	85.9	72.2	63.0	56.8
Matunga	72.4	51.2	86.6	75.2	67.2	61.5	77.7	53.7	88.9	82.4	70.4	56.3
Kamathipura	77.7	59.5	90.3	81.0	70.7	62.7	77.3	50.6	89.5	81.4	65.5	55.2
Malabar Hills	75.5	60.2	83.9	78.4	73.9	68.2	68.7	51.2	79.3	74.0	57.8	53.1

Post-Diwali (26 <sup>th</sup> October 2022) – 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	70.1	51.4	78.9	73.8	68.4	63.2	69.2	49.0	83.4	73.1	57.4	52.9
Mantralaya	83.6	60.1	94.4	87.5	78.9	68.1	61.3	47.5	72.7	64.7	55.9	51.6
Mazgaon	73.4	61.4	86.9	76.9	69.4	63.8	64.9	53.8	73.9	68.7	62.0	57.5
Girgaon	80.0	50.8	89.5	84.6	75.6	61.4	67.0	52.3	79.8	70.4	60.2	54.8
Worli	75.0	52.7	86.7	80.0	69.9	60.0	69.6	42.4	81.2	73.1	59.9	51.1
Prabhadevi	73.8	63.2	81.9	77.8	71.7	65.8	71.8	45.7	85.2	76.0	57.5	50.1
Mahim	80.4	52.2	86.7	83.7	79.5	72.2	74.8	52.4	85.9	79.3	65.2	54.3
Parel	76.3	61.1	85.7	80.3	73.1	67.4	68.8	49.0	79.4	73.4	57.6	52.9
Byculla	80.6	52.2	87.5	83.7	79.5	71.8	72.4	52.4	82.5	77.6	64.4	55.6
Dadar	79.9	54.8	89.9	84.7	74.7	64.9	68.4	41.1	80.1	73.1	59.7	51.0

Post-Diwali (26 <sup>th</sup> October 2022) – 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>
Sion	73.4	59.6	86.1	76.5	69.2	63.9	66.7	54.3	81.5	68.3	63.0	57.0
Hindu Colony	68.7	54.7	78.5	72.1	67.2	61.7	57.7	44.6	70.1	61.9	50.8	46.8
Matunga	84.3	64.0	90.8	88.6	81.4	68.2	70.0	49.0	79.7	76.5	59.8	54.2
Kamathipura	74.6	54.5	87.6	78.7	70.3	61.7	68.1	51.9	75.4	70.6	65.4	56.2
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-2022 in Mumbai South





### 4.1.2 Mumbai Western Suburbs

In Mumbai Western Suburbs, a total of fifteen locations were monitored. On 18<sup>th</sup> October, the highest equivalent noise level during day and night time both was observed at Kandivali (east) with 79.1dB(A) and 70.6dB(A). On 24<sup>th</sup> October, the highest equivalent noise level during day and night time was observed at Goregaon with 83.7dB(A) and 79.6dB(A) respectively. However, on 26<sup>th</sup> October, the highest equivalent noise level during day and night time was observed at Kandivali east with 85.3 dB(A) and 76.8dB(A).

**Table 4.1.1: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Mumbai**

Pre-Diwali (18 <sup>th</sup> October 2022) – 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	77.3	61.0	85.1	79.9	76.5	69.1	63.1	44.9	73.5	68.6	52.5	47.0
Santacruz (E)	70.9	55.1	78.8	75.0	69.1	61.8	59.4	45.5	70.0	63.3	54.0	47.4
Vile Parle	68.0	54.3	73.8	71.3	67.1	59.0	62.3	55.2	67.3	65.4	61.5	56.7
Bandra	77.3	52.3	89.8	78.5	72.7	64.7	62.0	52.6	69.7	65.5	60.2	56.1
Goregaon	68.8	54.3	81.5	70.9	66.5	57.9	59.8	50.7	68.3	63.8	57.6	53.1
Jogeshwari	68.1	54.7	80.0	71.4	64.1	57.9	61.8	50.3	70.3	64.7	59.3	56.3
Versova	66.7	52.3	75.7	70.4	63.9	58.2	70.3	49.2	88.5	65.6	61.0	55.2
Marve	67.5	47.3	75.5	71.6	63.7	57.4	62.6	50.2	72.3	65.9	60.1	55.1
Borivali East	68.2	52.1	83.6	71.1	64.6	58.0	63.0	50.5	76.3	65.1	59.2	55.2
Borivali West	68.8	48.2	80.1	72.3	64.1	56.2	58.3	50.2	68.7	60.1	56.0	51.3
Dindoshi	70.1	51.7	88.6	71.7	63.9	58.1	61.8	51.3	70.3	65.6	59.0	54.9
Kandivali (E)	79.1	60.9	89.0	82.6	75.3	65.9	70.6	51.4	80.7	75.0	65.1	57.9
Dahisar (E)	67.8	42.0	80.5	70.5	63.1	56.7	61.5	50.1	70.3	64.9	56.7	51.8



**Pre-Diwali (18<sup>th</sup> October 2022) – 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>
Juhu	77.4	50.2	90.8	80.2	66.8	55.9	64.0	47.9	79.4	66.7	58.3	50.9
Malad (W)	66.9	54.4	75.4	70.9	63.9	57.4	62.9	51.2	72.3	67.2	59.2	52.3

**Diwali (24<sup>th</sup> October 2022) – MUMBAI WESTERN SUBURBS**

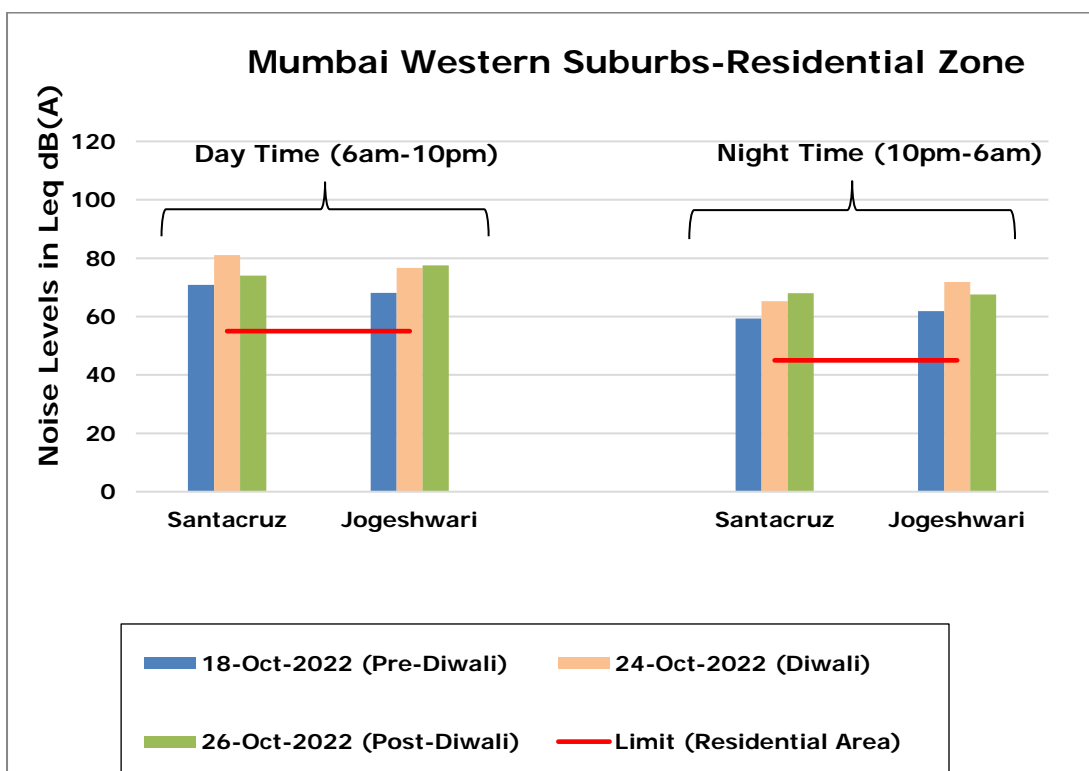
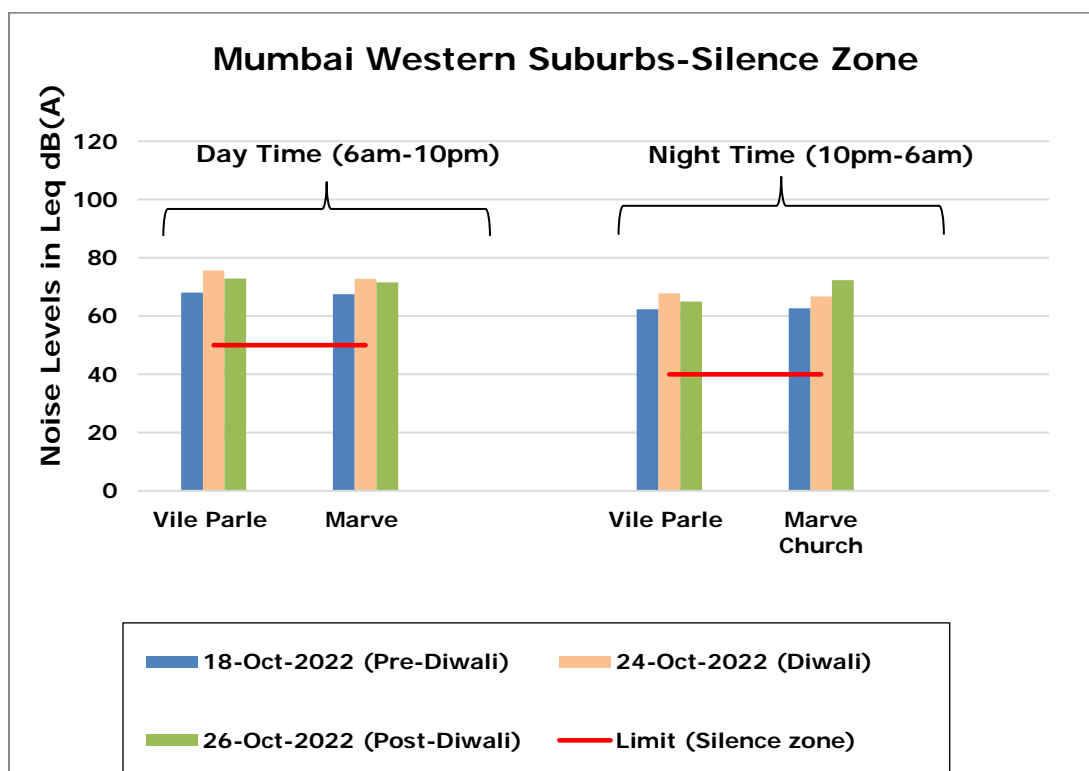
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Sahar	76.7	60.3	83.3	79.6	75.8	69.1	63.3	44.9	73.5	68.6	52.7	46.9
Santacruz (E)	81.1	55.9	92.5	85.5	75.1	65.2	65.2	44.9	78.2	69.1	52.1	46.5
Vile Parle	75.6	60.1	82.9	79.3	73.5	67.8	67.9	51.2	78.4	73.5	59.2	53.0
Bandra	77.0	53.8	89.9	79.3	70.1	62.8	79.2	62.7	89.0	82.3	76.2	69.4
Goregaon	83.7	61.8	97.9	87.4	80.0	74.3	79.6	63.3	87.7	83.7	76.6	68.5
Jogeshwari	76.6	51.0	89.5	80.1	71.7	61.4	71.9	50.4	81.5	76.0	68.3	57.3
Versova	77.7	56.5	89.9	81.2	73.3	65.6	71.2	50.1	81.0	75.4	61.6	58.2
Marve	72.8	52.4	84.2	75.9	69.6	61.3	66.7	55.0	80.1	69.3	61.4	58.2
Borivali East	71.6	53.8	85.3	74.1	68.9	60.8	68.8	52.9	78.9	70.9	66.8	60.9
Borivali West	76.9	55.7	85.7	81.2	71.6	63.9	70.3	56.8	81.9	71.9	67.6	58.2
Dindoshi	73.1	49.7	85.1	75.7	68.7	61.7	64.8	54.2	72.7	69.1	61.2	57.2
Kandivali (E)	83.6	59.1	94.4	87.4	79.4	68.1	60.6	45.1	68.4	65.7	55.4	47.3

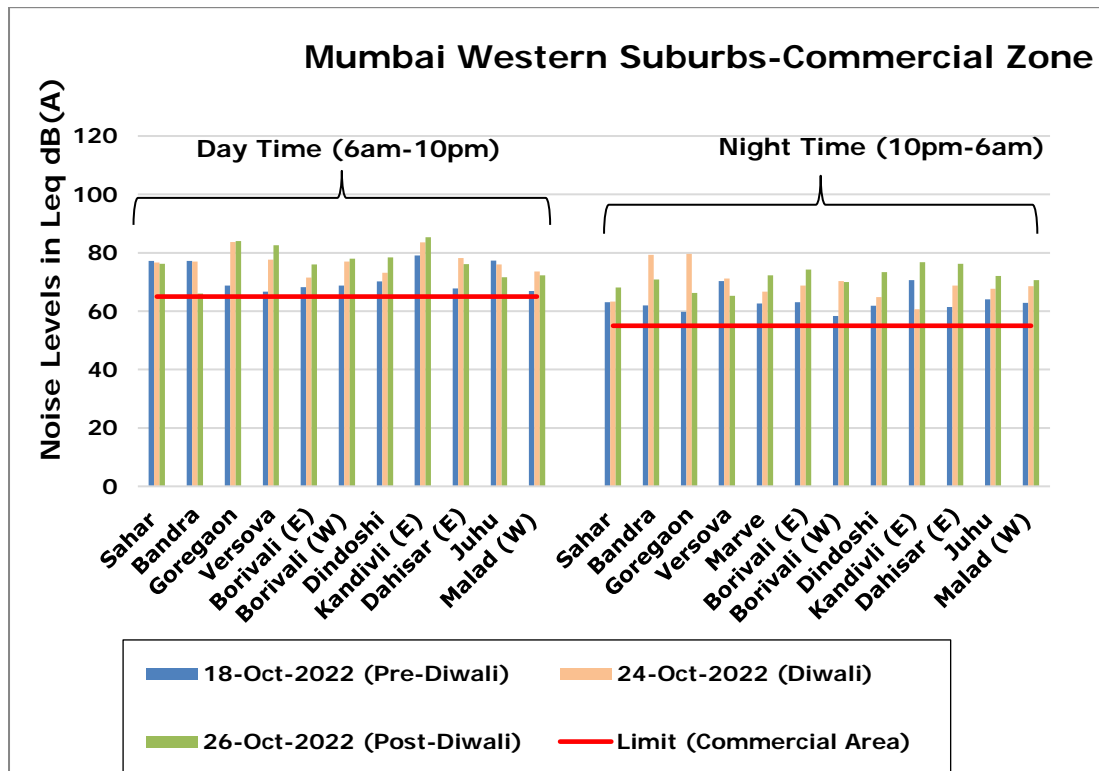
Diwali (24 <sup>th</sup> October 2022) – MUMBAI WESTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Dahisar (E)	78.2	55.5	89.9	80.1	71.3	64.4	68.7	54.7	80.9	70.6	61.9	58.1
Juhu	76.0	50.0	85.4	82.4	65.9	53.2	67.7	47.2	84.6	67.7	58.1	50.8
Malad (W)	73.6	51.0	85.6	76.8	69.2	58.9	68.6	55.7	80.1	70.3	67.2	59.1

Post-Diwali (26 <sup>th</sup> October 2022) – 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	67.4	82.3	79.5	74.6	69.9	68.1	50.5	78.1	72.2	62.9	57.0
Santacruz (E)	74.0	49.9	82.7	78.3	70.6	62.6	68.0	44.4	80.0	71.3	55.5	46.9
Vile Parle	72.8	59.3	83.8	75.3	69.9	63.8	65.0	53.4	73.6	68.6	62.6	56.9
Bandra	66.1	47.5	77.4	70.2	61.7	53.2	70.9	54.3	79.7	76.7	65.4	57.9
Goregaon	84.0	62.9	91.8	87.7	82.8	67.3	66.2	52.8	77.3	69.3	60.3	56.2
Jogeshwari	77.6	52.5	96.1	76.8	69.2	63.2	67.5	54.9	77.2	70.2	63.2	59.7
Versova	82.6	58.2	98.3	83.2	70.4	63.3	65.2	50.9	79.3	68.3	59.7	52.4
Marve	71.6	58.9	80.2	75.0	69.2	63.4	72.3	40.4	81.3	77.3	59.7	46.3
Borivali East	76.0	53.0	87.3	79.4	70.7	62.1	74.3	56.4	86.7	77.9	67.9	61.2
Borivali West	77.9	59.1	89.7	82.4	71.6	64.3	69.9	45.5	81.4	74.3	64.0	51.5
Dindoshi	78.4	54.1	87.3	82.2	72.9	62.0	73.4	56.4	86.7	75.5	68.8	60.8

Post-Diwali (26 <sup>th</sup> October 2022) – 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)	85.3	45.1	97.3	88.2	74.0	60.2	76.8	56.6	88.6	79.1	68.2	60.1
Dahisar (E)	76.1	56.0	87.8	79.2	70.5	63.8	76.2	56.9	89.7	78.8	69.8	60.1
Juhu	71.7	49.2	83.1	76.2	64.1	53.1	72.0	42.1	83.3	74.1	61.2	51.0
Malad (W)	72.3	43.7	83.1	76.0	70.0	62.0	70.6	54.7	79.6	74.1	68.6	63.3

**Chart 4.1.2: Ambient Noise Levels during Diwali Festival - 2022 in Mumbai Western Suburbs**





### 4.1.3 Mumbai Eastern Suburbs

In Mumbai Eastern Suburbs, a total of fifteen locations were monitored. On 18<sup>th</sup> October, the highest equivalent noise level during day time was observed at Wadala with 83.9dB(A) and during night time was observed at Ghatkopar west with 76.5dB(A). On 24<sup>th</sup> October, the highest equivalent noise level during day as well as night time was observed at Ghatkopar East with 89dB(A) and 80.8dB(A) respectively. However, on 26<sup>th</sup> October, the highest equivalent noise level during day time was observed at Wadala with 83.9 dB(A) and during night time was observed at Sewree with 74.1dB(A).

**Table 4.1.3: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Mumbai**

Pre-Diwali (18 <sup>th</sup> October 2022) – MUMBAI EASTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	Leq	Lmin	Lmax	L10	L50	L90	Leq	Lmin	Lmax	L10	L50	L90
<b>Chembur (E)</b>	70.7	51.8	79.1	75.6	67.4	59.0	70.3	49.2	88.5	65.6	61.0	55.2
<b>Trombay</b>	79.3	57.3	89.5	83.9	73.7	65.9	62.3	54.7	69.7	65.3	61.0	56.8
<b>Kurla</b>	77.0	51.1	89.7	79.9	70.4	59.6	60.6	50.9	70.1	64.0	57.2	51.8
<b>Ghatkopar East</b>	83.2	62.1	98.5	86.8	75.7	67.4	73.1	47.3	85.9	76.9	62.5	55.6
<b>Ghatkopar West</b>	77.0	62.3	88.2	81.3	73.7	66.2	76.5	52.4	89.0	79.2	73.4	63.0
<b>Mulund East</b>	71.7	62.1	79.6	75.4	69.8	65.5	61.6	44.2	69.2	65.3	60.8	48.1
<b>Mulund West</b>	70.4	54.5	78.5	74.2	68.4	60.2	67.5	41.2	78.4	71.4	58.3	51.3
<b>Sakinaka</b>	69.0	53.4	75.8	72.9	66.8	58.3	62.2	55.7	70.0	65.3	60.6	56.7
<b>Powai</b>	67.9	56.0	74.6	71.2	66.7	59.8	61.1	55.0	68.1	64.2	58.7	55.3
<b>Wadala</b>	83.9	62.1	89.8	87.4	82.4	68.1	61.9	54.6	69.1	64.3	60.6	57.6
<b>Dharavi</b>	68.6	55.2	75.7	72.1	67.0	59.3	61.1	55.0	68.1	64.2	58.7	55.3

Pre-Diwali (18 <sup>th</sup> October 2022) – 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	76.2	60.3	85.7	80.3	72.3	65.4	62.3	54.7	69.7	65.3	61.0	57.1
Kalina	69.7	54.0	79.4	73.2	67.1	58.8	71.9	42.5	82.7	76.7	61.6	51.4
Vikhroli (W)	71.6	55.7	84.1	72.4	68.6	63.3	61.8	54.7	69.9	64.6	60.7	56.6
Bhandup (W)	75.9	51.7	85.2	79.4	73.4	67.2	64.2	41.4	73.7	68.5	58.9	48.1

Diwali (24 <sup>th</sup> October 2022) – 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)	83.6	60.1	94.4	87.5	78.9	68.1	64.1	47.9	79.4	66.7	58.4	51.0
Trombay	79.0	55.6	95.3	81.6	71.1	62.1	80.5	60.4	95.4	84.3	73.2	63.8
Kurla	81.1	54.1	94.1	86.4	73.6	61.0	71.1	50.5	81.4	75.4	62.4	56.4
Ghatkopar East	89.0	65.6	103.2	91.3	77.4	69.2	80.8	63.6	88.7	85.9	76.3	71.6
Ghatkopar West	80.9	60.3	89.7	85.9	75.9	68.9	79.4	60.9	89.2	83.7	76.0	69.0
Mulund East	74.7	60.8	82.2	78.8	72.4	66.3	71.4	46.6	81.2	76.9	60.7	49.5
Mulund West	75.6	66.2	82.4	78.5	75.2	69.7	71.0	52.1	79.5	76.5	60.4	54.7
Sakinaka	75.3	61.0	83.2	78.9	73.6	67.5	68.5	51.2	77.9	74.0	58.7	52.8
Powai	75.7	61.5	83.4	78.6	73.7	67.4	69.0	51.8	78.9	74.5	59.0	53.3

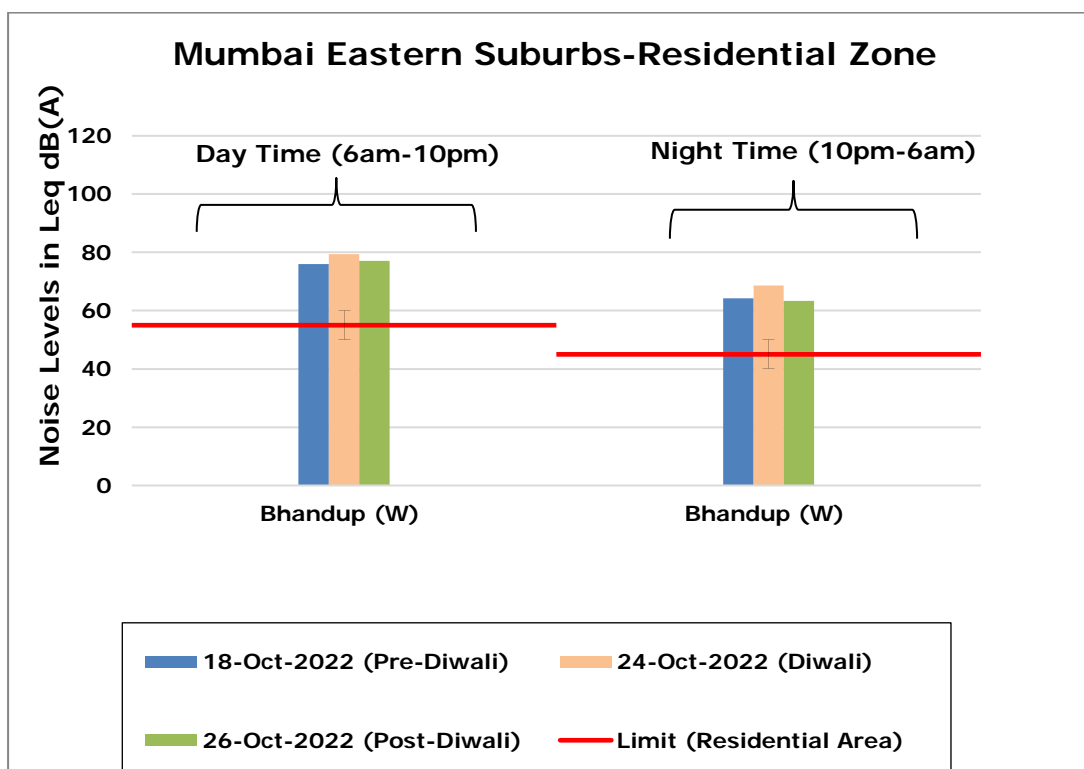
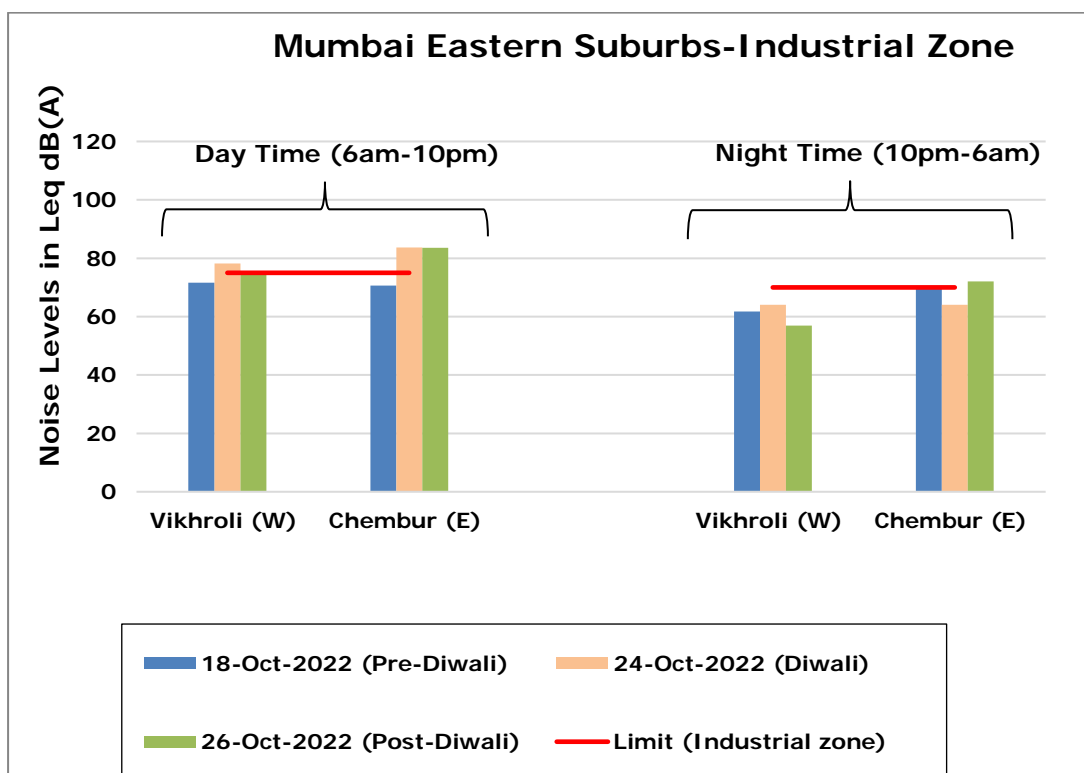
Diwali (24 <sup>th</sup> October 2022) – MUMBAI EASTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Wadala	83.7	61.9	90.2	87.7	81.7	68.7	61.3	53.9	68.0	65.2	58.7	55.2
Dharavi	75.4	60.8	82.9	78.9	73.1	67.1	68.3	51.4	78.7	73.4	59.7	54.3
Sewree	82.3	53.5	95.5	84.7	72.0	62.5	78.5	60.8	88.6	82.8	72.6	62.5
Kalina	75.3	60.5	83.5	78.8	73.4	67.3	68.3	51.1	77.5	74.3	58.4	52.8
Vikhroli (W)	78.2	51.3	89.2	81.6	74.0	62.9	64.1	47.9	79.4	66.7	58.4	51.0
Bhandup (W)	79.3	52.3	98.4	78.9	74.5	63.5	68.6	52.1	77.8	74.9	57.9	54.1

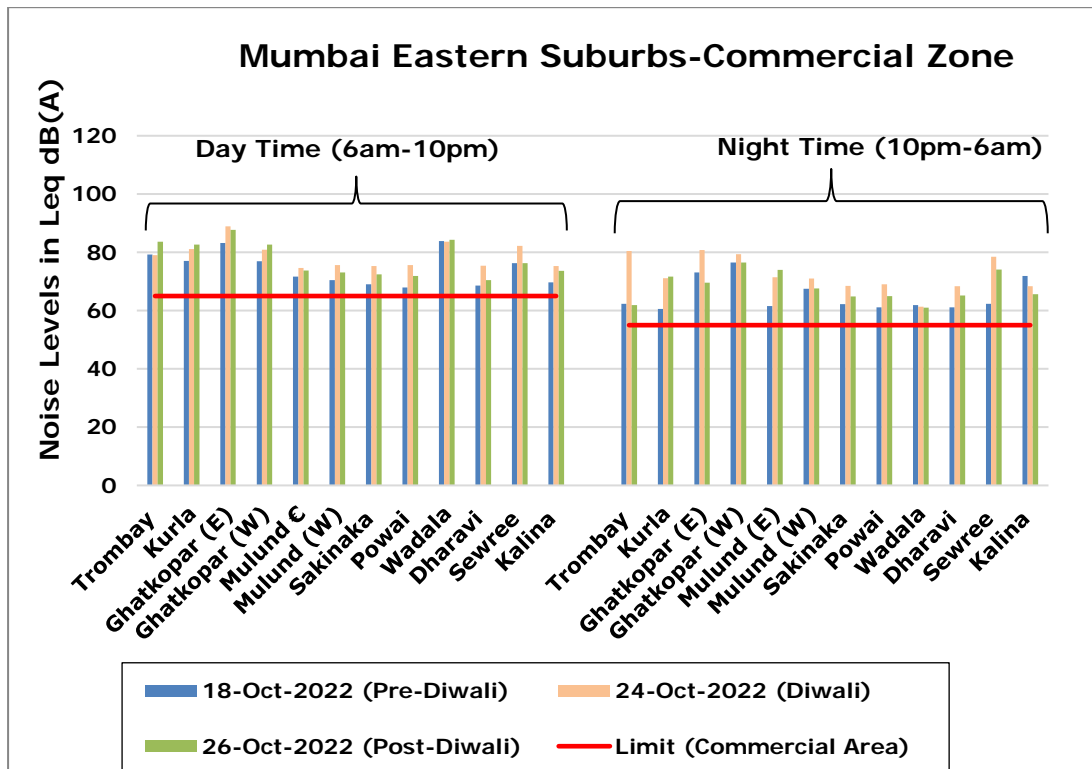
Post-Diwali (26 <sup>th</sup> October 2022) – MUMBAI EASTERN SUBURBS												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Chembur (E)	83.5	60.2	94.4	87.5	78.9	68.3	72.1	42.1	83.3	74.1	61.2	51.0
Trombay	83.6	60.2	94.4	87.5	78.9	68.4	61.8	51.3	70.3	65.6	59.0	54.9
Kurla	82.7	35.6	99.7	82.3	62.1	47.2	71.6	52.0	82.6	75.3	64.2	56.8
Ghatkopar East	87.7	54.1	99.7	89.9	73.8	64.9	69.6	38.3	84.2	71.3	55.3	42.9
Ghatkopar West	82.6	55.7	89.8	87.6	78.9	71.0	76.5	59.9	89.3	79.2	71.5	64.9
Mulund East	73.8	60.5	82.2	77.4	71.3	64.7	74.0	45.6	83.3	79.2	64.4	48.8
Mulund West	73.1	63.9	79.1	76.4	71.5	65.9	67.6	54.3	76.2	73.1	63.7	57.4



Post-Diwali (26 <sup>th</sup> October 2022) – 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	72.5	59.0	83.6	74.9	69.9	64.1	64.8	53.7	71.9	69.4	62.8	55.7
Powai	71.9	59.5	85.2	74.8	69.5	63.5	65.0	54.1	73.6	68.9	62.2	57.5
Wadala	84.3	62.3	90.8	88.6	82.1	67.3	61.1	55.0	68.1	64.2	58.3	55.3
Dharavi	70.5	60.0	77.7	73.9	68.7	62.5	65.1	53.8	73.6	68.3	62.5	56.8
Sewree	76.3	60.3	88.5	79.9	72.2	62.8	74.1	44.5	88.8	78.8	63.3	50.2
Kalina	73.7	59.8	86.5	75.7	69.6	64.7	65.6	53.7	73.9	69.2	62.3	56.2
Vikhroli (W)	74.6	55.8	88.3	78.3	68.0	61.3	56.9	47.5	65.0	60.3	54.4	49.7
Bhandup (W)	77.1	61.9	82.8	81.0	76.2	68.4	63.4	51.9	76.9	66.5	58.2	53.9

**Chart 4.1.3: Ambient Noise Levels during Diwali Festival - 2022 in Mumbai**  
**Eastern Suburbs**





## 4.2 Navi Mumbai

In Navi Mumbai, a total of nine locations were monitored. On 18<sup>th</sup> October, the equivalent noise level during day as well night time was observed highest at Vashi Sector-15 with 78.6 dB(A) and 73dB(A) respectively. On the day of Laxmi poojan i.e. on 24<sup>th</sup> October, the highest equivalent noise level during day time was observed at Nerul (sector-11) with 84.5dB(A) and during the night time was observed at CBD (Sector-6) with 86.9dB(A). On 26<sup>th</sup> October Nerul Sector-11 with 83.7dB(A) was loudest during day time and during night time Ghansoli with 76.7dB(A) was with highest equivalent noise level.

**Table 4.2: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Navi Mumbai**

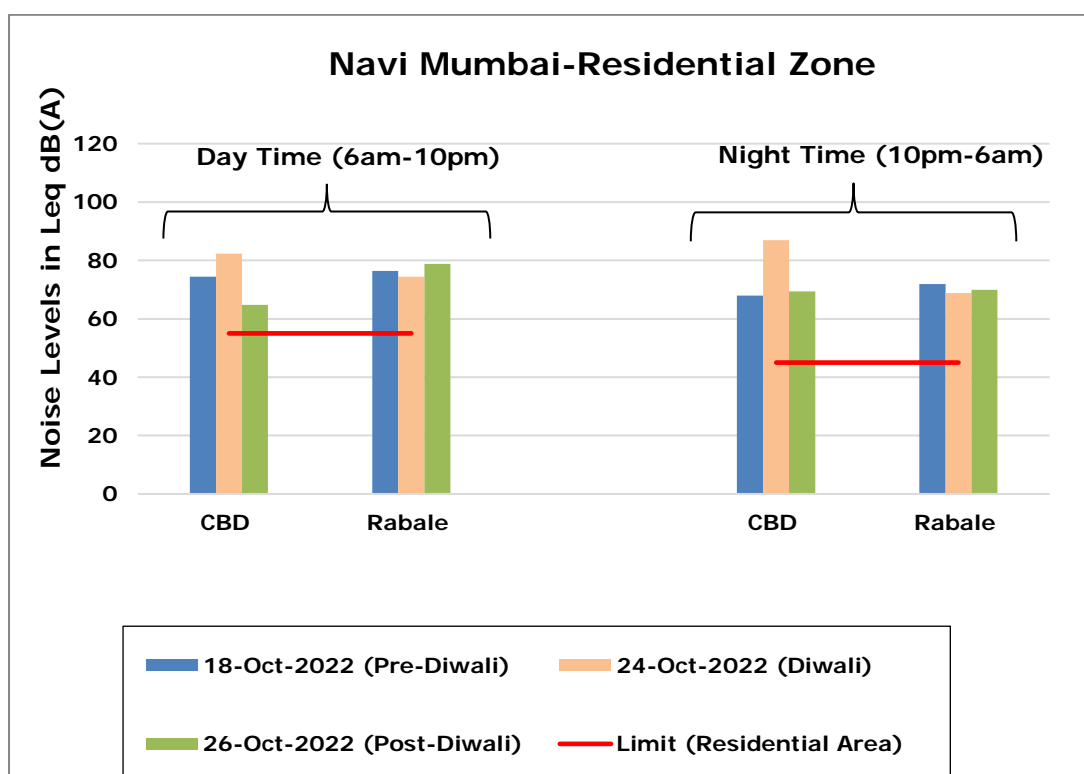
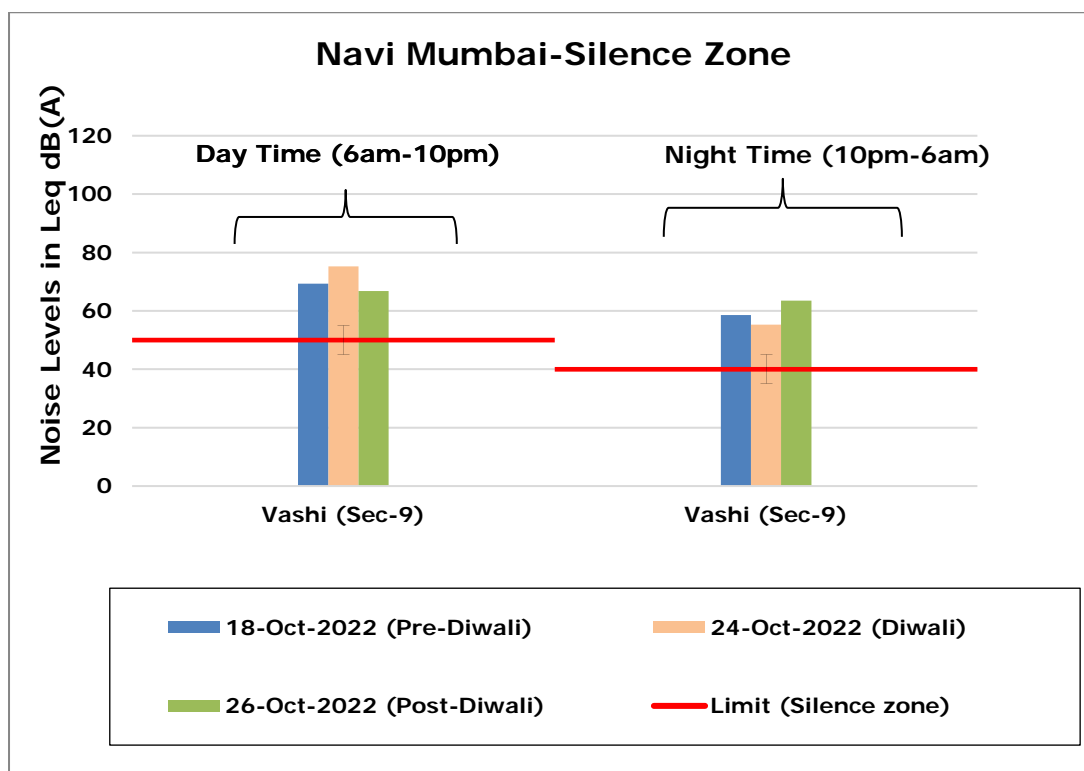
Pre-Diwali (18 <sup>th</sup> October 2022)-Navi Mumbai												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBD (Sec – 6)	74.4	61.2	81.1	77.9	72.7	64.3	68.0	60.2	76.3	72.1	63.4	61.2
Nerul (Sec – 11)	73.4	50.2	82.5	77.8	70.3	59.5	66.4	47.3	76.4	70.0	61.1	51.2
Vashi (Sec-1)	71.8	45.4	87.6	75.2	66.1	57.1	64.2	41.4	73.7	69.1	58.5	46.0
Vashi (Sec-9)	69.3	56.1	76.8	73.5	65.3	58.8	58.5	45.1	67.1	62.3	56.0	48.8
Vashi (Sec – 15)	78.6	47.4	87.1	82.4	75.8	63.3	73.0	55.4	84.0	76.7	68.4	60.2
Kopar Khairne (Sec 10)	75.4	52.0	86.4	79.4	70.8	60.8	70.5	50.5	79.9	75.1	62.4	57.4
Airoli	68.8	43.0	84.7	71.0	63.4	54.6	62.2	54.1	69.7	65.6	60.3	56.4
Rabale - Village	76.4	52.9	89.0	80.3	70.3	63.1	71.9	48.2	84.2	76.4	58.7	51.5
Ghansoli	77.3	60.9	89.8	80.8	74.5	70.4	61.8	45.4	69.9	65.2	58.7	48.5

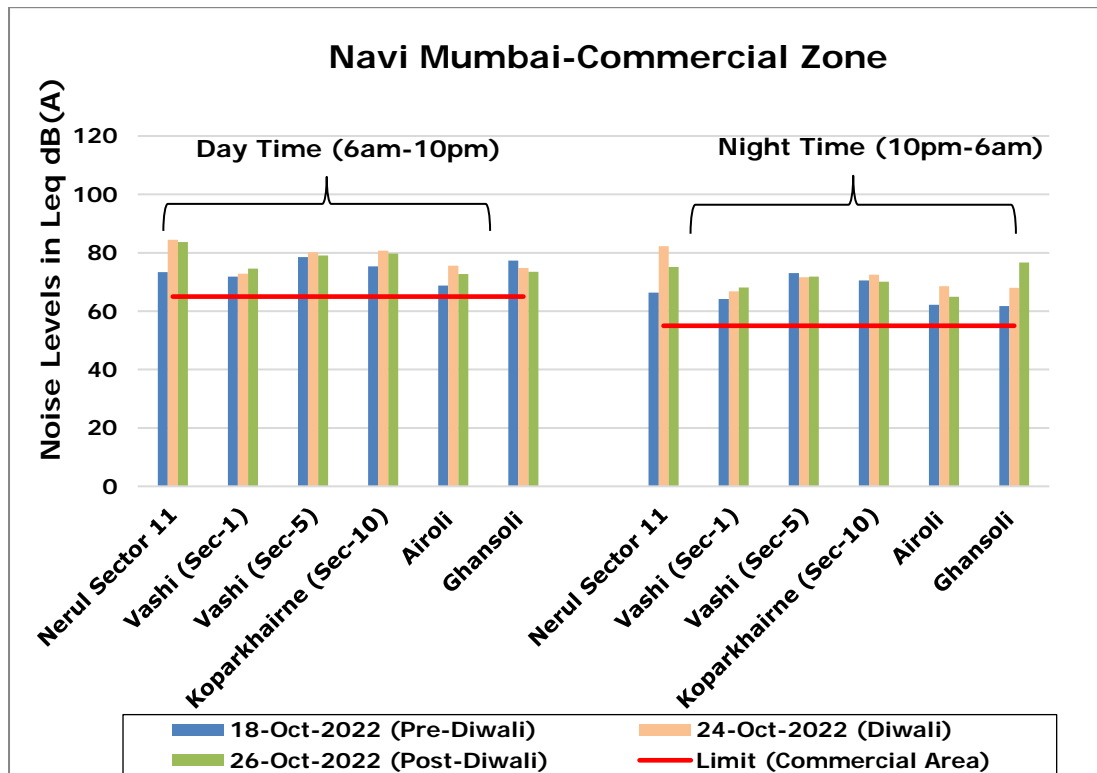
Diwali (24 <sup>th</sup> October 2022)- Navi Mumbai												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBD (Sec – 6)	82.3	60.0	99.9	88.9	69.3	62.2	86.9	60.1	99.0	89.5	66.5	61.5
Nerul (Sec – 11)	84.5	50.8	98.1	87.3	70.7	57.5	82.3	8.4	92.7	86.5	72.4	60.5
Vashi (Sec- 1)	72.8	51.8	86.2	76.4	69.6	62.1	66.8	51.9	80.1	69.2	61.3	57.5
Vashi (Sec- 9)	75.3	48.6	96.6	70.2	62.3	55.4	55.3	33.0	66.3	58.5	51.7	48.2
Vashi (Sec – 15)	80.2	62.3	88.9	83.2	79.1	70.6	71.6	52.0	82.6	75.3	63.8	56.8
Kopar Khairne (Sec 10)	80.7	63.4	87.5	84.2	79.5	72.1	72.6	53.0	82.5	77.6	64.9	58.0
Airoli	75.6	60.2	83.9	78.9	73.5	67.1	68.5	51.2	78.0	74.0	58.4	53.5
Rabale - Village	74.4	62.2	81.1	77.6	73.3	68.2	68.9	52.4	78.0	73.5	62.6	56.4
Ghansoli	74.8	56.5	79.5	78.1	73.5	67.1	68.1	47.7	80.8	70.9	58.7	50.9

Post-Diwali (26 <sup>th</sup> October 2022)- 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)	64.8	60.3	69.3	66.9	64.0	61.5	69.4	44.3	81.4	73.5	51.9	45.6
Nerul (Sec – 11)	83.7	56.4	90.8	88.2	80.1	67.3	75.1	55.1	86.4	78.1	64.1	55.9

Post-Diwali (26 <sup>th</sup> October 2022)- 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>
Vashi (Sec-1)	74.6	54.5	87.6	78.7	70.3	61.5	68.1	51.9	75.4	70.6	65.4	56.2
Vashi (Sec-9)	66.8	40.8	83.7	68.4	59.6	52.0	63.5	45.1	79.3	63.8	58.2	51.3
Vashi (Sec – 15)	79.1	55.4	89.0	83.4	74.5	65.2	71.9	50.3	83.7	76.3	63.5	55.7
Kopar Khairne (Sec 10)	79.7	53.8	86.2	83.2	78.8	70.0	70.1	50.1	79.4	74.5	64.0	58.4
Airoli	72.7	60.4	87.6	74.9	69.2	63.6	64.9	53.3	73.2	69.0	62.1	57.1
Rabale - Village	78.8	60.9	89.9	82.7	74.3	65.8	69.9	52.5	79.0	73.9	63.6	57.5
Ghansoli	73.5	50.2	82.1	78.4	69.8	57.1	76.7	59.3	82.1	79.9	76.7	69.4

Chart 4.2: Ambient Noise Levels during Diwali Festival - 2022 in Navi Mumbai







### 4.3 Thane

In Thane region, five locations were monitored for ambient noise levels during Diwali-2022. On 18<sup>th</sup> October, the highest equivalent noise level during day time was observed at Shiv mandir (78.9dBA) and at night time at Tembhi Naka (74.0dBA). On the day of Laxmi poojan i.e. on 24<sup>th</sup> October, Tembhi Naka was observed with the highest equivalent noise level during day (86.6dBA) as well as nighttime (82.1dBA). However, on 26<sup>th</sup> October, the highest noise level during day time was observed at Tembhi Naka with 74.2dB(A) and during night time at Gokhale Road with 69.2dB(A).

**Table 4.3: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Thane**

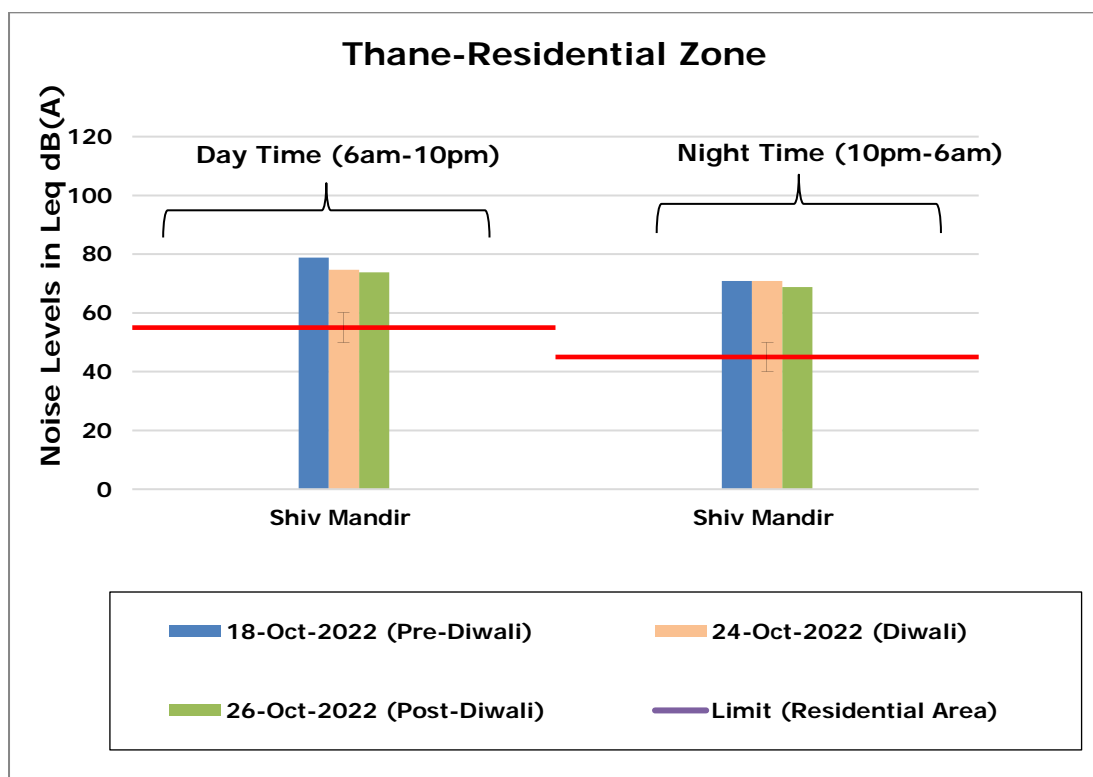
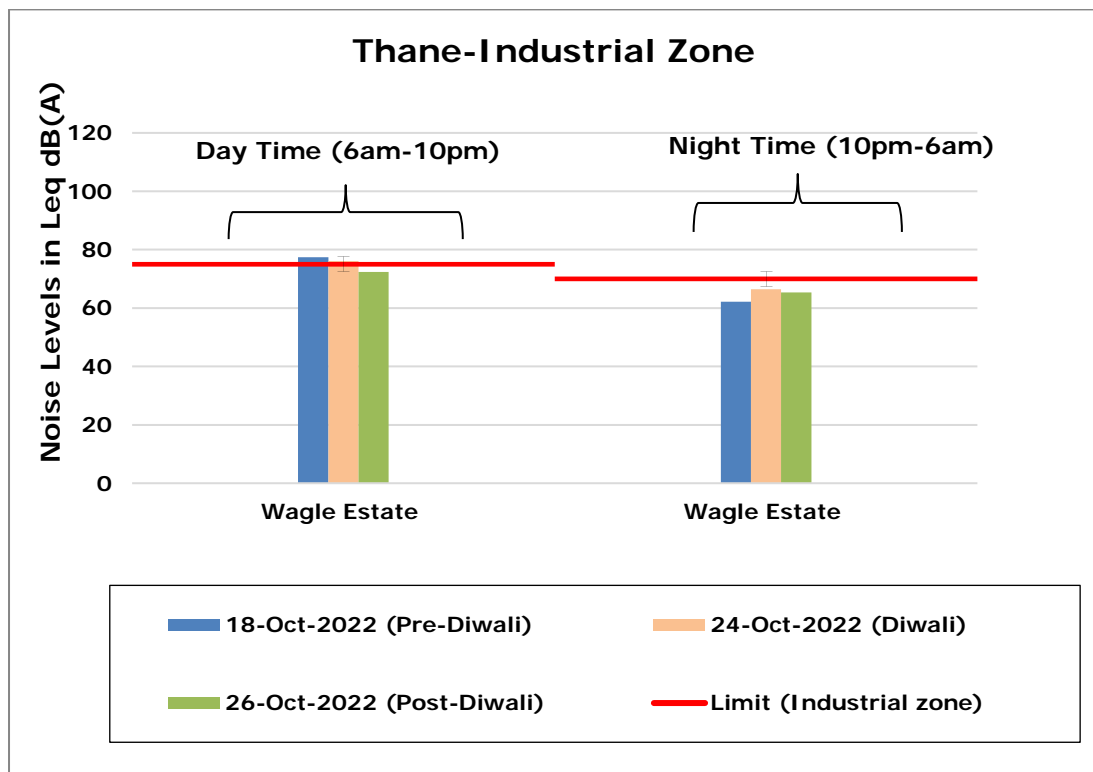
Pre-Diwali (18 <sup>th</sup> October 2022) - THANE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	Leq	Lmin	Lmax	L10	L50	L90	Leq	Lmin	Lmax	L10	L50	L90
Shiv Mandir	78.9	56.3	89.5	83.5	73.8	66.5	70.8	46.8	83.6	74.5	64.6	51.2
Tembhi Naka	78.7	45.2	96.3	73.4	66.0	57.2	74.0	57.0	81.7	78.4	70.4	60.9
Gokhale Road	71.5	51.4	87.1	74.5	68.4	63.7	69.2	49.0	83.4	73.1	57.1	51.5
Pokharan	75.3	51.1	88.8	80.5	69.0	60.9	61.3	50.1	70.3	64.1	56.7	51.8
Wagle Estate	77.4	44.7	89.8	79.6	69.8	59.8	62.2	50.0	68.4	65.4	61.0	55.8

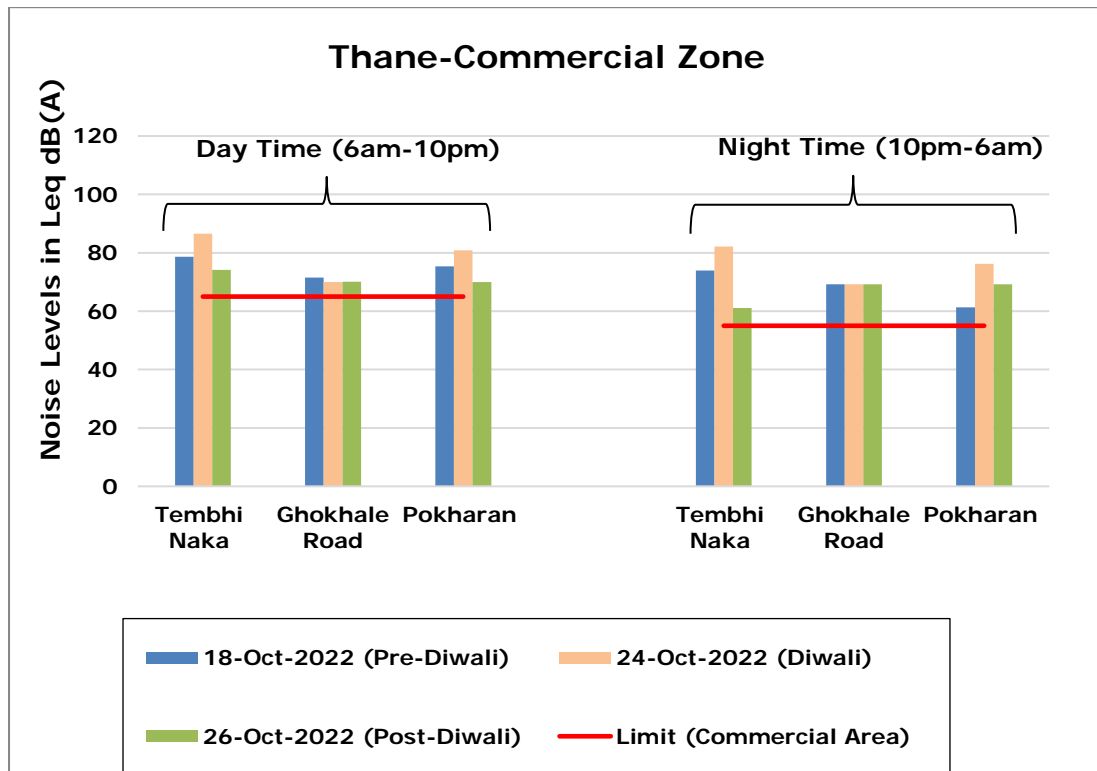
Diwali (24 <sup>th</sup> October 2022) - THANE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	Leq	Lmin	Lmax	L10	L50	L90	Leq	Lmin	Lmax	L10	L50	L90
Shiv Mandir	74.6	55.5	88.3	78.3	68.0	61.3	70.9	54.3	79.7	76.7	65.4	57.9

Diwali (24 <sup>th</sup> October 2022) - 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	86.6	42.1	99.1	89.0	68.1	54.1	82.1	54.7	96.4	76.2	64.9	61.5
Gokhale Road	70.0	51.4	77.4	73.8	68.2	63.2	69.2	49.0	83.4	73.1	57.4	53.0
Pokharan	80.9	59.1	89.6	85.5	77.5	66.7	76.2	55.0	88.4	81.6	63.2	58.6
Wagle Estate	76.0	56.1	87.4	79.9	71.3	60.9	66.5	55.0	77.8	70.8	58.9	55.3

Post-Diwali (26 <sup>th</sup> October 2022) - 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	73.8	55.2	88.3	78.0	66.8	60.0	68.8	50.3	79.0	70.9	63.3	55.3
Tembhi Naka	74.2	57.8	86.3	77.8	71.2	64.4	61.1	55.0	68.1	64.2	58.3	55.3
Gokhale Road	70.1	51.4	78.9	73.8	68.4	63.2	69.2	49.0	83.4	73.2	57.7	53.0
Pokharan	70.0	51.4	77.7	73.8	68.4	63.2	69.2	49.0	83.4	73.1	57.4	53.2
Wagle Estate	72.4	54.4	83.1	76.0	70.1	63.8	65.4	50.9	79.3	68.9	59.9	52.4

Chart 4.3: Ambient Noise Levels during Diwali Festival - 2022 in Thane





#### 4.4 Panvel

At Panvel, on the 18<sup>th</sup> and 26<sup>th</sup> of October, Kharghar Utsav Chowk was found to be the loudest during daytime. However, on the Laxmi Poojan Day i.e. on 24<sup>th</sup> October, Shivaji chowk was observed with the highest equivalent noise level both during daytime (82.9dBA) as well as nighttime (82.7dBA).

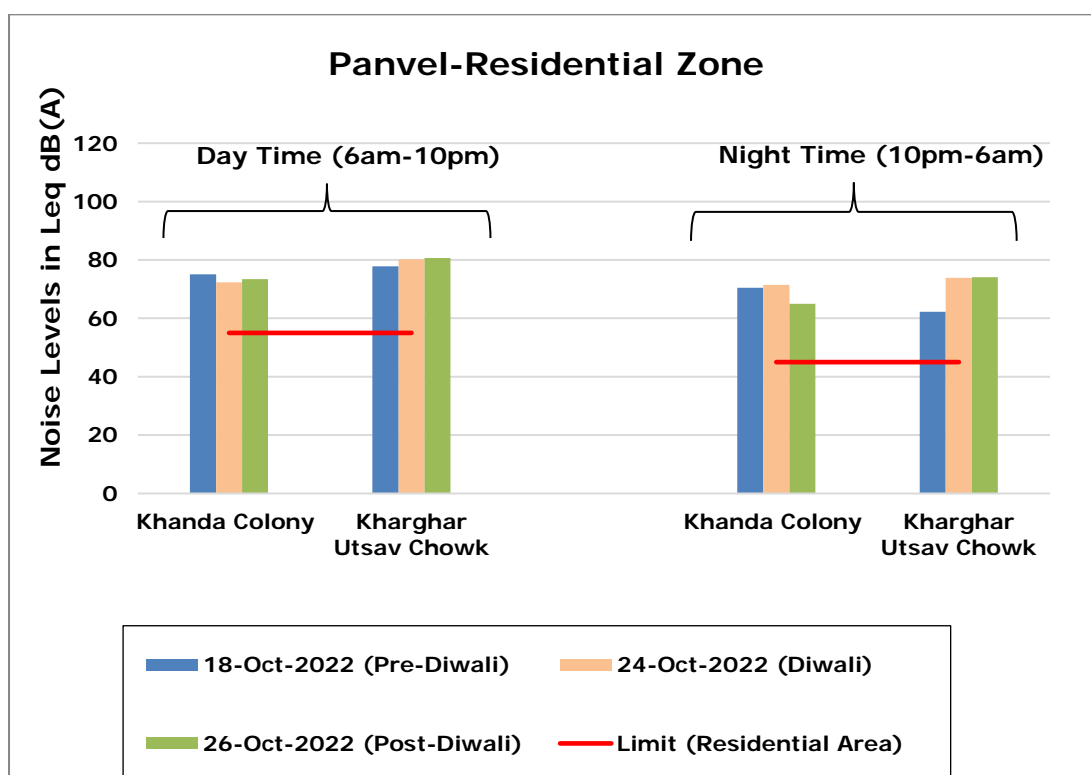
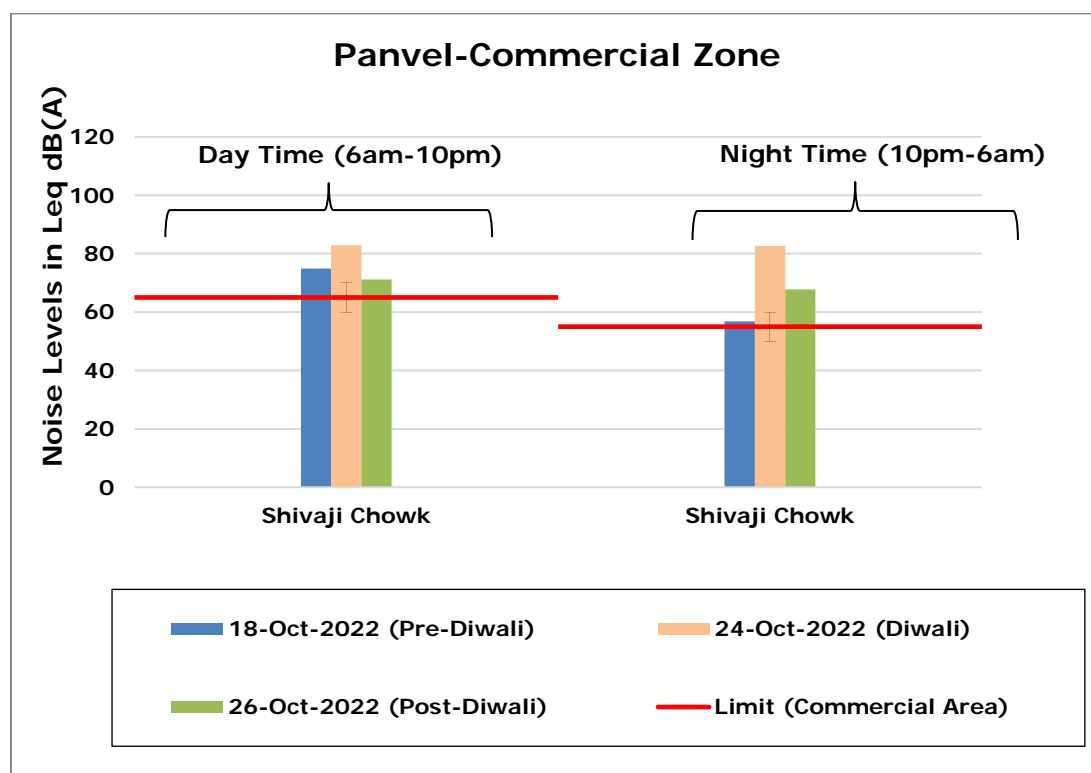
**Table 4.4: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Panvel**

Pre-Diwali (18 <sup>th</sup> October 2022) - 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	74.9	55.7	84.2	79.0	71.3	64.8	56.8	41.9	63.5	61.4	53.7	52.0
Khanda Colony	75.1	60.2	83.5	78.8	74.1	63.5	70.5	60.0	77.9	76.2	65.7	61.5
Kharghar Utsav Chowk	77.8	53.7	87.8	82.3	73.5	65.5	62.2	50.0	68.4	65.4	61.0	55.8

Diwali (24 <sup>th</sup> October 2022) - 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	82.9	59.5	99.5	80.0	70.7	64.9	82.7	51.1	101.5	71.6	58.7	56.2
Khanda Colony	72.3	60.1	79.8	76.4	69.9	62.2	71.4	60.3	80.1	76.6	65.4	61.9
Kharghar Utsav Chowk	80.2	54.5	89.6	86.5	74.0	61.1	73.8	60.1	86.6	77.6	65.5	62.2

Post-Diwali (26 <sup>th</sup> October 2022) - 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	71.1	53.4	79.1	74.3	70.2	63.4	67.7	52.3	78.6	71.0	63.2	57.3
Khanda Colony	73.4	61.4	86.9	76.9	69.4	63.8	64.9	53.8	73.9	68.7	62.0	57.5
Kharghar Utsav Chowk	80.6	53.6	89.9	85.6	75.4	63.6	74.1	60.1	85.6	76.8	65.4	62.4

Chart 4.4: Ambient Noise Levels during Diwali Festival – 2022 in Panvel



## 4.5 Pune

At Pune, a total of eleven locations were monitored. On 18<sup>th</sup> and 24<sup>th</sup> October, Laxmi Road road was observed with the highest levels of decibels. On 18<sup>th</sup> October during daytime, Laxmi road is observed with 81.8dB(A) and Shaniwarwada was observed with 65.5dB(A). On the day of Laxmi Poojan i.e. 24<sup>th</sup> October also, the similar trend of noise level was observed. On this day, during daytime, Laxmi road is observed with highest equivalent noise level with 87.7dB(A) and Shaniwarwada during nighttime with 76.5dB(A). However, on 26<sup>th</sup> October, the highest noise level during daytime was observed at Swargate with 81.9dB(A) at Karve Road and 63.1 dB(A) during nighttime at Swargate.

**Table 4.5.: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Pune**

Pre-Diwali (18 <sup>th</sup> October 2022) - 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	76.4	59.4	84.2	80.3	73.4	69.4	62.9	40.2	76.9	65.5	48.8	41.7
Karve Road	81.2	63.1	89.8	85.2	78.5	70.2	61.7	40.1	72.6	65.4	55.6	45.5
Satara Road	76.8	56.2	88.1	80.9	73.4	66.5	61.2	40.1	73.4	64.2	50.1	42.6
Swargate	77.9	50.4	88.0	81.0	76.4	70.5	64.4	40.1	74.6	70.1	57.5	46.2
Yerawada	70.6	57.3	79.2	73.1	70.1	62.8	61.7	40.1	73.4	66.1	48.8	41.9
Khadaki	76.0	60.9	84.0	79.9	74.1	69.2	61.4	40.3	72.4	65.4	54.2	44.1
Shaniwarwada	78.7	58.9	92.2	81.2	74.4	66.1	65.5	40.1	79.6	68.3	54.9	46.0
Laxmi Road	81.8	58.4	93.5	84.3	78.3	68.9	62.2	40.1	71.3	65.5	51.7	43.5
Saras Bag	76.9	55.2	88.1	80.4	72.7	65.4	61.5	40.2	74.3	62.6	49.8	41.2
Aundh gaon	77.1	60.4	87.4	81.1	74.1	66.4	55.8	40.1	71.3	58.2	47.3	41.2
University road	73.9	60.1	82.2	78.1	71.1	63.5	59.3	44.1	71.2	62.8	56.3	46.2

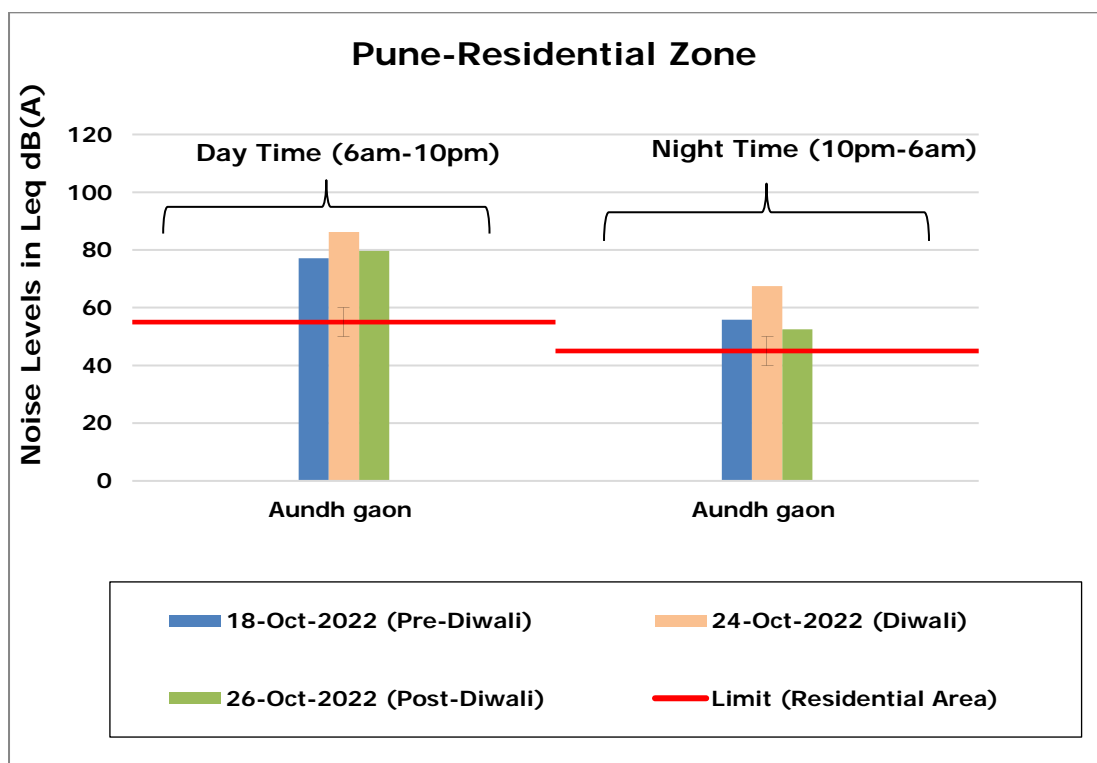
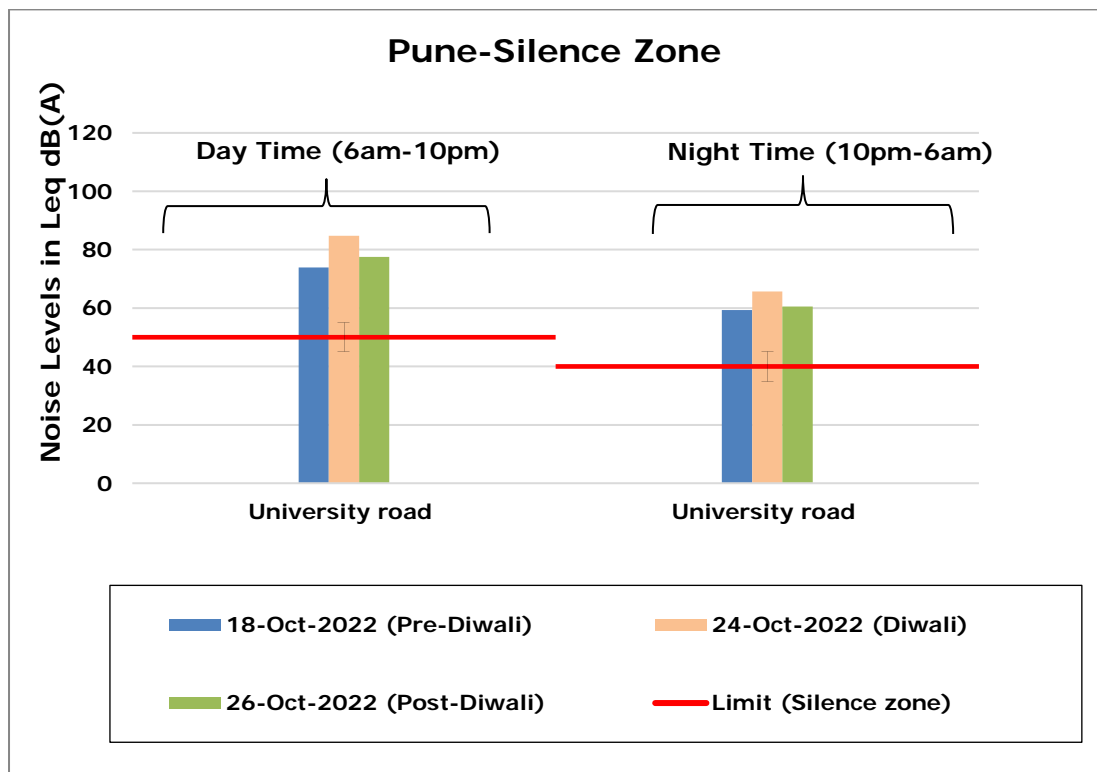


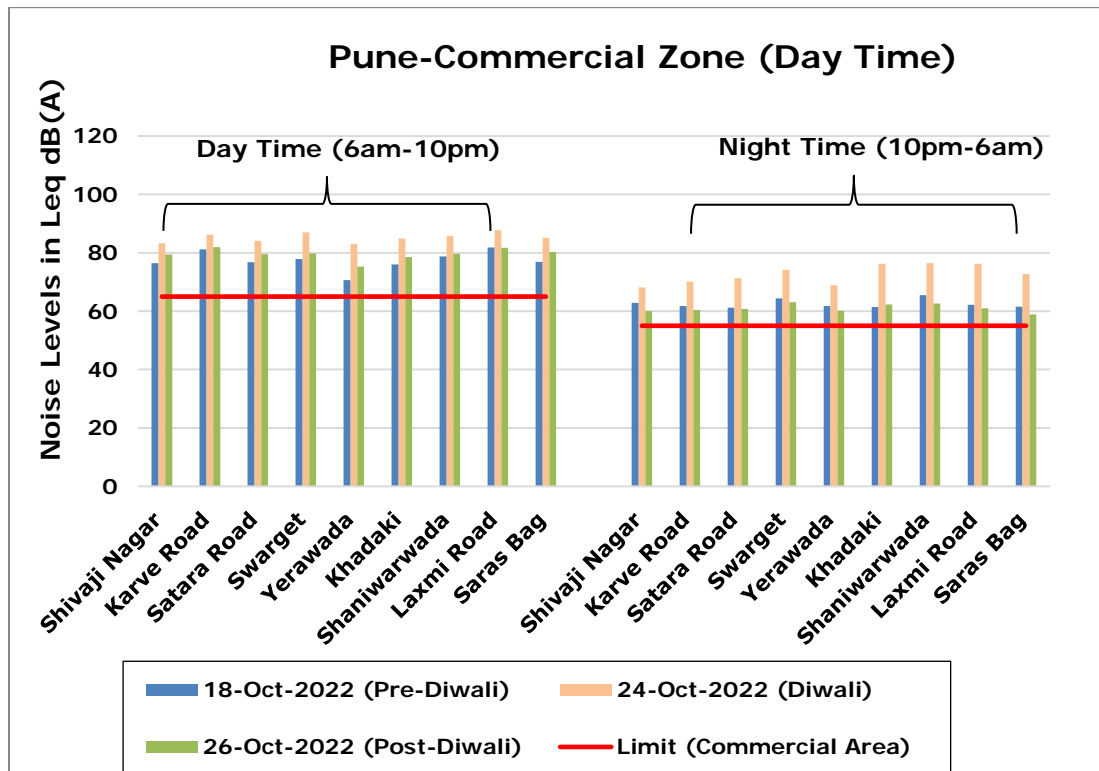
Diwali (24 <sup>th</sup> October 2022) - PUNE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Nagar	83.3	64.8	93.3	88.2	76.6	71.1	68.1	40.3	81.6	70.5	54.3	43.9
Karve Road	86.2	69.8	96.4	90.1	83.2	72.8	70.1	40.8	82.7	71.7	55.7	44.1
Satara Road	84.2	68.2	93.5	88.9	78.9	72.4	71.3	40.6	82.9	72.0	55.4	43.6
Swargate	86.9	60.2	96.3	90.7	84.5	75.2	74.1	40.6	89.4	77.5	58.4	46.2
Yerawada	83.0	60.5	92.3	88.4	75.2	69.8	68.8	40.9	81.3	72.7	54.5	44.2
Khadaki	84.9	70.2	95.4	89.0	80.4	73.3	76.2	43.8	89.7	76.3	57.9	45.3
Shaniwarwada	85.8	72.1	94.5	90.4	81.4	74.2	76.5	41.7	89.6	78.6	59.2	44.9
Laxmi Road	87.7	69.6	96.6	92.3	81.8	76.6	76.2	41.6	91.2	79.3	59.4	44.6
Saras Bag	85.1	70.2	95.5	89.6	78.2	74.2	72.7	41.5	86.3	76.5	56.4	44.2
Aundh gaon	86.2	70.3	96.6	90.4	82.2	75.9	67.5	40.2	83.0	67.4	47.8	43.1
University road	84.7	64.2	93.7	90.2	76.3	69.8	65.7	40.1	79.4	69.6	58.0	47.3

Post-Diwali (18 <sup>th</sup> October 2022) - 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	79.4	64.3	88.4	83.7	75.4	70.2	60.0	41.7	71.9	62.9	46.6	42.9
Karve Road	81.9	65.1	90.1	86.6	77.8	70.8	60.4	42.8	73.4	62.8	51.7	44.6
Satara Road	79.6	58.2	89.9	84.5	72.6	68.2	60.8	43.5	73.5	63.4	48.2	44.5

<b>Post-Diwali (18<sup>th</sup> October 2022) - PUNE</b>												
<b>Location</b>	<b>Day Time (6am-10pm)</b>						<b>Night Time (10pm-6am)</b>					
	<b>L<sub>eq</sub></b>	<b>L<sub>min</sub></b>	<b>L<sub>max</sub></b>	<b>L<sub>10</sub></b>	<b>L<sub>50</sub></b>	<b>L<sub>90</sub></b>	<b>L<sub>eq</sub></b>	<b>L<sub>min</sub></b>	<b>L<sub>max</sub></b>	<b>L<sub>10</sub></b>	<b>L<sub>50</sub></b>	<b>L<sub>90</sub></b>
Swargate	79.7	65.4	86.6	82.2	79.7	72.1	63.1	43.5	73.5	67.4	56.8	44.8
Yerawada	75.2	56.6	86.6	79.8	71.4	65.3	60.2	42.8	72.8	63.4	48.6	43.8
Khadaki	78.5	63.4	85.6	82.2	76.6	70.4	62.3	42.7	75.6	64.3	48.9	43.9
Shaniwarwada	79.6	65.4	88.6	82.6	76.8	70.4	62.6	43.0	74.6	65.4	54.2	44.3
Laxmi Road	81.7	64.5	91.2	86.6	78.2	69.8	61.0	42.5	75.2	62.8	51.7	44.0
Saras Bag	80.2	65.3	92.2	85.3	74.5	69.3	58.9	42.0	73.4	62.4	47.5	43.8
Aundh gaon	79.6	62.2	88.4	82.4	76.6	69.8	52.5	41.8	63.7	57.1	45.8	42.8
University road	77.6	62.2	88.3	82.2	72.2	68.5	60.6	43.7	73.8	62.3	53.4	45.5

Chart 4.5: Ambient Noise Levels during Diwali Festival - 2022 in Pune





## 4.6 Nashik

In Nashik, a total of five locations were monitored. On 18<sup>th</sup> October, the highest noise level during day time was recorded at Panchvati (66.3 dBA) and at CBS during night time (61.1dBA). However, on the day of Laxmi poojan, the highest noise level both during day time was observed at Dahipool with 80.1dB(A) and at CBS during nighttime (78.2dBA). On 26<sup>th</sup> October, the highest noise level during day and nighttime both was observed at CBS with 71.1dB(A) and 67.3dB(A) respectively.

**Table 4.6: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Nashik**

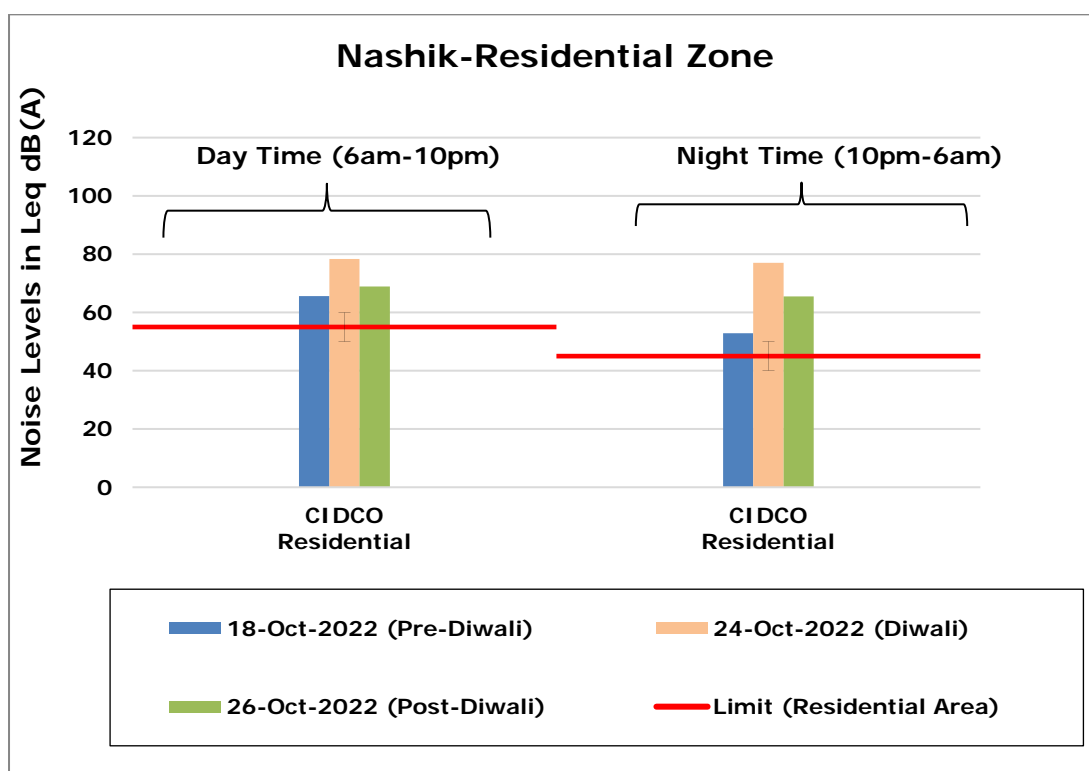
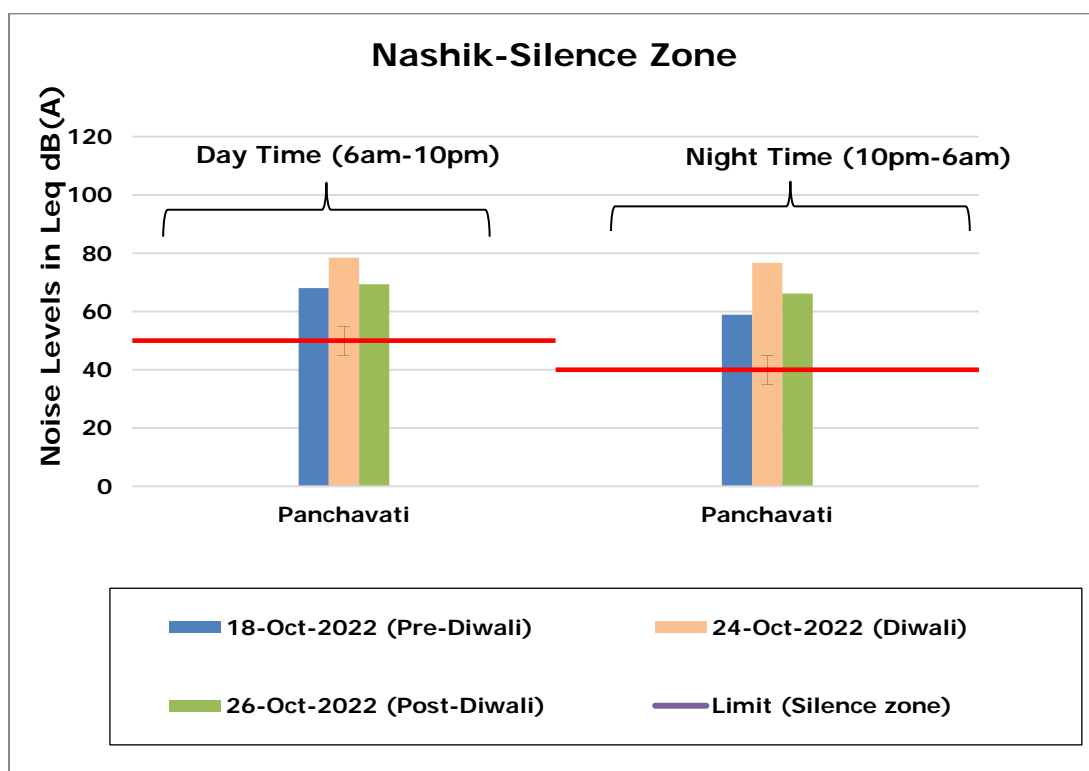
Pre-Diwali (18 <sup>th</sup> October 2022) - NASHIK												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBS	67.0	59.0	72.0	70.0	66.0	61.0	61.1	51.0	68.0	66.0	57.0	52.0
Panchavati	68.0	56.0	73.0	71.0	68.0	60.0	58.9	50.0	66.0	63.0	55.0	51.0
Dahipool	66.6	55.0	72.0	69.0	66.0	58.0	60.9	51.0	68.0	65.0	58.0	54.0
CIDCO Residential	65.6	52.0	71.0	69.0	64.5	56.0	52.9	48.0	58.0	56.0	52.0	50.0
Bytco Point	67.6	51.0	75.0	72.0	65.0	55.9	56.7	50.0	62.0	60.0	54.5	52.0

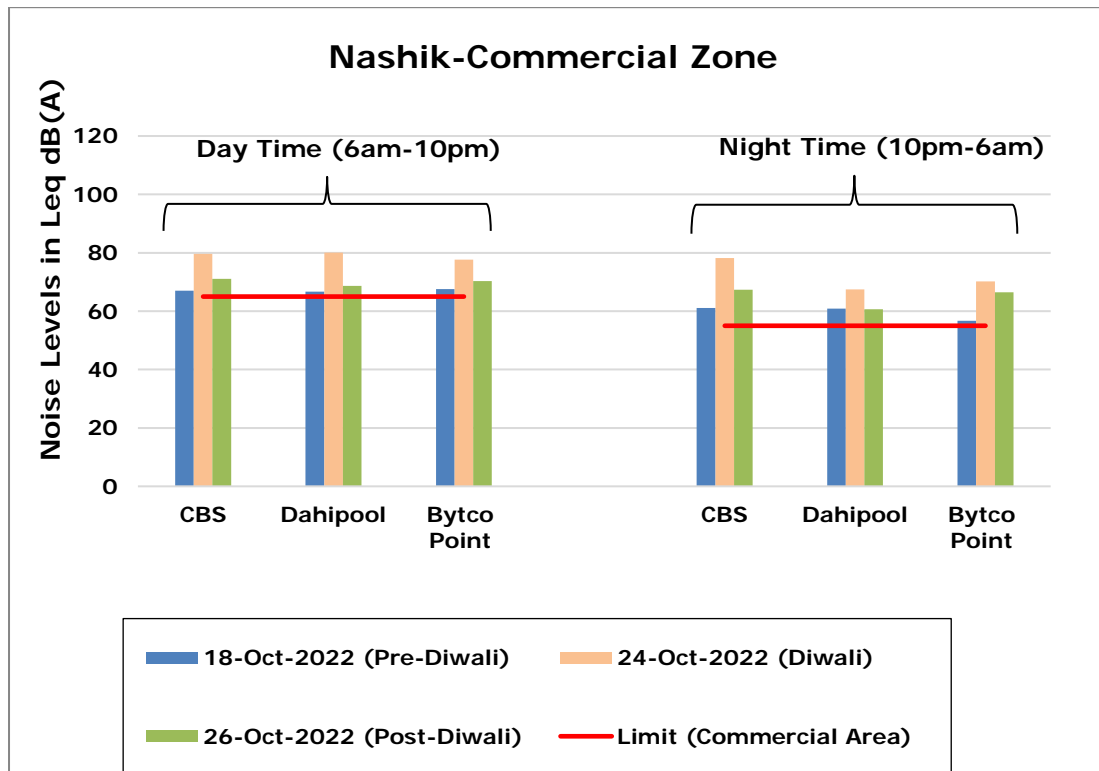
Diwali (24 <sup>th</sup> October 2022) - NASHIK												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
CBS	79.6	60.0	91.0	82.1	67.0	63.0	78.2	55.0	88.0	85.0	64.5	58.0
Panchavati	78.5	57.0	91.0	78.0	65.0	61.0	76.7	59.0	86.0	83.0	65.0	61.0
Dahipool	80.1	58.0	90.0	87.1	67.0	61.9	67.5	57.0	77.0	72.0	62.0	59.0

Diwali (24 <sup>th</sup> October 2022) - 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	78.3	55.0	89.0	85.0	65.0	58.0	77.0	60.0	88.0	84.1	63.0	60.9
Bytco Point	77.7	55.0	89.0	84.0	66.0	59.0	70.2	52.0	79.0	76.2	64.0	54.9

Post-Diwali (26 <sup>th</sup> October 2022) - 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	71.1	58.0	76.0	75.0	70.0	61.0	67.3	60.0	75.0	71.0	65.0	62.0
Panchavati	69.4	56.0	77.0	73.0	68.0	62.0	66.1	54.0	73.0	71.0	61.5	56.0
Dahipool	68.6	58.0	76.0	73.0	65.0	60.0	60.6	54.0	67.0	64.1	59.0	56.0
CIDCO Residential	68.8	58.0	76.0	74.0	66.0	60.0	65.5	56.0	72.0	70.0	62.0	58.0
Bytco Point	70.3	60.0	76.0	74.0	69.5	63.0	66.4	54.0	74.0	72.0	61.0	57.0

Chart 4.6: Ambient Noise Levels during Diwali Festival - 2022 in Nashik







## 4.7 Aurangabad

A total of five locations were monitored in Aurangabad region. The highest noise level on 18<sup>th</sup> October during day time was observed at Kranti Chowk with 76dB(A) and during nighttime at Gulmandi with 65.3 dB(A) respectively. On the day of Laxmi poojan i.e. on 24<sup>th</sup> October also, the highest noise level during daytime was observed at Kranti Chowk (77.7dBA) and at Gulmandi during nighttime (62dBA). On 26<sup>th</sup> October also, the similar pattern of noise levels was observed. The highest noise level during day time was observed at Kranti Chowk with 71.0dB(A) and at Gulmandi (59.3dBA) during nighttime.

**Table 4.7.: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Aurangabad**

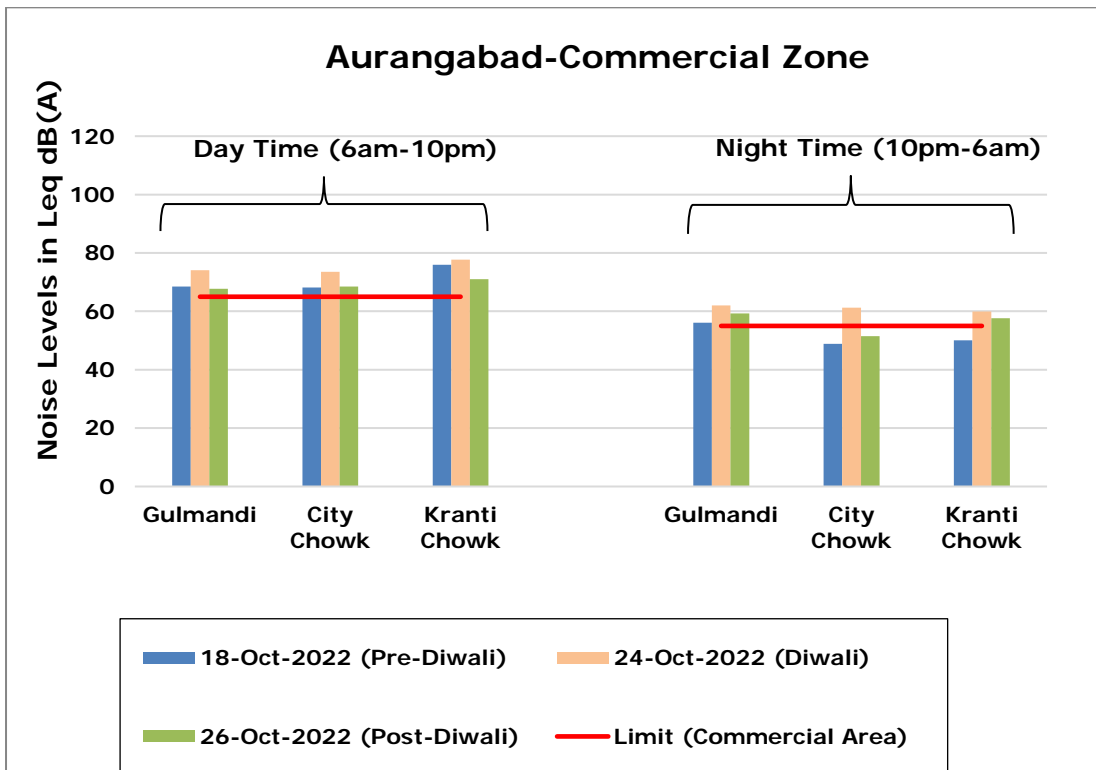
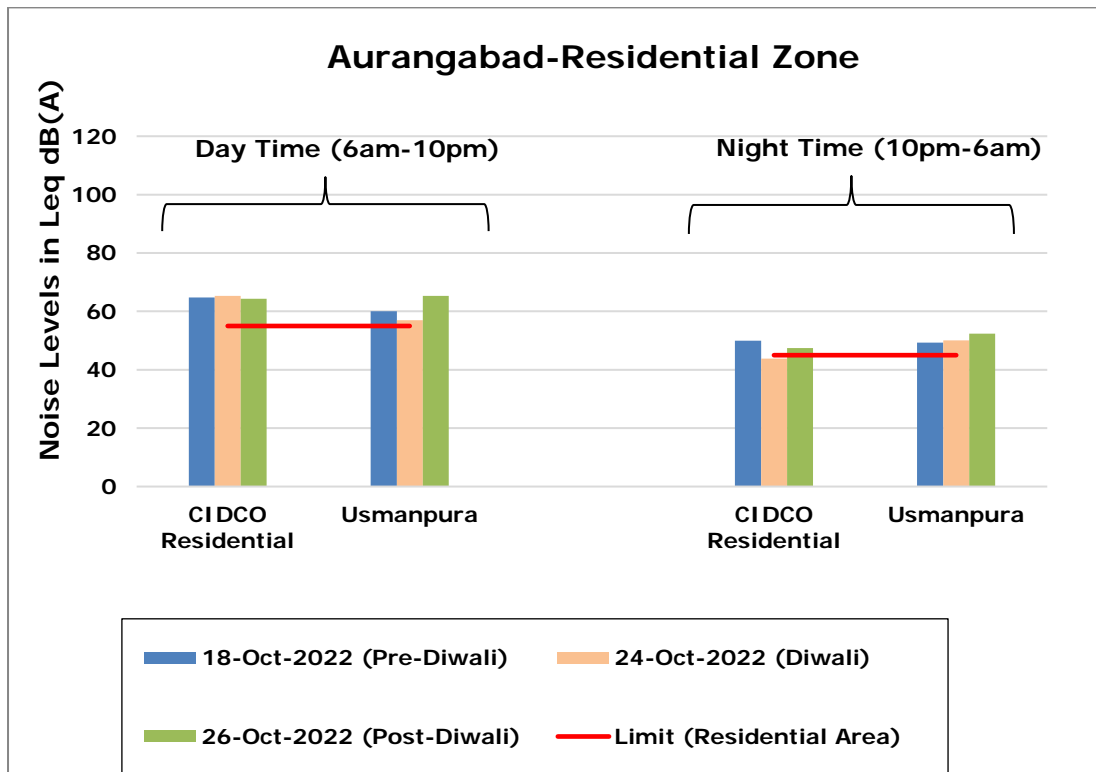
Pre-Diwali (18 <sup>th</sup> October 2022) - AURANGABAD												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gulmandi	68.5	55.9	73.8	73.1	61.9	52.1	56.1	46.4	62.1	61.1	49.1	44.0
City Chowk	68.2	53.8	73.5	72.2	63.9	51.4	48.9	46.2	50.3	51.3	48.4	45.2
Kranti Chowk	76.0	73.4	78.4	80.1	72.5	63.9	50.1	48.0	52.0	52.8	49.1	46.1
CIDCO Residential	64.8	58.4	68.8	68.0	59.8	52.9	50.0	48.3	52.0	52.4	49.2	45.7
Usmanpura	60.0	53.9	69.2	61.3	56.0	51.0	49.3	48.2	50.1	51.6	48.7	45.8

Diwali (24 <sup>th</sup> October 2022) - 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	74.1	49.2	84.2	79.3	70.0	65.2	62.0	38.0	71.0	67.1	49.5	41.0
City Chowk	73.6	62.4	81.3	76.9	71.7	67.3	61.3	36.0	71.0	67.0	49.5	41.0

Diwali (24 <sup>th</sup> October 2022) - 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>
Kranti Chowk	77.7	64.1	83.6	80.7	76.9	70.1	59.9	41.0	69.0	65.2	48.5	42.0
CIDCO Residential	65.3	47.0	80.1	69.2	60.1	53.1	43.8	35.0	51.0	48.0	41.5	38.9
Usmanpura	57.0	49.7	64.6	60.1	55.7	51.9	50.0	41.0	60.0	54.0	47.0	41.0

Post-Diwali (26 <sup>th</sup> October 2022) - 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	67.7	53.0	73.0	71.0	68.0	58.9	59.3	40.0	68.0	64.0	53.0	42.0
City Chowk	68.5	48.0	74.0	71.0	69.0	54.0	51.5	40.0	64.0	54.0	45.0	41.0
Kranti Chowk	71.0	58.0	74.0	73.0	71.0	65.0	57.6	41.0	68.0	61.0	56.0	49.0
CIDCO Residential	64.4	48.0	72.0	68.0	62.0	54.0	47.4	34.0	57.0	52.0	42.0	39.0
Usmanpura	65.4	47.0	72.0	69.0	63.0	53.0	52.3	39.0	62.0	57.1	45.0	41.0

Chart 4.7: Ambient Noise Levels during Diwali Festival - 2022 in Aurangabad



## 4.8 Nagpur

In Nagpur region, a total of ten locations were monitored. On all the three days, Kalamna was found the loudest. On 18<sup>th</sup> October, the highest noise level during day and nighttime was observed at Kalamna with 84.7dB(A) and 65.2dB(A) respectively. On 24<sup>th</sup> October, it was 81.7dB(A) during daytime and 75.6dB(A) during nighttime. However, on 26<sup>th</sup> October, it was 74.6dB(A) during daytime and 66.4dB(A) during nighttime.

**Table 4.8: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Nagpur**

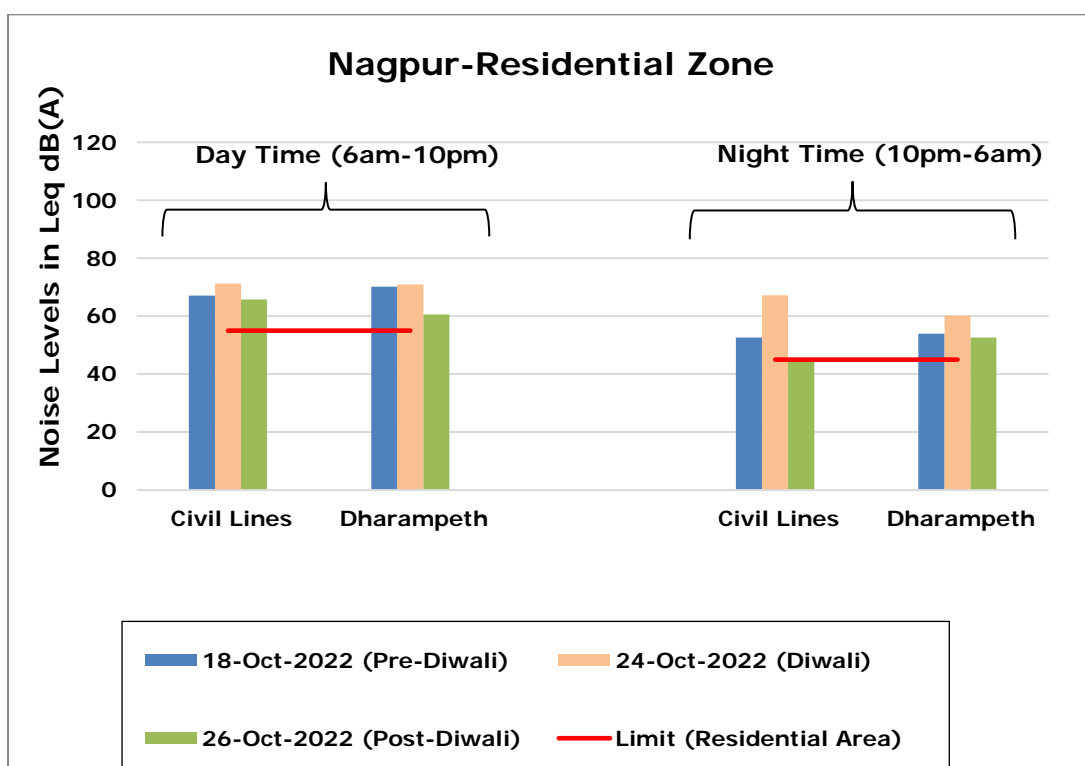
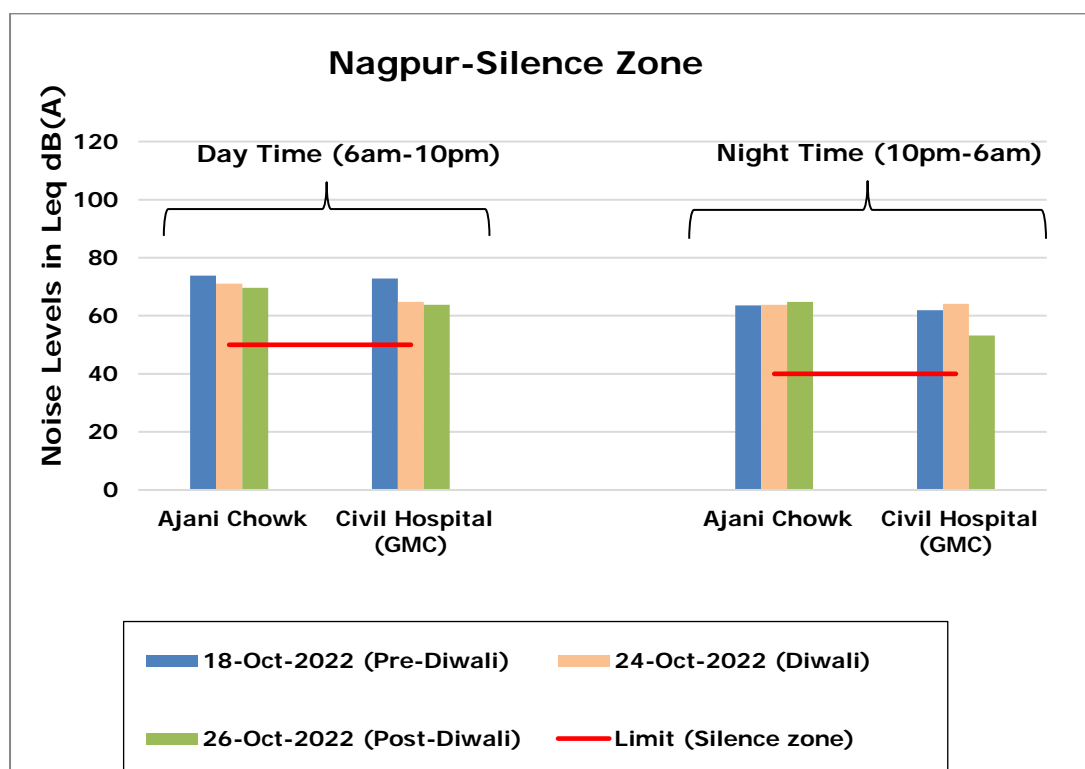
Pre-Diwali (18 <sup>th</sup> October 2022) - NAGPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ajani Chowk	73.8	43.3	83.4	76.7	72.3	68.4	63.6	41.4	72.4	68.4	58.6	46.3
Civil Lines	67.1	45.2	74.1	71.0	65.4	56.4	52.6	32.1	62.4	57.3	45.7	37.2
Dharampeth	70.2	52.1	83.9	73.0	65.9	57.6	54.0	40.3	64.5	57.3	49.3	41.6
Itwari	69.2	48.7	80.6	72.7	63.2	52.9	55.8	42.2	64.8	60.3	52.7	47.7
Civil Hospital	72.8	55.7	92.8	71.9	65.3	60.5	61.9	31.8	72.6	66.8	51.7	35.3
Deshpande Layout	72.8	54.3	86.3	74.7	70.3	65.3	61.7	51.2	71.9	65.4	59.1	54.3
Shankar Nagar	69.3	55.7	81.6	72.2	67.4	61.6	59.5	40.1	70.4	64.7	48.6	41.4
Mahal	74.7	55.4	87.4	78.2	73.3	64.4	64.5	45.3	75.2	69.3	58.8	51.1
Sadar	71.1	54.6	85.5	74.7	67.7	60.9	56.7	43.7	66.5	60.9	50.3	45.3
Kalamna	84.7	59.8	96.8	87.6	80.1	66.4	65.2	54.4	73.7	68.1	63.9	58.7

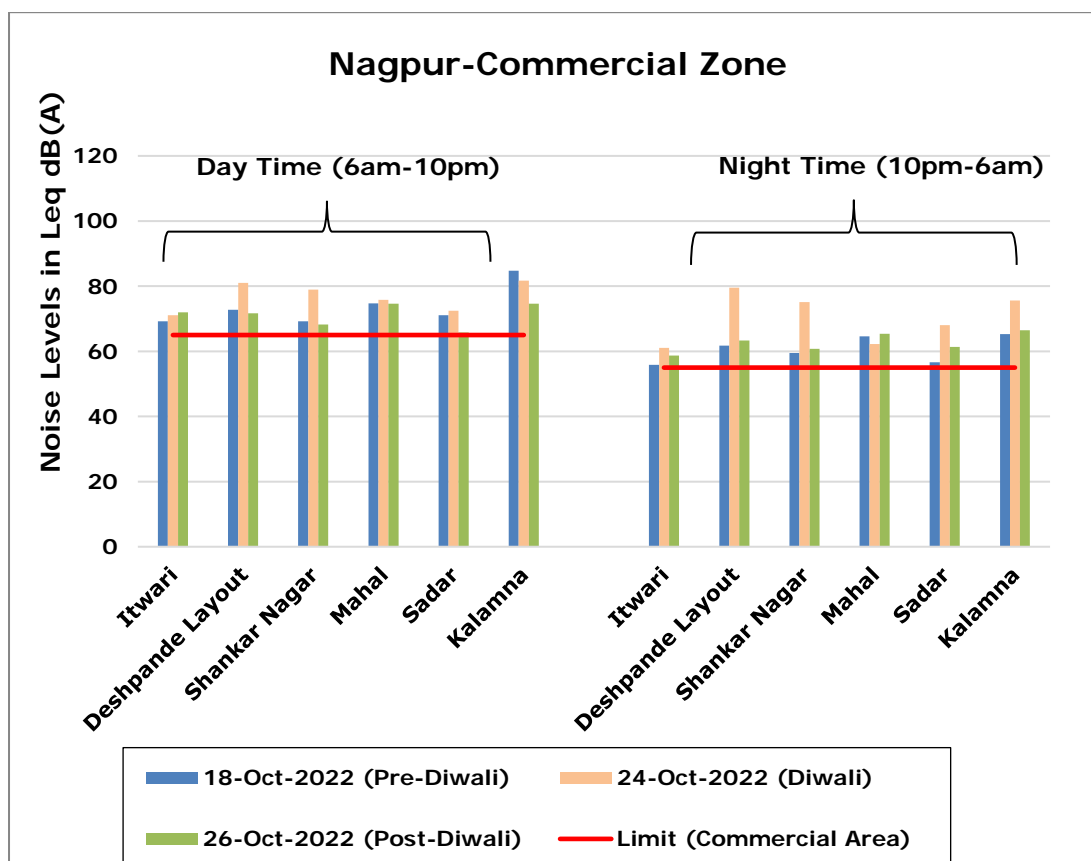
Diwali (24 <sup>th</sup> October 2022) - NAGPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ajani Chowk	71.1	58.4	85.8	72.5	69.3	64.7	63.8	46.9	72.6	68.8	57.7	48.4
Civil Lines	71.9	42.1	84.6	73.3	65.4	54.2	67.2	33.1	84.4	66.7	45.1	36.7
Dharampeth	71.6	48.9	87.3	74.3	63.8	56.2	60.3	40.3	76.4	59.1	46.8	41.7
Itwari	71.1	50.1	88.4	73.5	65.2	58.5	61.1	44.7	71.2	63.4	58.8	50.1
Civil Hospital	64.8	50.9	77.4	68.9	61.3	55.5	64.1	44.3	77.1	68.0	55.0	46.5
Deshpande Layout	81.0	54.8	91.6	84.7	73.2	66.7	79.5	49.3	88.9	84.8	60.4	51.2
Shankar Nagar	78.9	47.0	95.2	74.0	64.5	56.2	75.2	40.2	89.1	79.4	58.5	44.2
Mahal	75.8	61.2	86.2	78.6	72.7	67.4	62.2	41.9	73.8	67.2	53.2	44.9
Sadar	72.5	54.3	81.9	76.3	68.9	61.4	68.1	40.1	79.8	72.2	52.3	42.2
Kalamna	81.7	62.3	94.6	84.2	78.7	70.1	75.6	52.4	85.4	80.7	64.9	60.1

Post-Diwali (26 <sup>th</sup> October 2022) - 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	69.6	55.9	75.1	72.8	68.5	62.9	64.8	38.1	79.8	68.2	51.8	41.2
Civil Lines	65.8	41.3	74.8	69.9	63.1	52.5	45.2	32.0	55.4	50.2	41.3	33.4
Dharampeth	60.6	42.4	72.1	64.2	58.2	51.3	52.7	37.5	64.5	55.9	44.9	41.2

Post-Diwali (26 <sup>th</sup> October 2022) - 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	72.0	44.1	89.1	71.4	61.5	53.6	58.7	36.6	73.4	61.1	51.8	42.3
Civil Hospital	63.8	41.9	75.9	66.8	60.1	53.3	53.2	35.6	64.1	56.9	49.8	38.4
Deshpande Layout	71.7	50.3	82.4	74.2	70.4	65.3	63.3	40.1	71.4	69.6	56.1	44.2
Shankar Nagar	68.3	45.3	79.5	71.5	65.6	59.0	60.8	35.6	69.7	65.6	53.5	41.7
Mahal	74.6	55.5	89.7	76.5	71.8	65.8	65.3	35.2	78.3	69.5	53.2	40.2
Sadar	65.8	44.9	75.8	68.6	63.7	55.7	61.3	39.8	76.5	61.9	49.5	43.1
Kalamna	74.6	60.1	86.8	77.8	70.0	65.2	66.4	35.9	80.1	68.5	54.4	41.1

Chart 4.8: Ambient Noise Levels during Diwali Festival - 2022 in Nagpur







## 4.9 Kalyan

Three locations were monitored in Kalyan region. On 18<sup>th</sup> October, the highest noise level during day and nighttime was observed at Bail Bazar with 72.0dB(A) and 67.1 respectively. On the day of Laxmi Poojan i.e. on 24<sup>th</sup> October, the highest noise level during day time was observed highest at Katemanivali with 86.5dB(A) and during nighttime bail bazar was the loudest with 83.8dB(A). On 26<sup>th</sup> October also, the highest noise level during day and nighttime was observed at Katemanivali with 86.3dB(A) and 83.2dB(A) respectively.

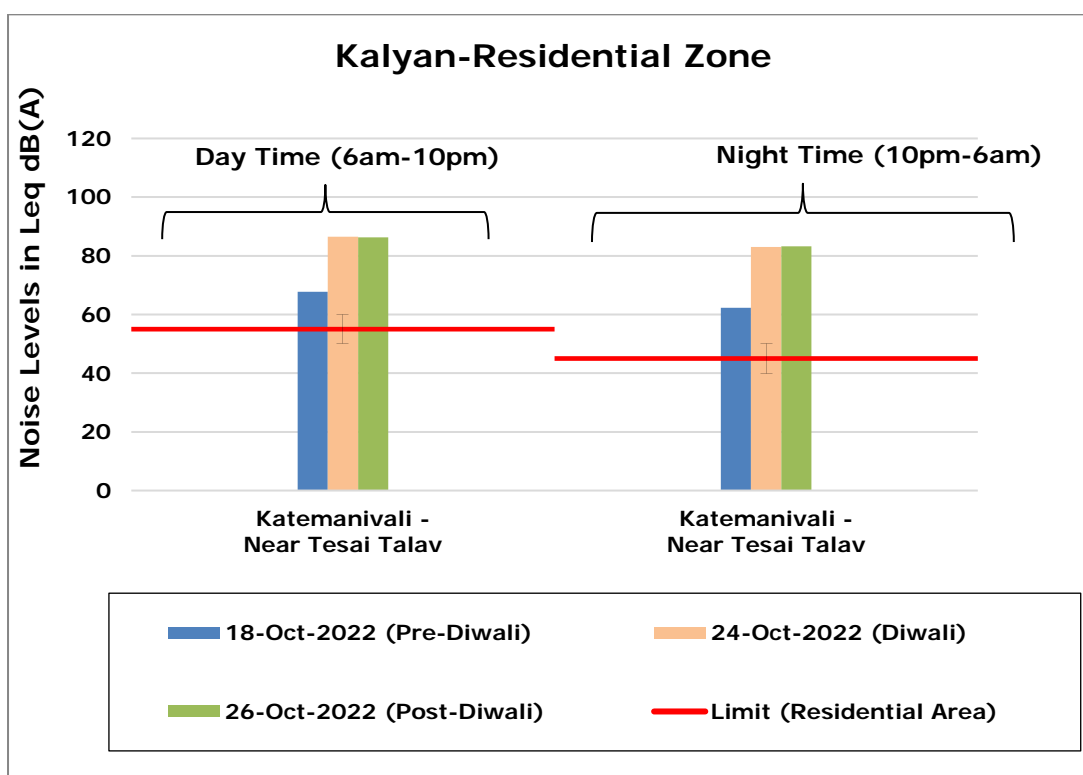
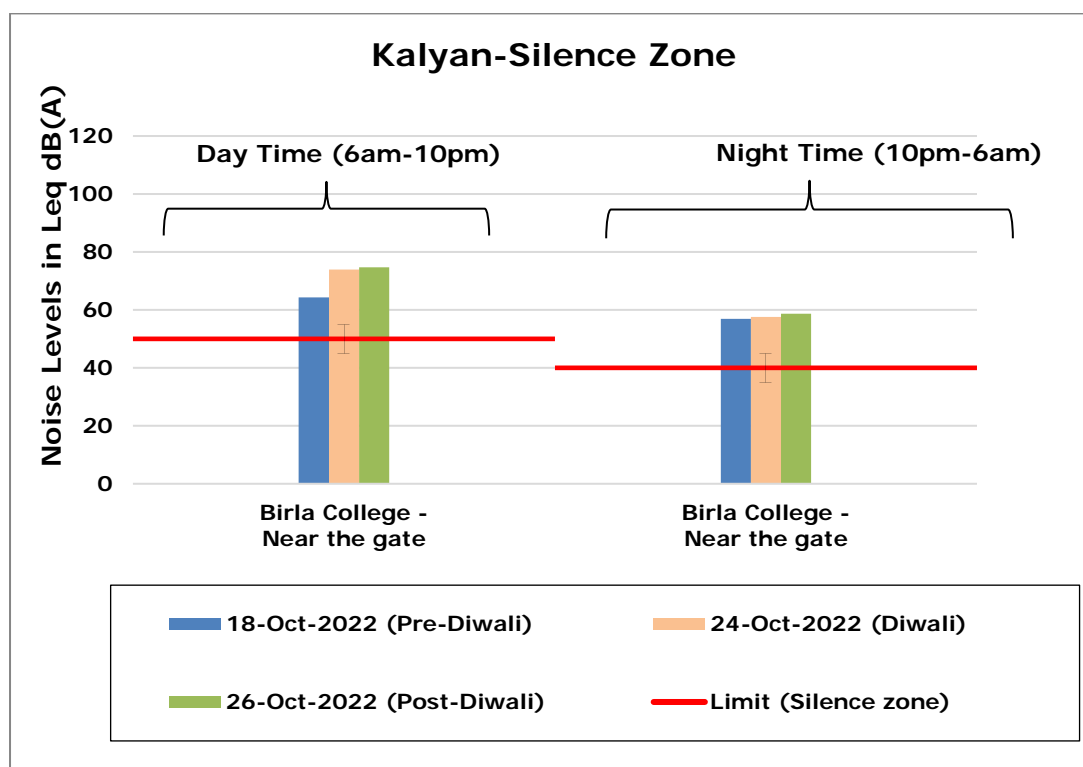
**Table 4.9: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Kalyan**

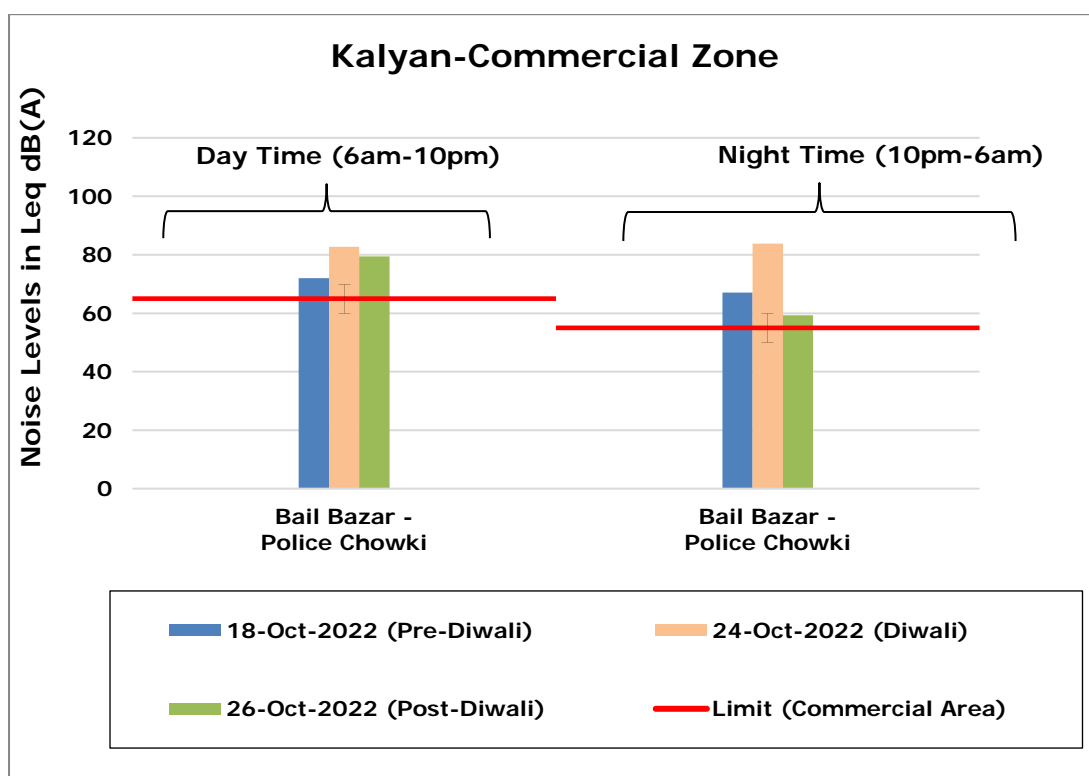
Pre-Diwali (18 <sup>th</sup> October 2022) - KALYAN												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Katemanivali	67.8	54.1	74.4	71.1	66.6	58.8	62.3	54.7	69.7	65.3	61.0	57.1
Birla College	64.3	41.0	79.0	67.4	58.8	49.9	56.9	47.5	65.0	60.3	54.2	49.7
Bail Bazar	72.0	40.1	83.7	75.8	65.9	50.4	67.1	36.0	80.3	69.9	49.1	39.6

Diwali (24 <sup>th</sup> October 2022) - 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	86.5	59.4	97.2	91.1	79.7	66.8	83.0	53.1	92.9	89.2	75.7	65.0
Birla College	73.9	43.1	92.7	76.6	64.2	52.7	57.5	45.4	65.3	61.1	54.5	49.1
Bail Bazar	82.7	42.3	99.7	82.3	64.1	48.0	83.8	40.0	95.9	86.7	62.3	46.7

Post-Diwali (26 <sup>th</sup> October 2022) - 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	86.3	55.6	99.4	90.9	76.7	65.3	83.2	52.1	96.7	83.0	70.4	60.1
Birla College	74.7	51.2	89.9	77.5	69.1	59.1	58.7	42.5	69.4	62.0	55.0	48.1
Bail Bazar	79.4	44.8	99.9	76.6	68.1	58.6	59.4	37.3	73.2	59.8	47.3	39.9

Chart 4.9: Ambient Noise Levels during Diwali Festival - 2022 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.

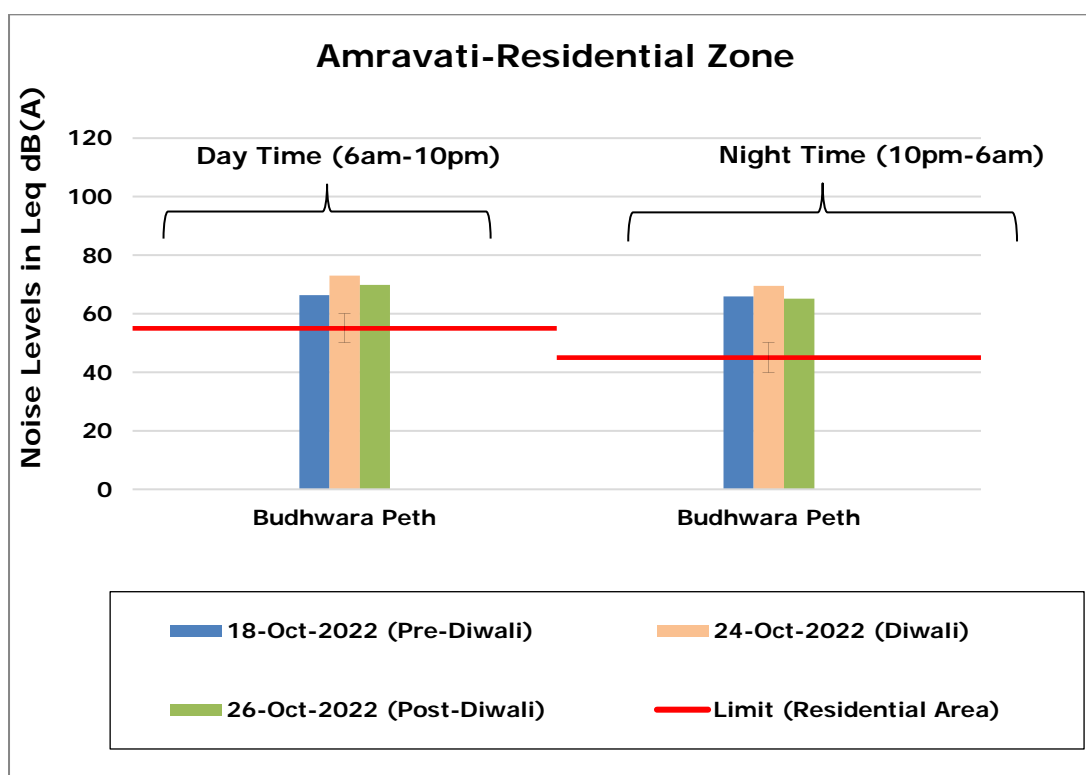
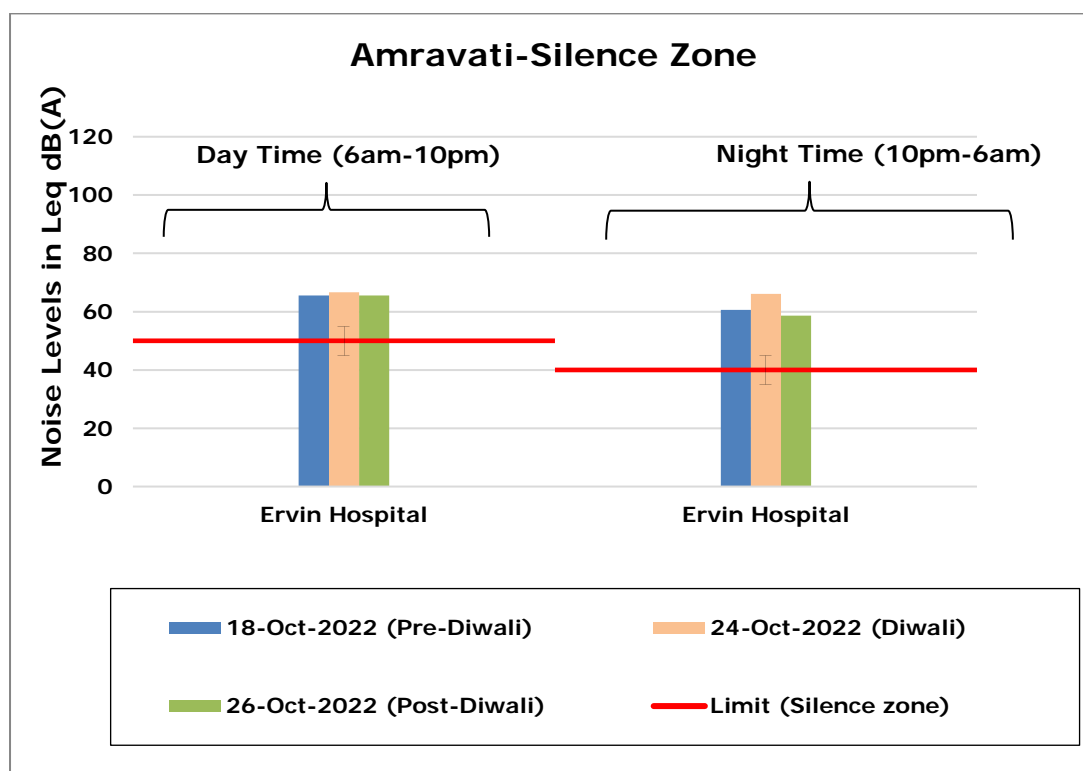
**Table 4.10: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Amravati**

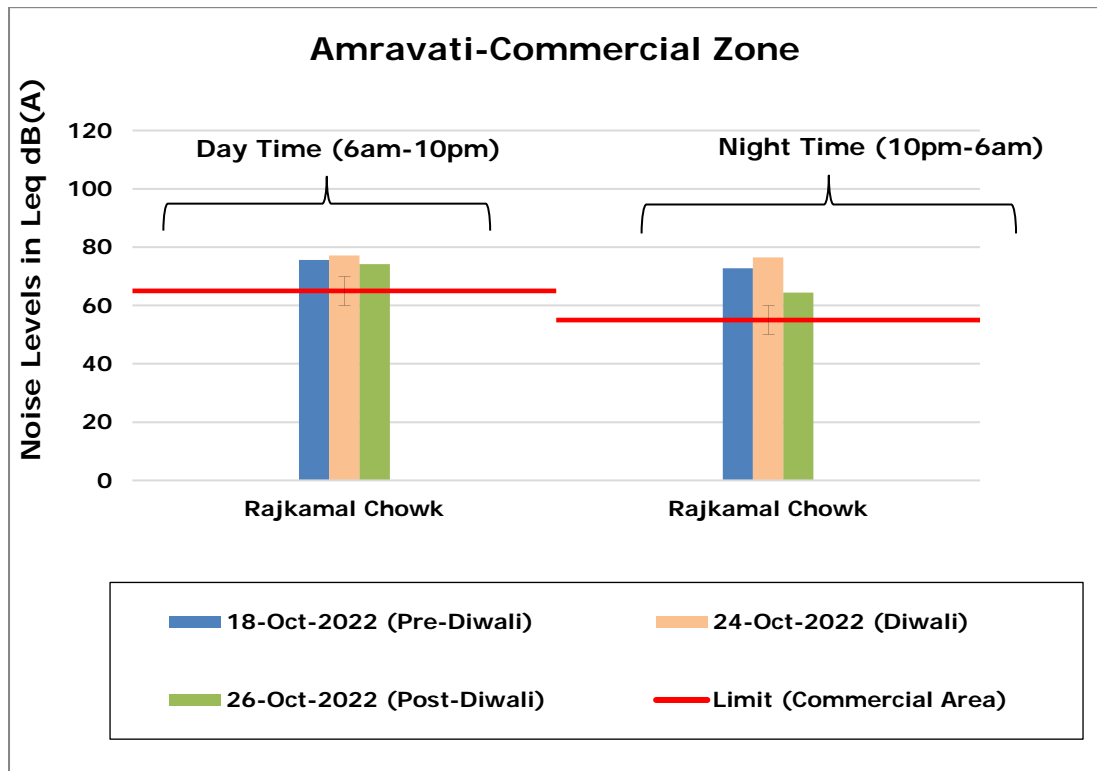
Pre-Diwali (18 <sup>th</sup> October 2022) - AMRAVATI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Budhwara Peth	66.3	48.5	75.4	70.3	63.3	57.8	65.9	42.7	75.4	70.8	58.3	50.0
Ervin Hospital	65.6	50.8	73.5	68.7	63.7	59.8	60.6	45.2	69.4	65.3	54.8	48.3
Rajkamal Chowk	75.6	58.7	86.3	79.0	73.1	67.4	72.7	56.2	80.9	77.3	67.8	59.7

Diwali (24 <sup>th</sup> October 2022) - 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	73.0	48.3	81.7	77.6	68.7	58.4	69.5	46.2	78.5	74.5	60.3	50.1
Ervin Hospital	66.6	46.6	75.9	70.9	64.2	56.9	66.1	41.2	75.3	71.4	56.3	47.0
Rajkamal Chowk	77.2	59.7	86.7	81.8	72.7	63.4	76.5	54.8	87.1	80.6	69.7	61.0

Post-Diwali (26 <sup>th</sup> October 2022) - 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	69.9	47.3	82.3	74.4	64.2	57.6	65.1	41.3	75.8	70.3	54.1	42.9
Ervin Hospital	65.5	46.6	73.8	69.2	63.4	55.1	58.6	33.2	68.6	64.1	51.4	38.7
Rajkamal Chowk	74.2	57.7	83.4	77.8	72.7	64.1	64.4	41.4	79.5	66.7	54.7	48.1

Chart 4.10: Ambient Noise Levels during Diwali Festival - 2022 in Amaravati







### 4.11 Jalgaon

In Jalgaon region, Shashtri Tower Chowk was the loudest. On 18<sup>th</sup> October, the highest noise level both during day time and during night time was observed at Shashtri Tower Chowk with 79dB(A) and 73.4dB(A) respectively. On the day of Laxmi Poojan, the highest noise level during day time was observed near Shivaji chowk with 81.5dB(A) and during night time, it was observed highest at near Civil Hospital with 68.3dB(A). On 26<sup>th</sup> October, the highest noise level during day and nighttime was observed at Shashtri Tower Chowk i.e 79.2dB(A) and 62.4dB(A) respectively.

**Table 4.11: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Jalgaon**

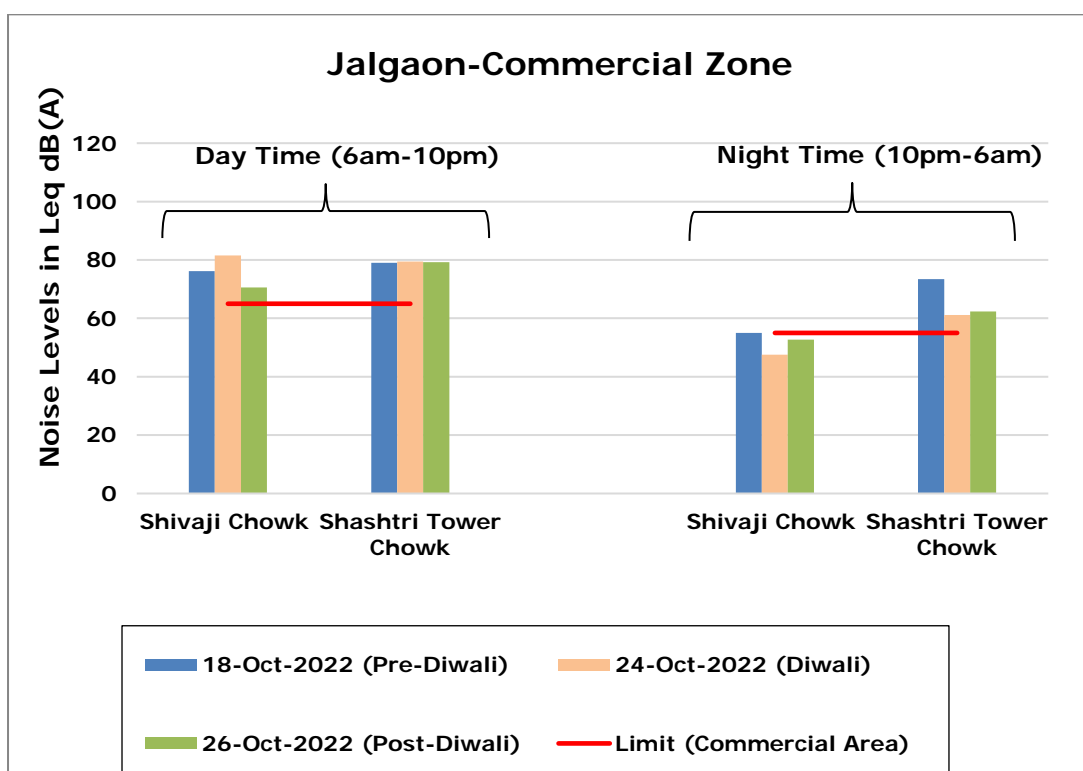
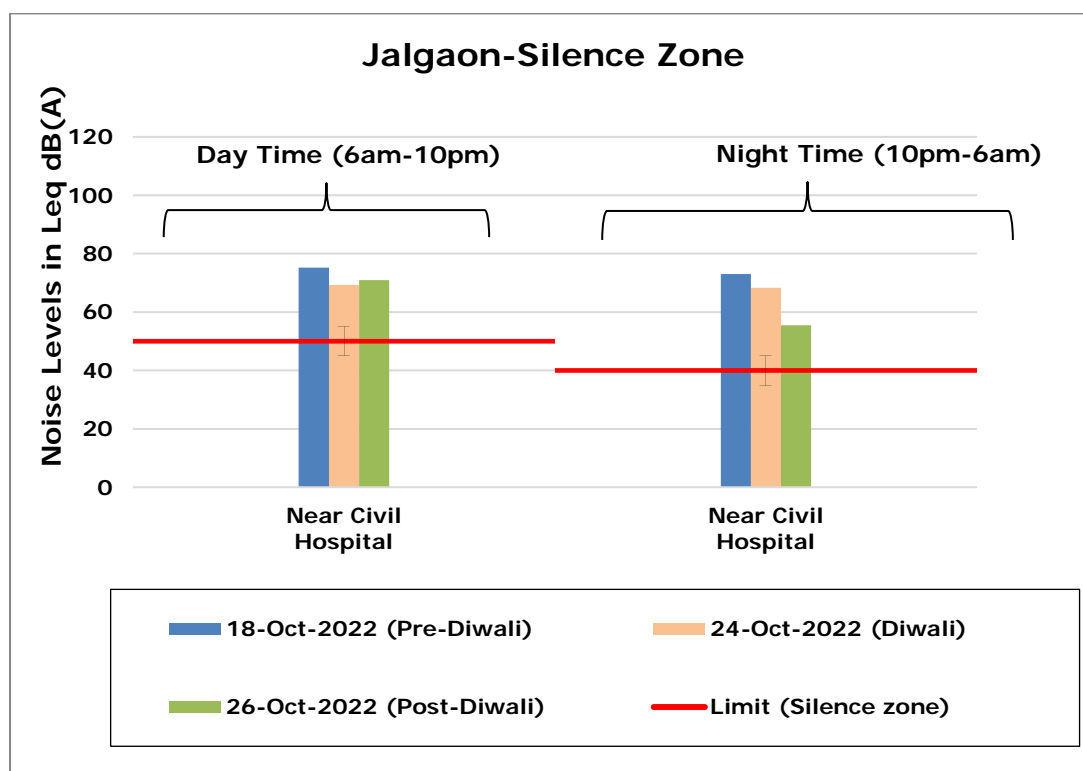
Pre-Diwali (18 <sup>th</sup> October 2022) - JALGAON												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Near Civil Hospital	75.2	54.5	82.8	78.9	73.5	60.4	73.0	36.3	83.5	78.6	53.4	42.2
Shivaji Chowk	76.2	40.0	88.5	79.3	69.2	60.8	55.0	40.2	62.8	58.5	52.8	46.3
Shashtri Tower Chowk	79.0	66.5	86.8	82.1	78.3	71.5	73.4	40.7	87.2	78.9	56.3	45.3

Diwali (24 <sup>th</sup> October 2022) - 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	69.3	55.7	77.3	77.9	70.8	58.9	68.3	46.4	78.0	78.8	74.2	62.3
Shivaji Chowk	81.5	71.0	88.8	90.1	82.2	72.4	47.6	36.0	65.2	62.5	50.1	33.2

Diwali (24 <sup>th</sup> October 2022) - 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	79.4	66.6	85.8	87.4	81.3	68.8	61.1	50.9	80.0	78.3	58.3	50.3

Post-Diwali (26 <sup>th</sup> October 2022) - 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	70.9	56.5	79.2	78.9	72.4	56.8	55.5	41.8	73.8	72.3	51.6	40.7
Shivaji Chowk	70.6	54.5	78.0	78.2	69.5	57.9	52.7	49.1	56.2	57.1	50.3	46.5
Shashtri Tower Chowk	79.2	60.4	89.6	89.8	81.8	61.9	62.4	51.6	88.2	74.0	57.3	49.3

Chart 4.11: Ambient Noise Levels during Diwali Festival - 2022 in Jalgaon



## 4.12 Kolhapur

In Kolhapur region, five locations were monitored for ambient noise levels during Diwali-2022. On 18<sup>th</sup> October, the highest noise level was observed at Tara Rani i.e. 91.9 dB(A) during daytime and 84.7dB(A) at night time. On the day of Laxmi pooja i.e. on 24<sup>th</sup> October, the highest noise level during day time was observed at Shahupuri with 96.4dB(A) and during night time was observed at Tara Rani with 80.8dB(A). On 26<sup>th</sup> October, the highest noise level both during day time was observed at tara rani with 92.6dB(A) and during night, Papachi Tikti was the loudest with 61.3dB(A).

**Table 4.12: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Kolhapur**

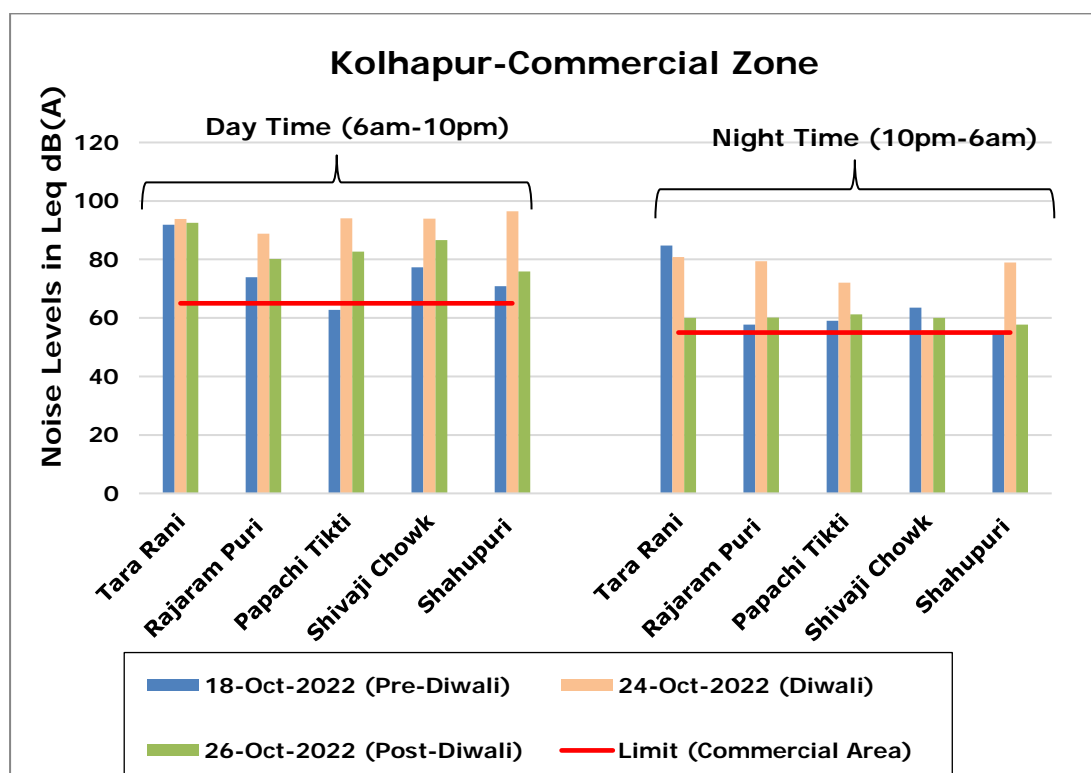
Pre-Diwali (18 <sup>th</sup> October 2022) - KOLHAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Tara Rani	91.9	75.1	99.6	95.9	89.2	82.3	84.7	68.4	98.6	89.2	76.7	70.4
Rajaram Puri	73.9	43.2	80.8	77.8	72.4	53.8	57.7	43.1	64.8	62.5	54.7	46.2
Papachi Tikti	62.7	50.1	70.2	66.4	59.6	53.7	59.0	41.9	69.2	65.2	50.6	44.2
Shivaji Chowk	77.3	55.5	84.2	81.1	75.1	65.5	63.5	48.7	72.2	67.7	56.6	51.7
Shahupuri	70.8	38.2	82.6	75.6	59.4	44.2	55.4	43.1	66.4	60.7	49.4	45.1

Diwali (24 <sup>th</sup> October 2022) - 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	93.8	44.3	108.2	95.7	90.3	69.5	80.8	43.6	93.6	84.2	66.3	49.2

Diwali (24 <sup>th</sup> October 2022) - 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>
Rajaram Puri	88.8	47.6	100.2	94.6	70.9	53.9	79.4	40.9	90.5	84.5	59.8	50.6
Papachi Tikti	94.1	41.5	110.6	97.1	81.6	58.8	72.0	40.2	84.2	78.7	45.7	42.6
Shivaji Chowk	93.9	51.4	110.5	93.8	73.5	62.5	55.9	40.2	65.4	59.4	53.5	42.6
Shahupuri	96.4	43.9	110.7	99.7	70.5	52.3	79.0	41.6	90.2	85.5	53.0	47.6

Post-Diwali (26 <sup>th</sup> October 2022) - 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	92.6	58.1	105.6	96.0	88.5	66.5	60.1	49.2	68.4	63.7	58.3	52.6
Rajaram Puri	80.1	49.6	96.8	82.9	69.8	54.0	60.2	49.6	70.1	62.8	56.1	51.2
Papachi Tikti	82.7	55.3	95.4	86.9	76.2	63.7	61.3	47.2	72.3	65.9	54.0	49.6
Shivaji Chowk	86.6	55.4	95.8	90.9	82.4	69.4	60.0	40.1	70.4	63.7	53.7	44.3
Shahupuri	75.9	50.8	87.5	80.5	68.7	57.3	57.8	40.6	70.9	61.5	52.4	43.2

Chart 4.12: Ambient Noise Levels during Diwali Festival - 2022 in Kolhapur



### 4.13 Sangli

Three locations were monitored for Sangli region. On 18<sup>th</sup> and 24<sup>th</sup> October, the highest noise level during day time was observed at Miraj market. However, on 26<sup>th</sup> October, Ganpati Peth was found with the highest equivalent noise level s during day (90.9dBA) and night (70.3dBA) both.

**Table 4.13: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Sangli**

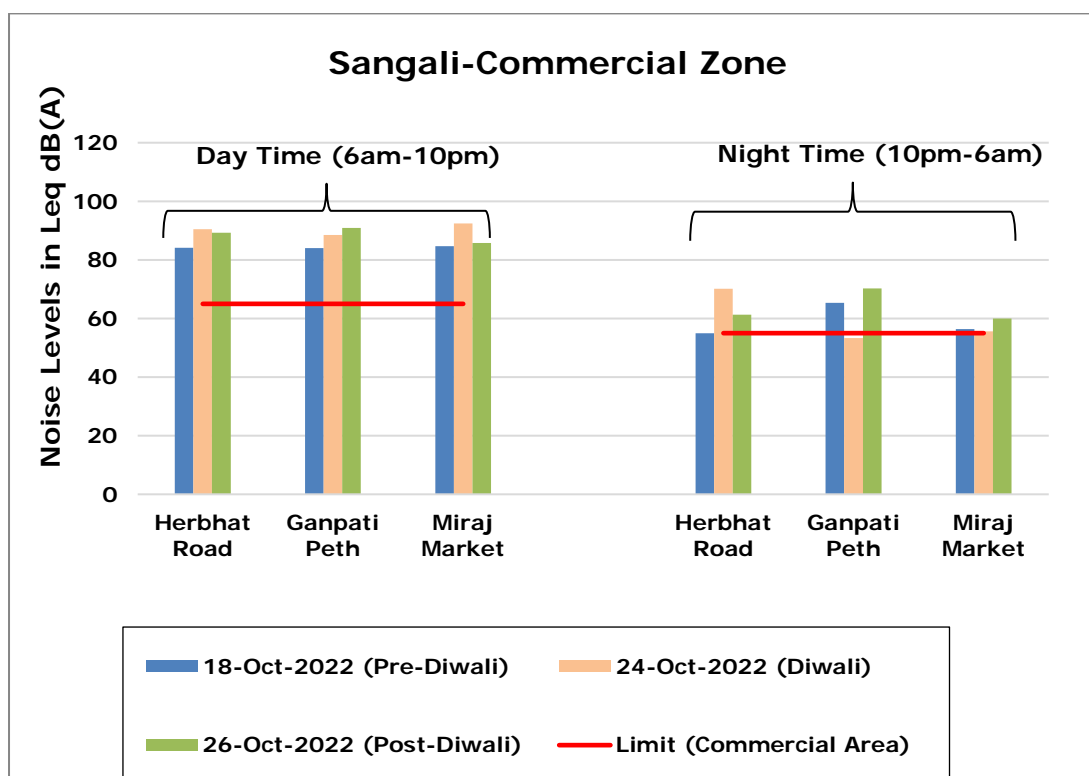
Pre-Diwali (18 <sup>th</sup> October 2022) - SANGLI												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Herbhat Road	84.1	40.3	98.3	88.1	61.5	45.7	55.0	42.1	66.4	60.7	48.4	44.3
Ganpati Peth	84.0	43.1	97.3	87.9	62.2	45.7	65.3	40.1	77.8	61.0	47.5	43.9
Miraj Market	84.7	43.1	97.3	88.3	63.8	47.3	56.4	42.2	68.1	60.8	50.2	46.9

Diwali (24 <sup>th</sup> October 2022) - 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	90.4	52.1	98.9	95.2	86.2	67.5	70.1	42.3	79.4	75.2	63.1	52.3
Ganpati Peth	88.5	55.1	97.4	93.3	85.4	67.8	53.4	40.2	63.4	57.5	50.1	43.2
Miraj Market	92.4	55.1	99.2	96.7	90.0	68.2	55.6	40.2	67.9	59.2	47.1	43.2

Post-Diwali (26 <sup>th</sup> October 2022) - 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	89.2	55.1	98.5	94.6	80.9	67.4	61.3	46.9	69.9	65.8	57.1	50.1
Ganpati Peth	90.9	55.1	98.9	95.3	87.2	67.0	70.3	45.4	80.4	75.2	64.6	53.3
Miraj Market	85.7	53.2	98.1	89.2	77.9	57.8	60.0	45.9	69.7	62.7	57.2	51.2



Chart 4.13: Ambient Noise Levels during Diwali Festival - 2022 in Sangli



#### 4.14 Mira-Bhayander

In Mira-Bhayander also three locations were monitored. On 18<sup>th</sup> October, the highest noise level during day time was observed at Shivaji Chowk with 79 dB(A) and during night time was observed at Shivaji Chowk Kashi Meera and Golden Police Chowki both with 67.1 dB(A). On 24<sup>th</sup> October the highest noise level both during day time and night time was observed at Shivaji Chowk Kashi Meera. However, on 26<sup>th</sup> October, Bhakti Vedant Hospital was observed with highest decibels during day and night both.

**Table 4.14: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Mira-Bhayander**

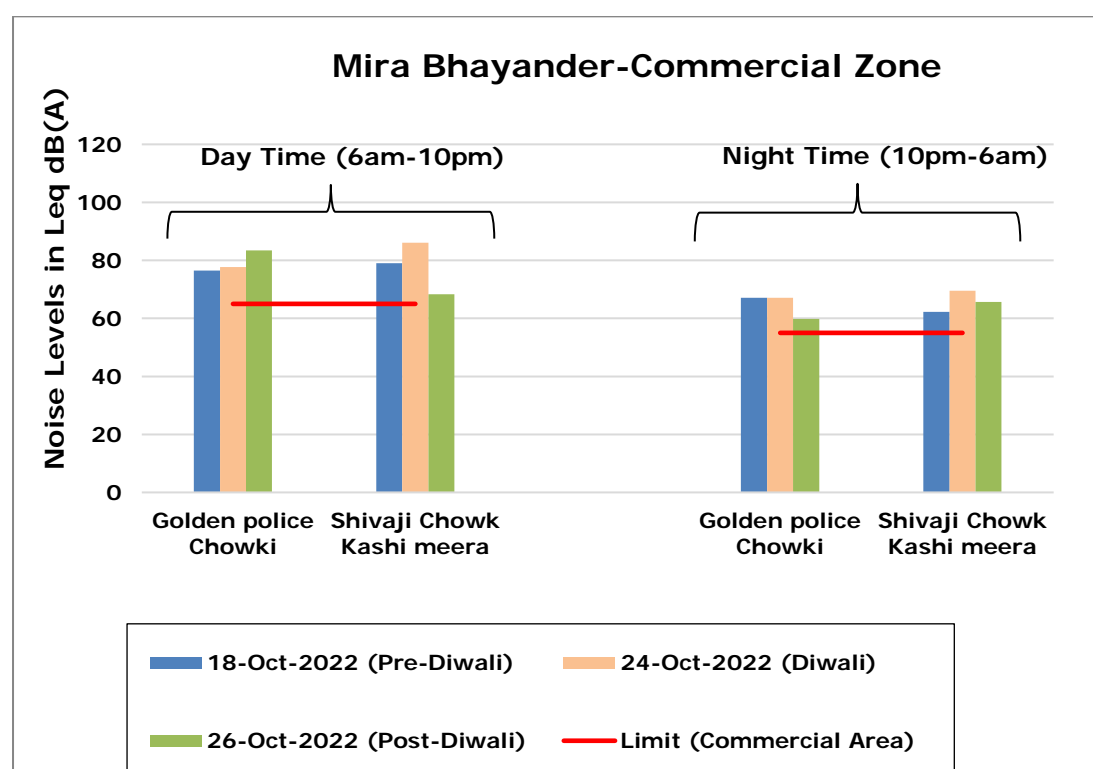
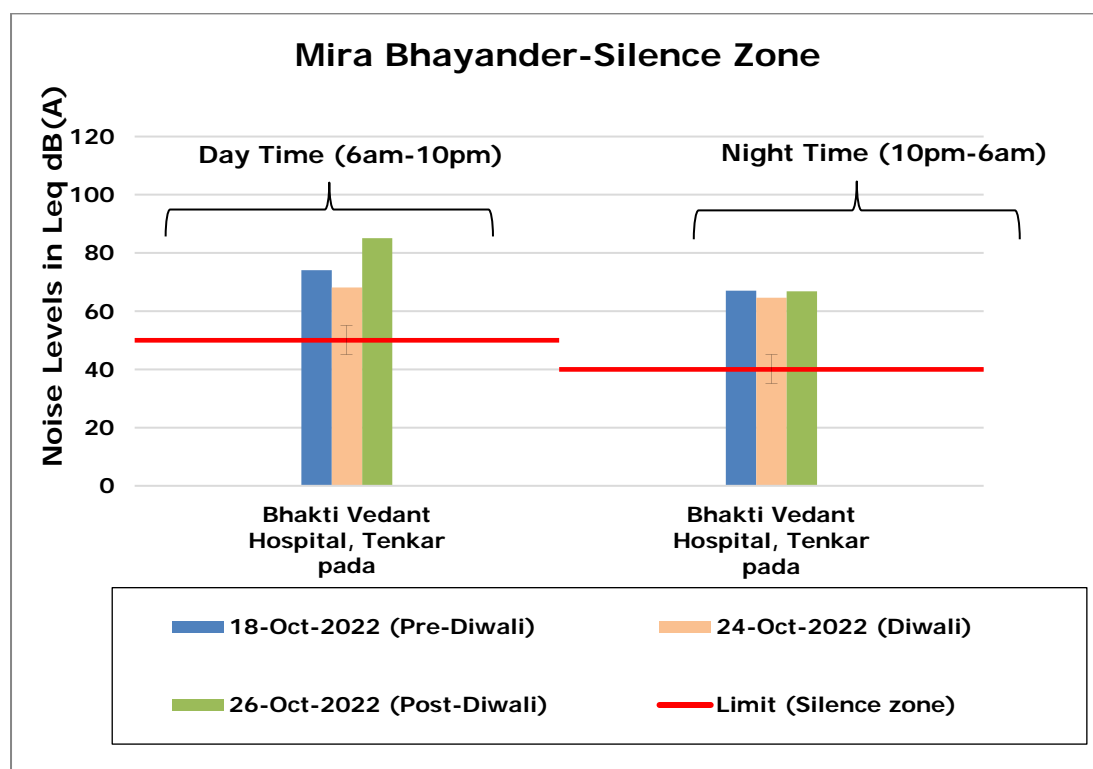
Pre-Diwali (18 <sup>th</sup> October 2022) – MIRA BHAYANDER												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Bhakti Vedant Hospital	74.1	50.6	85.5	77.7	69.8	60.1	67.1	36.0	80.3	69.8	48.8	39.6
Golden Police Chowki	76.5	47.9	88.9	79.3	72.6	61.8	67.1	36.0	80.3	69.8	48.8	39.5
Shivaji Chowk Kashi meera	79.0	45.9	96.3	78.2	69.3	60.6	62.3	54.7	69.7	65.3	61.0	56.6

Diwali (24 <sup>th</sup> October 2022) – 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	68.2	50.6	80.0	71.7	65.7	58.5	64.6	50.2	77.2	68.3	57.3	51.8

Diwali (24 <sup>th</sup> October 2022) – 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	77.7	41.2	89.0	81.0	74.9	58.7	67.1	55.0	77.8	72.1	58.7	55.3
Shivaji Chowk Kashi meera	86.1	45.1	99.0	88.5	70.2	54.2	69.5	54.7	81.6	72.6	64.9	61.5

Post-Diwali (26 <sup>th</sup> October 2022) – 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	85.1	42.1	99.1	88.1	66.7	54.1	66.8	30.4	76.8	72.5	55.8	46.3
Golden Police Chowki	83.4	55.8	94.4	87.7	77.3	68.6	59.8	50.0	68.2	65.1	55.6	51.2
Shivaji Chowk Kashi meera	68.3	52.2	88.5	67.7	62.2	57.5	65.6	53.7	73.9	69.2	62.3	56.2

Chart 4.14: Ambient Noise Levels during Diwali Festival - 2022 in Mira-Bhayander



#### 4.15 Vasai-Virar

At Vasai-Virar, N.B. Estate was observed with highest average decibels levels during daytime as well as nighttime on 24<sup>th</sup> and 26<sup>th</sup> October. However, on 18<sup>th</sup> October, Valiv Phata was observed with the highest equivalent noise levels during daytime (72.3dBA) and Range Office (60.4dBA) during nighttime.

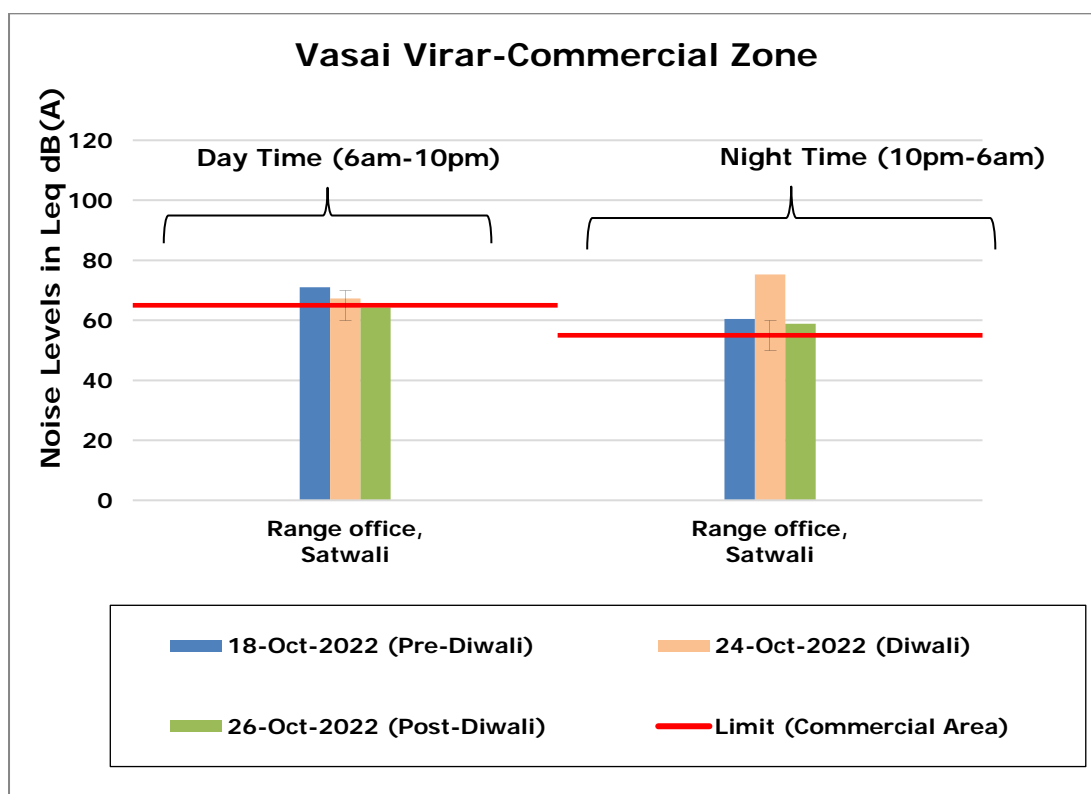
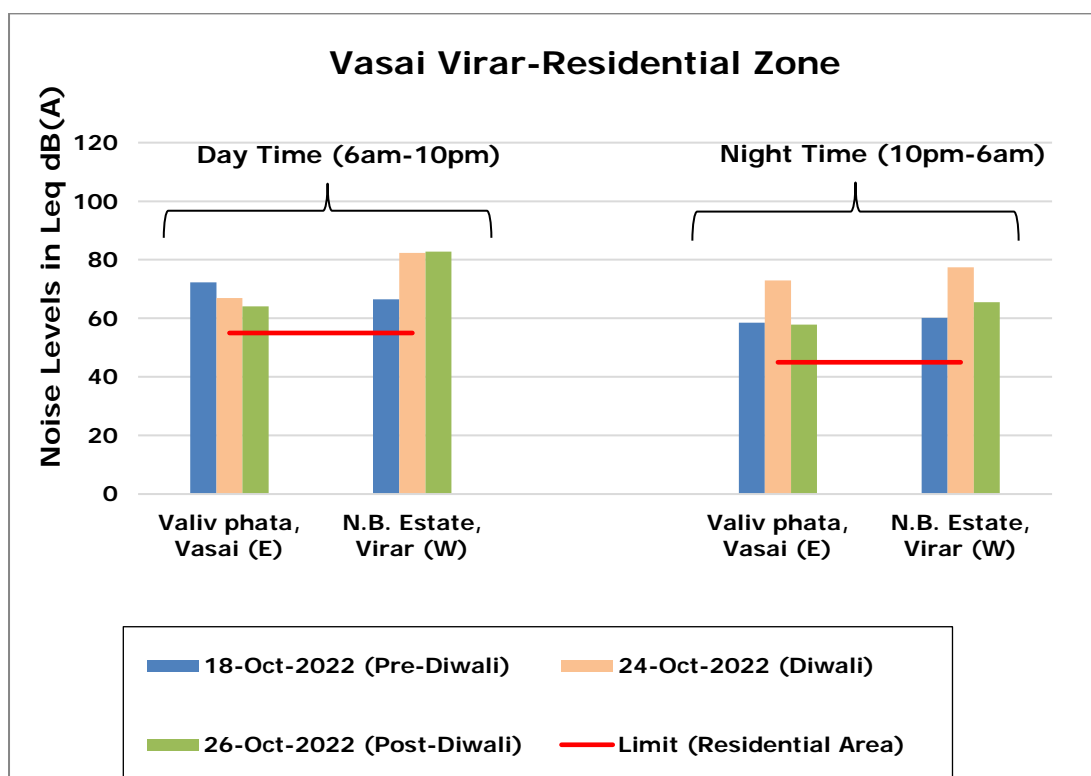
**Table 4.15: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Vasai-Virar**

Pre-Diwali (18 <sup>th</sup> October 2022) – 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	71.1	52.4	79.3	75.7	67.0	59.2	60.4	50.0	70.3	64.4	56.7	51.2
Valiv phata	72.3	50.1	87.7	76.4	63.1	53.3	58.5	50.4	67.6	61.3	54.9	51.2
N.B. Estate	66.5	54.3	75.9	70.0	62.9	57.9	60.2	50.4	67.5	64.7	58.4	52.1

Diwali (24 <sup>th</sup> October 2022) – 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	67.3	53.1	76.7	70.1	65.4	58.5	75.3	50.0	89.2	71.2	58.0	51.5
Valiv phata	66.9	51.2	80.1	70.2	62.2	54.4	73.0	50.7	87.2	77.3	56.7	52.2
N.B. Estate	82.4	60.2	94.5	86.3	79.5	72.9	77.4	67.3	87.3	79.1	75.8	69.4

Post-Diwali (26 <sup>th</sup> October 2022) – 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	64.2	52.2	76.0	67.6	62.2	57.3	58.8	50.0	66.4	62.2	56.5	51.1
Valiv phata	64.1	50.3	72.2	67.4	62.4	54.7	57.8	50.0	66.0	61.6	55.3	51.2
N.B. Estate	82.8	65.9	89.7	86.9	80.6	69.9	65.5	56.3	69.9	68.7	65.7	57.9

Chart 4.15: Ambient Noise Levels during Diwali Festival - 2022 in Vasai-Virar



## 4.16 Ulhasnagar

At Ulhasnagar three locations were monitored for checking the Diwali noise levels. On 18<sup>th</sup> October the highest noise level during day time was observed at Camp no.1 (73.6dBA). However, Camp no. 5 was found highest equivalent noise level during night time with 64.8dB (A). A similar pattern of noise level was observed on 24<sup>th</sup> October. However, on 26<sup>th</sup> October, Shivaji chowk was the loudest with 73dB(A) during daytime and Camp no. 1 was the loudest with 67.4dB(A) during nighttime.

**Table 4.16: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Ulhasnagar**

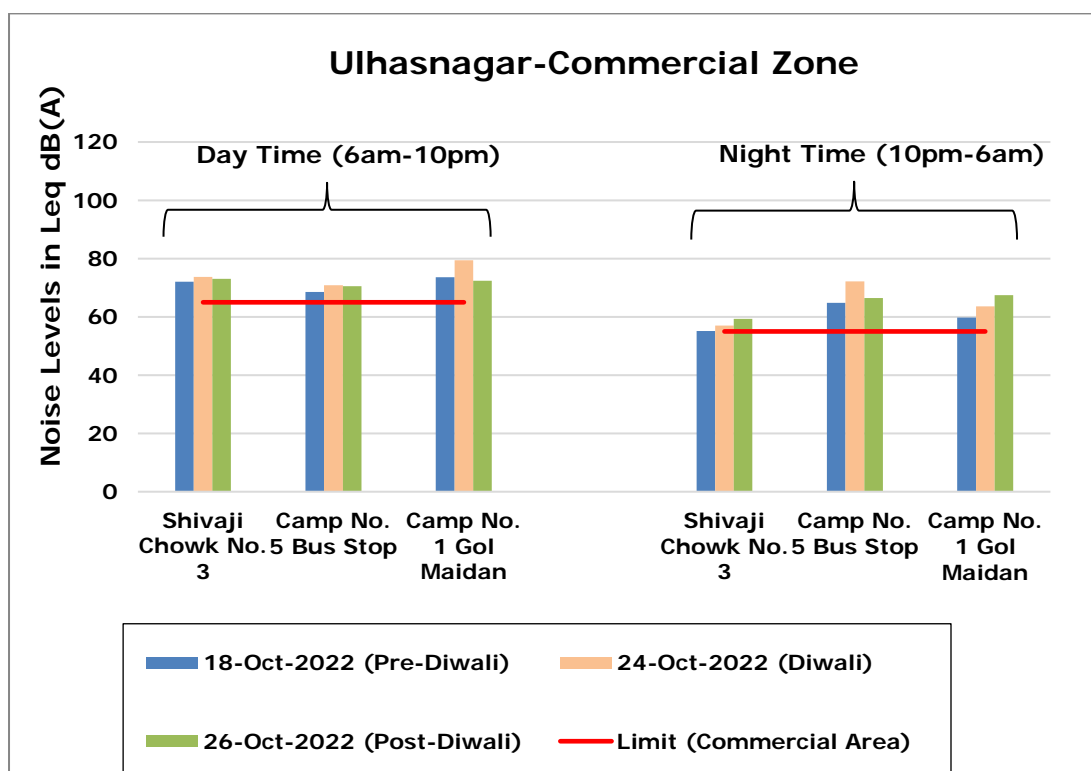
Pre-Diwali (18 <sup>th</sup> October 2022) - ULHASNAGAR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Shivaji Chowk	72.0	55.8	84.2	74.4	66.4	60.7	55.1	41.1	64.4	59.7	48.7	43.6
Camp No. 5	68.6	49.8	77.1	71.9	66.9	60.1	64.8	48.0	73.5	69.0	60.3	50.7
Camp No. 1	73.6	50.6	84.2	78.1	68.2	59.7	59.8	40.5	69.3	64.8	55.6	44.4

Diwali (24 <sup>th</sup> October 2022) - 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	73.7	51.3	86.7	78.1	68.2	61.1	57.1	40.4	70.1	57.0	47.0	42.1
Camp No. 5	70.9	47.3	83.3	75.0	66.3	56.6	72.2	47.8	84.2	78.0	60.6	51.6
Camp No. 1	79.5	46.2	96.1	79.5	73.5	62.0	63.6	44.0	72.1	68.8	58.2	50.6



Post-Diwali (26 <sup>th</sup> October 2022) - 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	73.0	41.3	86.4	78.4	68.0	59.3	59.3	41.1	72.8	61.7	48.4	41.6
Camp No. 5	70.6	41.7	88.2	71.8	64.8	53.4	66.5	42.3	76.5	70.4	55.5	46.9
Camp No. 1	72.4	44.3	93.1	70.3	64.4	52.3	67.4	39.3	76.5	71.3	59.6	45.8

Chart 4.16: Ambient Noise Levels during Diwali Festival - 2022 in Ulhasnagar



#### 4.17 Bhiwandi-Nizampur

In Bhiwandi-Nizampur also, three locations were monitored for ambient noise levels. On all three days of monitoring, Shelar Near Nadi Naka was observed with the highest average decibel levels during day time. However, on 18<sup>th</sup> October Dhamankar Naka (74.7dBA) was the loudest during nighttime. However, during nighttime of 24<sup>th</sup> and 26<sup>th</sup> October, Shelar Near Nadi Naka was the loudest with 70.1dBA and 68.7dBA respectively.

**Table 4.17: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Bhiwandi-Nizampur**

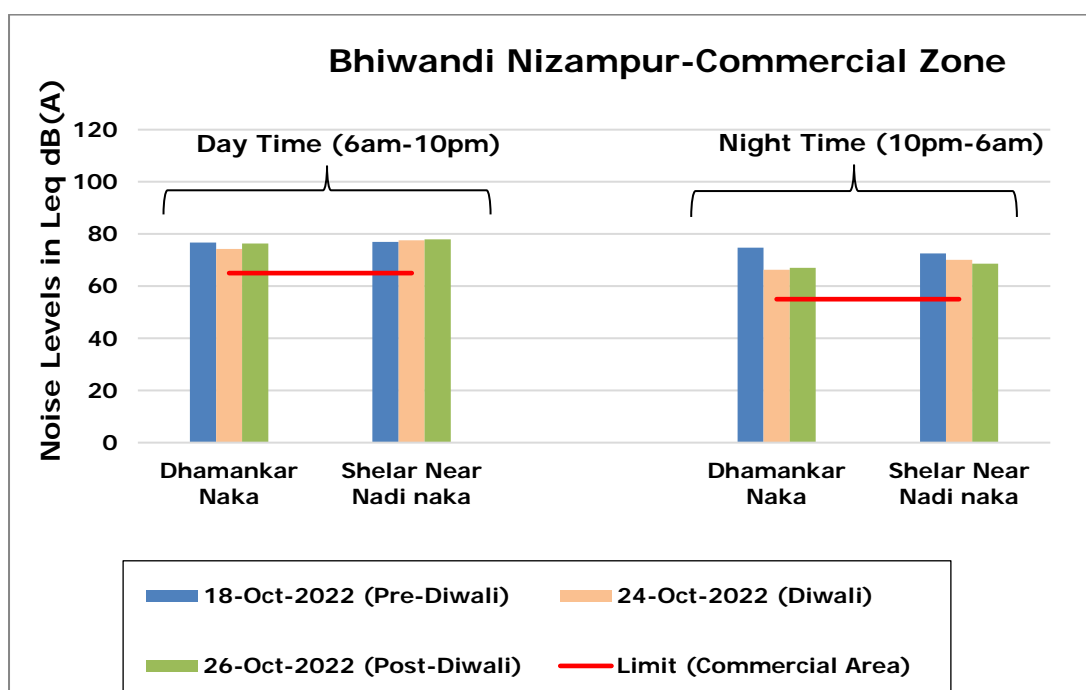
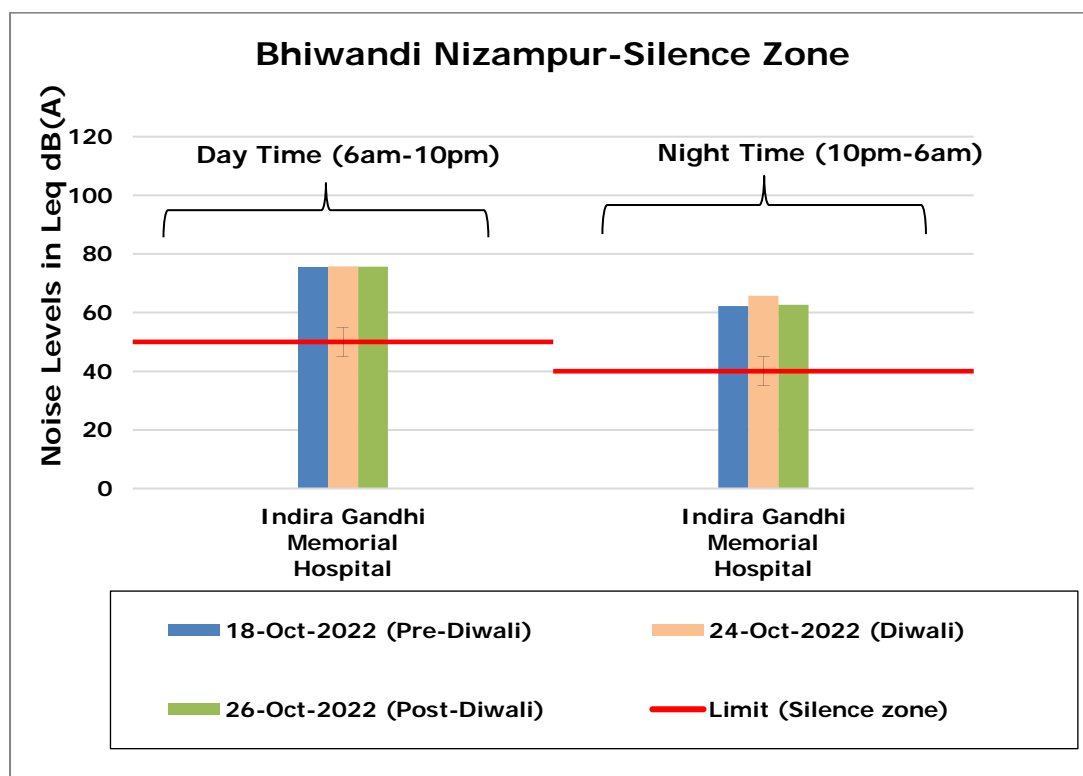
Pre-Diwali (18 <sup>th</sup> October 2022) – BHIWANDI-NIZAMPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Dhamankar Naka	76.8	59.4	89.2	80.8	71.8	65.8	74.7	46.8	86.3	79.2	65.4	52.9
Indira Gandhi Memorial Hospital	75.6	49.1	88.9	78.6	70.0	60.2	62.3	45.5	70.4	65.6	59.5	51.4
Shelar Near Nadi naka	77.0	53.4	89.5	79.4	74.1	64.7	72.6	48.4	87.4	76.9	64.3	53.5

Diwali (24 <sup>th</sup> October 2022) – 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	74.3	55.2	86.7	77.4	70.3	62.4	66.3	53.7	76.7	68.8	64.9	60.1
Indira Gandhi Memorial Hospital	75.8	54.4	88.5	79.1	69.6	60.4	65.7	48.0	79.4	68.4	60.4	53.8

Diwali (24 <sup>th</sup> October 2022) – 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>
Shelar Near Nadi naka	77.5	54.2	88.9	79.5	76.1	69.5	70.1	52.4	79.8	74.6	63.8	56.5

Post-Diwali (26 <sup>th</sup> October 2022) – 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	76.4	50.4	89.2	78.7	71.3	61.8	67.0	50.5	78.1	69.5	63.1	56.3
Indira Gandhi Memorial Hospital	75.6	50.6	87.4	79.4	70.5	60.4	62.7	48.0	70.4	67.5	59.4	52.2
Shelar Near Nadi naka	77.9	54.2	88.7	80.4	76.4	68.4	68.7	50.4	79.8	72.5	60.6	53.4

**Chart 4.17: Ambient Noise Levels during Diwali Festival - 2022 in Bhiwandi-Nizampur**



## 4.18 Chandrapur

In Chandrapur, the highest equivalent noise level during day time was observed at Jatpura gate i.e. 77.5 dB(A) and during night Gandhi Chowk was the loudest with 61.8dB(A) respectively. On Laxmi Poojan, the noise level during day time and nighttime was found highest at Jatpura gate i.e. 76.2 dB(A) and 72.6 dB(A) respectively. On 26<sup>th</sup> October, the Warora Naka was the loudest during whole day with 72.5 dB(A) during daytime and 67.9dB(A) during nighttime.

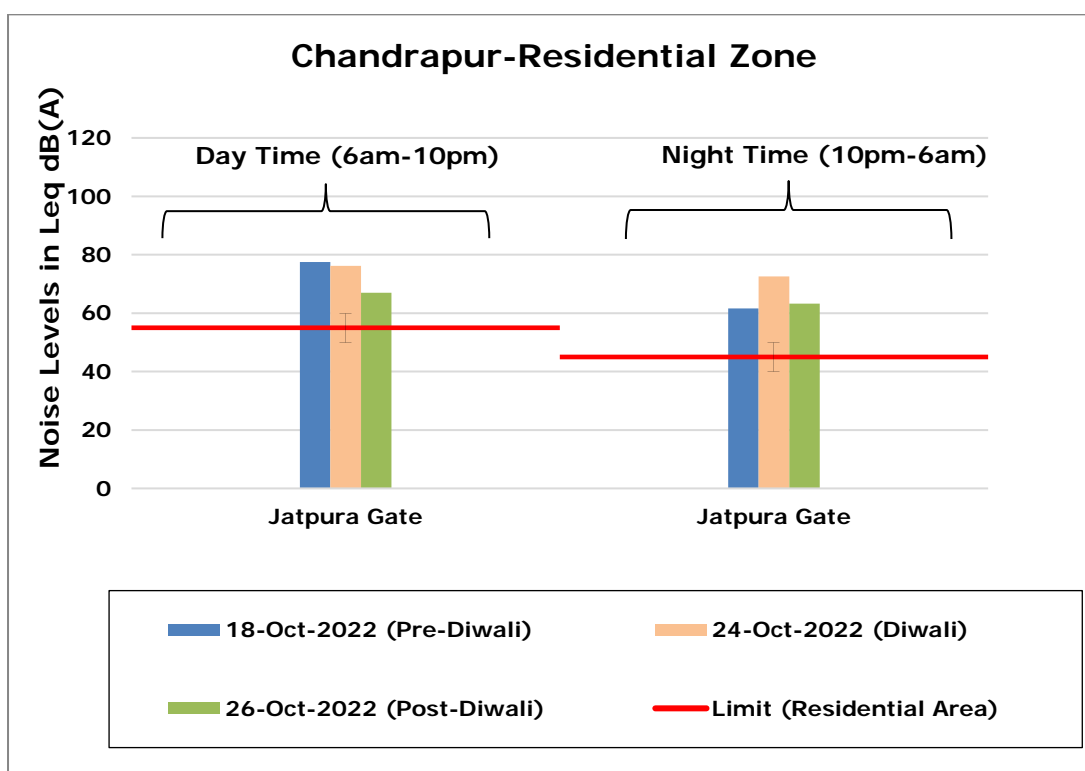
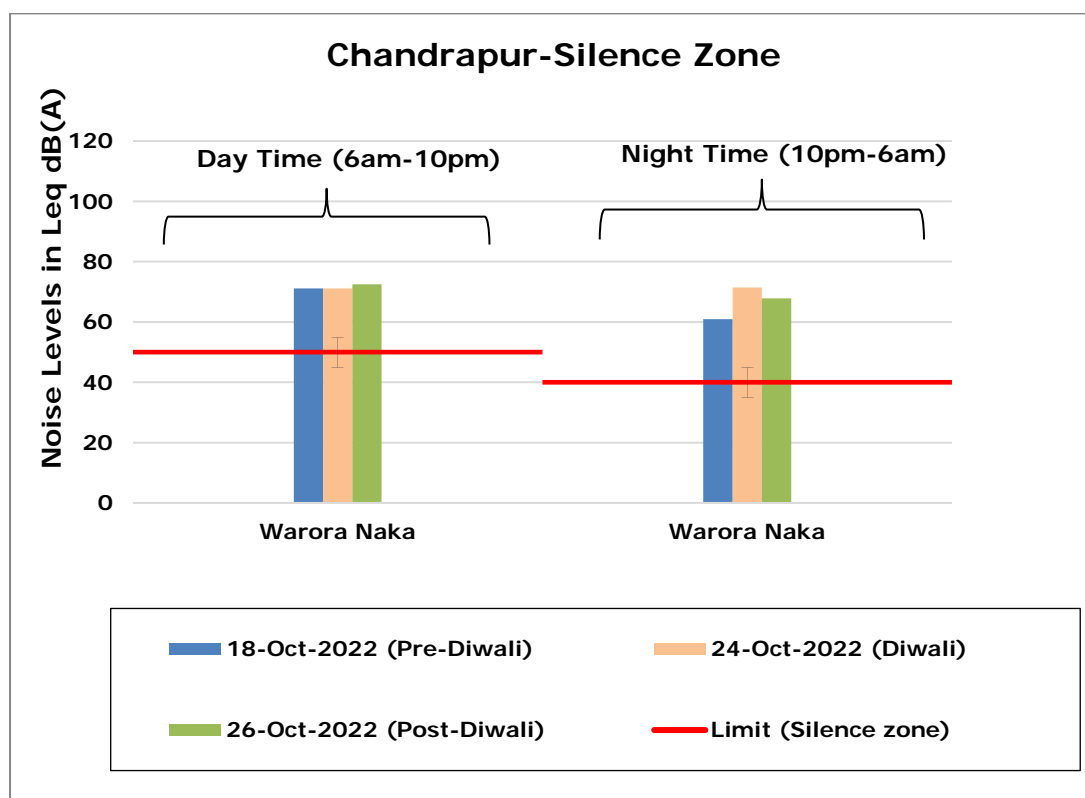
**Table 4.18: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Chandrapur**

Pre-Diwali (18 <sup>th</sup> October 2022) - 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	71.1	60.5	78.7	74.2	70.0	64.8	61.8	44.2	72.3	65.7	58.4	50.1
Jatpura Gate	77.5	56.8	97.9	76.6	70.3	65.7	61.7	50.3	69.1	65.5	59.0	54.0
Warora Naka	71.1	56.7	82.5	75.4	66.4	61.1	60.9	44.9	69.1	64.2	59.2	49.9

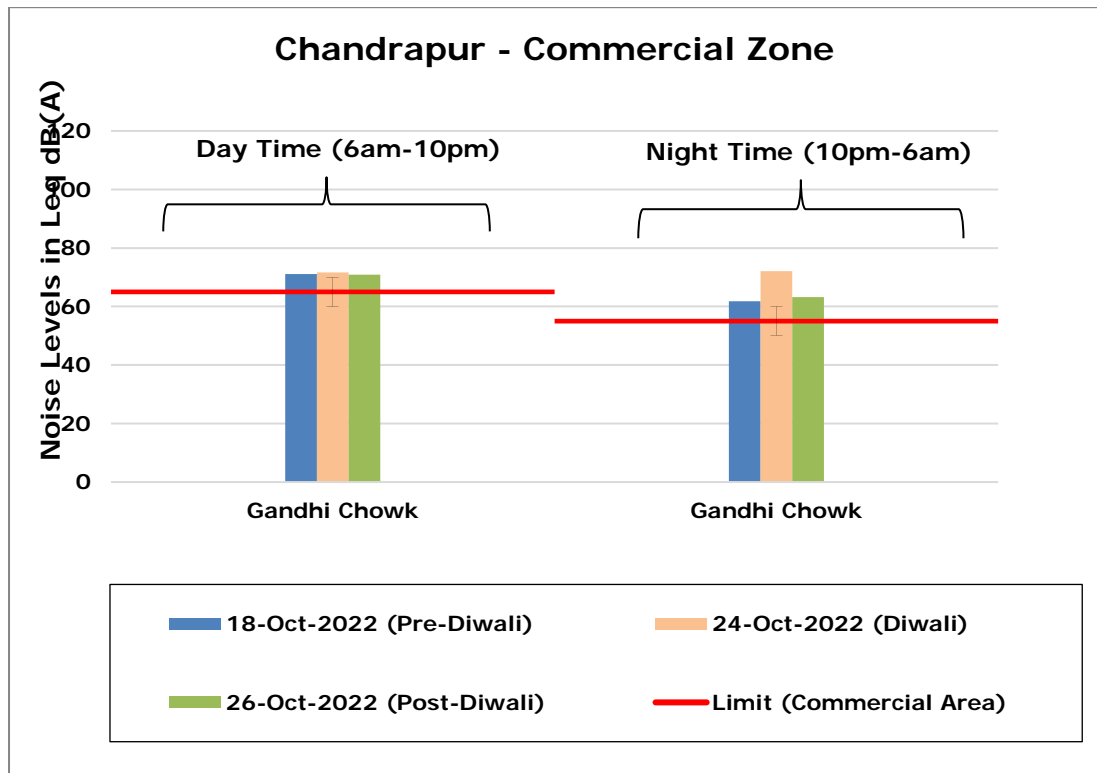
Diwali (24 <sup>th</sup> October 2022) - CHANDRAPUR												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Gandhi Chowk	71.7	54.4	85.3	73.9	64.9	60.3	72.1	41.9	83.9	76.4	59.1	46.3
Jatpura Gate	76.2	55.4	84.5	79.8	73.1	65.5	72.6	53.1	86.7	76.2	65.7	55.6
Warora Naka	71.1	54.9	84.7	73.2	66.0	60.4	71.4	54.2	82.7	75.4	65.1	59.7

Post-Diwali (26 <sup>th</sup> October 2022) - 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	70.9	54.7	82.6	74.2	68.1	62.1	63.3	50.2	74.5	66.7	58.6	53.3
Jatpura Gate	67.0	51.7	75.1	70.8	64.9	58.5	63.3	47.6	69.9	68.2	60.0	50.1
Warora Naka	72.5	50.4	84.4	75.8	69.3	60.4	67.9	51.2	83.2	67.4	59.7	54.3

Chart 4.18: Ambient Noise Levels during Diwali Festival - 2022 in Chandrapur







#### 4.19 Nanded-Waghala

At Nanded-Waghala also, three locations were monitored. The equivalent noise level on 18<sup>th</sup> October and 26<sup>th</sup> October during day time was observed highest at Shree Guru GovindSingh Govt. Medical College & Hospital. On 24<sup>th</sup> October, Ganesh Nagar had the highest noise level during daytime (58.2dB(A)). However, during night time, Shree Guru GovindSingh Govt. Medical College & Hospital was recorded with highest equivalent noise level with 58.9 dB(A).

**Table 4.19: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Nanded-Waghala**

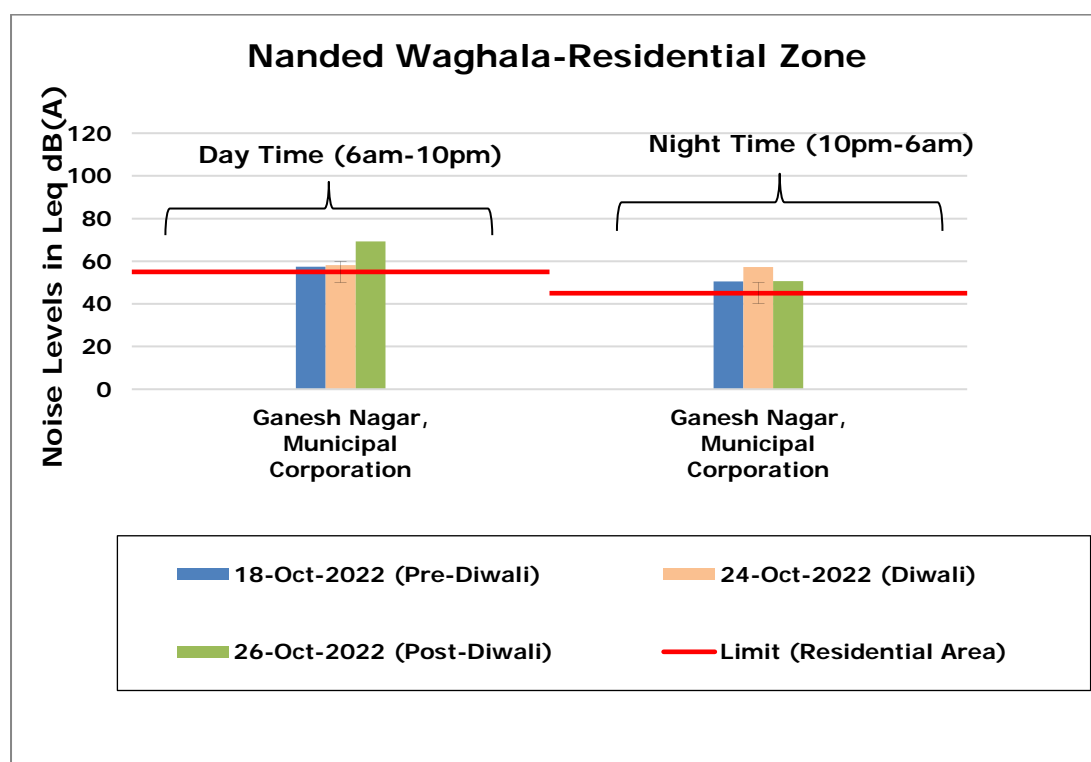
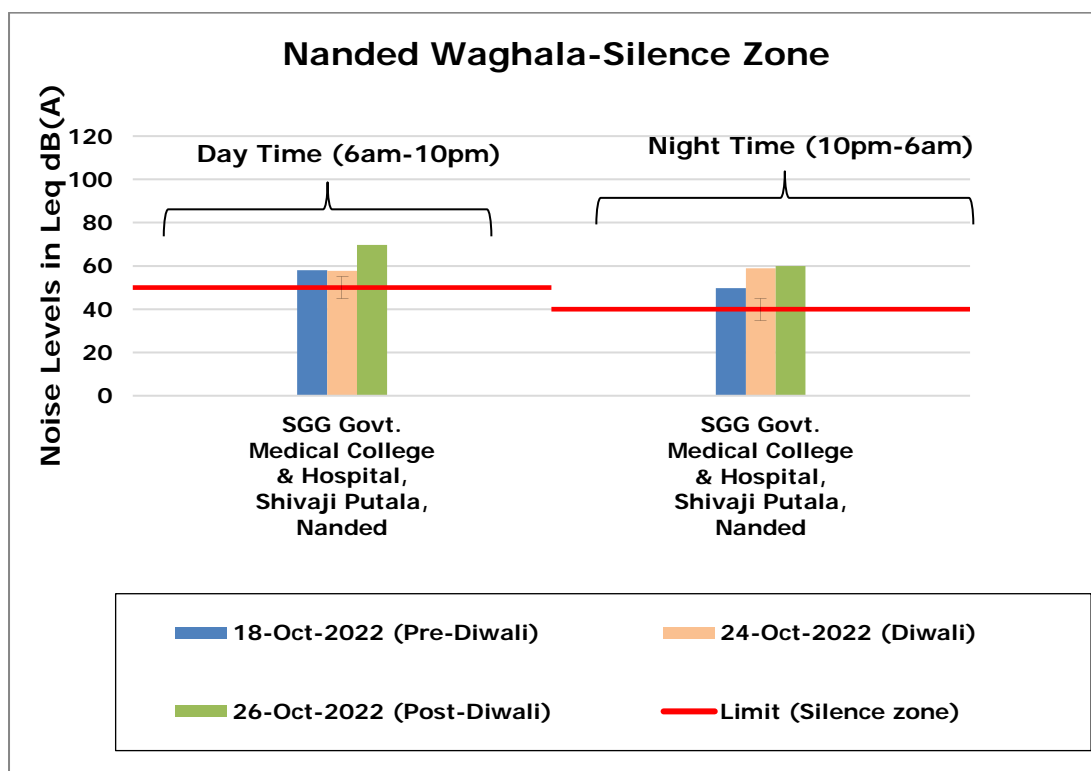
Pre-Diwali (18 <sup>th</sup> October 2022) – NANDED WAGHALA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ganesh Nagar	57.4	55.1	61.8	60.1	56.2	51.0	50.5	49.1	52.2	53.2	49.5	46.3
Shivaji Nagar	57.1	54.6	59.3	60.1	56.0	50.2	49.8	48.1	50.8	52.1	49.4	45.6
SGG Govt. Medical College & Hospital	58.0	56.5	59.3	61.4	57.1	52.1	49.7	48.9	50.8	52.4	49.4	45.2

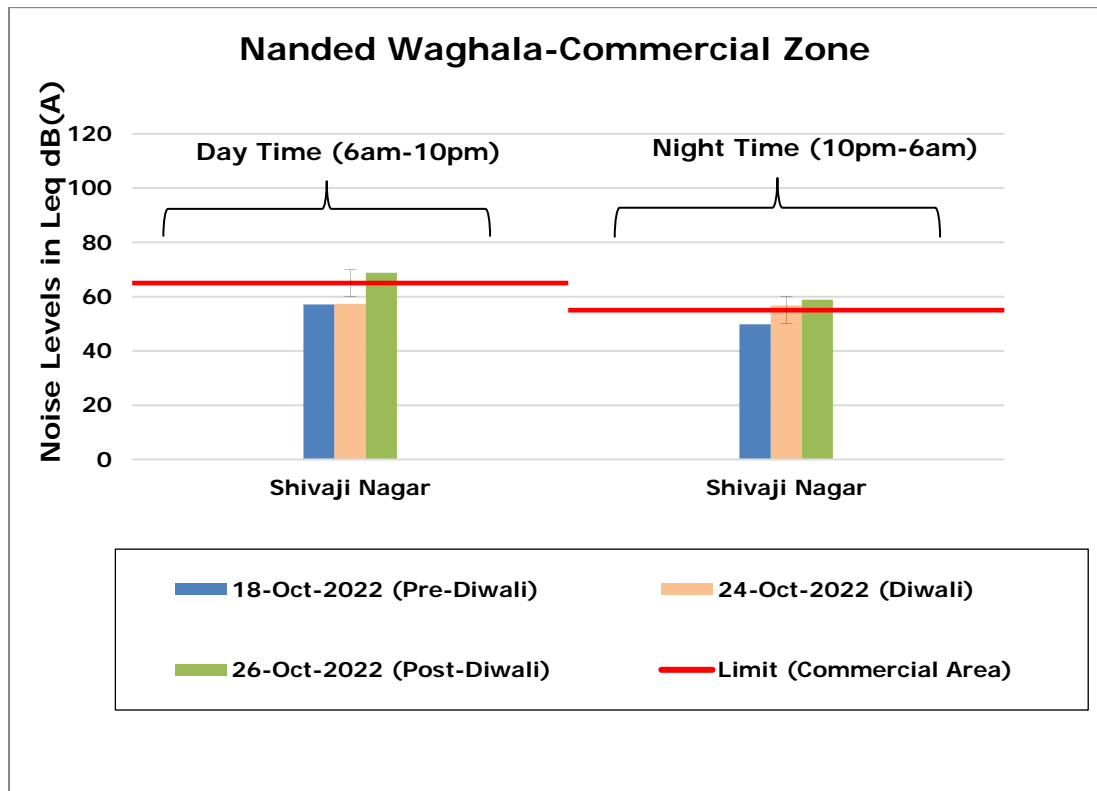
Diwali (24 <sup>th</sup> October 2022) - NANDED WAGHALA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Ganesh Nagar	58.2	50.6	65.0	61.5	57.0	52.4	57.3	41.0	65.0	63.0	49.0	41.9
Shivaji Nagar	57.4	50.1	65.8	60.4	55.6	52.1	56.7	40.0	68.0	62.0	51.0	42.0

Diwali (24 <sup>th</sup> October 2022) - 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	57.7	50.1	65.8	60.3	56.9	52.9	58.9	41.0	68.0	64.0	51.0	46.9

Post-Diwali (26 <sup>th</sup> October 2022) - 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	69.2	51.0	74.0	72.0	70.0	58.0	50.6	37.0	59.0	54.1	47.0	39.0
Shivaji Nagar	68.8	51.0	74.0	72.0	69.0	59.0	58.9	37.0	69.0	64.0	50.0	41.0
SGG Govt. Medical College & Hospital	69.7	51.0	79.0	72.0	69.0	60.0	59.9	41.0	69.0	65.0	49.0	41.9

**Chart 4.19: Ambient Noise Levels during Diwali Festival - 2022 in Nanded-Waghala**





## 4.20 Ahmednagar

On 18<sup>th</sup> October, the equivalent noise level during day (69.6dBA) as well as night time (60.6dBA) was observed highest at old bus stand. On 24<sup>th</sup> October and 26<sup>th</sup> October, the highest equivalent noise level both during day time was observed at Kotala Chowk.

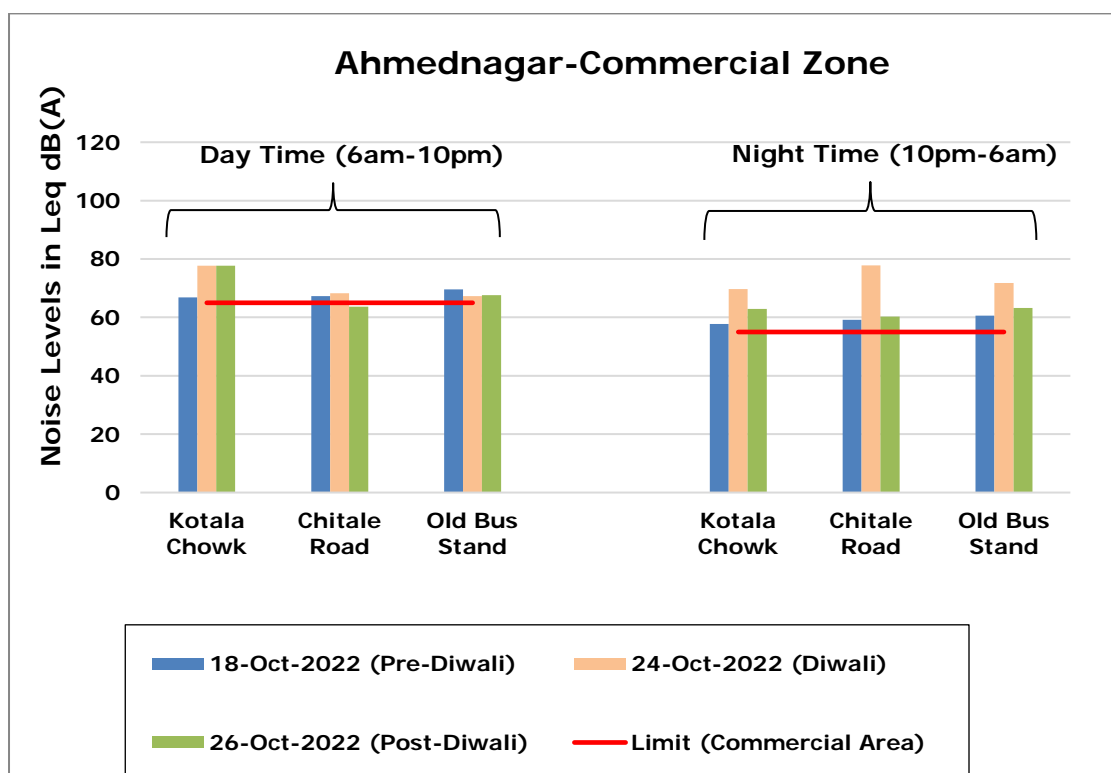
**Table 4.20: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Ahmednagar**

Pre-Diwali (18 <sup>th</sup> October 2022) - 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	57.8	50.0	65.0	63.0	55.0	52.0
Chitale Road	67.3	54.0	72.0	70.1	67.0	58.0	59.1	51.0	66.0	63.0	58.0	52.0
Old Bus Stand	69.6	54.0	75.5	72.0	70.0	57.0	60.6	51.0	66.0	65.0	58.0	52.0

Diwali (24 <sup>th</sup> October 2022) - 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	53.0	77.0	74.0	63.0	55.0	69.7	54.0	79.0	76.2	59.5	56.0
Chitale Road	68.3	54.0	76.0	74.0	64.0	56.0	77.8	56.0	87.0	84.0	63.0	57.0
Old Bus Stand	67.3	54.0	75.0	72.0	64.0	56.0	71.8	56.0	79.0	78.0	62.0	58.0

Post-Diwali (26 <sup>th</sup> October 2022) - 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	52.0	74.0	71.1	66.0	61.0	63.0	54.0	68.0	66.0	62.0	57.0
Chitale Road	63.7	58.0	69.0	66.0	63.0	60.0	60.3	54.0	66.0	63.0	59.0	56.0
Old Bus Stand	67.6	55.0	74.0	71.0	67.0	59.0	63.2	54.0	69.0	65.0	63.0	58.0

Chart 4.20: Ambient Noise Levels during Diwali Festival - 2022 in Ahmednagar





## 4.21 Dhule

At Dhule, out of three locations monitored, the equivalent noise level during day and night time was observed highest at Santoshi Mata Chowk on first day of monitoring i.e. on 18<sup>th</sup> October. On the Laxmi poojan day i.e. on 24<sup>th</sup> October, the highest noise level during day time was recorded highest at Agarsen Chowk (70.3dBA) and during night time it was observed highest at Santoshi Mata Chowk with 73.7 dB(A) respectively. On 26<sup>th</sup> October, the highest noise level during day time and during night time was observed at Agarsen Chowk with 69.5dB(A) and 65.6dB(A) respectively.

**Table 4.21.: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Dhule**

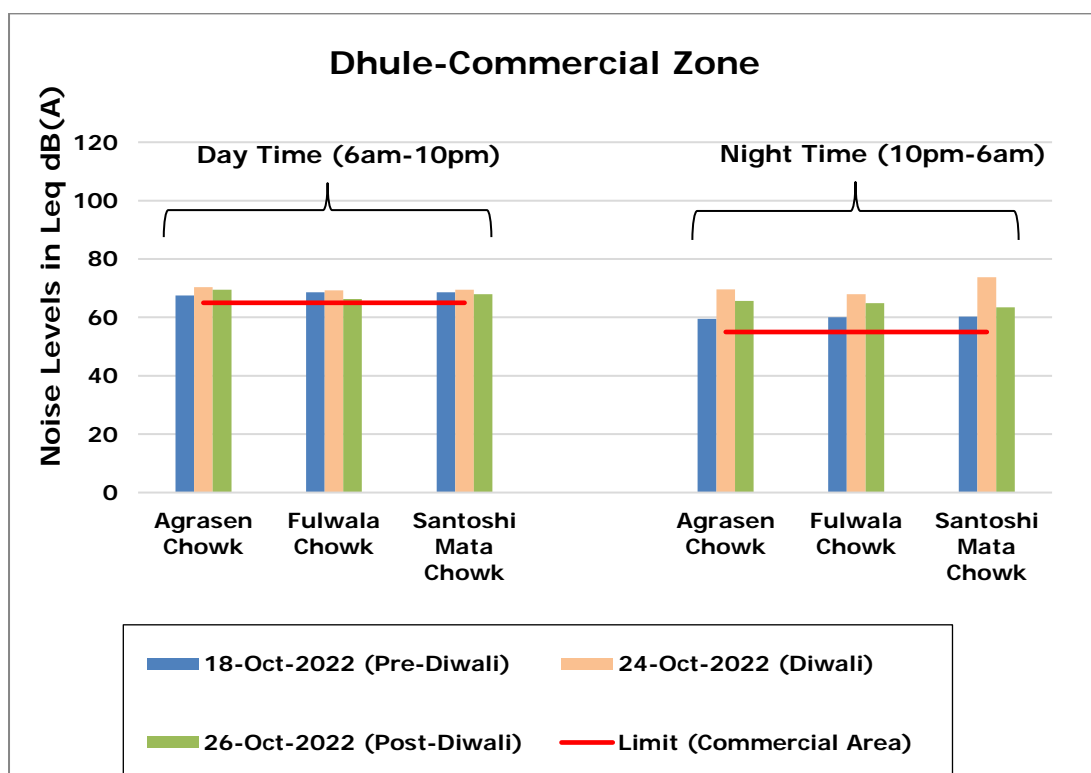
Pre-Diwali (18 <sup>th</sup> October 2022) - DHULE												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Agrasen Chowk	67.5	52.0	72.0	71.0	67.0	58.0	59.5	51.0	67.0	65.0	56.0	53.0
Fulwala Chowk	68.6	55.0	75.0	72.0	67.0	62.0	60.0	52.0	68.0	64.0	57.5	53.0
Santoshi Mata Chowk	68.6	54.0	73.0	72.0	68.0	59.0	60.2	51.0	68.0	65.0	57.5	53.9

Diwali (24 <sup>th</sup> October 2022) - 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	70.3	60.0	76.0	74.0	69.5	63.0	69.5	54.0	78.0	76.0	63.0	58.0
Fulwala Chowk	69.3	56.0	77.0	73.0	66.0	58.0	67.9	54.0	76.0	73.1	60.0	56.9

Diwali (24 <sup>th</sup> October 2022) - 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	69.5	51.0	77.0	75.0	65.0	58.0	73.7	54.0	83.0	80.0	63.0	56.0

Post-Diwali (26 <sup>th</sup> October 2022) - 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	69.5	61.0	75.0	73.0	69.5	62.0	65.6	58.0	72.0	70.0	63.0	60.0
Fulwala Chowk	66.3	56.0	74.0	70.0	63.0	58.9	64.9	58.0	71.0	69.0	62.0	60.0
Santoshi Mata Chowk	67.9	54.0	73.0	71.0	67.0	58.0	63.5	57.0	69.0	68.0	61.0	58.0

Chart 4.21: Ambient Noise Levels during Diwali Festival - 2022 in Dhule



## 4.22 Malegaon

At Malegaon, out of three locations monitored, the equivalent noise level both during day and night was observed highest at Mosampul on 18<sup>th</sup> October. However, on the Laxmi poojan day i.e. on 24<sup>th</sup> October, the highest noise level during day and night time both, was observed at Satana Naka. On 26<sup>th</sup> October, the highest noise level during day time and during night time was observed at Malegaon Camp with 68.5 dB(A) and 65.2dB(A) respectively.

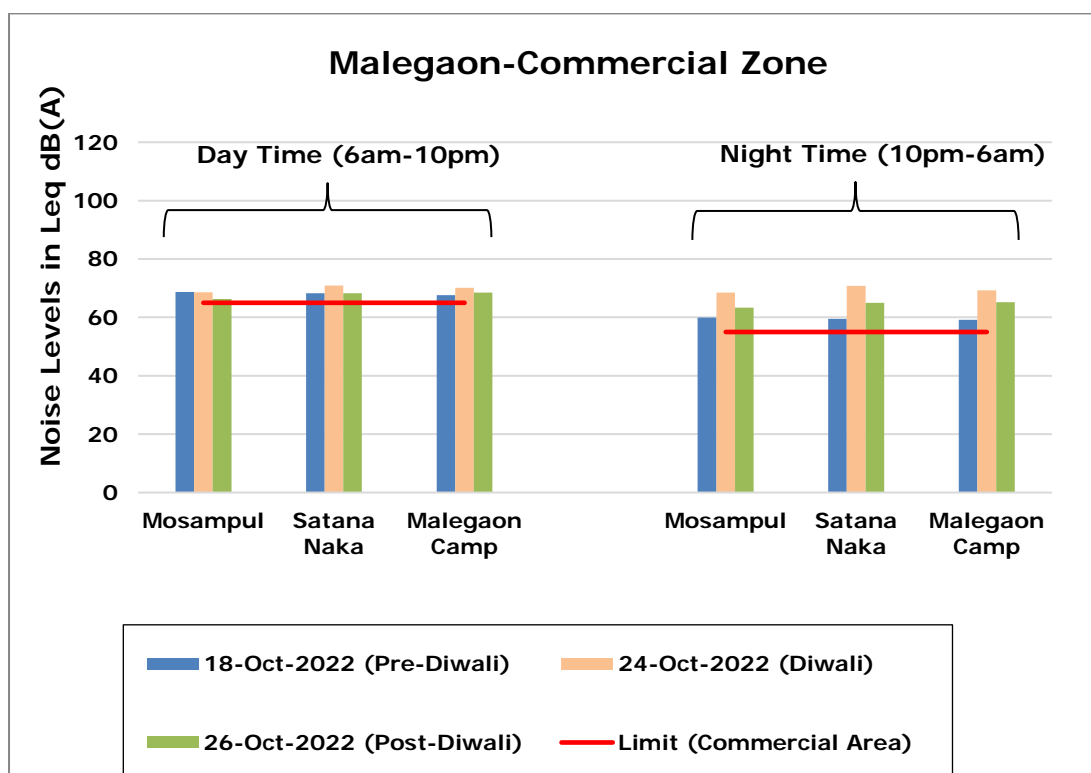
**Table 4.22: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Malegaon**

Pre-Diwali (18 <sup>th</sup> October 2022) - 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	68.7	57.0	74.0	72.0	68.0	59.0	59.9	52.0	68.0	65.0	58.0	54.0
Satana Naka	68.3	54.0	75.0	72.0	66.5	58.0	59.5	52.0	65.0	63.1	58.0	54.0
Malegaon Camp	67.6	55.0	74.0	72.0	65.5	59.0	59.2	54.0	65.0	63.0	58.0	55.0

Diwali (24 <sup>th</sup> October 2022) - 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	68.5	54.0	76.0	74.0	64.0	58.0
Satana Naka	70.9	54.0	76.0	74.0	71.0	58.9	70.8	60.0	80.0	76.2	64.0	60.0
Malegaon Camp	70.2	58.0	76.0	74.0	69.0	62.0	69.3	54.0	79.0	75.1	61.0	56.0

Post-Diwali (26 <sup>th</sup> October 2022) - 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	66.3	56.0	74.0	70.0	63.0	58.9	63.4	56.0	69.0	68.0	60.0	56.9
Satana Naka	68.3	57.0	74.0	72.0	68.0	60.0	65.0	57.0	69.0	69.0	63.0	58.0
Malegaon Camp	68.5	57.0	73.0	72.0	68.0	59.0	65.2	58.0	71.0	69.0	64.0	59.0

Chart 4.22: Ambient Noise Levels during Diwali Festival - 2022 in Malegaon



## 4.23 Pimpri-Chinchwad

At Pimpri-Chinchwad also, three locations were monitored. On 18<sup>th</sup> October the highest equivalent noise level during day time was examined at Pimpri (77.9dBA) and during night at Chinchwad (67.5dBA) respectively. On the Laxmi poojan day i.e. on 24<sup>th</sup> October, the equivalent noise level during day time and during night time was observed at Chinchwad with 84.4 dB(A) and Thergaon with 69.3 dB(A) respectively. On 26<sup>th</sup> October, the highest noise level during day as well as at night time was observed highest at Chinchwad with 85.6 dB(A) and 70.1 dB(A) respectively.

**Table 4.23: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Pimpri-Chinchwad**

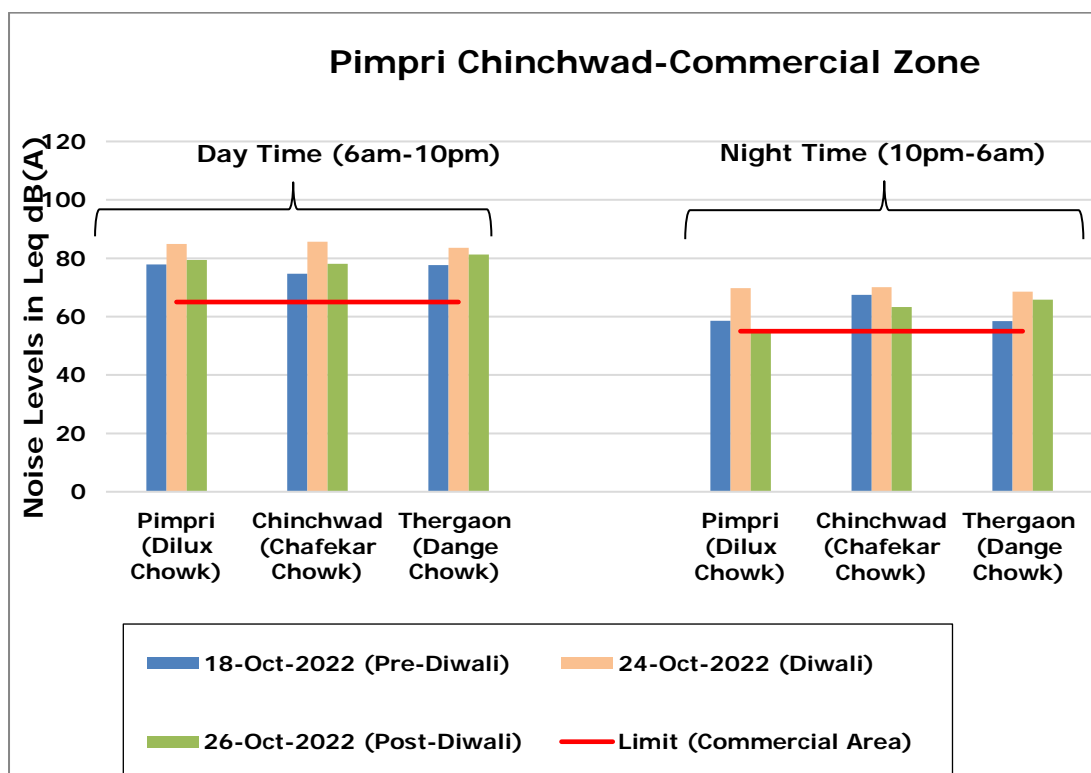
Pre-Diwali (18 <sup>th</sup> October 2022) - PIMPRI-CHINCHWAD												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Pimpri	77.9	53.9	87.3	82.3	75.2	61.3	58.6	41.7	69.9	63.3	50.6	42.8
Chinchwad	74.7	64.6	77.9	76.9	74.7	69.0	67.5	41.4	78.2	71.1	61.1	45.0
Thergaon	77.7	60.2	85.4	81.4	75.3	68.2	58.5	42.2	66.1	63.8	53.7	45.9

Diwali (24 <sup>th</sup> October 2022) - 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	84.9	64.5	94.5	90.1	80.2	72.2	69.8	41.5	83.4	72.2	58.2	44.2
Chinchwad	85.6	73.9	101.5	87.5	77.1	75.3	70.1	41.0	81.6	74.3	59.4	46.5
Thergaon	83.6	65.9	94.2	88.5	76.3	69.3	68.6	42.7	79.6	74.2	60.1	46.2

Post-Diwali (26 <sup>th</sup> October 2022) - 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	79.4	56.4	88.4	83.3	75.9	64.4	55.4	41.7	64.3	60.9	47.6	43.7
Chinchwad	78.1	64.4	86.5	81.3	75.0	72.4	63.2	42.6	74.6	65.5	55.4	44.1
Thergaon	81.2	62.5	90.7	86.6	76.2	69.3	65.8	42.9	78.8	70.8	51.4	44.8



**Chart 4.23: Ambient Noise Levels during Diwali Festival - 2022 in Pimpri-Chinchwad**



## 4.24 Parbhani

At Parbhani, the maximum and minimum equivalent noise level on 18<sup>th</sup> October was observed as 58.9dBA and 55.6dBA respectively. On 24<sup>th</sup> October (Laxmi Poojan) the highest equivalent noise level during day time (56.2dBA) as well as during night time (62.6dBA) was observed at Shivaji Chowk. On 26<sup>th</sup> October, the equivalent noise level during day time was observed highest at Shivaji Chowk and Shivaji Maharaj Putala (70.3dBA) and lowest at Raigad Corner (46.5dBA).

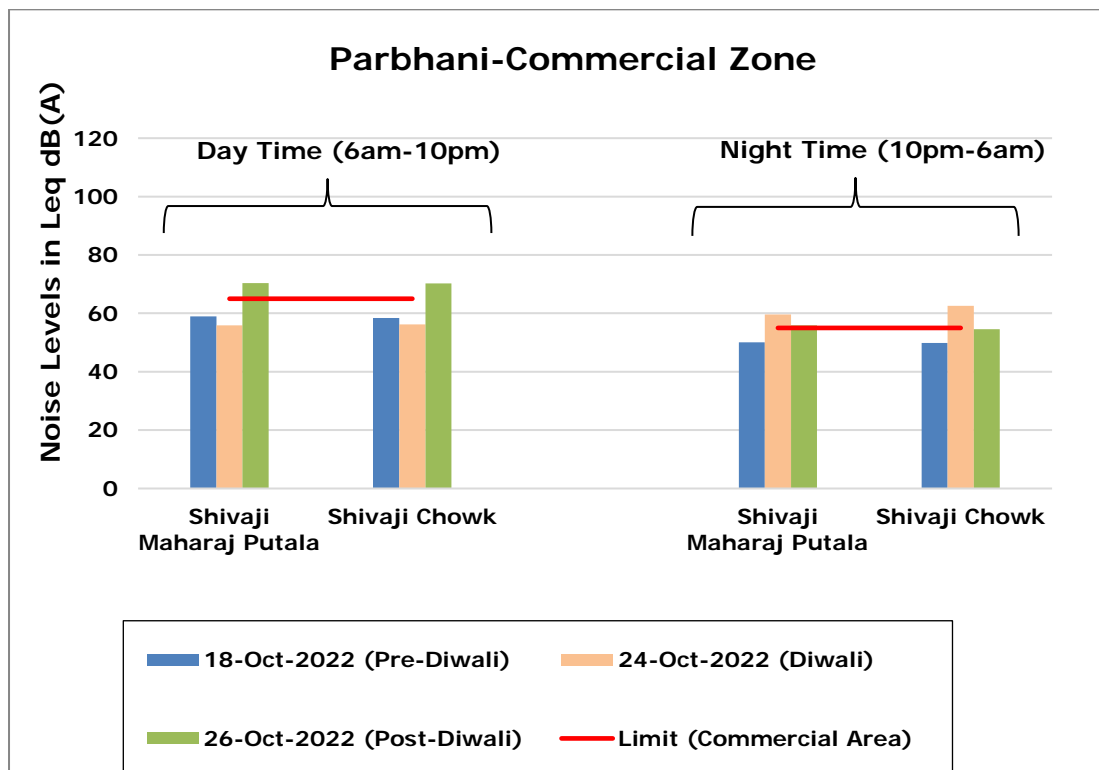
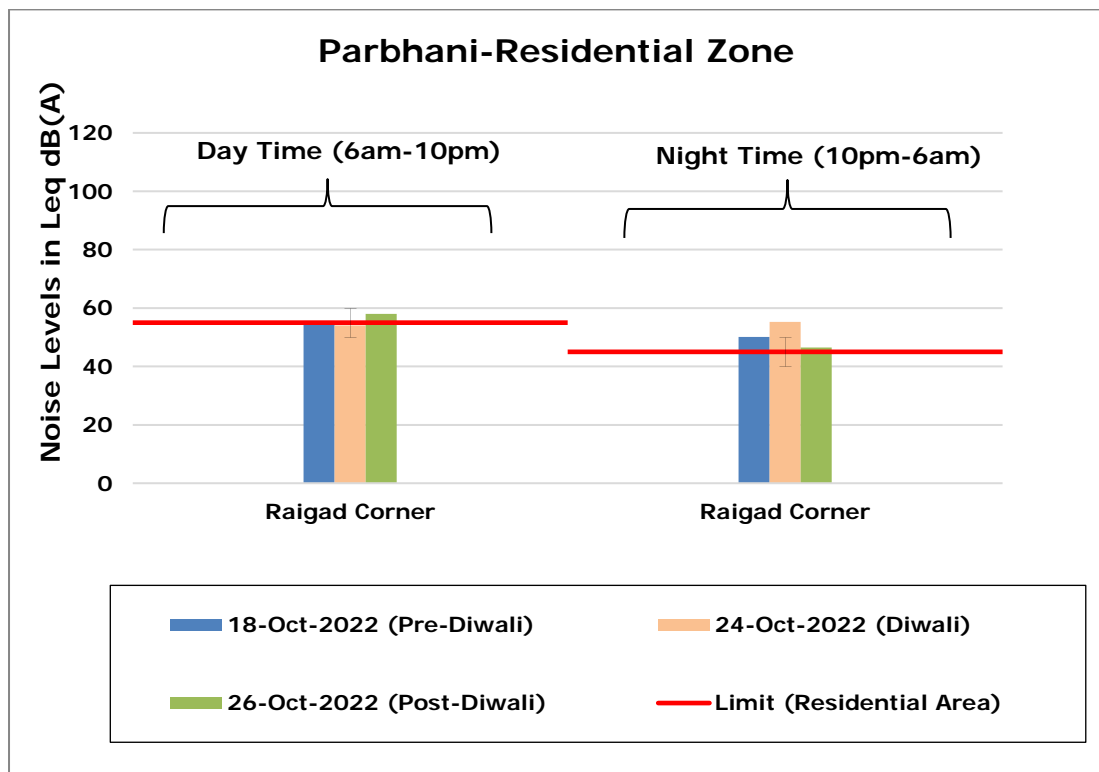
**Table 4.24: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Parbhani**

Pre-Diwali (18 <sup>th</sup> October 2022) - 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	58.9	56.7	60.6	62.0	57.4	52.8	50.1	49.5	51.0	52.6	49.5	45.7
Shivaji Chowk	58.4	51.4	60.5	61.8	57.6	51.7	49.8	47.8	51.3	52.6	49.0	45.5
Raigad Corner	55.6	53.0	57.1	59.2	53.2	48.2	50.1	48.5	51.1	52.3	49.3	46.3

Diwali (24 <sup>th</sup> October 2022) - 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	55.9	48.0	65.0	59.0	54.2	51.0	59.6	41.0	67.0	65.0	51.0	42.0
Shivaji Chowk	56.2	48.0	63.0	59.1	55.0	51.0	62.6	41.0	70.0	68.0	51.0	44.8
Raigad Corner	54.0	45.0	60.0	57.0	53.0	50.0	55.2	37.0	65.0	61.0	45.0	40.0

Post-Diwali (26 <sup>th</sup> October 2022) - 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	70.3	49.0	76.0	73.0	71.0	56.0	55.9	38.0	67.0	62.0	47.5	40.9
Shivaji Chowk	70.3	51.0	79.0	74.0	69.5	53.9	54.6	41.0	64.0	62.0	47.0	41.0
Raigad Corner	58.0	47.0	64.0	62.0	55.0	50.9	46.5	37.0	54.0	51.0	42.0	39.0

Chart 4.24: Ambient Noise Levels during Diwali Festival - 2022 in Parbhani



## 4.25 Latur

At Latur, three locations were monitored. Out of these three, on 18<sup>th</sup> October, the highest equivalent noise level during day time (60.8dBA) and night time (50.4dBA) was observed at Ganjgolai and Kesharaj High school respectively. However, Kesharaj High school and Ganjgolai, both were observed with highest equivalent noise level on 24<sup>th</sup> October i.e. on Diwali day. On 26<sup>th</sup> October, the highest equivalent noise level was again observed at Ganjgolai during daytime (69.6dBA) as well as during night time (58.6dBA).

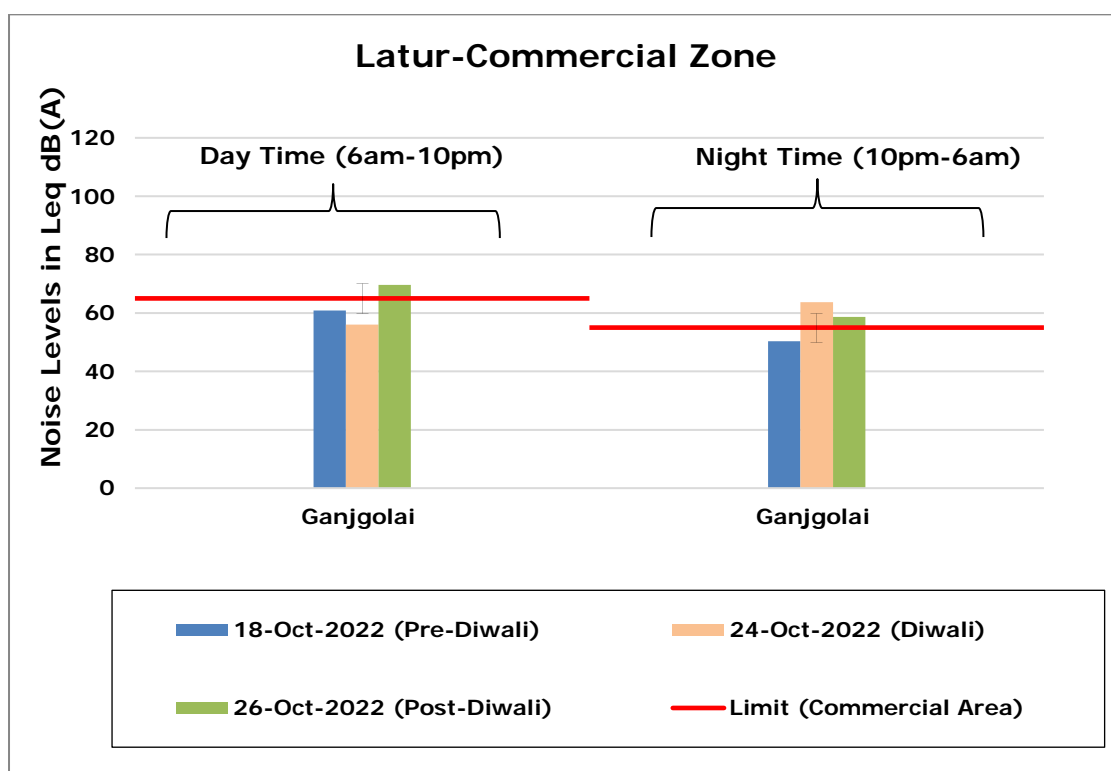
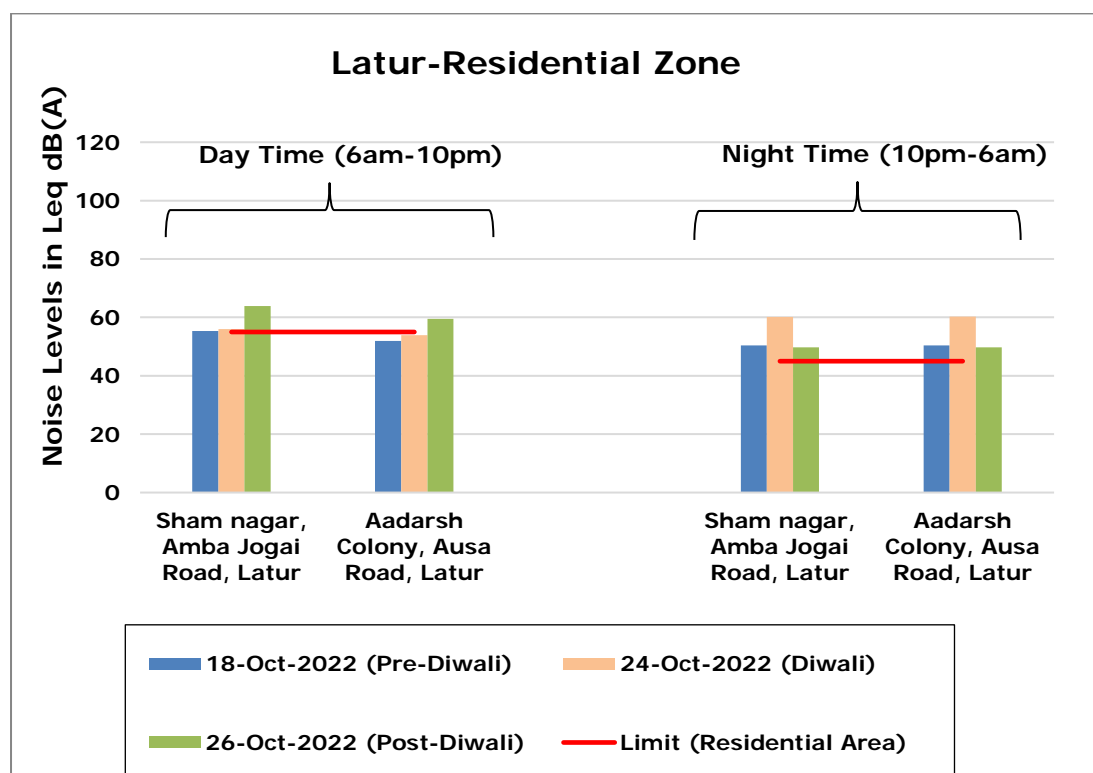
**Table 4.25: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Latur**

Pre-Diwali (18 <sup>th</sup> October 2022) - 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	60.8	57.2	64.1	64.1	58.9	52.8	50.3	49.1	51.6	52.4	49.4	45.9
Kesharaj High school	55.3	51.3	56.9	59.3	53.2	49.1	50.4	49.9	51.1	52.9	49.9	45.8
Aadarsh Colony	51.9	49.2	54.8	54.9	50.1	47.2	50.4	48.9	51.4	53.1	49.3	45.8

Diwali (24 <sup>th</sup> October 2022) - 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	56.0	45.0	62.0	59.2	54.0	50.0	63.7	41.0	71.0	69.1	56.5	46.9
Kesharaj High school	56.0	42.0	71.0	59.0	52.0	48.0	60.2	37.0	69.0	65.1	52.0	41.0
Aadarsh Colony	53.9	45.0	61.0	57.0	52.0	49.0	60.3	41.0	69.0	65.1	51.0	45.0

Post-Diwali (26 <sup>th</sup> October 2022) - 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	69.6	51.0	74.0	72.0	68.0	55.9	58.6	40.0	68.0	63.0	48.5	41.0
Kesharaj High school	63.9	47.0	71.0	68.0	62.0	51.0	49.8	37.0	61.0	53.1	42.0	40.0
Aadarsh Colony	59.5	41.0	68.0	63.0	58.0	50.0	49.8	37.0	61.0	53.1	42.0	40.0

Chart 4.25: Ambient Noise Levels during Diwali Festival - 2022 in Latur



## 4.26 Akola

In Akola also, the noise level was monitored at three locations during Diwali festival. The highest equivalent noise level during day time as well as night time was observed at City Kotawali Chowk in Akola region on 18<sup>th</sup> October and 24<sup>th</sup> October. However, on 26<sup>th</sup> October, the maximum noise level was observed at Civil Line Chowk during day time (76.8dBA) and night time (64dBA).

**Table 4.26.: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Akola**

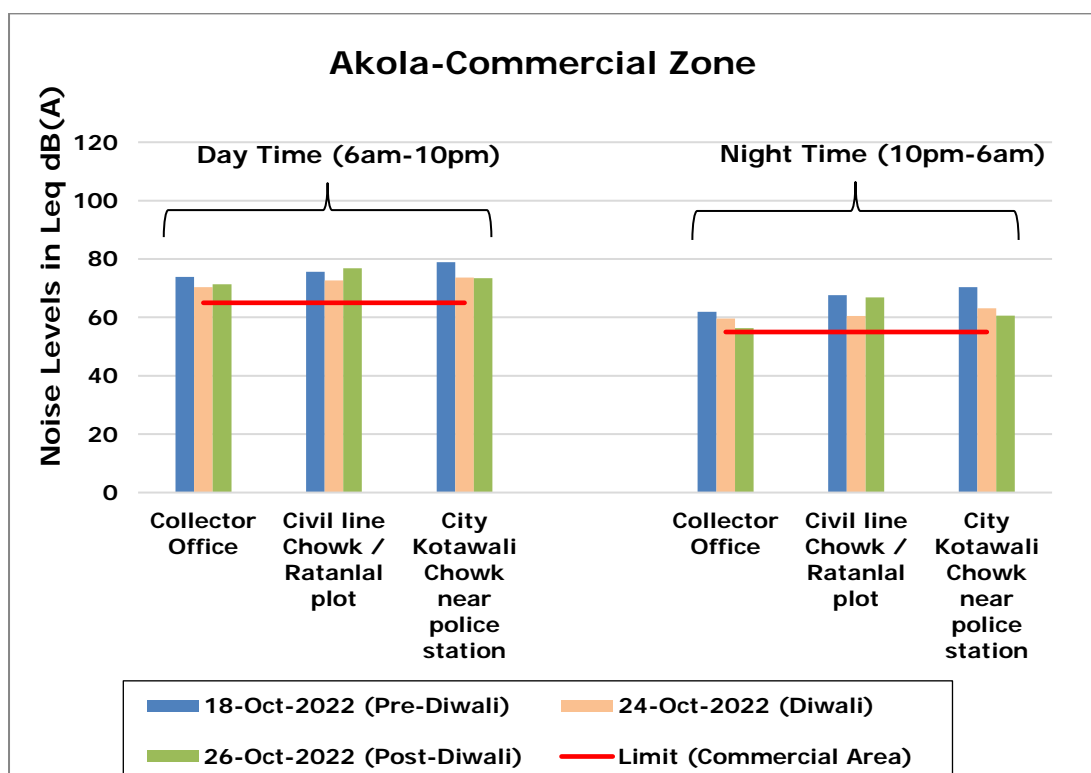
Pre-Diwali (18 <sup>th</sup> October 2022) - AKOLA												
Location	Day Time (6am-10pm)						Night Time (10pm-6am)					
	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
Collector Office	73.8	54.1	85.9	78.0	68.2	60.5	61.9	38.1	75.8	64.5	54.5	45.8
Civil line Chowk	75.6	54.3	86.4	79.1	70.4	62.5	67.6	39.1	80.5	70.7	58.8	45.2
City Kotawali Chowk	78.9	55.1	90.8	82.5	71.6	64.8	70.4	40.0	81.6	74.6	61.3	48.9

Diwali (24 <sup>th</sup> October 2022) - 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	70.4	62.0	78.0	83.5	69.2	61.7	59.6	50.2	74.0	77.3	60.2	42.9
Civil line Chowk	72.7	64.9	78.5	84.1	72.0	62.7	60.5	50.5	75.2	77.9	62.0	45.1
City Kotawali Chowk	73.7	66.2	79.0	85.7	72.2	64.4	63.1	52.7	76.4	78.8	62.8	47.4



Post-Diwali (26 <sup>th</sup> October 2022) - 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	71.4	59.5	75.7	84.5	69.1	61.5	56.4	50.2	65.5	70.1	56.4	42.1
Civil line Chowk	76.8	62.4	87.7	83.2	72.9	62.2	66.9	57.0	79.0	76.9	59.8	44.4
City Kotawali Chowk	73.5	64.3	78.9	86.5	72.2	64.0	60.6	50.9	76.3	78.1	60.3	44.1

Chart 4.26: Ambient Noise Levels during Diwali Festival - 2022Akola



## 4.27 Solapur

In Solapur, three locations were monitored for noise level during Diwali Festival. On 18<sup>th</sup> October, the highest equivalent noise level during day time was examined at Balives (70.8dBA) and during night time, it was observed highest at Ashok chowk with 70.6dB(A). On the day of Diwali i.e. on 24<sup>th</sup> October, the highest noise level both during day time at Balives. On 26<sup>th</sup> October, the equivalent noise level during day (87.7dBA) and night (53.4dB A) both, was observed highest at Hotgi & Bijapur Road.

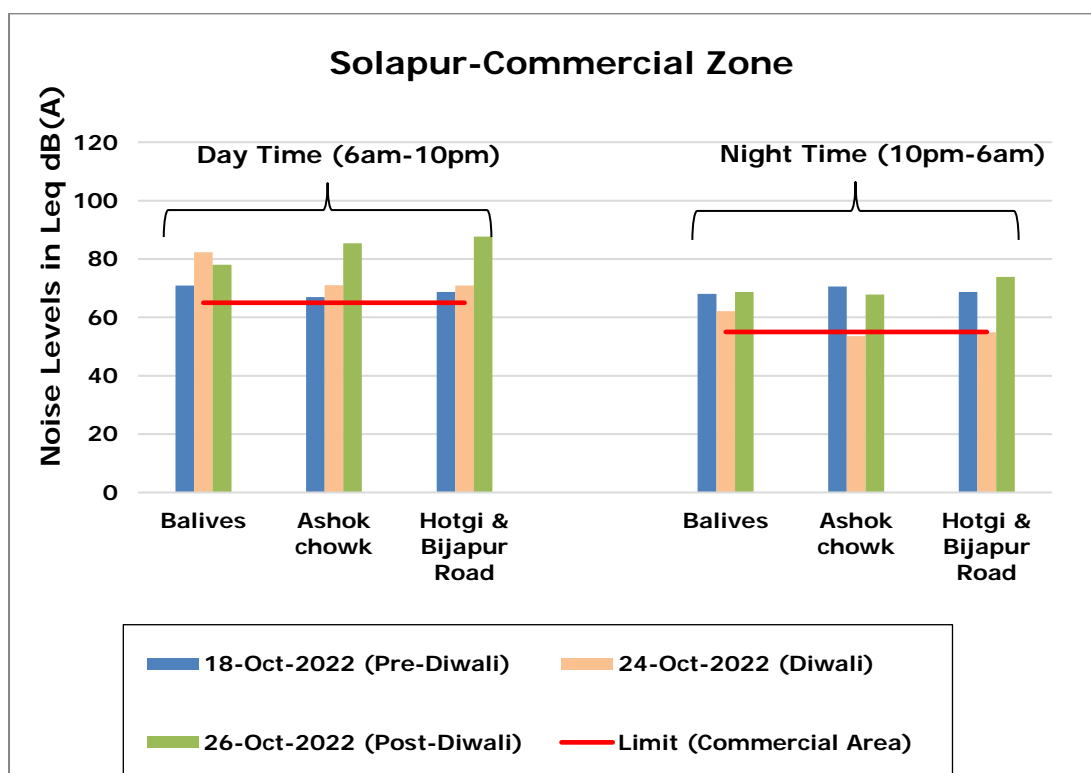
**Table 4.27: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Solapur**

Pre-Diwali (18 <sup>th</sup> October 2022) - 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	70.8	42.3	85.3	71.4	60.1	48.2	68.0	41.3	79.3	70.9	58.7	49.1
Ashok chowk	66.9	36.7	85.3	70.0	54.0	44.2	70.6	38.7	85.3	70.0	59.4	48.7
Hotgi & Bijapur Road	68.7	36.7	85.3	70.0	59.4	48.4	68.7	46.4	79.3	72.5	62.6	47.6

Diwali (24 <sup>th</sup> October 2022) - 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	82.4	45.4	99.1	81.5	68.3	55.2	62.1	43.2	77.4	62.9	55.3	49.2
Ashok chowk	71.0	40.3	80.4	75.5	64.7	53.5	53.6	40.2	65.3	56.2	50.3	42.9
Hotgi & Bijapur Road	70.9	48.3	88.7	72.2	62.4	54.3	54.9	38.2	70.3	56.7	48.9	41.5

Post-Diwali (26 <sup>th</sup> October 2022) - 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	78.1	52.8	93.5	80.6	70.8	62.4	68.7	50.2	78.5	72.6	59.3	55.3
Ashok chowk	85.3	56.2	96.4	90.5	79.5	68.9	67.9	50.9	76.8	72.3	64.0	55.3
Hotgi & Bijapur Road	87.7	70.9	97.5	92.5	83.6	76.5	73.8	53.4	85.9	77.0	66.8	57.9

Chart 4.27: Ambient Noise Levels during Diwali Festival - 2022 in Solapur



## 4.28 Badlapur

In Badlapur, on 18<sup>th</sup> October, the equivalent noise level was observed highest both during day time and night time at Katrap Gaon. On 24<sup>th</sup> October the highest noise level during day time was observed at Surwal Chowk, Shirgaon (75.8dBA) and at Katrap Gaon (72.1dB) during night time. On 26<sup>th</sup> October the highest noise level both during day time and night time was observed at Gandhi Chowk with 75.2 dB(A) and 80.7dB(A) respectively.

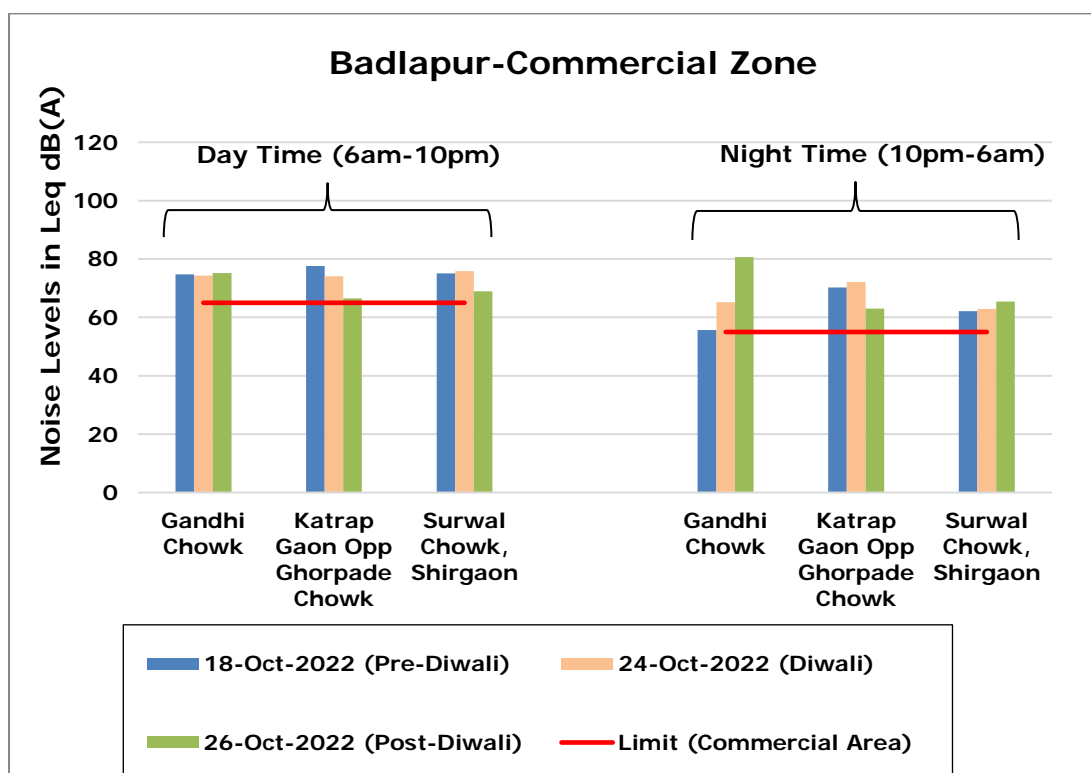
**Table 4.28: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Badlapur**

Pre-Diwali (18 <sup>th</sup> October 2022)-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	74.8	47.3	88.0	78.9	68.8	56.4	55.6	44.3	68.1	59.0	50.8	48.0
Katrap Gaon	77.6	44.4	96.3	78.0	65.5	54.0	70.3	46.7	81.2	74.3	66.4	54.1
Surwal Chowk, Shirgaon	75.0	50.1	88.0	79.1	68.9	61.9	62.1	55.7	70.0	65.3	60.6	56.6

Diwali (24 <sup>th</sup> October 2022) - 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	55.2	86.7	78.0	70.3	62.7	65.2	41.4	75.3	70.3	59.0	44.2
Katrap Gaon	74.1	51.3	87.5	76.9	66.8	55.3	72.1	50.6	87.2	69.9	58.9	51.8
Surwal Chowk, Shirgaon	75.8	42.1	89.0	76.4	64.7	54.1	62.9	41.3	70.1	68.4	56.1	44.1

Post-Diwali (26 <sup>th</sup> October 2022) - 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	75.2	43.0	88.5	80.0	69.7	56.9	80.7	30.0	95.8	83.2	68.0	45.7
Katrap Gaon	66.5	45.1	78.9	70.4	61.2	54.3	63.0	25.9	77.8	67.1	53.9	44.1
Surwal Chowk, Shirgaon	68.9	41.2	83.8	71.7	61.5	52.2	65.4	45.0	76.9	67.5	58.0	46.8

Chart 4.28: Ambient Noise Levels during Diwali Festival - 2022 in Badlapur





## 4.29 Jalna

In Jalna also three locations were monitored for noise level during Diwali Festival. The highest noise level on all 3 days both for day time and night time was at Mantha Choufulee.

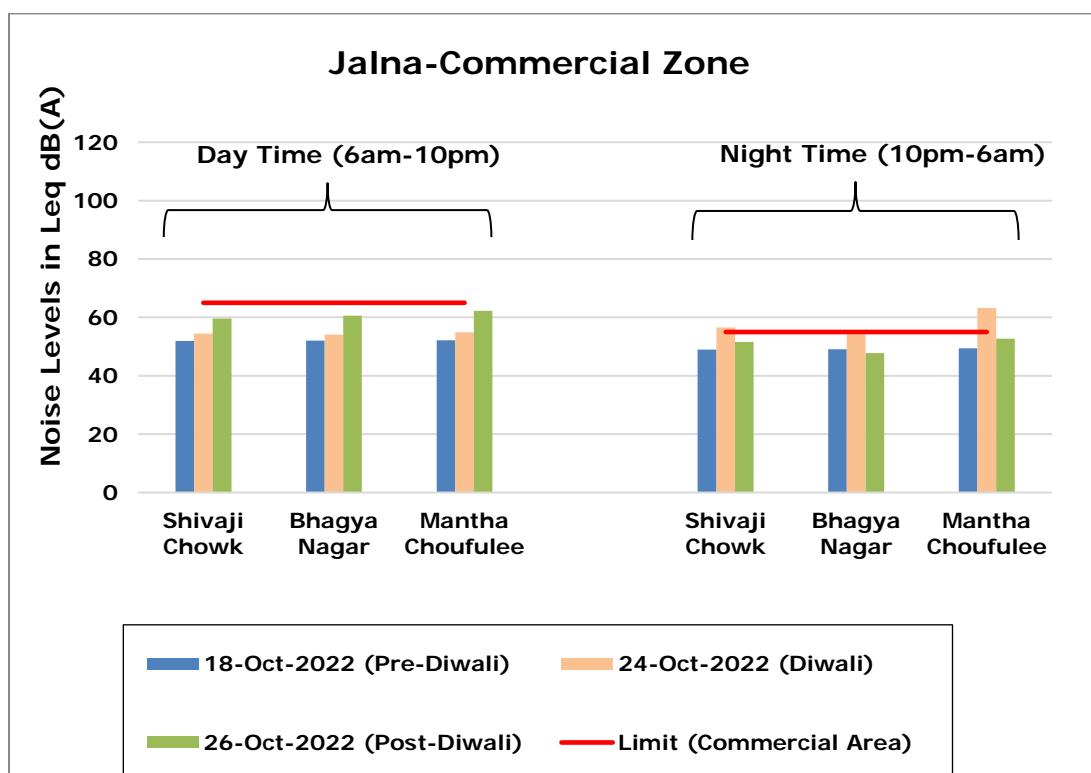
**Table 4.29: Ambient Noise Levels in dB(A) during Diwali Festival-2022 in Jalna**

Pre-Diwali (18 <sup>th</sup> October 2022) - 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	51.9	50.7	53.4	54.8	51.0	47.2	49.0	46.7	50.4	51.8	48.3	45.0
Bhagya Nagar	52.0	49.4	54.1	54.6	51.1	47.3	49.1	48.5	50.0	51.4	48.3	45.7
Mantha Choufulee	52.2	50.7	53.7	55.2	51.4	46.8	49.4	48.3	51.0	51.6	49.0	46.0

Diwali (24 <sup>th</sup> October 2022) - 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	54.4	45.0	63.0	58.0	52.0	48.9	56.6	40.0	68.0	59.2	49.5	41.0
Bhagya Nagar	54.2	47.0	63.0	57.0	52.0	49.0	54.2	40.0	64.0	60.1	46.0	41.0
Mantha Choufulee	54.9	45.0	64.0	58.0	53.0	49.0	63.2	41.0	71.0	68.0	54.0	41.9

Post-Diwali (26 <sup>th</sup> October 2022) - 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	59.6	41.0	68.0	64.0	54.0	45.0	51.6	38.0	62.0	57.0	43.0	39.0
Bhagya Nagar	60.6	41.0	69.0	64.0	58.0	48.9	47.7	37.0	58.0	51.2	42.0	39.0
Mantha Choufulee	62.3	41.0	71.0	65.1	59.0	50.8	52.7	37.0	62.0	57.1	47.0	40.0

Chart 4.29: Ambient Noise Levels during Diwali Festival - 2022 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 35.6dB(A) to 103.2dB(A) this year. Out of this, ambient noise levels of day time in Mumbai South ranged from 43.1dB(A) to 95.2dB(A) and in Mumbai Western Suburbs ranged from 40.4dB(A) to 98.3dB(A) and in Mumbai Eastern Suburbs ranged from 35.6dB(A) to 103.2dB(A). 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 33dB(A) to 99.9dB(A) 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 42.1dB(A) and the maximum of 99.1dB(A) 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 41.9dB(A) to 101.5dB(A). The noise levels were due to firecrackers.

### 5. Pune

The noise level in Pune recorded in the range of 40.1 dB(A) to 96.6dB(A). Traffic in the commercial zones contributed to the overall high noise levels in the city.

### 6. Nashik

In Nashik, the noise level ranged from 48 dB(A) to 91 dB(A). 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 34 dB(A) to 84.2dB(A). The noise levels were due to firecrackers.

**8. Nagpur**

The noise level in Nagpur ranged from 31.8dB(A) to 96.8dB(A) 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 36dB(A) to 99.9dB(A) this year. The measured and recorded noise levels were due to crackers and traffic congestions.

**10. Amravati**

The minimum noise level in Amravati recorded as 33.2dB(A) and maximum as 87.1dB(A) this year.

**11. Jalgaon**

The minimum noise level in Jalgaon recorded as 36dB(A) and maximum as 89.6dB(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 minimum of 40.1 dB(A) to a maximum 110.7dB(A) this year. The increase in noise level was due to the bursting of crackers.

**13. Sangli**

The noise level in Sangli ranged from 40.1dB(A) to 99.2dB(A) this year. The increase in noise levels was mainly due to crackers bursting.

**14. Mira – Bhayander**

The noise level in Mira – Bhayander ranged from 30.4dB(A) to 99.1dB(A) 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 50dB(A) to 94.5dB(A) this year. The increase in noise level was due to crackers and traffic congestions.

**16. Ulhasnagar**

The noise level in Ulhasnagar ranged from 39.3dB(A) to 96.1dB(A) 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 45.5dB(A) to 89.5dB(A) 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 41.9dB(A) to 97.9dB(A) 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 37dB(A) to 79dB(A) this year. The noise levels in Nanded were lower as compared to other locations.

**20. Ahmednagar**

The noise level in Ahmednagar ranged from 50dB(A) to 87dB(A) 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 51dB(A) to 83dB(A) this year and was due to the traffic and bursting of firecrackers on the accession of Diwali.

**22. Malegaon**

The minimum noise level in Malegaon was recorded as 52dB(A) and the maximum as 80dB(A) 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 41dB(A) and the maximum as 101.5dB(A) 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 37dB(A) to 79dB(A) this year. The noise levels in Parbhani were less as compared to other locations.

**25. Latur**

The noise level in Latur ranged from 37dB(A) to 74dB(A) this year. The noise levels in Latur were also less as compared to other locations.

**26. Akola**

The noise level in Akola ranged from 38.1dB(A) to 90.8dB(A) 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 36.7dB(A) to 99.1dB(A) this year. The higher noise level was due to traffic.

**28. Badlapur**

The noise level in Badlapur ranged from 25.9dB(A) to 96.3dB(A) 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 37dB(A) and the maximum as 71dB(A) this year.

## 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 (2022) noise levels were compared with the noise levels of the last year 2021. The detailed results of each location, obtained by the study are explained and presented graphically as below:

### 6.1 Mumbai South

Comparative study shows that this year the noise level decreased a little at Mazgaon, Prabhadevi and Hindu colony locations as compared to the previous year (2021) during day time. During night time, the noise levels decreased (3 to 6%) at 4 locations of South Mumbai viz. Worli, Parel, Byculla and Sion.

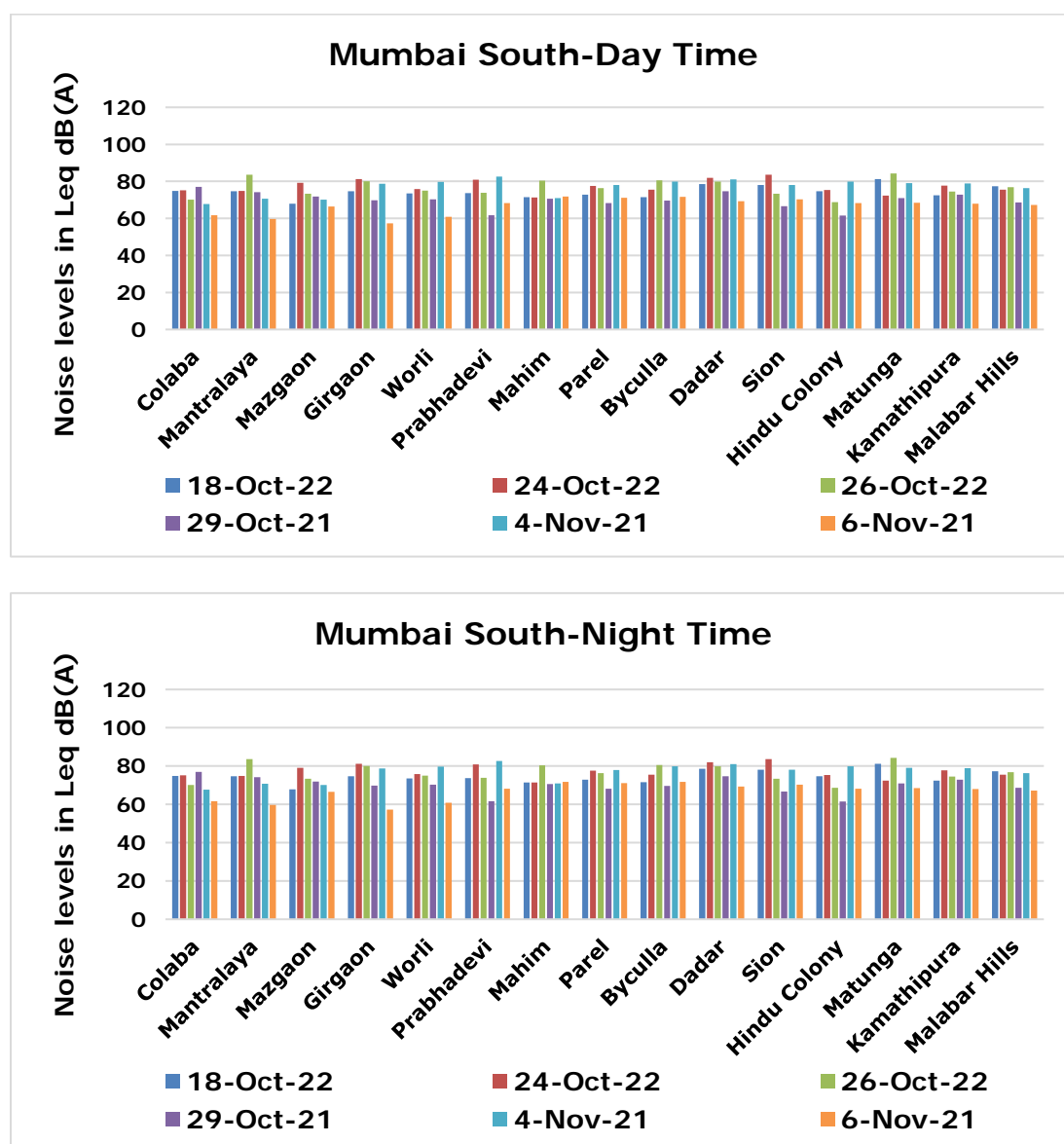
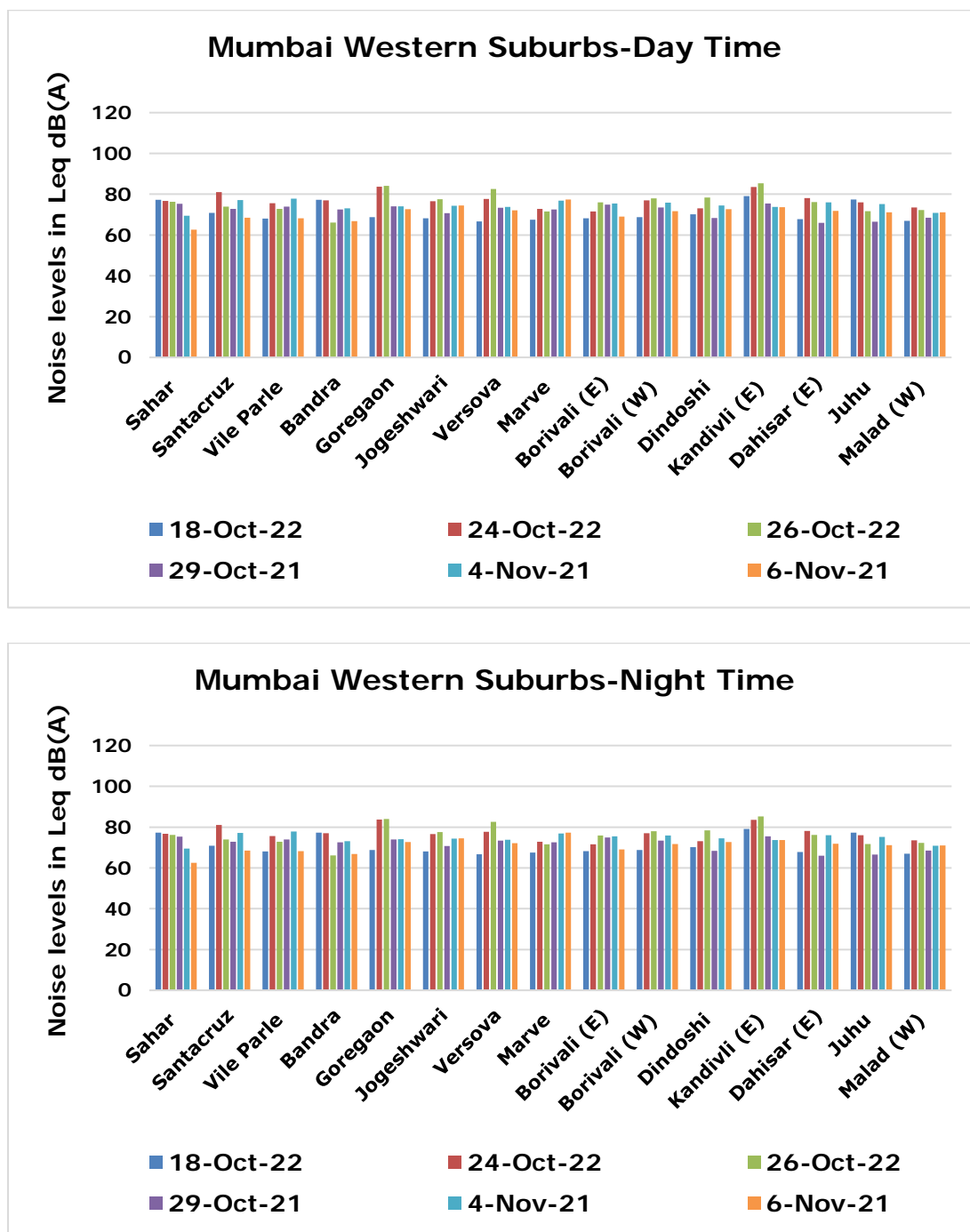


Chart 6.1: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Mumbai South



## 6.2 Mumbai Western Suburbs

In Mumbai Western Suburbs, an increase of 2 to 12% of noise levels was observed during day time as compared to last year (2021). However, during night time, upto 18% noise levels increased.



**Chart 6.2: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Mumbai Western Suburbs**

### 6.3 Mumbai Eastern Suburbs

In Mumbai Eastern Suburbs, upto 18% increase in the noise levels was observed during day time. However, the noise level increased from 2-24% during night time as compared to last year, with a little decrease at Wadala and Bhandup. on all 3 days of monitoring both day time and night time.

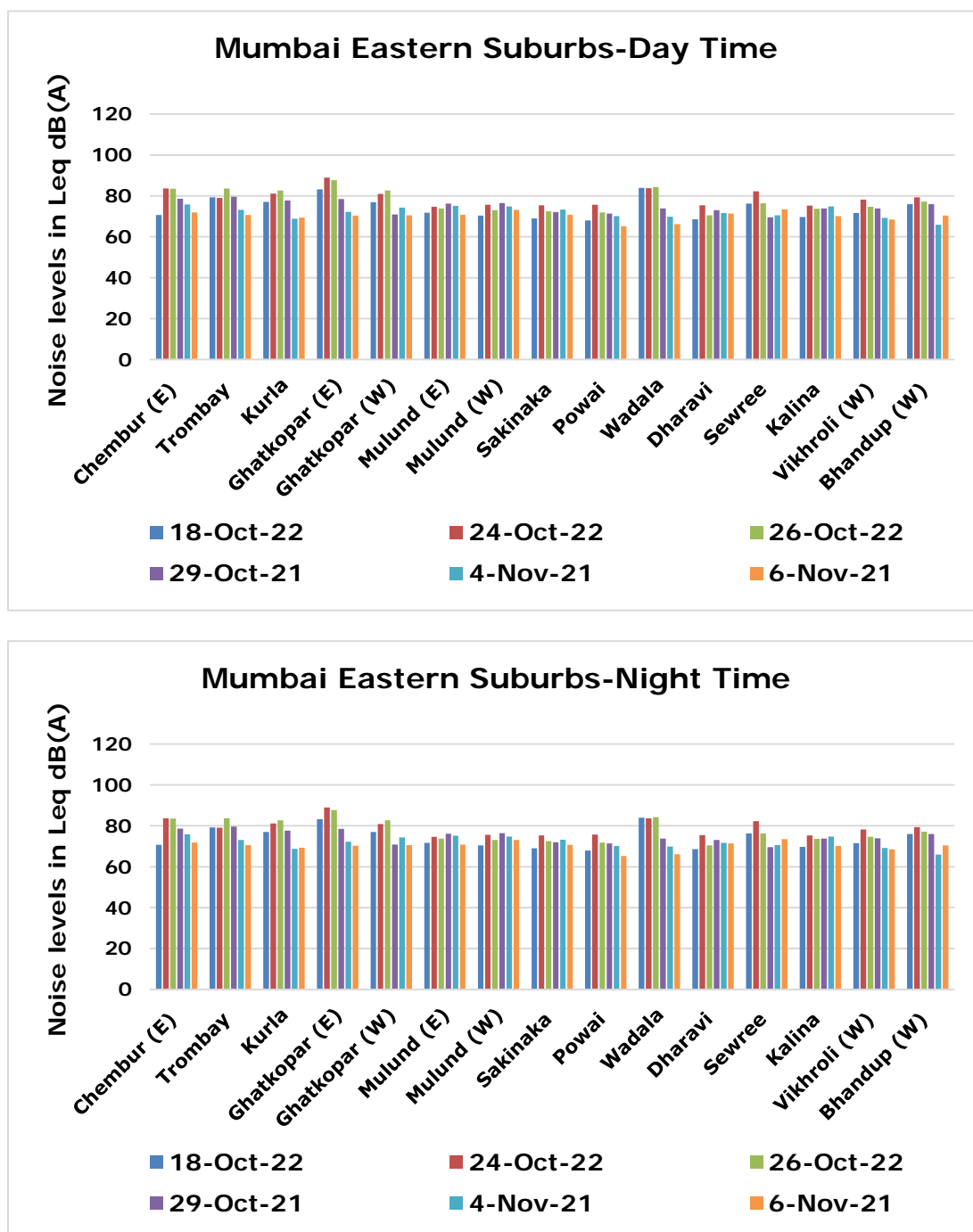
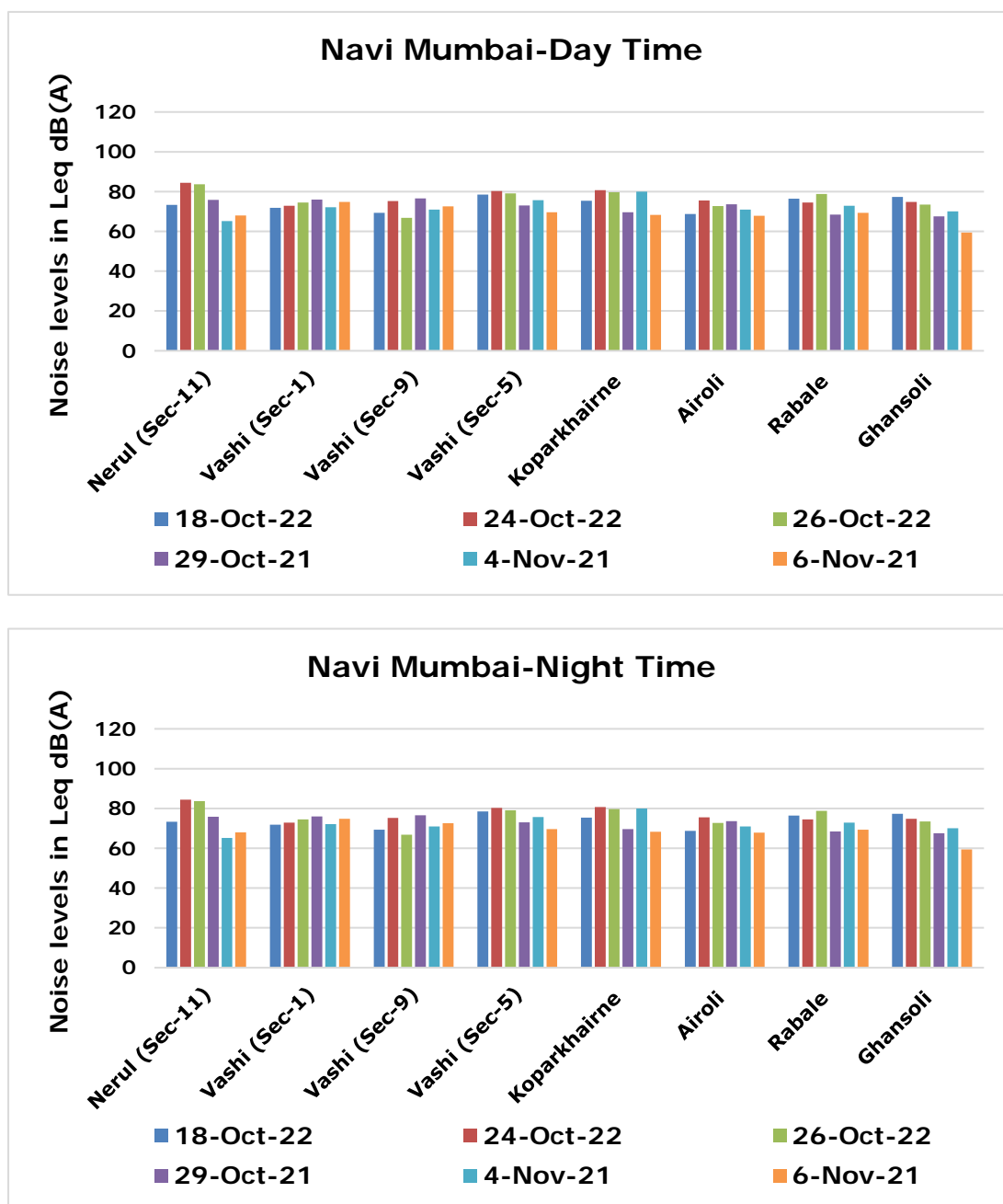


Chart 6.3: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Mumbai Eastern Suburbs

## 6.4 Navi Mumbai

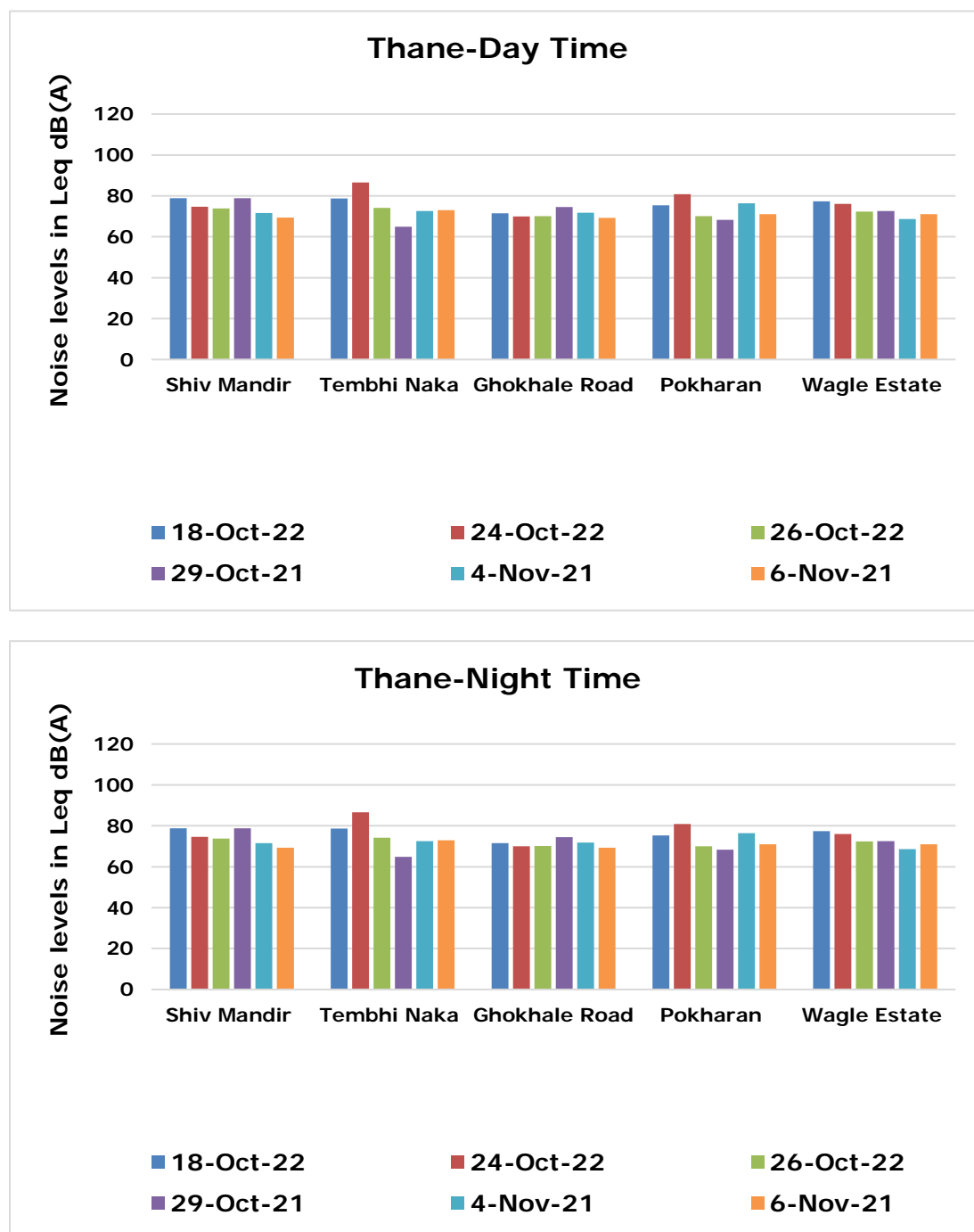
In Navi Mumbai, maximum increase in equivalent noise level was observed at Nerul sector-11 (14%) as compared to last year. Vashi Sector 1 and 9 were observed with a decrease in noise levels during day time. During night time, the percent increase in noise levels ranged from 6-34%, with 6% at increase at Vashi Sector -9. Here, in Navi Mumbai, one location of CBD sector-10 was replaced by sector-6, hence results of both couldn't be compared.



**Chart 6.4: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Navi Mumbai**

## 6.5 Thane

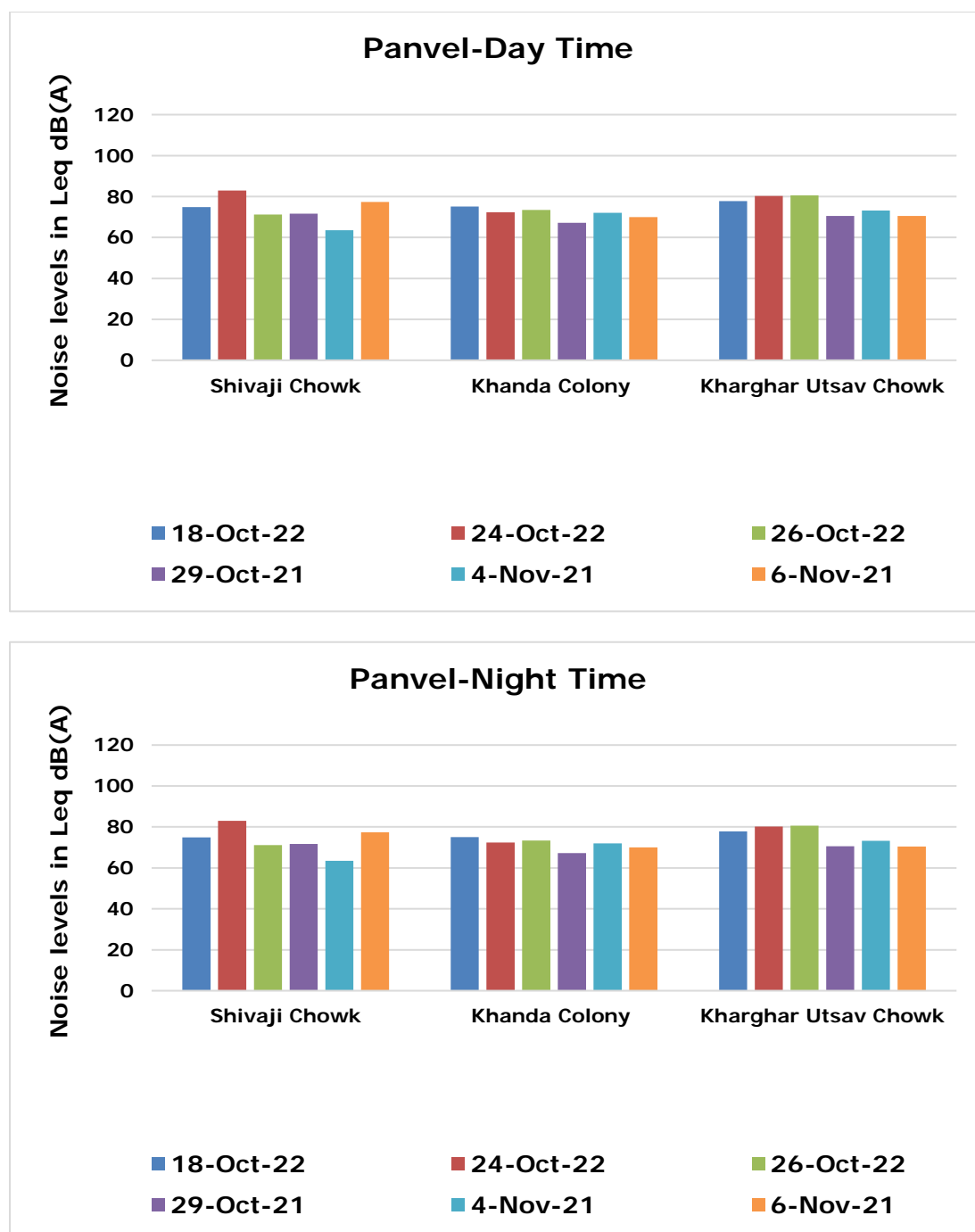
- a) Comparative study shows that this year the noise levels observed were higher as compared to last year at all the locations except Gokhale road where a decrease of 2.5% was observed during day time. However, during night, noise levels were observed with a percent increase upto 25% at Tembhi Naka.



**Chart 6.5: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Thane**

## 6.6 Panvel

The noise level recorded this in Panvel at locations were 5 to 11% more than the last year (2021) during day time and 8 to 17% more during night time.



**Chart 6.6: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Panvel**

## 6.7 Pune

The noise level in Pune region increased this year by 1-13% as compared to last year noise levels during day time and as well as during night time. The maximum difference in noise levels were observed on the festival day (i.e. on Diwali).

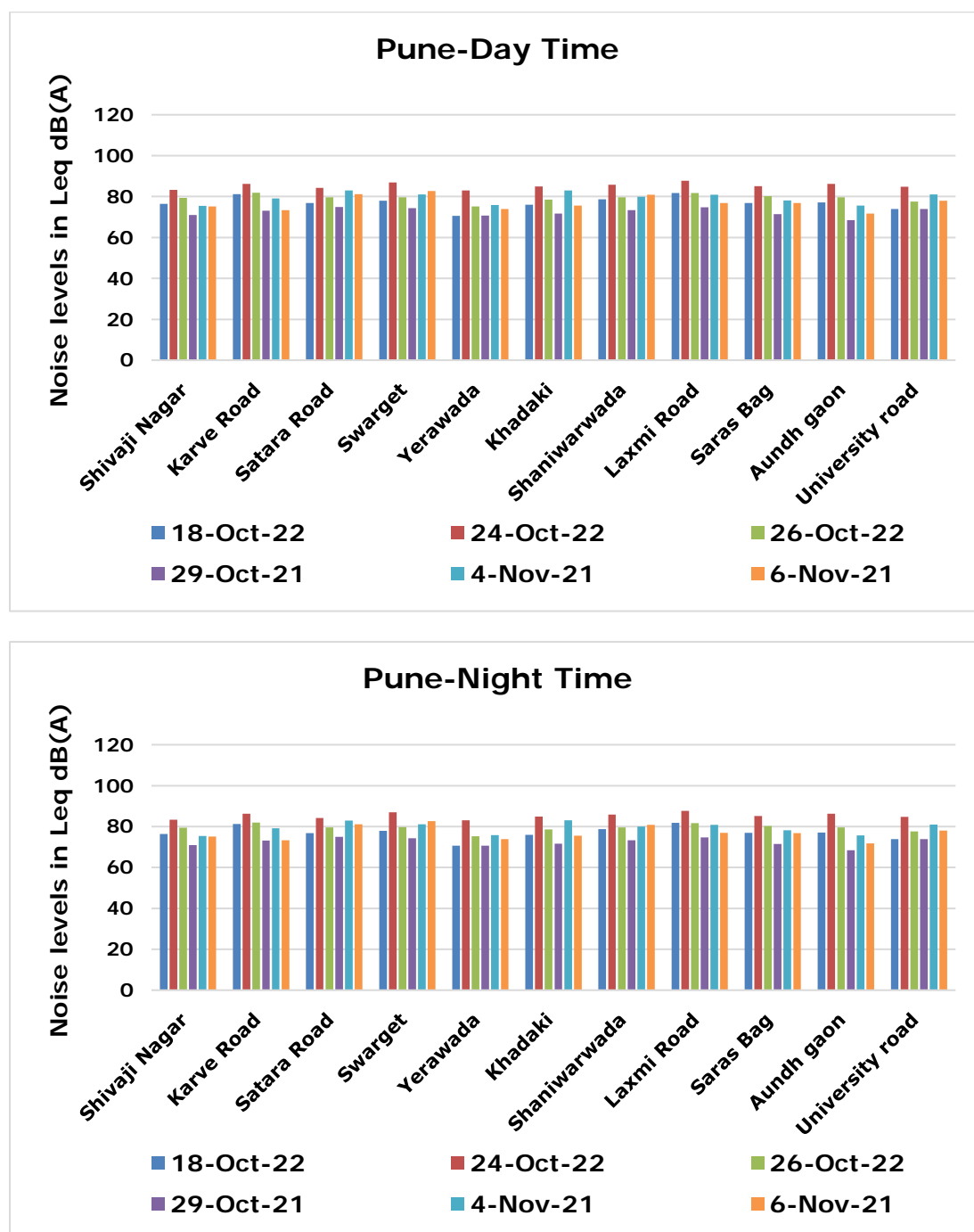
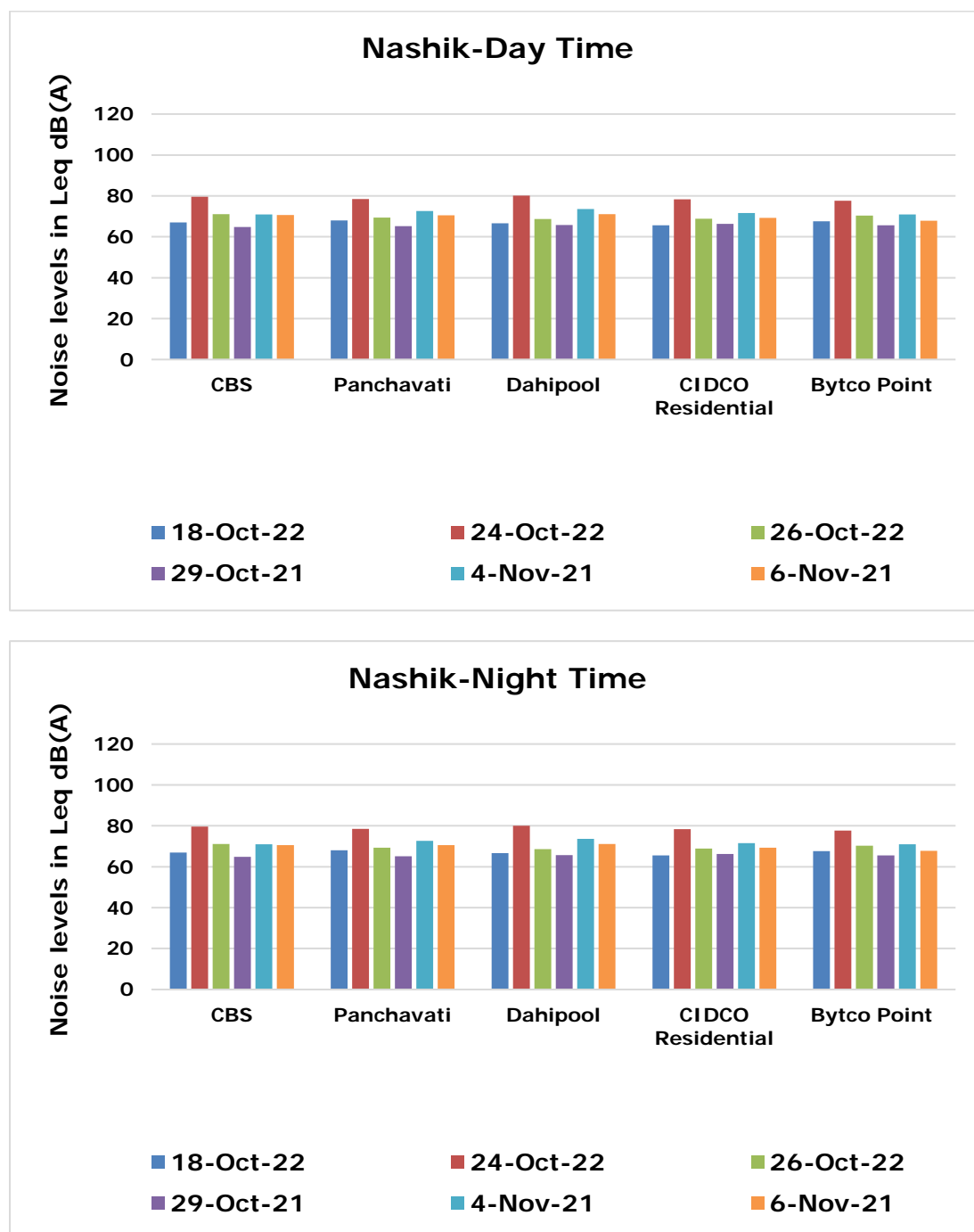


Chart 6.7: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Pune

## 6.8 Nashik

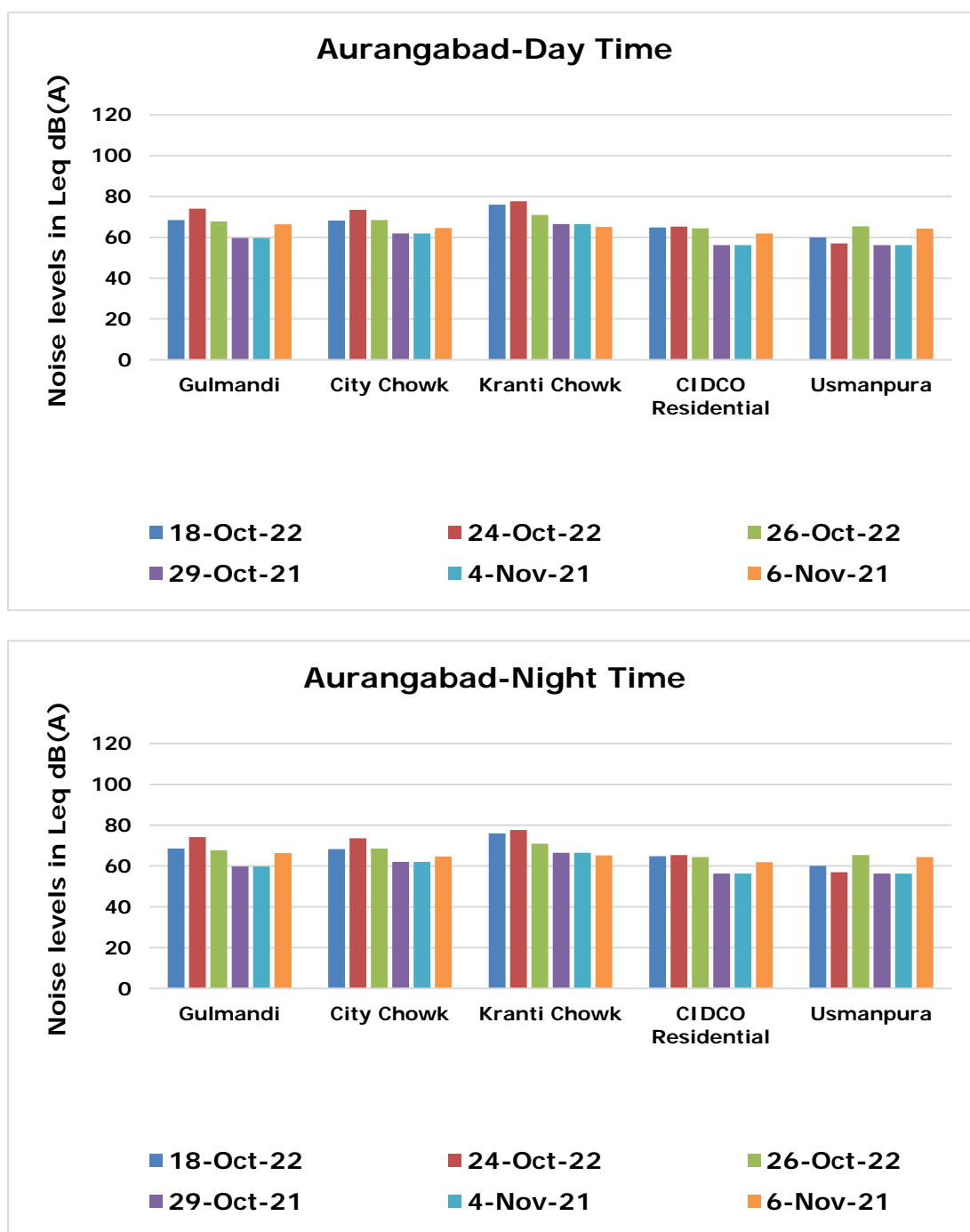
Nashik observed more or less the similar range of noise level last year and this year noise levels were found elevated from 6%-8% during daytime and 2%-10% during night time. However, at Dahipool 4% lesser noise levels were observed during night time when compared with last year (2021) noise levels.



**Chart 6.8: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Nashik**

## 6.9 Aurangabad

In Aurangabad, Gulmadi and Kranti Chowk were the noisiest. However, when compared with the last year (2021) noise levels, all monitored locations were observed with slight increase in noise levels this year during day time. But all the locations, except Gulmadi, showed upto 9% decrease in noise levels during night time as compared to noise levels of 2021.

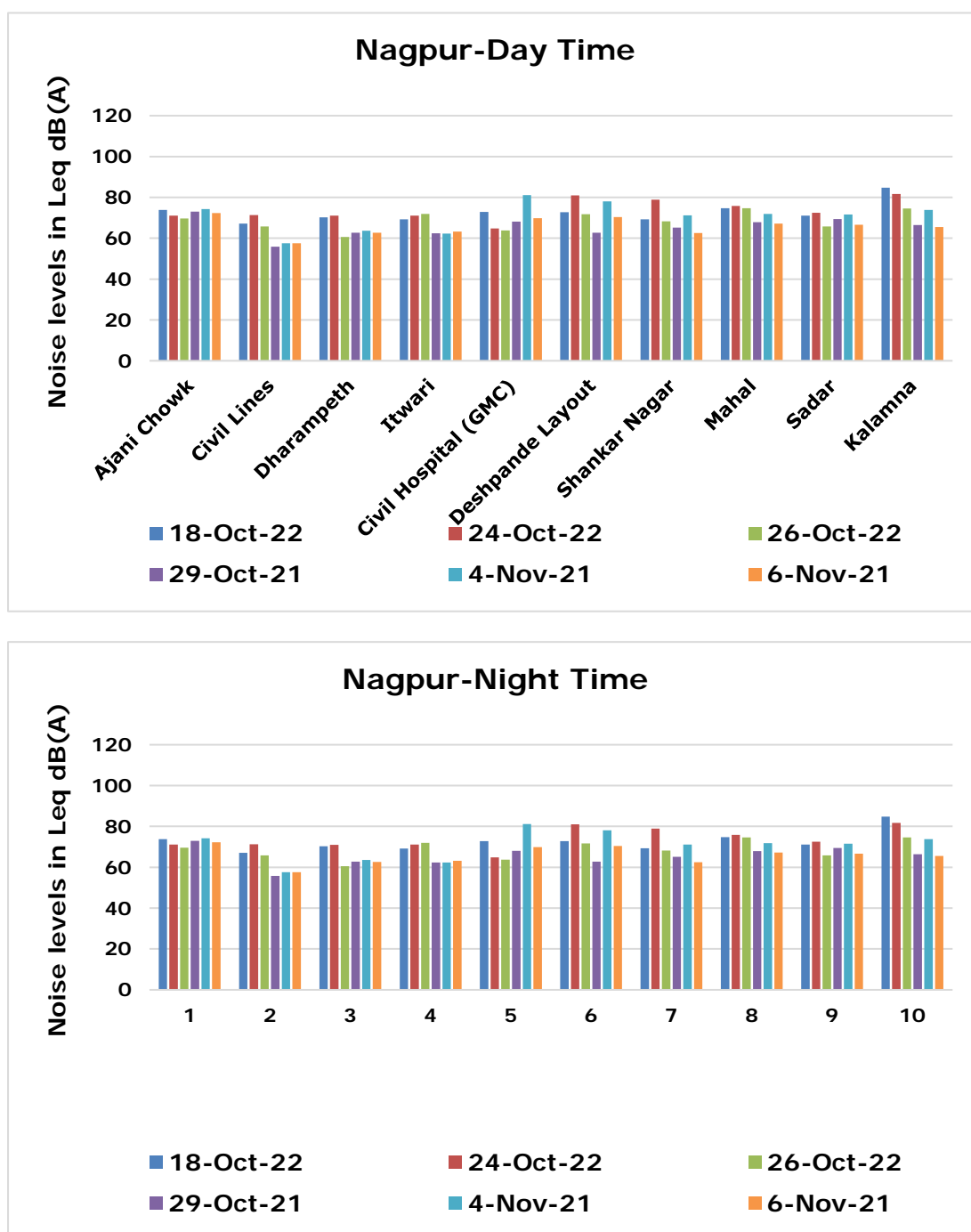


**Chart 6.9: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Aurangabad**



## 6.10 Nagpur

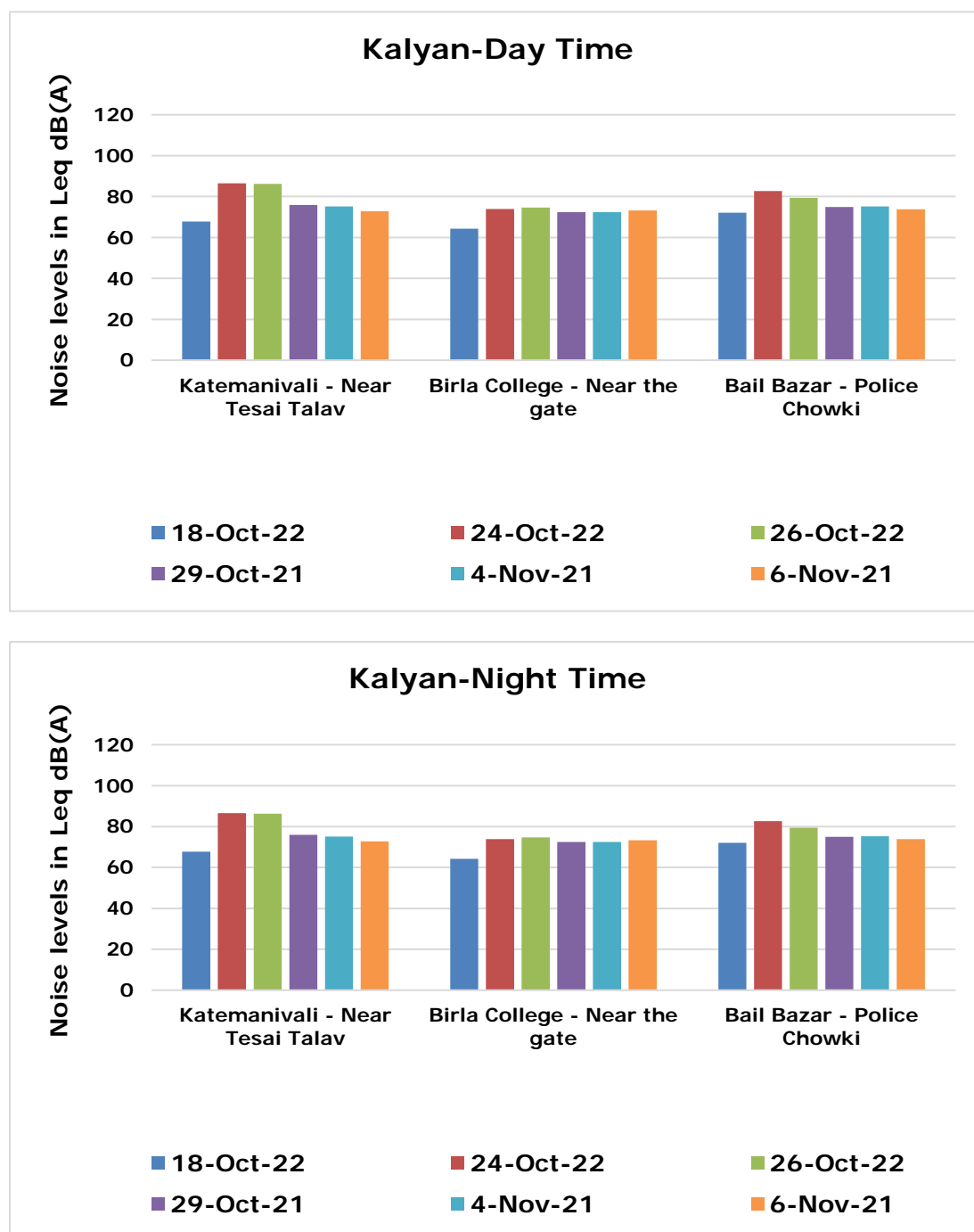
The overall noise levels at Ajani chowk and Civil Hospital (GMC) in Nagpur decreased this year both day time and night time when compared to last year (2021). Remaining locations showed elevated noise levels as compared to last year i.e. upto 20% at Civil lines, Nagpur.



**Chart 6.10: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Nagpur**

## 6.11 Kalyan

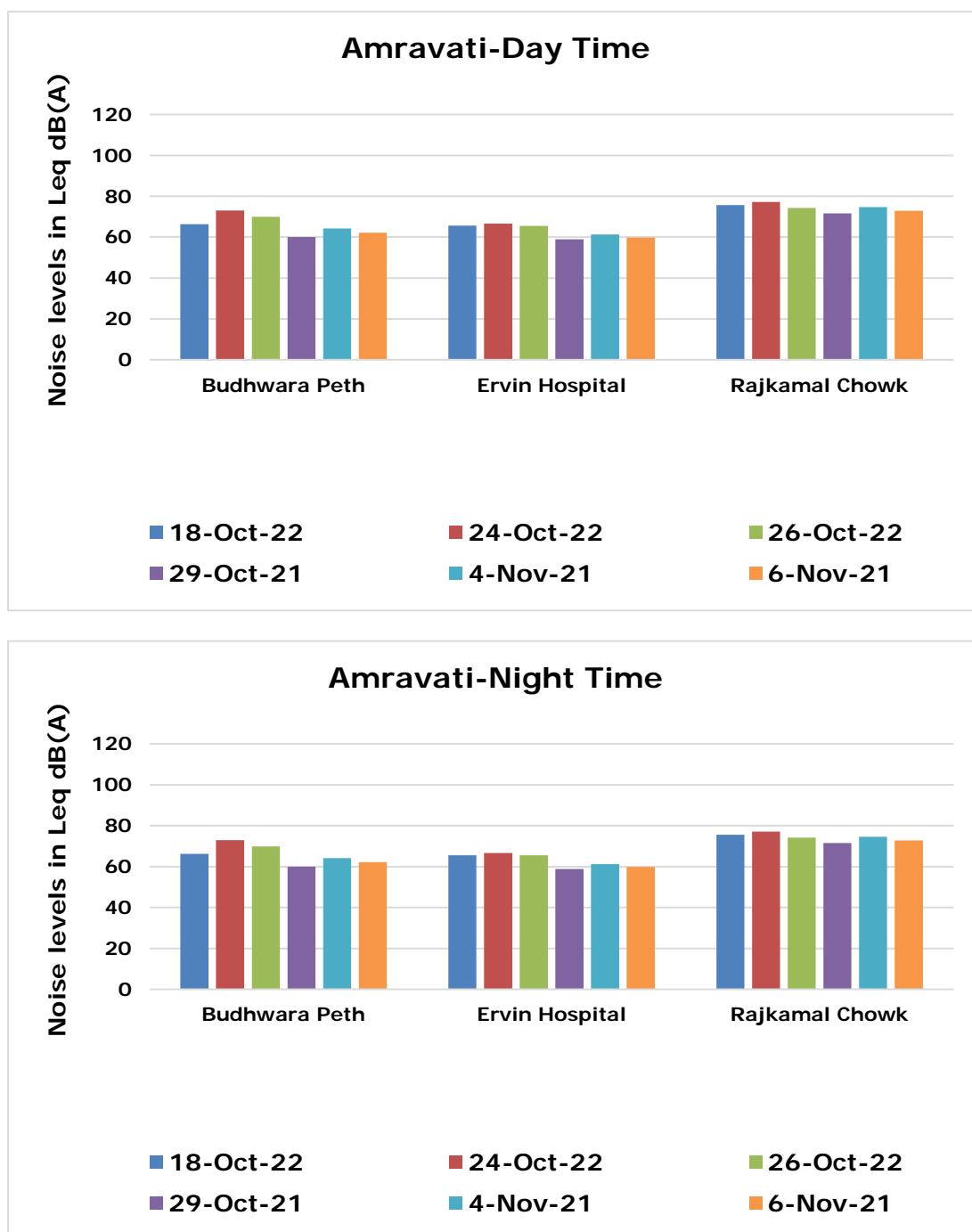
- b) The noise level at Birla College was recorded a dip in noise level during night time as compared to last year. However, at remaining two locations noise levels were recorded higher this year as compared to last year.



**Chart 6.11: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Kalyan**

## 6.12 Amravati

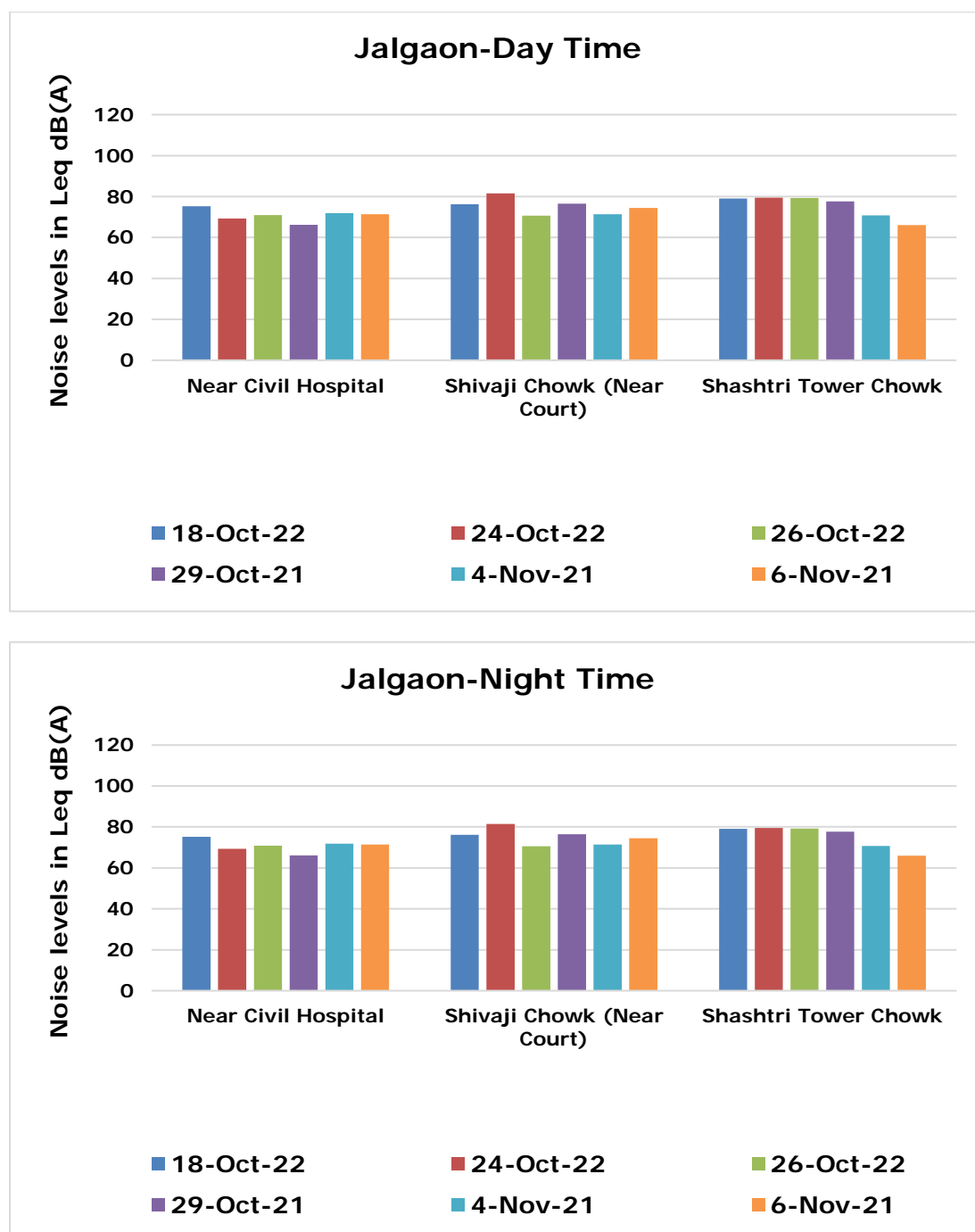
- c) The noise level in Amravati were also recorded higher as compared to last year on all 3 days of monitoring both day time and night time.



**Chart 6.12: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Amravati**

### 6.13 Jalgaon

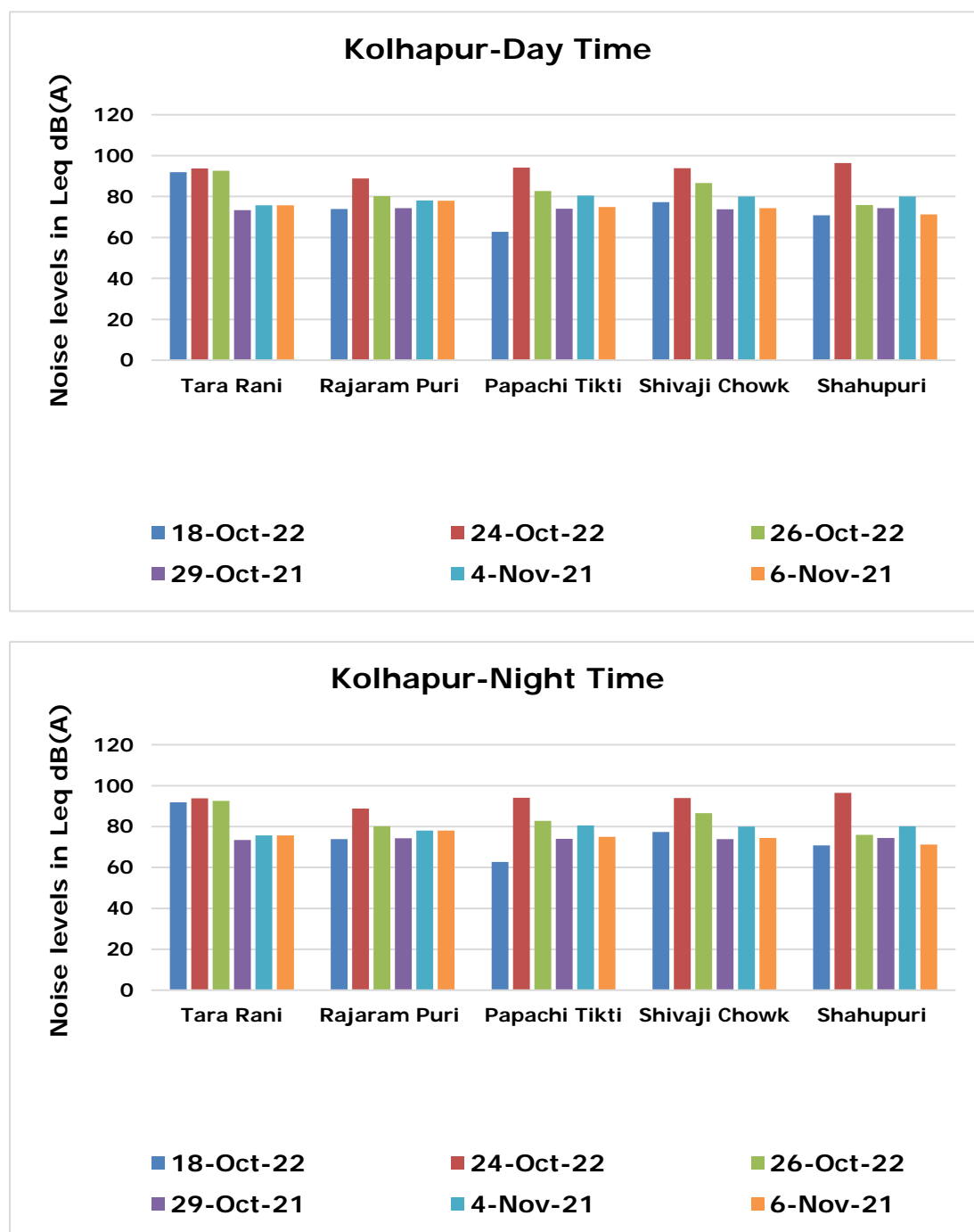
In Jalgaon, the overall noise levels at Shivaji Chowk (near Court) get decreased by 20% this year as compared to the last year during night time.



**Chart 6.13: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Jalgaon**

## 6.14 Kolhapur

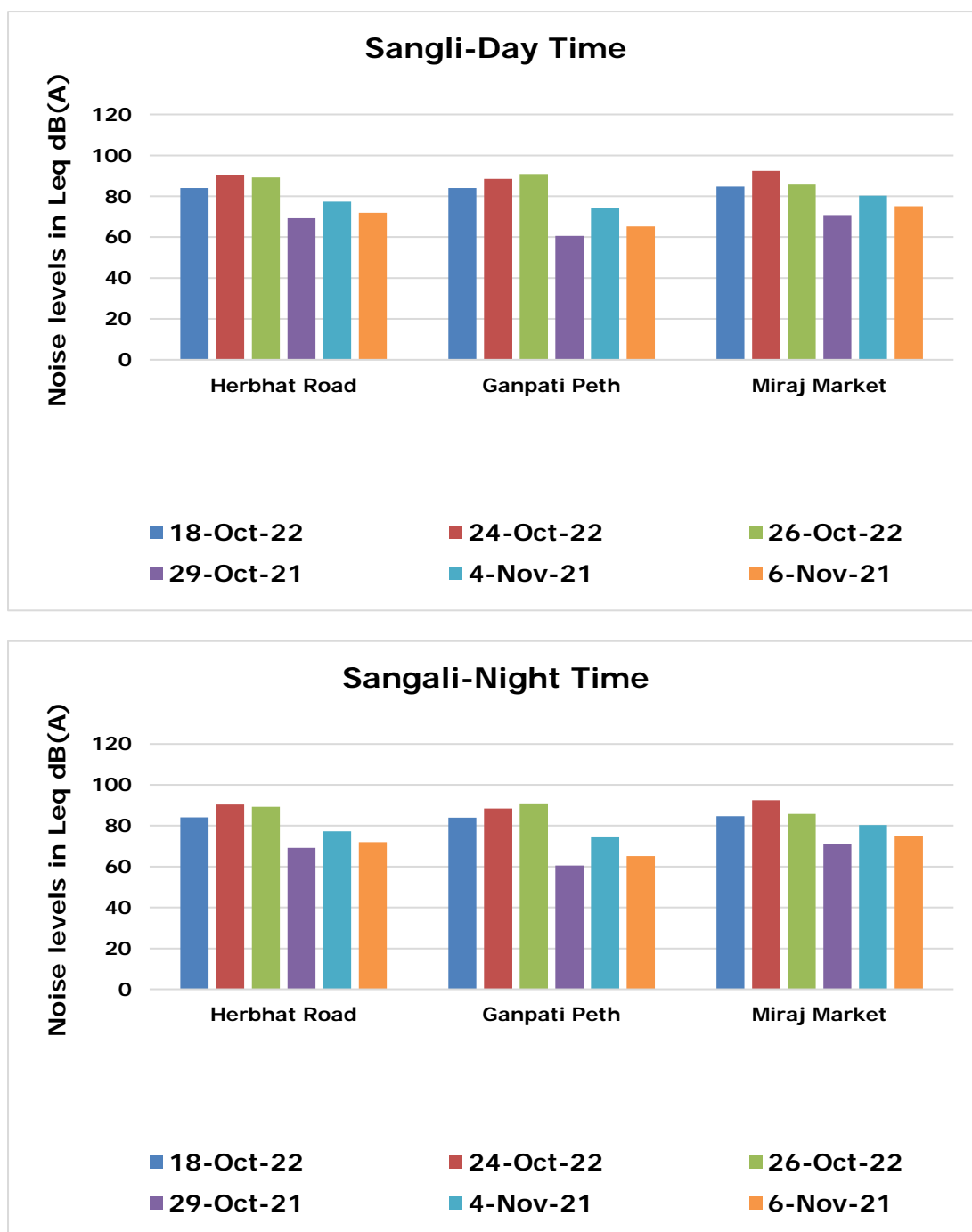
In Kolhapur, the overall noise levels spiked upto 31% at Tara Rani during night time. All other locations were also observed an increase in noise levels in the range of 9%-19% during day time and upto 24% during night time.



**Chart 6.14: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Kolhapur**

## 6.15 Sangli

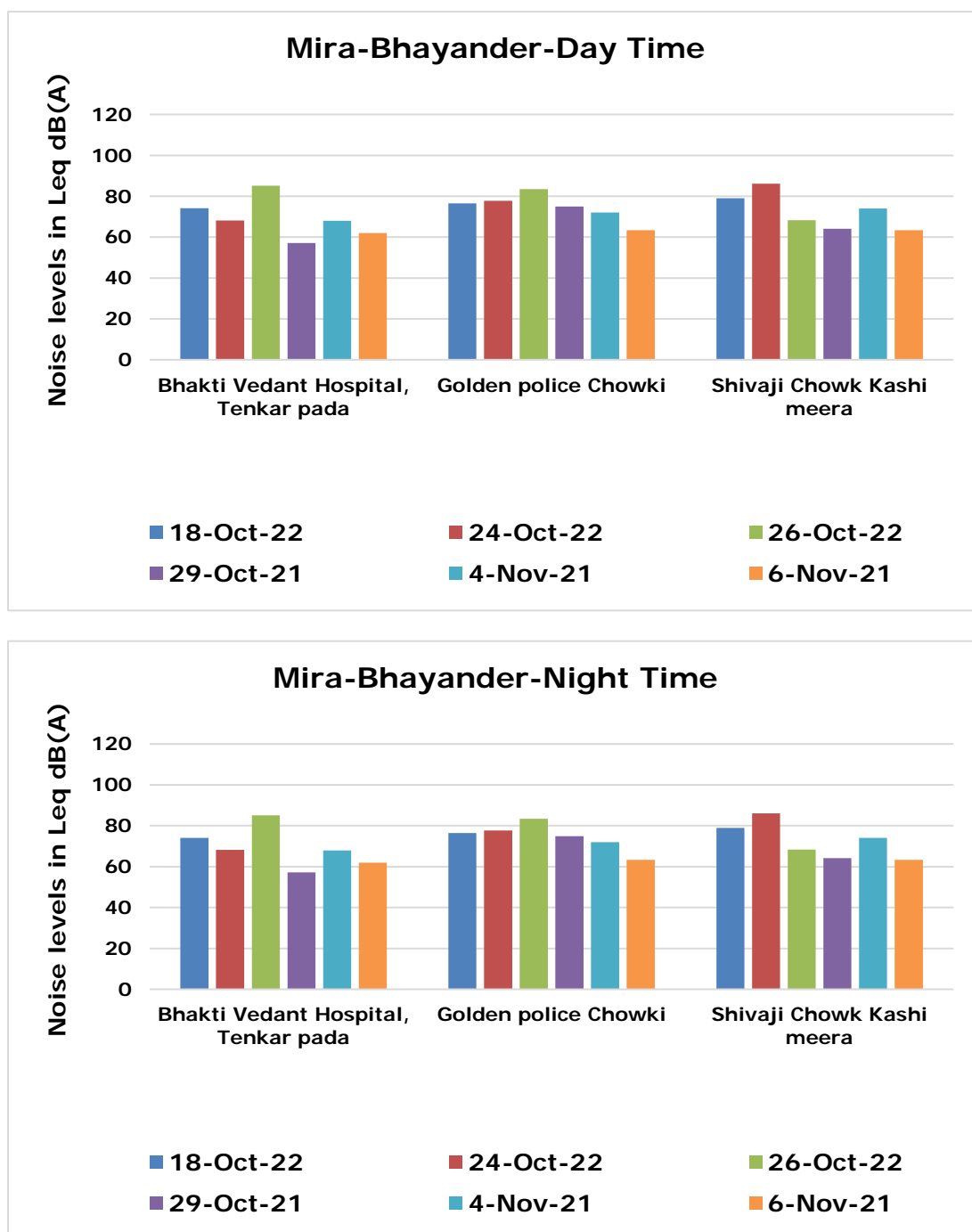
- d) In Sangli the noise level was lesser this year as compared to the last year on all 3 days of monitoring both day time and night time on all 3 locations.



**Chart 6.15: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Sangli**

## 6.16 Mira-Bhayander

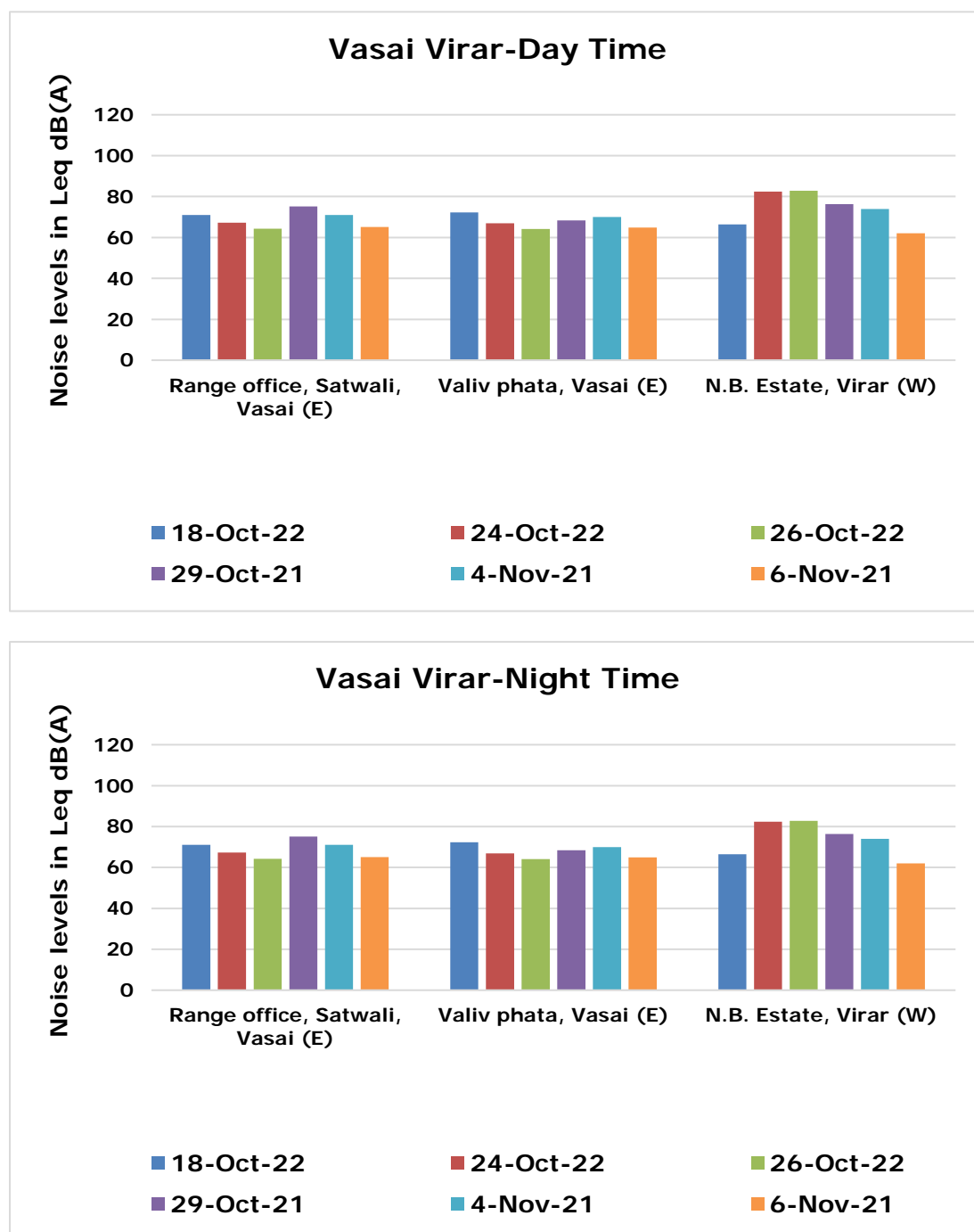
The noise level of Mira-Bhayander was more or less in the same range as compared to last year on all three days both day time and night at all three locations.



**Chart 6.16: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Mira-Bhayander**

## 6.17 Vasai-Virar:

In Vasai-Virar also the noise level 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, except at range office during day time, where a decrease of 5% noise level was observed.

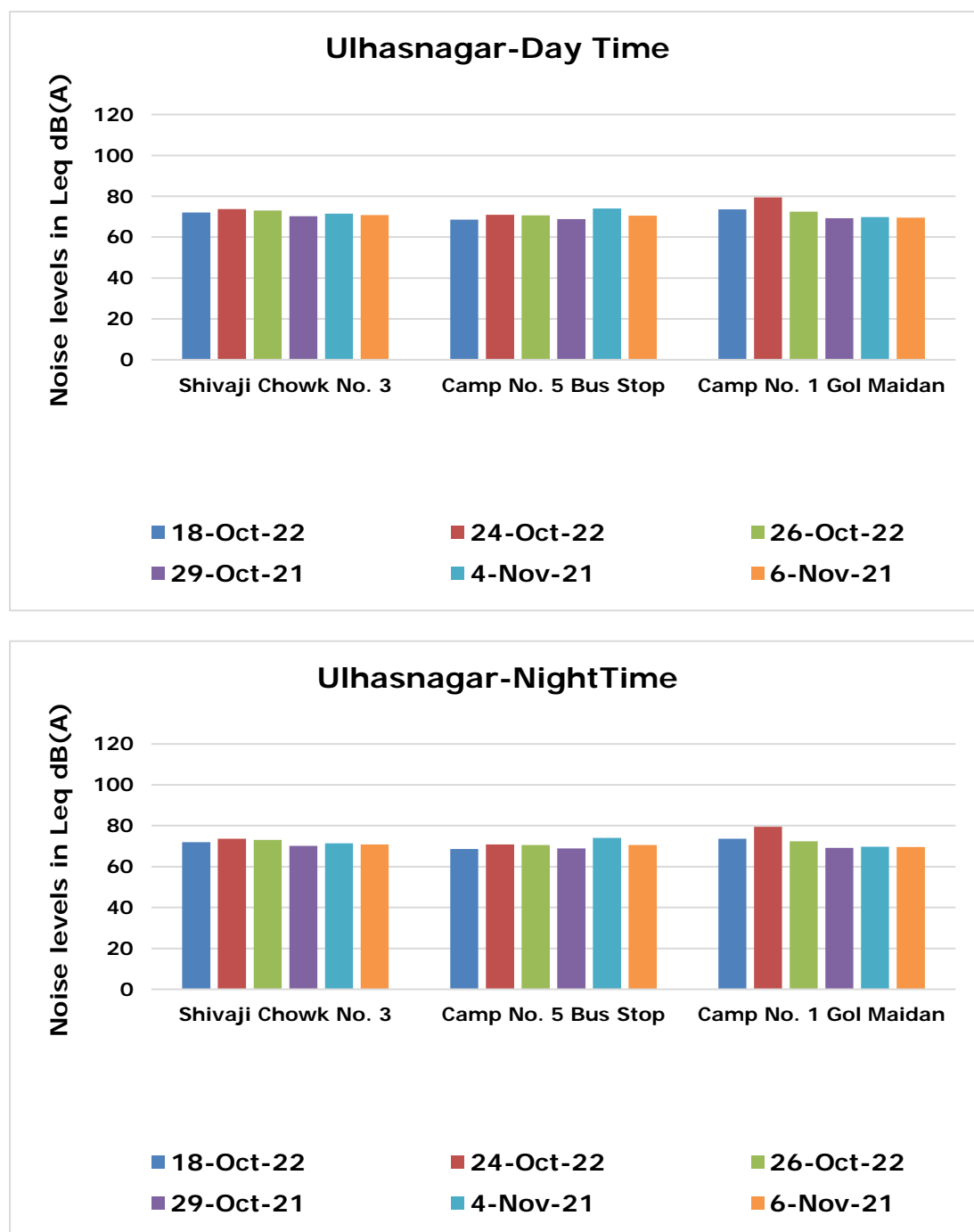


**Chart 6.17: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Vasai-Virar**



## 6.18 Ulhasnagar

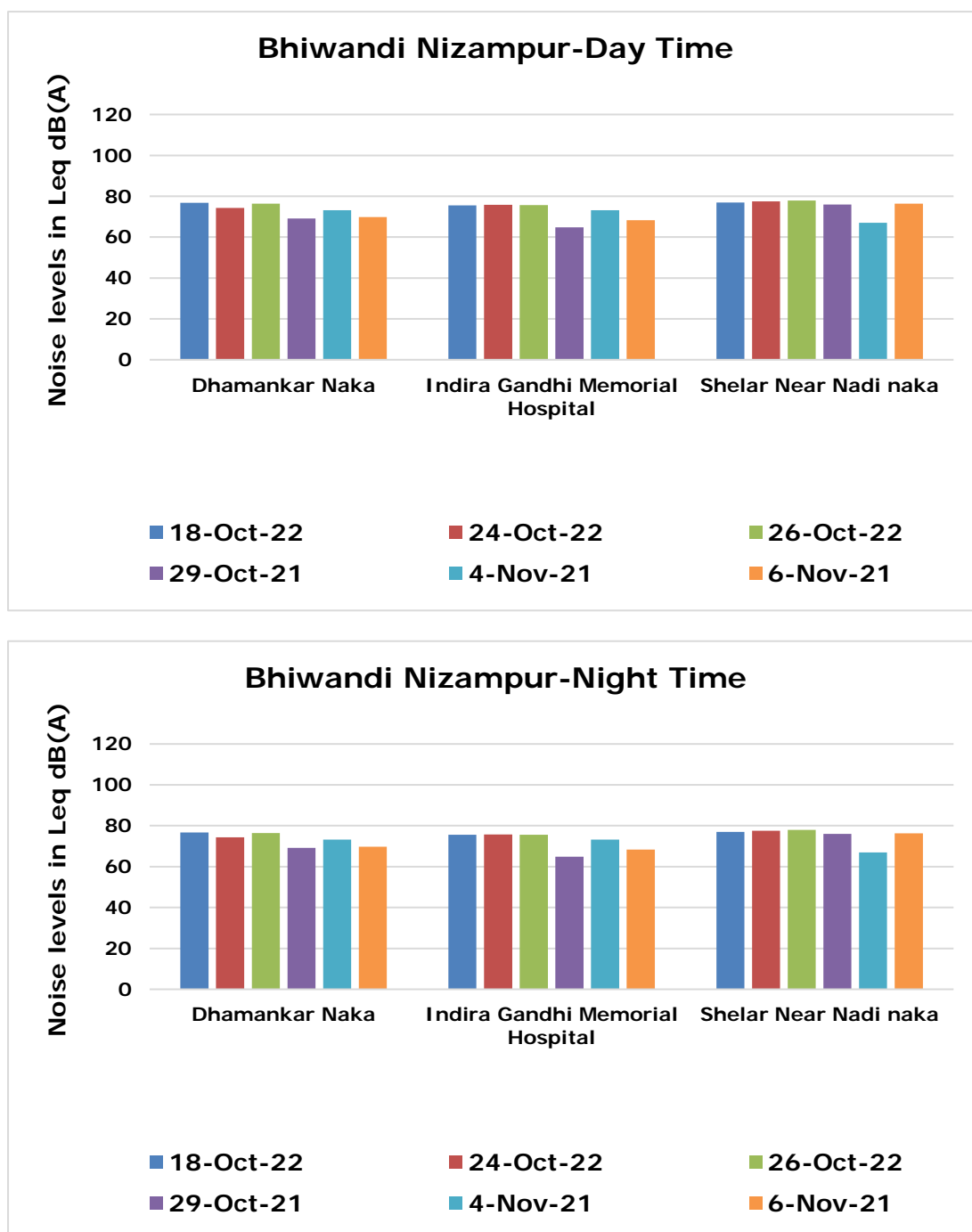
Camp no.5 near Bus Stop of Ulhasnagar was observed a decrease of 2% noise level during day time and upto8% decrease during night time this year.



**Chart 6.18: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Ulhasnagar**

## 6.19 Bhiwandi-Nizampur

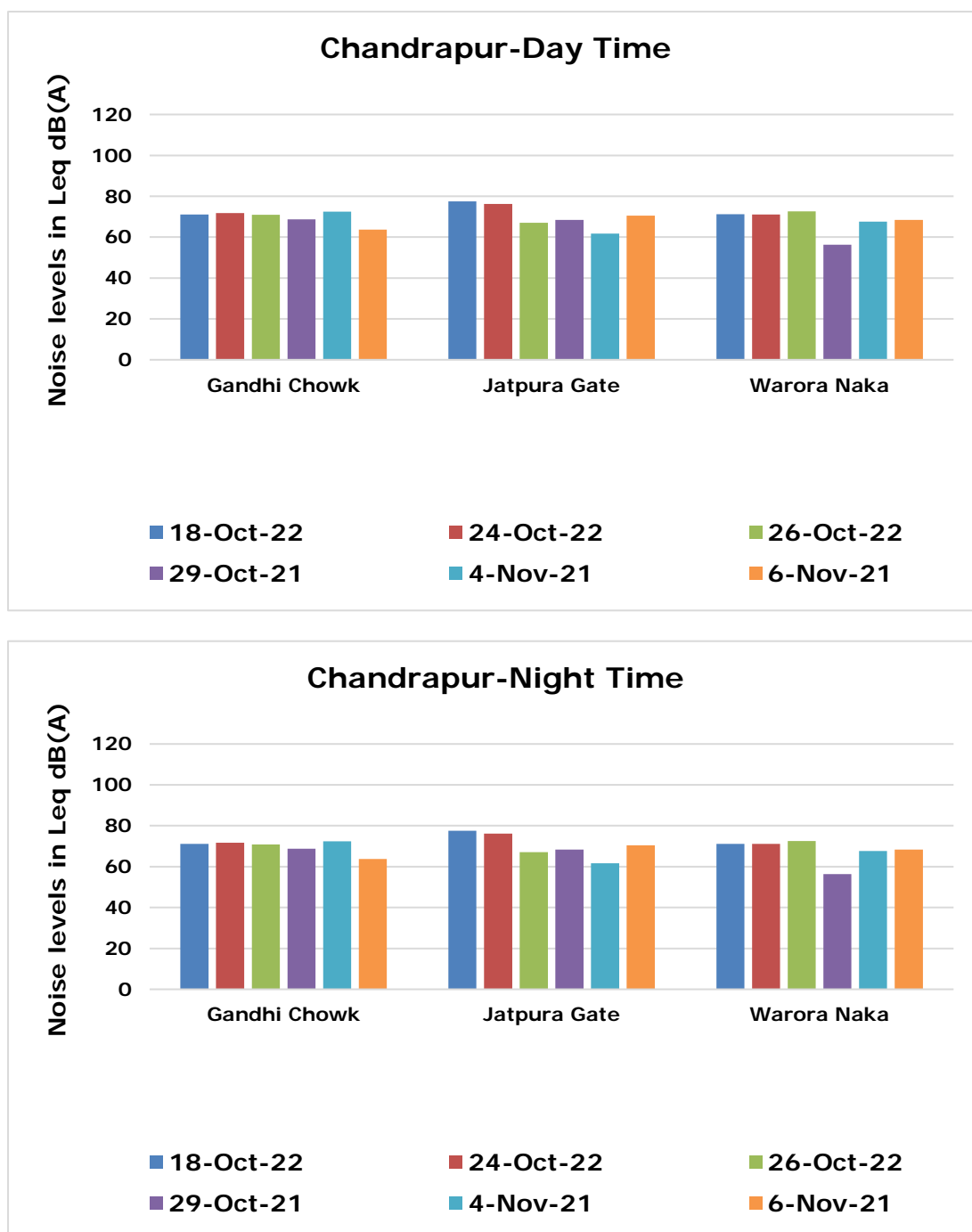
The noise level of Bhiwandi - Nizampur was little higher (3%-7%) as compared to last year on all three days both day time and night at all three locations.



**Chart 6.19: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Bhiwandi**

## 6.20 Chandrapur

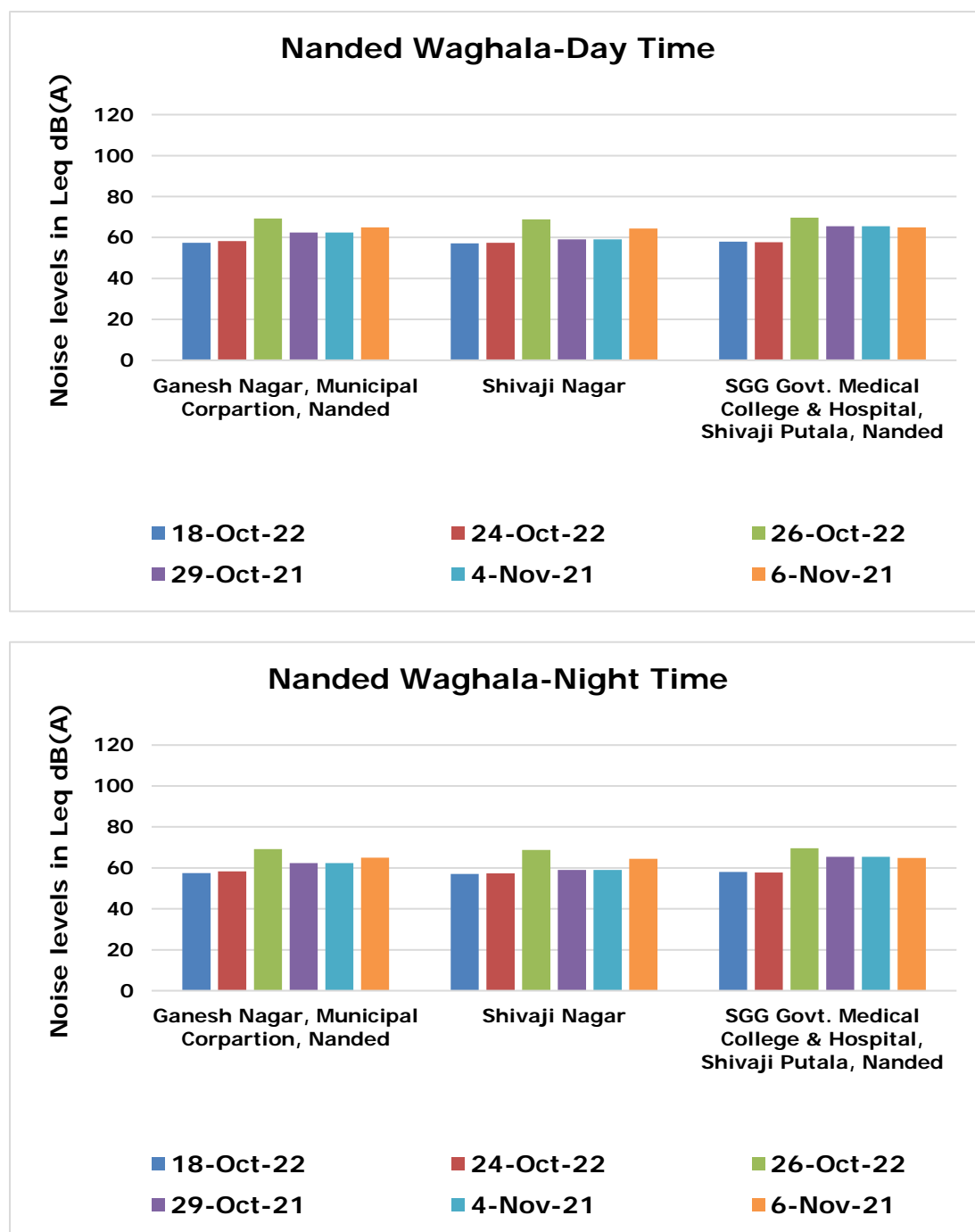
The noise level at Chandrapur region was also little higher (3% to 8% during day time and 11% to 17% during night time) this year as compared to last year.



**Chart 6.20: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Chandrapur**

## 6.21 Nanded-Waghala

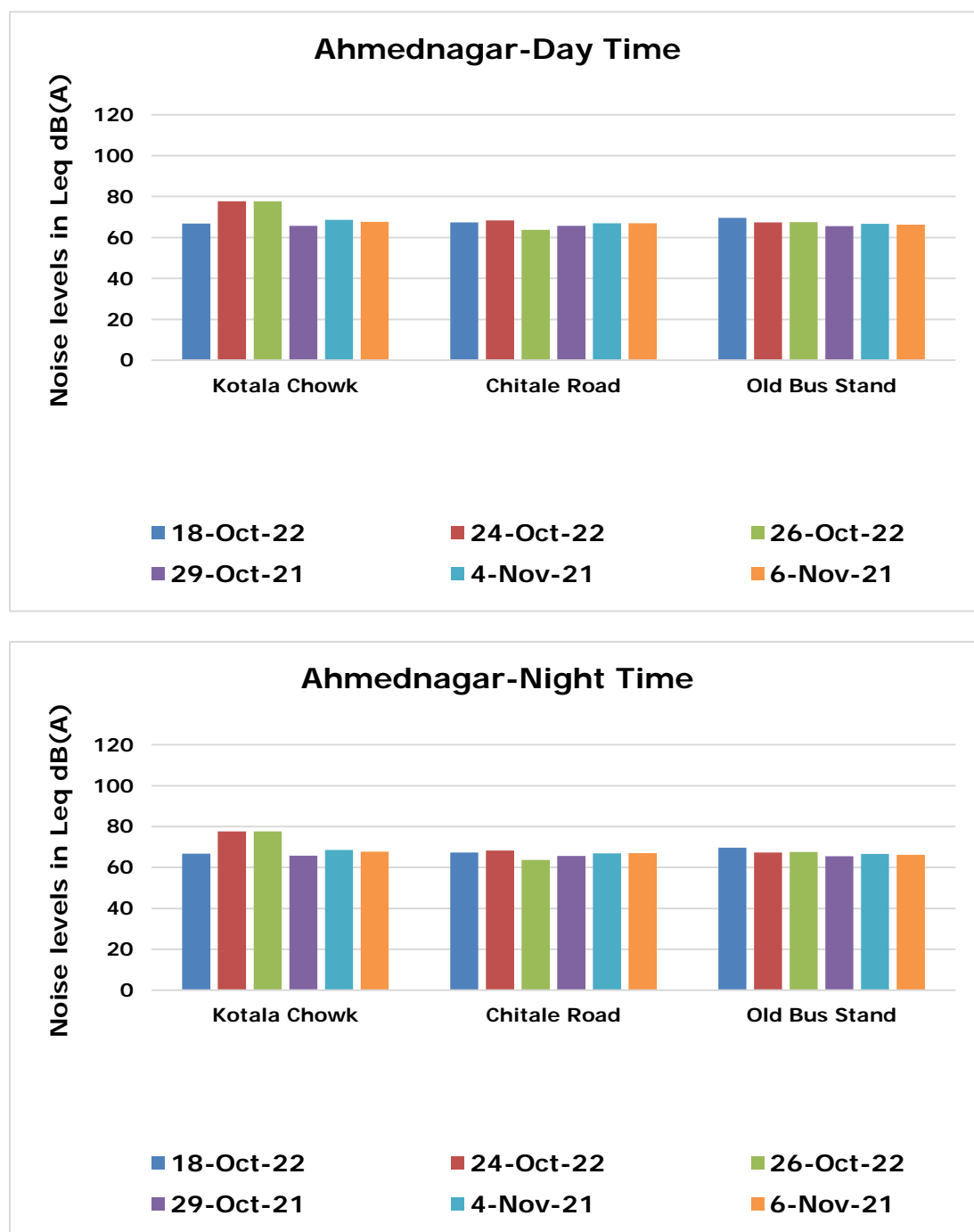
The noise level of Nanded-Waghala was little higher (2%-11%) as compared to last year on all three days both day time and night at all three locations.



**Chart 6.21: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Nanded-Waghala**

## 6.22 Ahmednagar

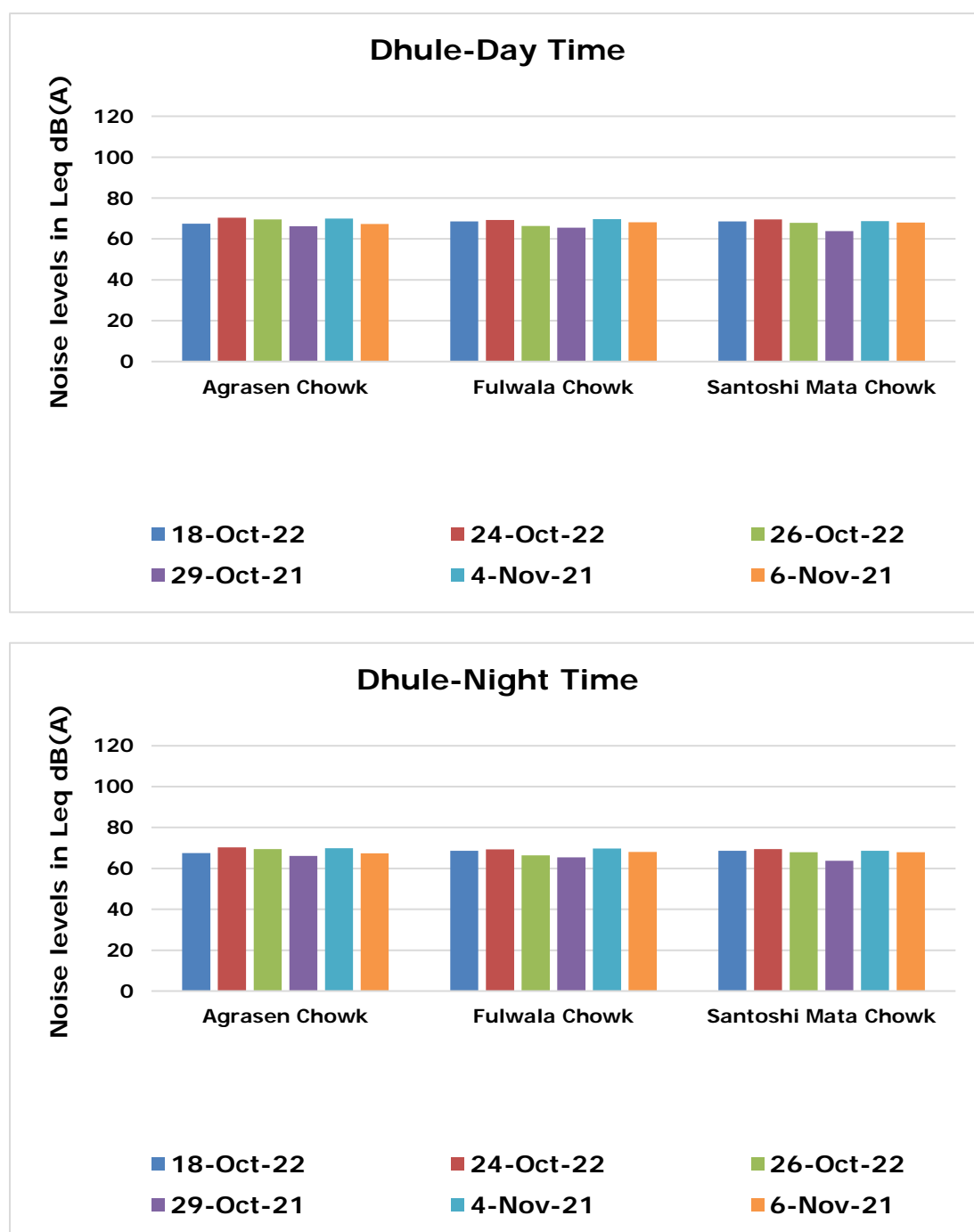
The noise level at all three locations of Ahmednagar also observed with an increase in noise levels in the range of 3-12% during day time and 2-14% during night time, when compared with the noise levels of last year (2021).



**Chart 6.22: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Ahmednagar**

## 6.23 Dhule

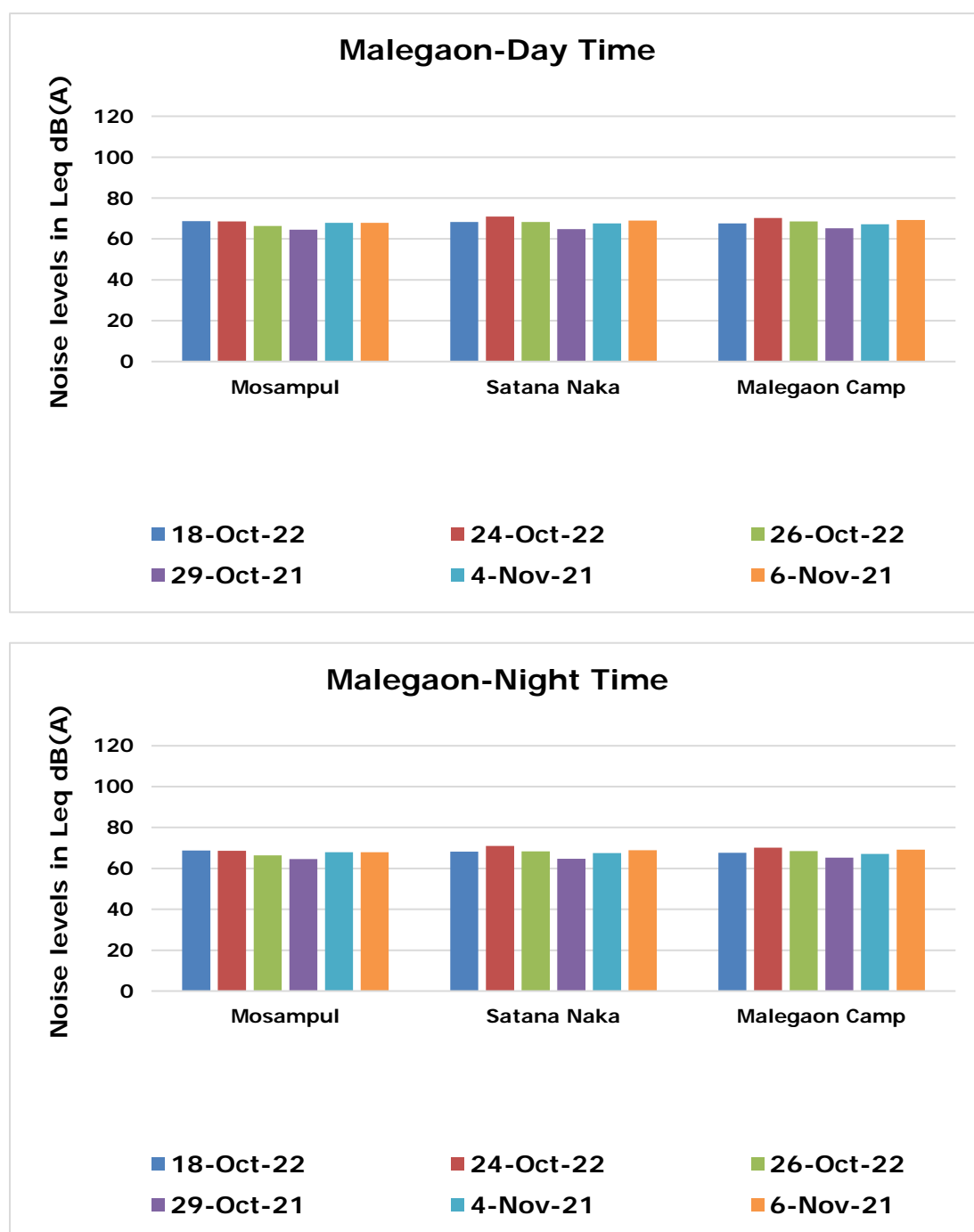
The overall noise levels of Dhule increased from 2% to 8% this year as compared to last year.



**Chart 6.23: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Dhule**

## 6.24 Malegaon

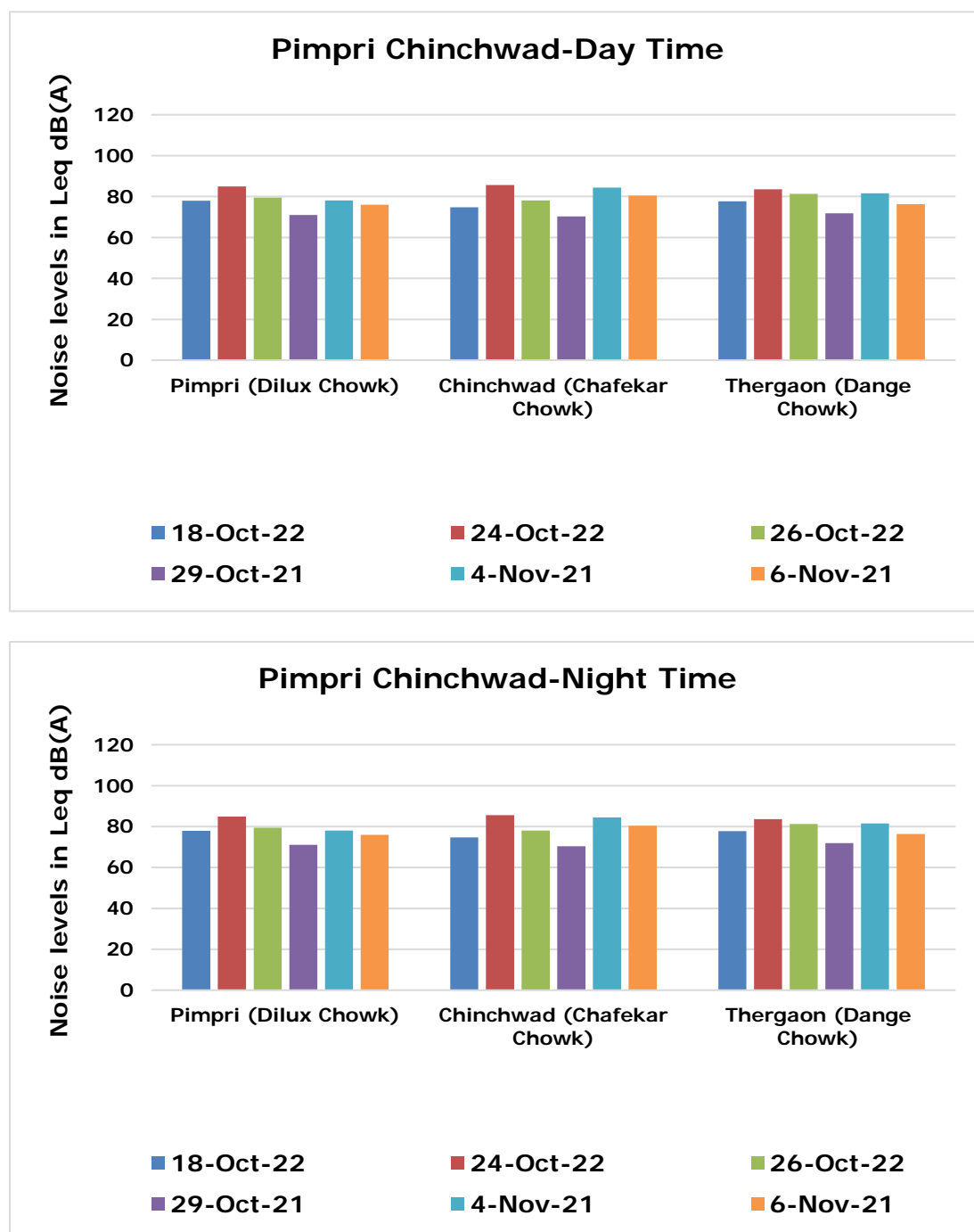
The overall noise levels of Malegaon increased from 2% to 4% this year as compared to last year.



**Chart 6.24: Comparison of Noise Levels for the year 2022 and 2021 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. However, a little increase of 4-7% was observed during day time, when compared with last year (2021) noise levels.

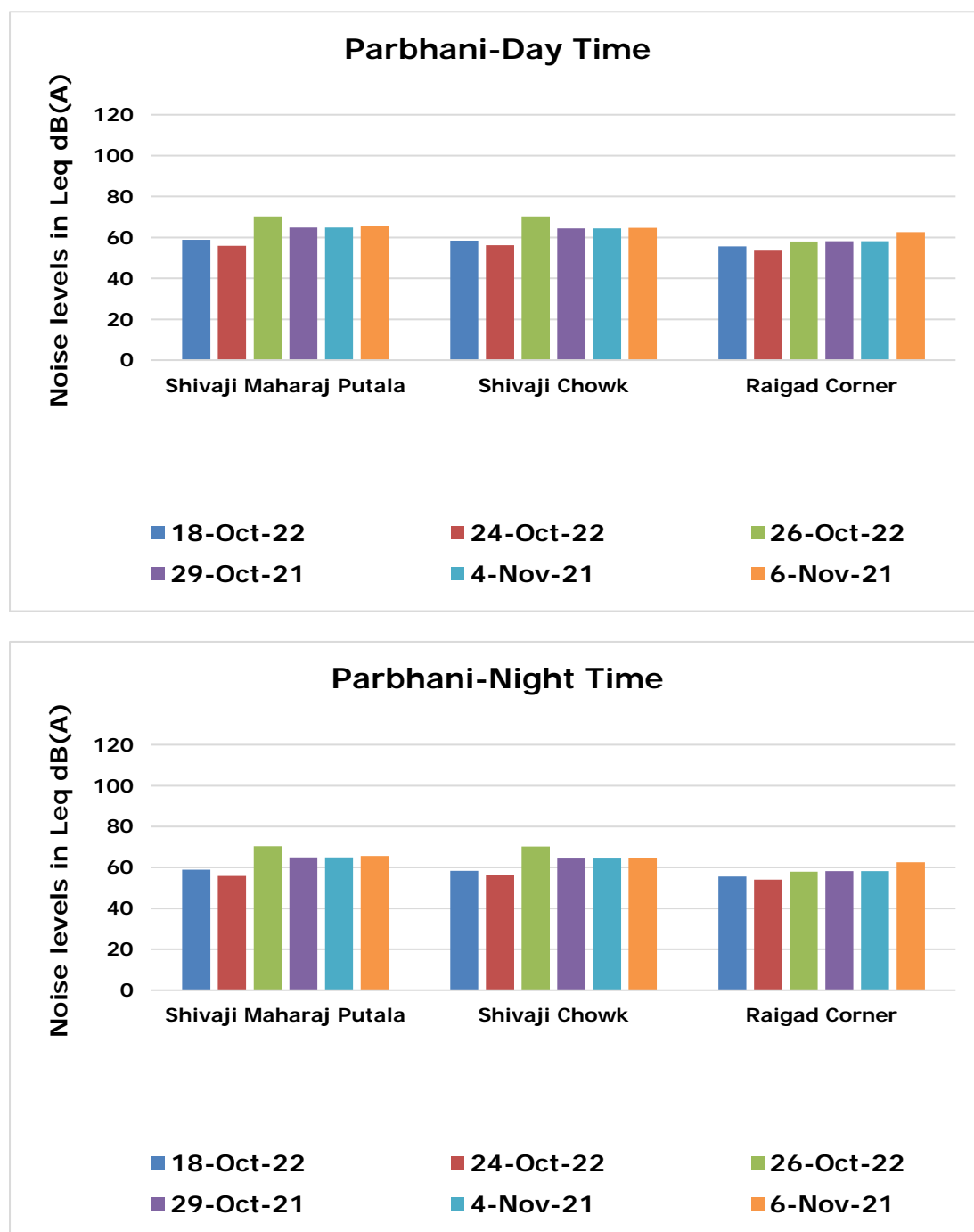


**Chart 6.25: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Pimpri-Chinchwad**



## 6.26 Parbhani

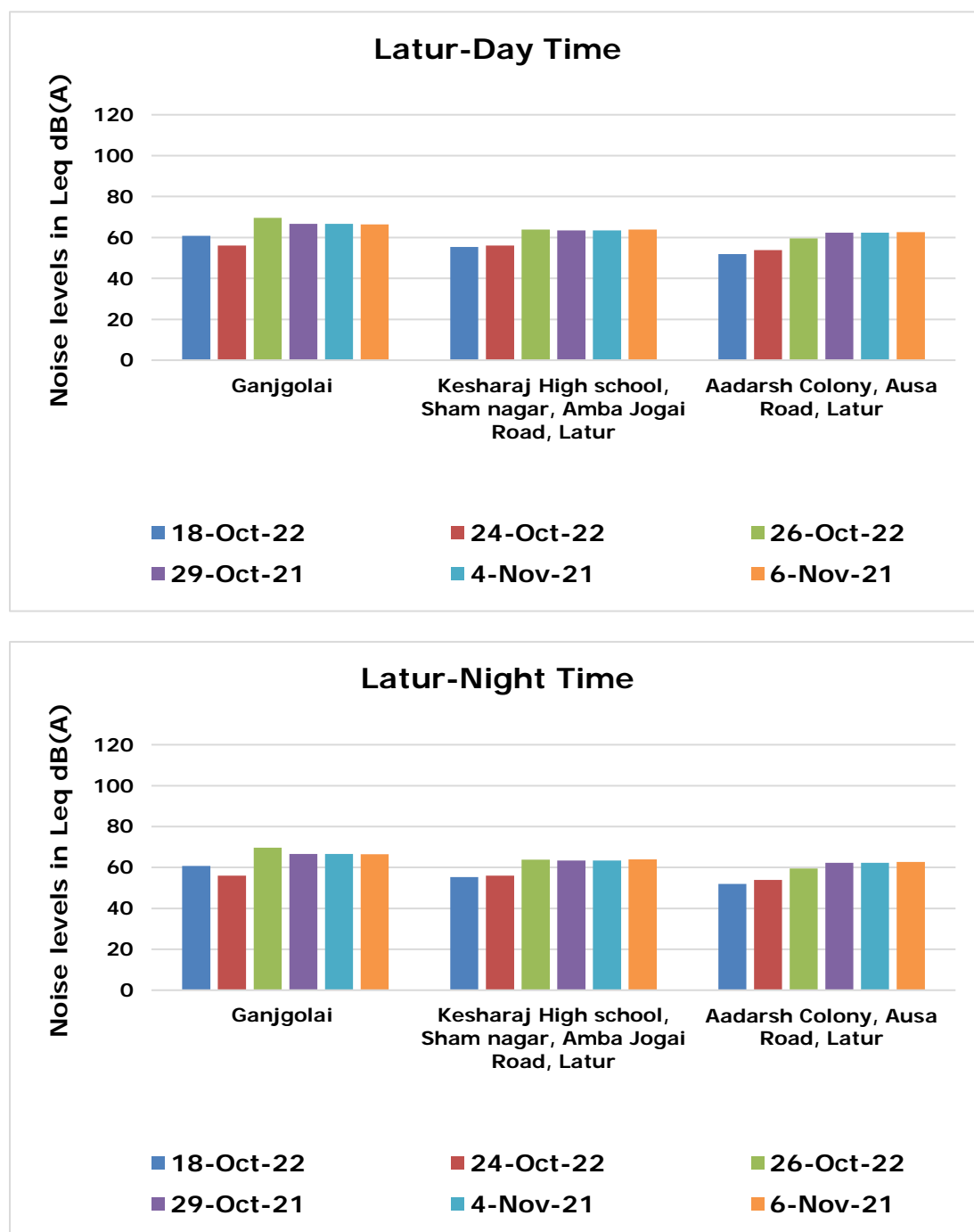
A 6% decrease of noise level is observed at Raigad Corner of Parbhani this year during day time. However, at remaining two locations, the noise levels were more on all 3 days of monitoring.



**Chart 6.26: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Parbhani**

## 6.27 Latur

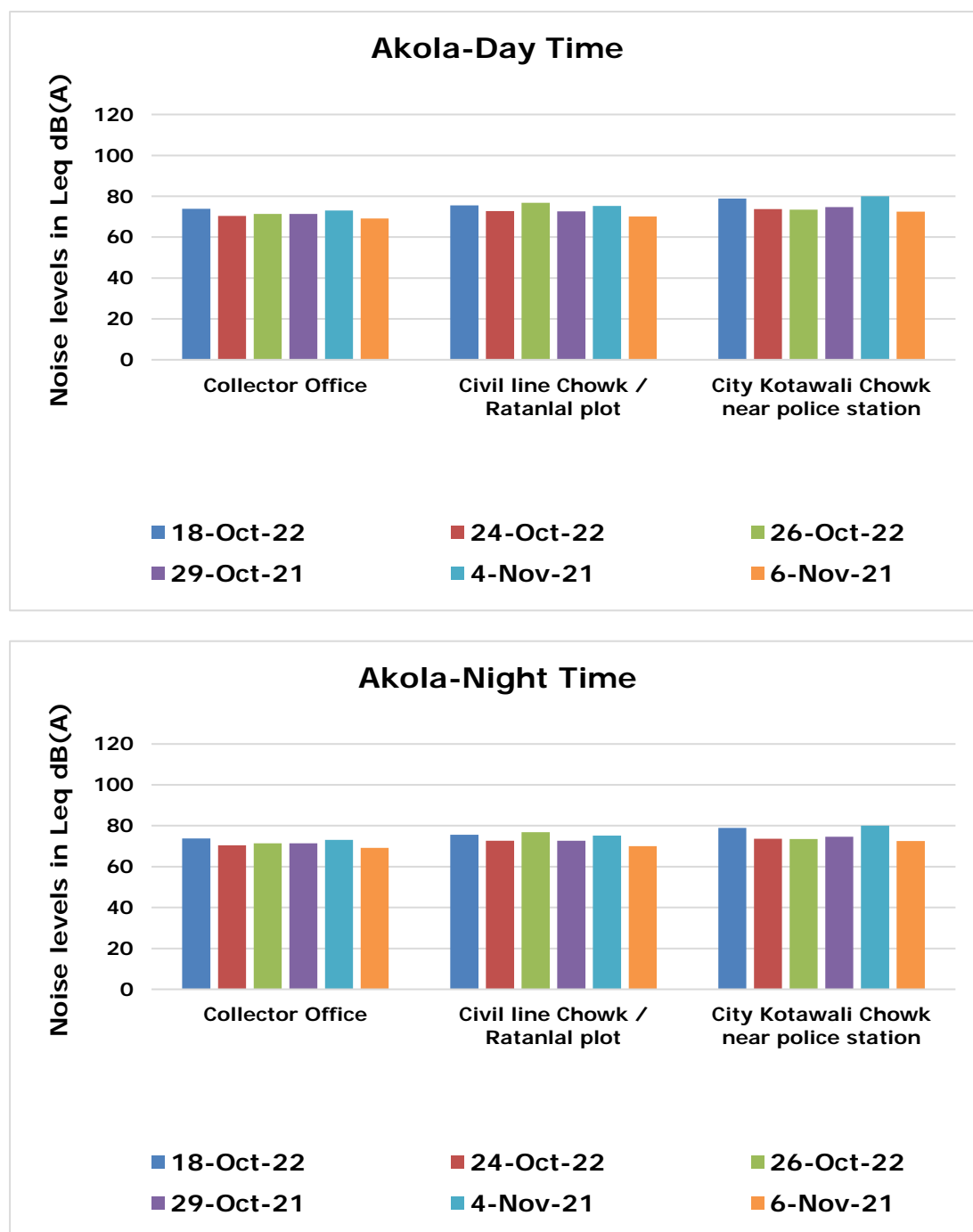
A decrease in noise level (upto 10%) was observed at all three locations of Latur during day time this year. However, the noise levels were higher during the night time as compared to last year's (2021) noise levels.



**Chart 6.27: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Latur**

## 6.28 Akola

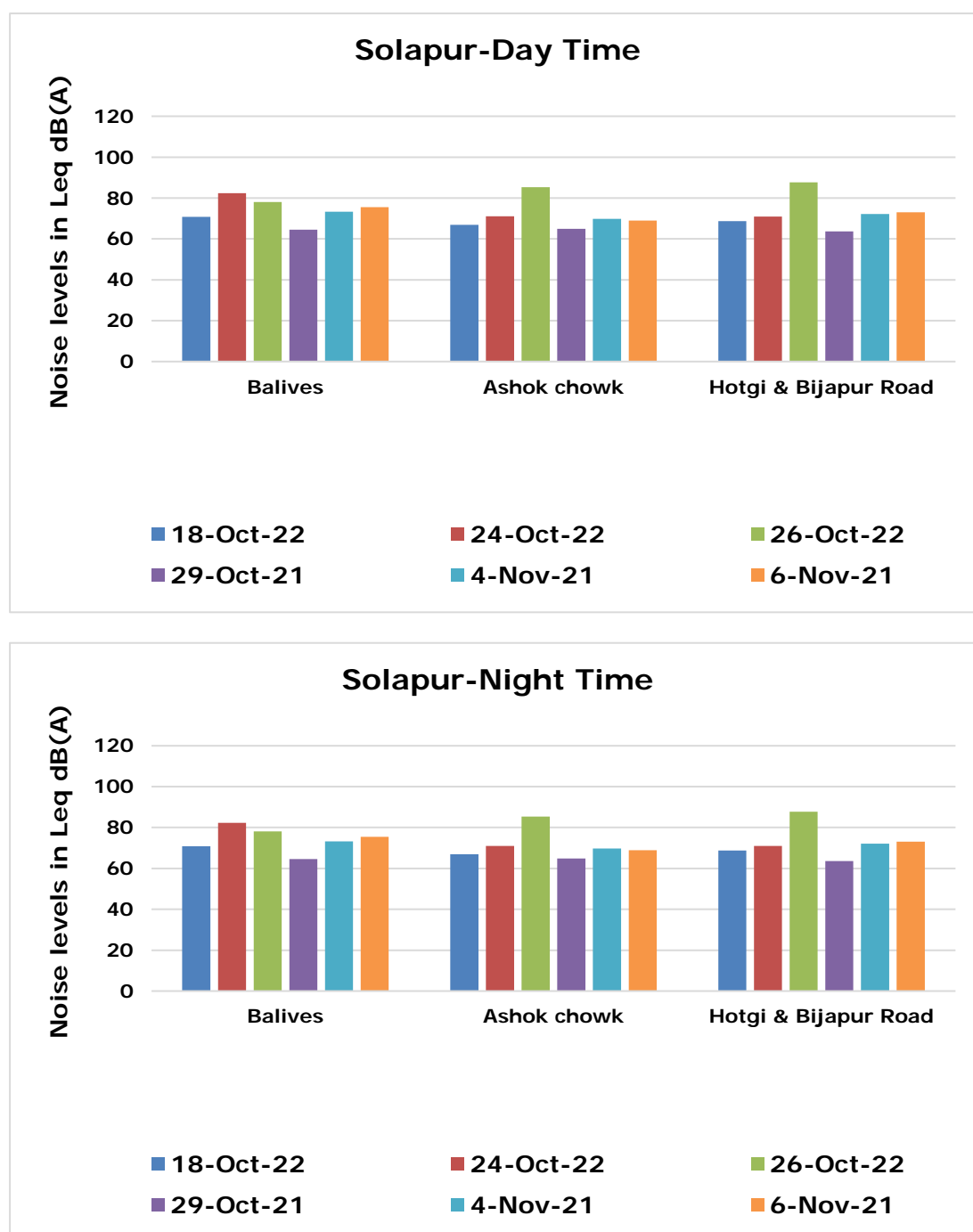
The noise levels of Akola were little higher this year as compared to last year at all three locations on all three days of monitoring.



**Chart 6.28: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Akola**

## 6.29 Solapur

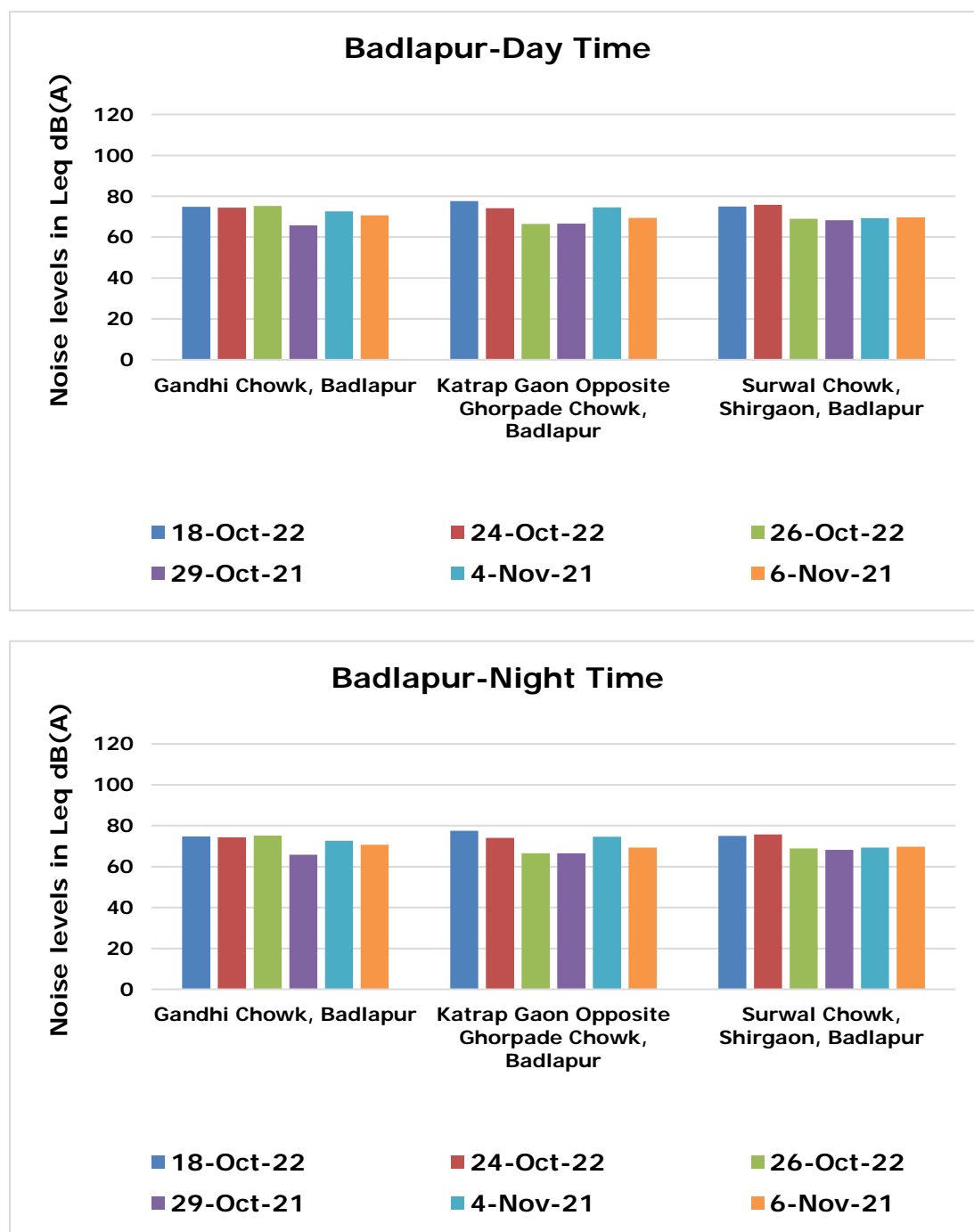
The noise levels at Solapur region were also higher (8% to 16% during day time and 9%-19% during night time) this year as compared to last year.



**Chart 6.29: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Solapur**

### 6.30 Badlapur

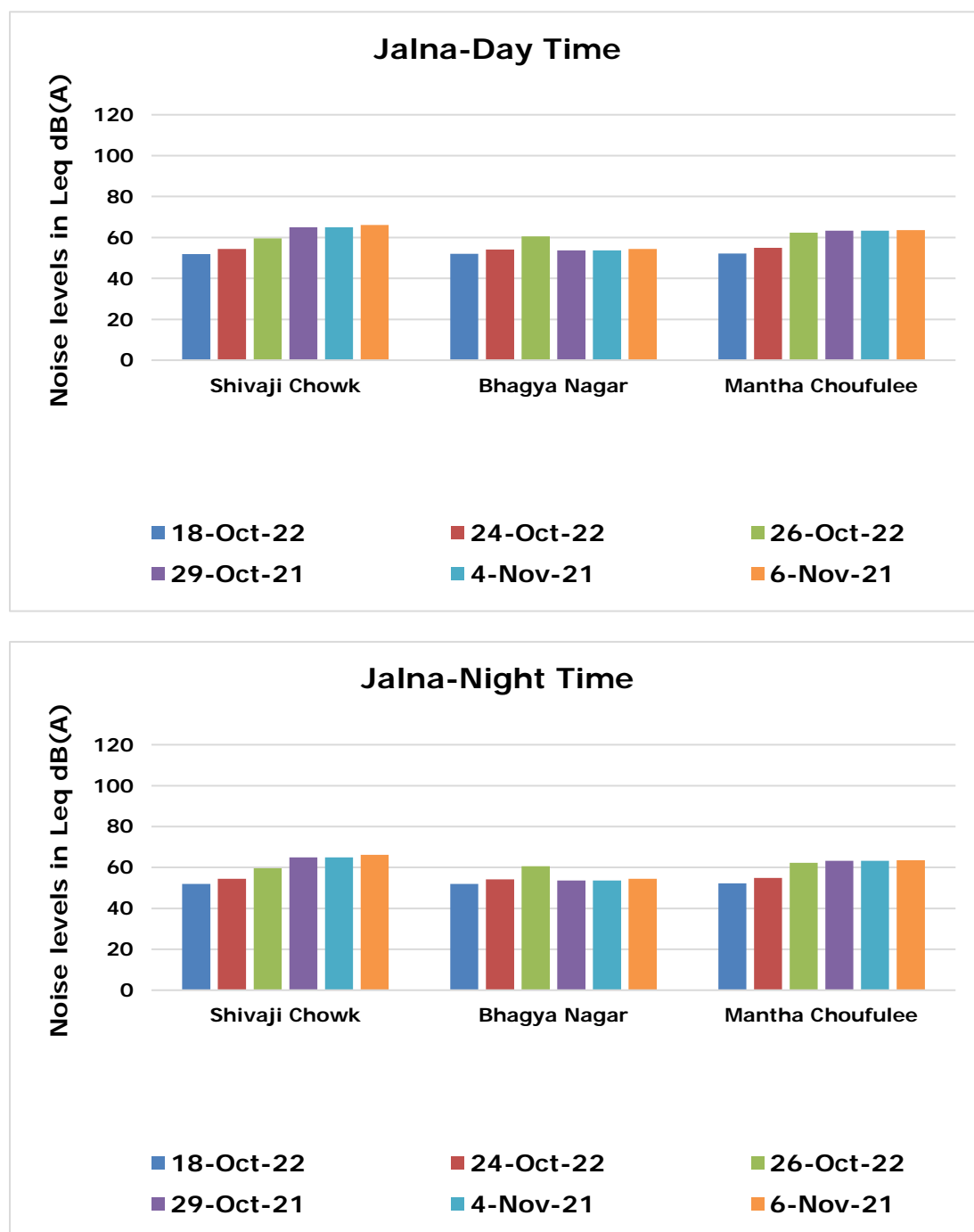
The overall noise levels of Badlapur increased from 4% to 7% during day time this year and 3% to 26% during night time as compared to last year (2021).



**Chart 6.30: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Badlapur**

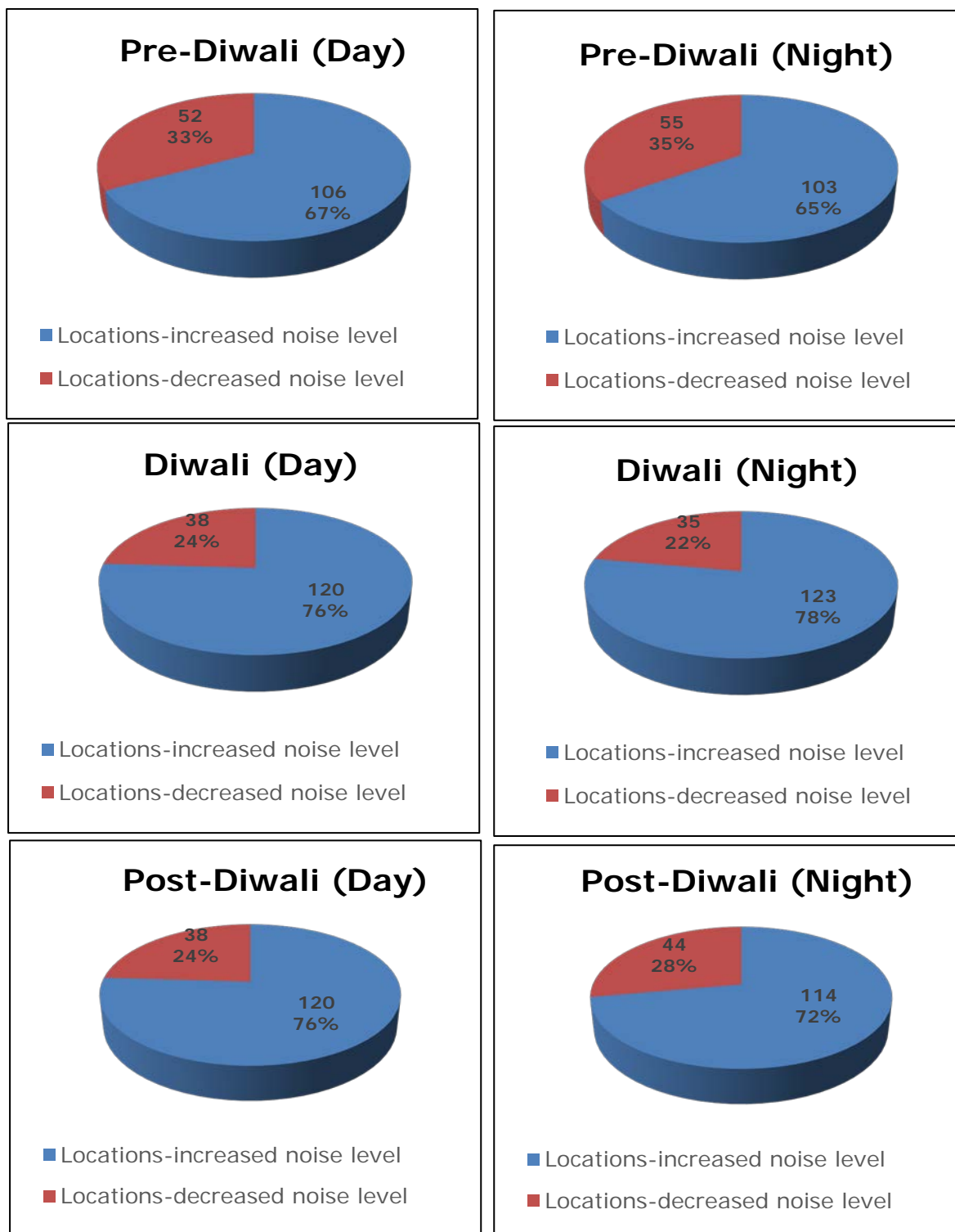
### 6.31 Jalna

In Jalna, Shivaji Chowk and Mantha Choufulee were recorded a decrease in noise level of 13% and 7% respectively during daytime and Shivaji chowk with 3% during night time, when compared with the noise levels of last year (2021).



**Chart 6.31: Comparison of Noise Levels for the year 2022 and 2021 during Diwali Festival in Jalna**

In general, noise levels at few locations show some improvements as compared to the last year (2021). Overall, the percentage distributions of the noise level in terms of increase and decrease with respect to the number of locations for the years 2021 & 2022 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 (2021 & 2022)**

The pie charts shows 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 (2021). However, it increased at 103 locations and decreased at 55 locations during the night time when compared with the previous year 2021 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-2021 noise levels.

Comparing the noise levels of Post-Diwali of year 2021 and year 2022, 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. 18<sup>th</sup> October (Pre-Diwali), 24<sup>th</sup> October (on Diwali) and 26<sup>th</sup> October (Post-Diwali). The results show that the overall decibel levels were higher on Diwali day i.e. 24<sup>th</sup> October as compared to other two days of monitoring.

During this year of monitoring, on pre-Diwali day i.e. on 18<sup>th</sup> October 2022, the noise level ranged between 48.9 and 91.9 Leq.dB(A) while same on the festival day i.e. on 24<sup>th</sup> October 2022, ranged between 43.8 and 96.4 Leq.dB(A) and on post-Diwali day i.e. on 26<sup>th</sup> October (Post-Diwali), it ranged between 45.2 and 92.6 Leq.dB(A). On pre-Diwali Day, the minimum noise level 48.9 Leq.dB(A) was reported at Kranti Chowk, Aurangabad and the maximum noise level 91.9 Leq.dB(A) was reported at Tara Rani, Kolhapur while on Diwali day minimum noise level 43.8 Leq.dB(A) was reported at Khadaki, Pune and the maximum noise level 96.4 Leq.dB(A) was reported at Shahupuri, Kolhapur. On post-Diwali day, the minimum noise level 45.2 Leq.dB(A) was reported at Civil lines, Nagpur and the maximum noise level 92.6 Leq.dB(A) was reported at Tara Rani, Kolhapur.

When compared with the previous year 2021 noise levels, it was observed that this year-2022 on pre-Diwali, out of 158 locations, noise levels increased at 106 locations, decreased at 52 locations during the day time and it increased at 103 locations, decreased at 55 locations during the night time. On Diwali, out of 158 locations, noise levels increased at 120 locations, decreased at 38 locations during day and the same increased at 123 locations and decreased at 35 locations during the night, when compared with the previous year (2021) noise levels. On post-Diwali, out of 158 locations, noise levels increased at 120 locations, decreased at 38 locations during day and the same increased at 114 locations and decreased at 44 locations during night, when compared with the previous year (2021) noise levels. This increase in noise level may be due to the fact that after two years of lock down and pandemic (COVID-19) situations, Diwali was celebrated without many restrictions across the state this year, resulting in substantially higher noise levels at several locations.

The study also exhibits that the average noise levels observed were higher than the prescribed standards. These noise levels were cumulative effect of the various sources of noise including heavy traffic, honking, domestic activities, construction etc and ofcourse the firecrackers.

Although, the state observed rise in decibel levels, but there were few locations where average noise levels get lowered like Vasai-Virar, Latur, Badlapur and Ahmednagar as compared to previous year's noise levels.

Hence, it may be concluded that event although, many efforts have been taken by the officials of the Maharashtra Pollution Control Board, Maharashtra State Police, Municipal Corporations, NGOs, etc for controlling the pollution without hurting the religious sentiments of the people, there is a continuous need to create more and more awareness about pollution due to firecrackers bursting. Pandemic taught each one of us, the importance of self-restriction for a safe and healthy environment. This should be encouraged further. Green crackers and less noisy firecrackers shall be promoted.

## 8 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 =  $20 \log_{10} P/P_r$ .

## 9 GLIMPSE OF THE EVENT

18<sup>th</sup> October 2022



Pune – Laxmi Road



Nashik - Bytco Point



Nagpur - Civil Lines



Jalgaon - Shashtri Tower Chowk



Thane – Wagale Estate



24<sup>th</sup> October 2022



Pune – Saras Bag



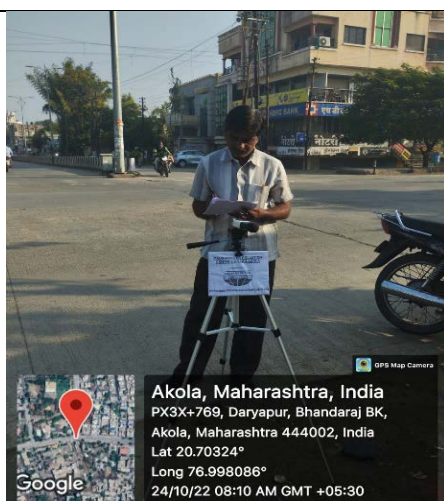
Nagpur - Sadar



Chandrapur - Gandhi Chowk



Kalyan – Bail Bazar



Akola – Collector Office



Kolhapur – Tara Rani Chowk

26<sup>th</sup> October 2022



Amaravati – Budhwara Peth



Nanded - Ganesh Nagar



Nashik - CBS

Navi Mumbai – Sector 6 Market Area



Nagpur – Shankar Nagar



Thane – Kopineshwar Temple



# Annexures

## 10 ANNEXURES

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

Sr. No.	City	Location name (details)
1.	<b>Mumbai South</b>	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
	<b>Mumbai Western Suberbs</b>	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
	<b>Mumbai</b>	Chembur (E) - Near Shivaji Maharaj Statue



<b>Sr. No.</b>	<b>City</b>	<b>Location name (details)</b>
	<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)

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

## 10.2 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.९५/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 अधीक्षक 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 जाहिर 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 पदनाम प्राधिकरण म्हणून जाहीर करण्यात येत आहे. याबाबत संबंधित

रोट्टा/इच-०१००[४००-४-२००९]-१



२

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

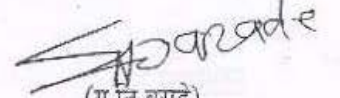
A.

३) ध्वनी प्रदूषण करणारे उपकरणे / स्रोत 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, २००१ 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.वराडे)  
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

			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	<p>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</p> <p>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.</p>
7.	Member Secretary and any officer Maharashtra Pollution Control Board not below the rank of the Deputy Superintendent of Police	Environment Department	<p>(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.</p> <p>(ii) For the enforcement of Noise Pollution Control Measures and Standards in industrial areas.</p>
8.	<p>(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</p> <p>(ii) Head of Maharashtra State Road Transport Corporation or any officer/ Depot Manager not below the rank of the Deputy Superintendent of Police.</p> <p>(iii) Traffic Police Authorities not below the rank of the Deputy Superintendent of Police</p>	Home Department (Transport)	<p>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.</p> <p>The noise levels generated by the in-use vehicles should be monitored while grant of Pollution Under Control Certificate.</p>



## परिशिष्ट- २

**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.

एस-०१०३[५००-५-२००९]-३

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

एच-०१०० -५

१०

# 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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10.3 Annexure III: Comparative Ambient Noise Levels during the Year 2022 & 2021

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22		
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>			
Mumbai South																																				
Colaba - Nariman Point (Intercontinental Hotel)	77.0	56.3	82.9	74.9	57.9	89.0	57.7	50.3	62.3	83.1	62.0	95.2	67.8	58.3	72.1	75.2	61.3	85.9	65.1	52.7	70.2	76.8	57.3	86.3	61.7	50.0	68.0	70.1	51.4	78.9	62.0	48.0	67.0	69.2	49.0	83.4
Mantralaya - Administrative Building	74.2	53.3	80.3	74.7	60.1	80.0	55.9	52.0	59.3	63.5	40.3	74.6	70.7	57.5	75.5	74.9	56.5	79.5	64.9	57.6	69.3	69.5	47.7	79.2	59.8	49.0	67.0	83.6	60.1	94.4	62.7	6.0	69.0	61.3	47.5	72.7
Mazgaon - Tadmadi	71.9	54.4	79.3	67.9	49.5	78.3	62.5	51.3	69.5	60.4	50.0	70.1	70.1	60.1	74.6	79.1	60.8	89.0	63.0	56.7	66.4	68.2	51.4	78.7	66.5	51.0	73.0	73.4	61.4	86.9	66.7	50.0	71.0	64.9	53.8	73.9
Girgaon - Metro Cinema	69.7	55.4	76.8	74.7	54.1	86.4	66.9	52.8	73.6	54.8	40.3	64.3	78.7	55.6	85.5	81.2	67.3	90.5	72.7	48.6	79.4	78.3	60.4	85.4	57.3	48.0	63.0	80.0	50.8	89.5	60.7	49.0	65.0	67.0	52.3	79.8
Worli - New Passport Office	70.3	64.0	71.5	73.5	52.2	89.3	53.4	50.6	55.6	62.1	50.1	70.0	79.8	53.3	85.7	75.9	55.1	90.0	76.5	48.7	84.7	69.4	47.3	84.4	60.9	52.0	67.0	75.0	52.7	86.7	61.1	49.0	68.0	69.6	42.4	81.2
Prabhadevi - Siddhivinayak Mandir	61.7	53.5	64.1	73.7	59.0	80.3	58.3	52.2	62.3	59.5	45.5	69.8	82.7	52.4	90.8	80.8	56.5	89.9	75.4	48.3	81.3	80.0	62.5	89.9	68.2	55.3	72.3	73.8	63.2	81.9	63.6	51.0	68.0	71.8	45.7	85.2
Mahim - Police Colony	70.6	58.6	75.5	71.5	44.5	83.2	57.0	52.3	62.3	63.1	51.2	73.9	70.9	58.6	74.8	71.4	44.5	89.1	73.0	55.7	81.7	77.1	60.4	85.4	71.7	60.4	78.9	80.4	52.2	86.7	64.1	52.0	71.0	74.8	52.4	85.9
Parel - Bhoiwada	68.2	56.1	72.8	72.8	51.5	83.1	56.0	52.3	60.3	62.2	47.5	74.5	78.0	67.7	82.7	77.6	63.8	85.1	71.4	45.6	79.1	65.4	47.2	75.1	71.1	56.6	78.3	76.3	61.1	85.7	71.2	63.5	76.5	68.8	49.0	79.4
Byculla - Church (W)	69.6	56.7	73.6	71.5	50.8	82.9	58.5	52.2	66.1	64.9	51.2	79.6	79.9	69.5	82.0	75.6	51.4	88.2	78.4	47.3	87.3	67.3	41.1	80.3	71.7	57.2	76.3	80.6	52.2	87.5	70.7	64.2	75.9	72.4	52.4	82.5
Dadar - Shivaji Park	74.7	61.9	79.8	78.6	55.8	88.5	58.0	51.7	65.0	63.7	40.8	76.5	81.0	60.0	91.5	82.0	62.7	89.5	76.7	60.5	85.5	77.9	50.5	87.5	69.2	50.1	75.5	79.9	54.8	89.9	64.6	52.1	71.2	68.4	41.1	80.1
Sion - Sion Circle	66.7	53.6	70.9	78.0	55.5	88.9	61.0	52.2	68.2	62.0	54.4	68.5	78.1	59.7	89.4	83.6	60.1	94.4	71.4	61.5	79.5	65.1	51.6	75.9	70.2	62.7	74.0	73.4	59.6	86.1	60.7	50.2	66.4	66.7	54.3	81.5

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22			
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>				
Hindu Colony - Dadar Hindu Colony	61.5	51.5	66.2	74.7	53.2	88.2	59.5	52.0	65.0	55.6	46.7	67.5	79.8	61.3	89.5	75.4	55.7	87.2	68.9	54.3	75.4	71.0	55.7	85.9	68.2	60.1	71.7	68.7	54.7	78.5	66.6	50.0	72.0	57.7	44.6	70.1	
Matunga - Gandhi Market	70.9	56.9	78.1	81.2	56.7	88.2	60.9	51.1	68.2	74.3	52.5	82.2	79.1	56.7	89.1	72.4	51.2	86.6	63.6	52.6	68.3	77.7	53.7	88.9	68.5	54.3	75.1	84.3	64.0	90.8	58.3	49.0	64.0	70.0	49.0	79.7	
Kamathipura - Kamathipura	72.8	62.3	80.4	72.4	43.1	83.3	66.0	51.3	74.1	60.4	50.0	70.3	78.9	58.2	89.1	77.7	59.5	90.3	66.4	54.3	71.7	77.3	50.6	89.5	68.0	55.2	74.1	74.6	54.5	87.6	59.1	51.0	63.0	68.1	51.9	75.4	
Malabar Hills - Sahyadri Guest House	68.6	62.7	73.7	77.3	56.6	85.7	59.4	52.0	66.0	73.0	57.9	83.1	76.4	58.7	84.5	75.5	60.2	83.9	69.5	65.5	72.3	68.7	51.2	79.3	67.2	55.1	72.9	76.9	57.3	87.7	46.4	38.1	53.6	71.5	50.5	84.6	
Mumbai Western Suberbs																																					
Sahar - Near Lila Pinta	75.4	64.3	79.2	77.3	61.0	85.1	64.0	58.7	66.4	63.1	44.9	73.5	69.4	58.2	75.6	76.7	60.3	83.3	67.3	47.6	75.3	63.3	44.9	73.5	62.6	54.3	67.9	76.2	67.4	82.3	60.2	45.6	67.1	68.1	50.5	78.1	
Santacruz (E) - Prabhat Colony	72.8	58.3	80.1	70.9	55.1	78.8	64.1	59.7	66.4	59.4	45.5	70.0	77.1	66.4	81.2	81.1	55.9	92.5	68.2	43.4	75.9	65.2	44.9	78.2	68.5	60.0	73.7	74.0	49.9	82.7	59.8	43.6	67.1	68.0	44.4	80.0	
Vile Parle - Paranjape School	73.9	69.6	79.1	68.0	54.3	73.8	64.8	59.7	68.5	62.3	55.2	67.3	77.9	67.8	81.3	75.6	60.1	82.9	71.2	48.7	79.3	67.9	51.2	78.4	68.3	54.1	72.4	72.8	59.3	83.8	59.0	46.9	65.7	65.0	53.4	73.6	
Bandra - Kala Nagar	72.6	59.4	82.5	77.3	52.3	89.8	59.1	52.3	62.3	62.0	52.6	69.7	73.1	52.3	78.6	77.0	53.8	89.9	75.9	45.6	84.2	79.2	62.7	89.0	66.8	56.0	73.0	66.1	47.5	77.4	56.7	47.3	60.8	70.9	54.3	79.7	
Goregaon - Shubhash Nagar	74.0	65.4	77.7	68.8	54.3	81.5	58.9	51.3	64.2	59.8	50.7	68.3	74.1	56.3	78.9	83.7	61.8	97.9	67.9	48.6	76.3	79.6	63.3	87.7	72.7	53.4	79.9	84.0	62.9	91.8	58.7	48.6	64.3	66.2	52.8	77.3	
Jogeshwari - Majesh Wadi	70.8	60.2	80.8	68.1	54.7	80.0	58.3	52.3	62.3	61.8	50.3	70.3	74.3	52.7	79.8	76.6	51.0	89.5	65.1	50.1	72.5	71.9	50.4	81.5	74.5	54.7	82.1	77.6	52.5	96.1	59.3	50.1	63.4	67.5	54.9	77.2	
Versova - Azad Nagar	73.3	61.5	82.8	66.7	52.3	75.7	60.4	50.5	66.2	70.3	49.2	88.5	73.8	53.6	79.6	77.7	56.5	89.9	63.3	57.9	66.1	71.2	50.1	81.0	72.1	63.2	76.1	82.6	58.2	98.3	65.8	52.8	73.5	65.2	50.9	79.3	



	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22			
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>				
Marve - Marve Church	72.5	56.5	81.4	67.5	47.3	75.5	60.7	54.9	65.2	62.6	50.2	72.3	76.9	72.1	79.9	72.8	52.4	84.2	55.9	42.9	62.1	66.7	55.0	80.1	77.4	62.6	86.3	71.6	58.9	80.2	55.9	42.6	63.2	72.3	40.4	81.3	
Borivali East - Near Station	74.9	58.2	82.7	68.2	52.1	83.6	57.3	50.2	64.4	63.0	50.5	76.3	75.5	66.2	80.7	71.6	53.8	85.3	61.3	5.9	69.2	68.8	52.9	78.9	69.1	57.3	74.1	76.0	53.0	87.3	59.4	53.2	62.3	74.3	56.4	86.7	
Borivali West - Near Mc Donald	73.4	62.8	78.8	68.8	48.2	80.1	63.1	52.3	68.4	58.3	50.2	68.7	75.8	69.5	78.9	76.9	55.7	85.7	66.5	48.6	73.8	70.3	56.8	81.9	71.7	54.3	80.3	77.9	59.1	89.7	68.1	55.3	75.4	69.9	45.5	81.4	
Dindoshi - Bus Depot	68.3	54.8	74.5	70.1	51.7	88.6	61.8	50.3	68.3	61.8	51.3	70.3	74.5	66.4	77.8	73.1	49.7	85.1	54.8	42.1	62.1	64.8	54.2	72.7	72.6	56.3	80.9	78.4	54.1	87.3	57.4	47.8	64.2	73.4	56.4	86.7	
Kandivli (E) - Station Road	75.5	58.8	79.9	79.1	60.9	89.0	58.2	52.1	62.7	70.6	51.4	80.7	73.7	62.1	77.3	83.6	59.1	94.4	64.7	44.3	72.8	60.6	45.1	68.4	73.7	43.2	82.4	85.3	45.1	97.3	57.6	53.4	60.8	76.8	56.6	88.6	
Dahisar (E) - Near Station	66.0	58.5	70.5	67.8	42.0	80.5	58.1	48.3	61.6	61.5	50.1	70.3	76.0	63.5	79.6	78.2	55.5	89.9	64.4	59.5	69.0	68.7	54.7	80.9	71.9	51.6	78.8	76.1	56.0	87.8	51.7	40.3	58.5	76.2	56.9	89.7	
Juhu - J.V.P.D. Scheme	66.5	61.6	69.6	77.4	50.2	90.8	60.6	43.3	67.5	64.0	47.9	79.4	75.2	62.5	81.8	76.0	50.0	85.4	65.5	61.2	69.1	67.7	47.2	84.6	71.2	54.6	79.2	71.7	49.2	83.1	61.3	42.1	69.8	72.0	42.1	83.3	
Malad (W) - Malad Marve Road	68.5	62.5	71.5	66.9	54.4	75.4	58.9	53.2	62.8	62.9	51.2	72.3	70.9	59.2	77.6	73.6	51.0	85.6	66.2	60.1	69.0	68.6	55.7	80.1	71.1	48.1	79.3	72.3	43.7	83.1	58.6	40.2	65.2	70.6	54.7	79.6	
Mumbai Eastern Suberbs																																					
Chembur (E) - Near Shivaji Maharaj Statue	78.6	59.4	83.0	70.7	51.8	79.1	64.3	51.3	70.2	70.3	49.2	88.5	75.9	64.0	79.1	83.6	60.1	94.4	60.1	42.9	67.8	64.1	47.9	79.4	71.9	47.9	79.6	83.5	60.2	94.4	57.9	43.4	62.4	72.1	42.1	83.3	
Trombay - Ashish Cinema	79.6	62.0	82.9	79.3	57.3	89.5	67.4	51.3	72.4	62.3	54.7	69.7	73.1	61.4	78.8	79.0	55.6	95.3	59.9	40.7	68.4	80.5	60.4	95.4	70.6	62.9	74.1	83.6	60.2	94.4	56.3	42.1	62.8	61.8	51.3	70.3	
Kurla - Bus Depot	77.7	59.7	83.8	77.0	51.1	89.7	68.9	59.0	73.4	60.6	50.9	70.1	68.8	63.4	71.4	81.1	54.1	94.1	61.5	42.9	69.7	71.1	50.5	81.4	69.3	66.0	73.5	82.7	35.6	99.7	57.3	43.1	62.7	71.6	52.0	82.6	

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22		
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>
Ghatkopar East - Garudia Nagar	78.5	66.3	83.8	83.2	62.1	98.5	65.4	55.3	69.3	73.1	47.3	85.9	72.2	51.1	76.3	89.0	65.6	103.2	65.4	44.6	71.9	80.8	63.6	88.7	70.4	57.6	78.8	87.7	54.1	99.7	59.2	44.9	65.7	69.6	38.3	84.2
Ghatkopar West - Amar Mahal	70.9	49.7	78.8	77.0	62.3	88.2	60.0	51.3	65.3	76.5	52.4	89.0	74.3	57.3	77.3	80.9	60.3	89.7	64.1	44.3	69.5	79.4	60.9	89.2	70.5	58.3	75.5	82.6	55.7	89.8	62.4	58.3	65.3	76.5	59.9	89.3
Mulund East - Station Road	76.2	60.3	83.1	71.7	62.1	79.6	53.2	40.7	60.3	61.6	44.2	69.2	75.2	56.7	78.3	74.7	60.8	82.2	57.6	52.9	62.5	71.4	46.6	81.2	70.8	57.4	77.2	73.8	60.5	82.2	61.6	52.0	66.3	74.0	45.6	83.3
Mulund West - S Rasta	76.5	64.9	84.3	70.4	54.5	78.5	64.1	50.3	68.4	67.5	41.2	78.4	74.8	56.0	81.0	75.6	66.2	82.4	65.1	59.2	69.1	71.0	52.1	79.5	73.1	65.2	77.2	73.1	63.9	79.1	70.0	65.5	73.6	67.6	54.3	76.2
Sakinaka - Safed Pool	72.0	64.8	76.8	69.0	53.4	75.8	58.0	46.7	63.9	62.2	55.7	70.0	73.2	56.0	77.5	75.3	61.0	83.2	66.6	59.9	69.6	68.5	51.2	77.9	70.8	55.8	76.7	72.5	59.0	83.6	63.8	51.2	69.8	64.8	53.7	71.9
Powai - Hiranandani Garden	71.4	64.1	73.7	67.9	56.0	74.6	56.7	41.8	64.3	61.1	55.0	68.1	70.1	56.4	76.4	75.7	61.5	83.4	63.7	55.2	69.6	69.0	51.8	78.9	65.2	53.8	69.5	71.9	59.5	85.2	63.8	52.3	70.1	65.0	54.1	73.6
Wadala - R. A. Road	73.8	62.3	79.4	83.9	62.1	89.8	54.2	50.8	58.6	61.9	54.6	69.1	69.8	63.3	72.5	83.7	61.9	90.2	61.2	55.1	65.5	61.3	53.9	68.0	66.1	52.3	71.2	84.3	62.3	90.8	69.3	58.3	75.3	61.1	55.0	68.1
Dharavi - Tumbawara Junction	73.0	57.9	77.2	68.6	55.2	75.7	62.8	51.6	68.6	61.1	55.0	68.1	71.6	65.2	75.5	75.4	60.8	82.9	64.4	59.9	68.8	68.3	51.4	78.7	71.4	54.7	77.3	70.5	60.0	77.7	61.0	5.2	69.5	65.1	53.8	73.6
Sewree - Station Road	69.5	65.1	71.6	76.2	60.3	85.7	64.0	56.8	68.4	62.3	54.7	69.7	70.5	60.1	73.3	82.3	53.5	95.5	66.5	57.2	72.3	78.5	60.8	88.6	73.4	55.9	79.0	76.3	60.3	88.5	60.7	41.6	68.7	74.1	44.5	88.8
Kalina - Vakola	73.8	64.8	78.0	69.7	54.0	79.4	63.7	60.0	67.3	71.9	42.5	82.7	74.8	57.0	79.6	75.3	60.5	83.5	64.2	44.3	70.7	68.3	51.1	77.5	70.1	61.3	78.0	73.7	59.8	86.5	60.3	43.5	66.3	65.6	53.7	73.9
Vikhroli (W) - Near Cipla Company	73.9	63.3	79.3	71.6	55.7	84.1	56.9	51.3	62.6	61.8	54.7	69.9	69.2	56.5	72.0	78.2	51.3	89.2	64.5	47.1	72.3	64.1	47.9	79.4	68.4	60.3	74.0	74.6	55.8	88.3	63.8	48.5	69.3	56.9	47.5	65.0
Bhandup (W) - Kakan Nagar	75.9	50.6	84.6	75.9	51.7	85.2	65.0	53.3	70.6	64.2	41.4	73.7	65.9	58.3	71.0	79.3	52.3	98.4	62.8	49.4	68.9	68.6	52.1	77.8	70.4	61.3	78.0	77.1	61.9	82.8	61.0	48.2	68.7	63.4	51.9	76.9

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22			
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>				
Navi Mumbai																																					
CBD - Meenakshi Hotel ground Sector - 6 Market area	73.7	57.3	81.2	74.4	61.2	81.1	63.9	56.6	68.8	68.0	60.2	76.3	71.8	55.9	79.4	82.3	60.0	99.9	56.1	51.6	59.3	86.9	60.1	99.0	71.0	63.2	73.7	64.8	60.3	69.3	60.8	54.9	66.7	69.4	44.3	81.4	
Nerul Sector II - Near Bus Depot	75.9	58.7	81.9	73.4	50.2	82.5	63.0	55.1	68.8	66.4	47.3	76.4	65.1	59.8	67.8	84.5	50.8	98.1	58.3	56.3	60.1	82.3	8.4	92.7	68.0	60.3	74.5	83.7	56.4	90.8	62.2	52.3	65.5	75.1	55.1	86.4	
Vashi Sec. I - Near Fish Market	75.9	58.7	84.2	71.8	45.4	87.6	62.4	52.3	66.7	64.2	41.4	73.7	72.1	56.7	77.2	72.8	51.8	86.2	60.1	53.5	65.0	66.8	51.9	80.1	74.8	54.3	81.3	74.6	54.5	87.6	64.0	53.9	69.0	68.1	51.9	75.4	
Vashi Sector 9 - Father Agnil School	76.6	62.1	85.6	69.3	56.1	76.8	62.2	55.3	67.5	58.5	45.1	67.1	71.0	56.6	79.2	75.3	48.6	96.6	69.4	50.3	76.0	55.3	33.0	66.3	72.6	46.3	80.5	66.8	40.8	83.7	57.1	45.5	64.2	63.5	45.1	79.3	
Vashi Sector 15 - Sec. 15 - 16 Market	73.0	62.5	79.1	78.6	47.4	87.1	54.4	51.3	59.2	73.0	55.4	84.0	75.6	52.5	79.3	80.2	62.3	88.9	69.5	52.7	74.7	71.6	52.0	82.6	69.6	52.3	77.8	79.1	55.4	89.0	59.3	49.1	65.3	71.9	50.3	83.7	
Kopar Khairne Sec 10 - De-Mart Chowk	69.6	60.4	73.2	75.4	52.0	86.4	60.6	44.6	67.0	70.5	50.5	79.9	80.0	66.2	86.2	80.7	63.4	87.5	62.9	56.0	66.7	72.6	53.0	82.5	68.2	55.4	73.0	79.7	53.8	86.2	55.5	45.5	61.6	70.1	50.1	79.4	
Airoli - Police Chawki, Mulund - Airoli Road	73.6	60.4	77.9	68.8	43.0	84.7	68.4	42.3	77.1	62.2	54.1	69.7	71.0	61.3	75.8	75.6	60.2	83.9	79.4	50.3	86.3	68.5	51.2	78.0	67.8	50.3	71.3	72.7	60.4	87.6	65.8	53.4	71.5	64.9	53.3	73.2	
Rabale - Village Entry Point	68.5	61.4	75.8	76.4	52.9	89.0	63.9	41.5	71.8	71.9	48.2	84.2	72.8	50.2	77.8	74.4	62.2	81.1	69.2	57.8	74.6	68.9	52.4	78.0	69.4	60.7	70.8	78.8	60.9	89.9	56.9	46.3	62.2	69.9	52.5	79.0	
Ghansoli - Opp. To NMMC Ward Office	67.6	60.7	72.4	77.3	60.9	89.8	68.0	57.2	73.1	61.8	45.4	69.9	70.0	53.2	77.6	74.8	56.5	79.5	61.5	52.7	63.7	68.1	47.7	80.8	59.5	54.4	63.0	73.5	50.2	82.1	61.9	50.5	68.6	76.7	59.3	82.1	
Thane																																					
Shiv Mandir - In front of Kopineshwar Mandir	78.8	60.2	85.5	78.9	56.3	89.5	59.2	49.8	64.7	70.8	46.8	83.6	71.6	57.3	78.6	74.6	55.5	88.3	72.1	66.6	77.7	70.9	54.3	79.7	69.4	60.5	74.5	73.8	55.2	88.3	71.2	50.0	79.6	68.8	50.3	79.0	

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22		
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>			
Tembhi Naka - Four Way Road (Junction)	64.9	55.5	71.8	78.7	45.2	96.3	63.8	53.7	69.9	74.0	57.0	81.7	72.6	59.1	77.6	86.6	42.1	99.1	61.4	46.8	68.1	82.1	54.7	96.4	73.0	61.3	78.2	74.2	57.8	86.3	60.6	47.4	66.3	61.1	55.0	68.1
Ghokhale Road - Near Woodland Shoes	74.5	59.5	80.4	71.5	51.4	87.1	64.9	48.3	72.9	69.2	49.0	83.4	71.8	60.1	78.1	70.0	51.4	77.4	64.6	42.4	72.2	69.2	49.0	83.4	69.3	60.5	73.2	70.1	51.4	78.9	50.6	40.8	56.7	69.2	49.0	83.4
Pokharan - Vartak Nagar	68.3	61.6	76.3	75.3	51.1	88.8	62.8	50.3	70.1	61.3	50.1	70.3	76.4	63.7	79.5	80.9	59.1	89.6	63.1	55.0	69.1	76.2	55.0	88.4	71.0	51.3	75.3	70.0	51.4	77.7	57.9	46.9	64.8	69.2	49.0	83.4
Wagle Estate	72.5	62.4	78.5	77.4	44.7	89.8	68.0	55.1	75.9	62.2	50.0	68.4	68.6	52.8	73.3	76.0	56.1	87.4	59.6	53.4	65.1	66.5	55.0	77.8	71.0	68.9	72.8	72.4	54.4	83.1	51.9	40.6	57.5	65.4	50.9	79.3
Panvel																																				
Shivaji Chowk	71.7	63.5	74.8	74.9	55.7	84.2	67.2	57.3	72.3	56.8	41.9	63.5	63.5	57.1	67.7	82.9	59.5	99.5	63.5	46.0	71.2	82.7	51.1	101.5	77.4	60.0	87.8	71.1	53.4	79.1	67.9	64.9	71.6	67.7	52.3	78.6
Khanda Colony	67.2	58.8	75.3	75.1	60.2	83.5	67.0	58.1	72.3	70.5	60.0	77.9	72.0	56.1	75.7	72.3	60.1	79.8	64.7	42.3	71.2	71.4	60.3	80.1	70.0	51.2	76.9	73.4	61.4	86.9	51.2	42.6	58.5	64.9	53.8	73.9
Kharghar Utsav Chowk	70.6	59.6	80.1	77.8	53.7	87.8	66.0	57.2	71.3	62.2	50.0	68.4	73.2	68.3	76.9	80.2	54.5	89.6	57.4	43.5	63.2	73.8	60.1	86.6	70.4	57.7	78.6	80.6	53.6	89.9	47.5	42.7	52.7	74.1	60.1	85.6
Pune																																				
Shivaji Nagar (Sakhar Sankul )	70.9	57.4	74.6	76.4	59.4	84.2	56.7	42.8	63.4	62.9	40.2	76.9	75.4	63.9	82.5	83.3	64.8	93.3	61.0	45.2	67.2	68.1	40.3	81.6	75.1	49.7	79.8	79.4	64.3	88.4	56.9	46.3	62.8	60.0	41.7	71.9
Karve Road (Nal Stop)	73.1	59.6	77.2	81.2	63.1	89.8	60.0	46.7	66.3	61.7	40.1	72.6	79.1	60.7	87.6	86.2	69.8	96.4	71.7	45.2	80.1	70.1	40.8	82.7	73.4	58.9	77.3	81.9	65.1	90.1	61.6	48.9	68.7	60.4	42.8	73.4
Satara Road (City Pride)	74.9	58.9	79.1	76.8	56.2	88.1	58.3	41.7	64.3	61.2	40.1	73.4	83.0	63.8	88.5	84.2	68.2	93.5	60.0	45.3	66.3	71.3	40.6	82.9	81.1	59.6	84.4	79.6	58.2	89.9	60.3	42.1	66.3	60.8	43.5	73.5

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22		
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>
Swargat	74.3	61.3	77.9	77.9	50.4	88.0	64.3	48.4	71.8	64.4	40.1	74.6	81.1	61.4	87.9	86.9	60.2	96.3	69.0	47.6	77.1	74.1	40.6	89.4	82.7	57.9	91.0	79.7	65.4	86.6	63.1	52.4	69.3	63.1	43.5	73.5
Yerawada (Mental hospital/Jail Road)	70.7	57.9	76.5	70.6	57.3	79.2	57.0	43.7	62.1	61.7	40.1	73.4	75.9	61.6	83.2	83.0	60.5	92.3	63.6	44.3	71.6	68.8	40.9	81.3	73.9	54.1	79.8	75.2	56.6	86.6	57.3	42.7	63.4	60.2	42.8	72.8
Khadaki (Khadki Bazar)	71.7	61.2	76.8	76.0	60.9	84.0	58.6	46.8	63.7	61.4	40.3	72.4	83.0	64.5	93.5	84.9	70.2	95.4	66.5	48.7	71.9	76.2	43.8	89.7	75.6	62.1	81.3	78.5	63.4	85.6	60.7	45.6	66.3	62.3	42.7	75.6
Shaniwarwada	73.3	60.8	77.1	78.7	58.9	92.2	63.7	45.7	71.2	65.5	40.1	79.6	79.9	62.3	85.3	85.8	72.1	94.5	69.8	51.3	76.7	76.5	41.7	89.6	80.9	60.3	89.4	79.6	65.4	88.6	61.2	51.3	65.4	62.6	43.0	74.6
Laxmi Road	74.7	61.8	79.5	81.8	58.4	93.5	62.1	45.9	68.9	62.2	40.1	71.3	80.9	62.1	87.9	87.7	69.6	96.6	74.7	52.3	81.2	76.2	41.6	91.2	76.9	61.9	80.1	81.7	64.5	91.2	60.4	49.2	62.9	61.0	42.5	75.2
Saras Bag	71.5	61.3	77.3	76.9	55.2	88.1	58.1	44.7	64.2	61.5	40.2	74.3	78.1	64.5	86.5	85.1	70.2	95.5	68.2	49.7	74.3	72.7	41.5	86.3	76.8	61.3	83.7	80.2	65.3	92.2	59.2	45.4	65.1	58.9	42.0	73.4
Aundh gaon	68.5	57.2	73.6	77.1	60.4	87.4	54.8	44.1	60.2	55.8	40.1	71.3	75.6	59.6	80.6	86.2	70.3	96.6	63.0	45.2	68.3	67.5	40.2	83.0	71.7	58.3	76.7	79.6	62.2	88.4	58.8	46.2	64.2	52.5	41.8	63.7
University road	73.9	61.3	77.9	73.9	60.1	82.2	59.4	48.9	65.2	59.3	44.1	71.2	81.0	61.3	86.4	84.7	64.2	93.7	59.8	48.6	63.4	65.7	40.1	79.4	78.0	60.7	81.5	77.6	62.2	88.3	60.4	48.5	64.3	60.6	43.7	73.8
Nashik																																				
CBS	64.8	56.1	70.3	67.0	59.0	72.0	59.4	53.4	63.4	61.1	51.0	68.0	71.0	60.4	76.8	79.6	60.0	91.0	69.9	58.7	76.3	78.2	55.0	88.0	70.6	59.3	74.5	71.1	58.0	76.0	65.7	58.7	70.2	67.3	60.0	75.0
Panchavati	65.2	55.2	70.2	68.0	56.0	73.0	59.2	53.4	64.2	58.9	50.0	66.0	72.7	60.5	77.9	78.5	57.0	91.0	69.8	59.4	75.6	76.7	59.0	86.0	70.6	60.1	75.8	69.4	56.0	77.0	64.4	58.1	69.7	66.1	54.0	73.0
Dahipool	65.7	55.1	70.6	66.6	55.0	72.0	57.9	52.4	61.2	60.9	51.0	68.0	73.6	60.4	77.6	80.1	58.0	90.0	70.8	60.7	77.2	67.5	57.0	77.0	71.1	60.7	74.9	68.6	58.0	76.0	63.9	58.2	68.5	60.6	54.0	67.0

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22		
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>
CIDCO Residential	66.3	58.2	70.3	65.6	52.0	71.0	57.7	52.1	60.6	52.9	48.0	58.0	71.6	59.7	76.4	78.3	55.0	89.0	69.6	57.4	75.9	77.0	60.0	88.0	69.3	58.4	73.9	68.8	58.0	76.0	65.1	57.0	70.1	65.5	56.0	72.0
Bytco Point	65.6	57.3	70.9	67.6	51.0	75.0	58.1	51.3	61.5	56.7	50.0	62.0	71.0	59.4	76.4	77.7	55.0	89.0	67.7	56.1	74.6	70.2	52.0	79.0	67.8	58.1	73.4	70.3	60.0	76.0	65.6	55.4	72.5	66.4	54.0	74.0
Aurangabad																																				
Gulmandi	59.7	50.0	65.0	68.5	55.9	73.8	50.1	44.0	54.0	56.1	46.4	62.1	59.7	50.0	65.0	74.1	49.2	84.2	50.1	44.0	54.0	62.0	38.0	71.0	66.4	49.0	72.0	67.7	53.0	73.0	56.0	46.0	62.0	59.3	40.0	68.0
City Chowk	61.9	49.0	69.0	68.2	53.8	73.5	60.7	41.0	67.0	48.9	46.2	50.3	61.9	49.0	69.0	73.6	62.4	81.3	60.7	41.0	67.0	61.3	36.0	71.0	64.6	47.0	70.0	68.5	48.0	74.0	57.9	45.0	63.0	51.5	40.0	64.0
Kranti Chowk	66.5	52.0	70.0	76.0	73.4	78.4	65.3	50.0	70.0	50.1	48.0	52.0	66.5	52.0	70.0	77.7	64.1	83.6	65.3	50.0	70.0	59.9	41.0	69.0	65.2	49.0	70.0	71.0	58.0	74.0	54.7	47.0	60.0	57.6	41.0	68.0
CIDCO Residential	56.3	43.0	59.0	64.8	58.4	68.8	48.8	40.0	55.0	50.0	48.3	52.0	56.3	43.0	59.0	65.3	47.0	80.1	48.8	40.0	55.0	43.8	35.0	51.0	61.9	45.0	69.0	64.4	48.0	72.0	45.5	40.0	48.0	47.4	34.0	57.0
Usmanpura	56.2	46.0	61.0	60.0	53.9	69.2	48.3	39.0	53.0	49.3	48.2	50.1	56.2	46.0	61.0	57.0	49.7	64.6	48.3	39.0	53.0	50.0	41.0	60.0	64.3	43.0	71.0	65.4	47.0	72.0	51.5	42.0	57.0	52.3	39.0	62.0
Nagpur																																				
Ajani Chowk	73.0	56.6	75.6	73.8	43.3	83.4	58.7	40.4	67.1	63.6	41.4	72.4	74.2	63.8	79.6	71.1	58.4	85.8	69.2	49.2	76.7	63.8	46.9	72.6	72.2	57.4	78.9	69.6	55.9	75.1	57.9	43.6	66.1	64.8	38.1	79.8
Civil Lines	55.8	41.2	60.8	67.1	45.2	74.1	49.2	35.1	57.4	52.6	32.1	62.4	57.6	42.7	61.9	71.9	42.1	84.6	56.6	39.1	64.9	67.2	33.1	84.4	57.5	47.6	62.9	65.8	41.3	74.8	46.2	41.9	50.1	45.2	32.0	55.4
Dharampeth	62.7	43.7	66.4	70.2	52.1	83.9	51.9	42.5	59.0	54.0	40.3	64.5	63.6	52.1	68.7	71.6	48.9	87.3	53.1	41.9	60.8	60.3	40.3	76.4	62.6	49.7	68.5	60.6	42.4	72.1	50.7	43.9	57.2	52.7	37.5	64.5

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22		
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>			
Itwari	62.4	52.6	65.0	69.2	48.7	80.6	51.4	41.5	56.2	55.8	42.2	64.8	62.3	53.9	67.9	71.1	50.1	88.4	58.5	47.1	64.6	61.1	44.7	71.2	63.2	52.8	67.2	72.0	44.1	89.1	53.4	45.1	57.2	58.7	36.6	73.4
Civil Hospital (GMC)	68.1	40.9	74.0	72.8	55.7	92.8	56.6	39.4	63.2	61.9	31.8	72.6	81.1	40.4	88.2	64.8	50.9	77.4	75.5	48.8	83.9	64.1	44.3	77.1	69.9	52.6	76.7	63.8	41.9	75.9	55.8	39.1	62.7	53.2	35.6	64.1
Deshpande Layout	62.7	43.7	66.4	72.8	54.3	86.3	51.9	42.5	59.0	61.7	51.2	71.9	78.1	59.7	86.7	81.0	54.8	91.6	77.6	53.2	84.9	79.5	49.3	88.9	70.4	53.4	74.5	71.7	50.3	82.4	63.0	51.5	67.9	63.3	40.1	71.4
Shankar Nagar	65.1	45.8	71.8	69.3	55.7	81.6	41.0	35.2	47.1	59.5	40.1	70.4	71.1	58.5	77.9	78.9	47.0	95.2	67.2	48.8	75.6	75.2	40.2	89.1	62.5	42.2	69.4	68.3	45.3	79.5	58.5	39.4	66.8	60.8	35.6	69.7
Mahal	67.9	51.4	74.9	74.7	55.4	87.4	58.0	44.6	66.4	64.5	45.3	75.2	71.8	54.4	77.9	75.8	61.2	86.2	66.9	51.0	75.2	62.2	41.9	73.8	67.2	55.3	72.5	74.6	55.5	89.7	52.4	39.4	57.1	65.3	35.2	78.3
Sadar	69.4	59.8	74.9	71.1	54.6	85.5	56.7	46.8	62.8	56.7	43.7	66.5	71.6	60.2	74.3	72.5	54.3	81.9	65.0	48.6	72.9	68.1	40.1	79.8	66.6	55.7	70.9	65.8	44.9	75.8	55.6	48.9	61.3	61.3	39.8	76.5
Kalamna	66.4	58.7	69.3	84.7	59.8	96.8	62.2	57.5	66.3	65.2	54.4	73.7	73.8	59.6	82.7	81.7	62.3	94.6	73.3	59.5	81.0	75.6	52.4	85.4	65.5	58.7	67.1	74.6	60.1	86.8	64.8	53.3	71.8	66.4	35.9	80.1
Kalyan																																				
Katemanivali - Near Tesai Talav	75.9	59.7	80.2	67.8	54.1	74.4	65.5	51.0	71.0	62.3	54.7	69.7	75.2	61.3	78.6	86.5	59.4	97.2	66.2	54.2	70.8	83.0	53.1	92.9	72.8	63.4	76.4	86.3	55.6	99.4	61.5	49.6	67.2	83.2	52.1	96.7
Birla College - Near the gate	72.4	61.7	80.0	64.3	41.0	79.0	66.5	50.0	72.0	56.9	47.5	65.0	72.4	59.1	77.7	73.9	43.1	92.7	61.1	49.3	66.4	57.5	45.4	65.3	73.2	58.3	76.9	74.7	51.2	89.9	65.0	53.2	68.9	58.7	42.5	69.4
Bail Bazar - Police Chowki	75.0	60.3	79.9	72.0	40.1	83.7	69.7	53.0	74.0	67.1	36.0	80.3	75.2	63.2	79.3	82.7	42.3	99.7	59.4	48.6	65.2	83.8	40.0	95.9	73.8	61.0	78.5	79.4	44.8	99.9	61.6	50.2	66.0	59.4	37.3	73.2
Amaravati																																				



	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22		
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>
Budhwara Peth	60.0	51.5	63.8	66.3	48.5	75.4	51.6	38.4	56.9	65.9	42.7	75.4	64.2	52.2	68.9	73.0	48.3	81.7	57.1	43.3	63.0	69.5	46.2	78.5	62.2	50.5	66.0	69.9	47.3	82.3	54.1	40.7	61.2	65.1	41.3	75.8
Ervin Hospital	58.9	54.1	61.5	65.6	50.8	73.5	51.0	45.1	56.0	60.6	45.2	69.4	61.2	54.7	65.1	66.6	46.6	75.9	54.8	48.4	59.8	66.1	41.2	75.3	59.8	50.7	63.1	65.5	46.6	73.8	54.7	46.5	59.3	58.6	33.2	68.6
Rajkamal Chowk	71.6	58.3	75.8	75.6	58.7	86.3	53.1	38.4	59.9	72.7	56.2	80.9	74.7	63.0	79.4	77.2	59.7	86.7	71.7	58.3	77.2	76.5	54.8	87.1	72.8	54.2	76.2	74.2	57.7	83.4	69.0	56.1	74.6	64.4	41.4	79.5
Jalgaon																																				
Near Civil Hospital	66.2	49.4	72.3	75.2	54.5	82.8	60.6	55.3	63.8	73.0	36.3	83.5	71.8	63.2	78.2	69.3	55.7	77.3	60.4	52.4	65.7	68.3	46.4	78.0	71.4	63.3	78.4	70.9	56.5	79.2	59.1	50.6	65.5	55.5	41.8	73.8
Shivaji Chowk (Near Court)	76.5	67.5	81.2	76.2	40.0	88.5	69.2	61.4	74.2	55.0	40.2	62.8	71.3	66.5	75.3	81.5	71.0	88.8	63.1	53.7	64.7	47.6	36.0	65.2	74.4	60.4	80.2	70.6	54.5	78.0	57.0	45.5	63.9	52.7	49.1	56.2
Shashtri Tower Chowk	77.7	68.9	82.6	79.0	66.5	86.8	73.8	70.2	77.1	73.4	40.7	87.2	70.7	63.8	75.3	79.4	66.6	85.8	66.0	57.6	71.8	61.1	50.9	80.0	66.0	48.1	72.7	79.2	60.4	89.6	53.3	47.2	58.1	62.4	51.6	88.2
Kolhapur																																				
Tara Rani	73.4	52.3	77.8	91.9	75.1	99.6	63.0	41.7	71.8	84.7	68.4	98.6	75.7	61.3	80.3	93.8	44.3	108.2	60.0	45.2	65.7	80.8	43.6	93.6	75.7	54.5	80.3	92.6	58.1	105.6	57.3	40.2	64.2	60.1	49.2	68.4
Rajaram Puri	74.3	53.5	79.1	73.9	43.2	80.8	50.9	43.2	57.6	57.7	43.1	64.8	78.1	49.7	83.4	88.8	47.6	100.2	57.5	44.3	62.3	79.4	40.9	90.5	78.0	45.8	83.5	80.1	49.6	96.8	60.4	40.0	68.6	60.2	49.6	70.1
Papachi Tikti	74.0	53.0	78.4	62.7	50.1	70.2	53.7	43.2	60.0	59.0	41.9	69.2	80.5	56.5	87.5	94.1	41.5	110.6	57.7	45.2	63.4	72.0	40.2	84.2	74.9	50.5	78.4	82.7	55.3	95.4	58.7	47.4	63.5	61.3	47.2	72.3
Shivaji Chowk	73.8	55.6	79.4	77.3	55.5	84.2	63.4	42.3	70.9	63.5	48.7	72.2	80.0	52.6	90.3	93.9	51.4	110.5	59.7	48.9	65.3	55.9	40.2	65.4	74.4	57.1	80.4	86.6	55.4	95.8	55.3	46.5	59.5	60.0	40.1	70.4



	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22			
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>				
Shahupuri	74.4	52.9	80.2	70.8	38.2	82.6	56.5	41.9	64.2	55.4	43.1	66.4	80.1	56.2	85.4	96.4	43.9	110.7	71.2	44.2	80.0	79.0	41.6	90.2	71.3	47.7	77.9	75.9	50.8	87.5	59.5	44.4	66.1	57.8	40.6	70.9	
Sangli																																					
Herbhat Road	69.2	59.4	72.9	84.1	40.3	98.3	54.5	42.1	61.1	55.0	42.1	66.4	77.3	68.4	82.6	90.4	52.1	98.9	57.8	43.8	64.5	70.1	42.3	79.4	72.0	63.0	75.6	89.2	55.1	98.5	54.2	45.0	60.8	61.3	46.9	69.9	
Ganpati Peth	60.5	47.5	66.0	84.0	43.1	97.3	47.1	42.9	51.4	65.3	40.1	77.8	74.4	59.9	79.9	88.5	55.1	97.4	60.9	43.1	69.1	53.4	40.2	63.4	65.2	51.5	70.5	90.9	55.1	98.9	52.2	44.0	58.2	70.3	45.4	80.4	
Miraj Market	70.8	64.0	73.5	84.7	43.1	97.3	54.9	44.4	60.5	56.4	42.2	68.1	80.3	65.1	84.7	92.4	55.1	99.2	58.8	44.3	65.8	55.6	40.2	67.9	75.1	61.9	80.5	85.7	53.2	98.1	55.9	44.4	61.4	60.0	45.9	69.7	
Mira-Bhayander																																					
Bhakti Vedant Hospital, Tenkar pada	57.2	51.0	62.6	74.1	50.6	85.5	53.7	46.8	59.7	67.1	36.0	80.3	68.0	55.9	75.3	68.2	50.6	80.0	51.6	41.2	56.5	64.6	50.2	77.2	61.9	53.0	67.0	85.1	42.1	99.1	58.2	44.4	64.6	66.8	30.4	76.8	
Golden police Chowki	74.9	62.1	82.3	76.5	47.9	88.9	66.3	48.2	75.1	67.1	36.0	80.3	72.0	63.2	75.9	77.7	41.2	89.0	63.7	44.3	69.4	67.1	55.0	77.8	63.3	58.0	68.0	83.4	55.8	94.4	62.5	45.7	69.5	59.8	50.0	68.2	
Shivaji Chowk Kashi meera	64.1	57.3	72.6	79.0	45.9	96.3	67.6	49.3	76.3	62.3	54.7	69.7	74.0	69.3	78.2	86.1	45.1	99.0	63.5	44.6	71.3	69.5	54.7	81.6	63.3	54.0	68.0	68.3	52.2	88.5	64.5	47.7	70.4	65.6	53.7	73.9	
Vasai-Virar																																					
Range office, Satwali, Vasai East	75.1	53.1	78.2	71.1	52.4	79.3	63.4	51.3	69.4	60.4	50.0	70.3	71.0	63.0	75.0	67.3	53.1	76.7	56.3	45.2	61.2	75.3	50.0	89.2	65.1	51.0	71.0	64.2	52.2	76.0	59.2	46.2	65.2	58.8	50.0	66.4	
Valiv phata, Vasai East	68.4	54.0	73.0	72.3	50.1	87.7	69.9	60.8	76.1	58.5	50.4	67.6	70.0	63.7	75.1	66.9	51.2	80.1	59.1	47.7	66.0	73.0	50.7	87.2	64.9	54.0	69.0	64.1	50.3	72.2	65.1	48.7	70.8	57.8	50.0	66.0	

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22			
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>				
N.B. Estate, Virar West	76.3	63.9	80.9	66.5	54.3	75.9	74.3	60.1	82.3	60.2	50.4	67.5	74.0	62.8	80.3	82.4	60.2	94.5	62.5	46.4	70.0	77.4	67.3	87.3	62.1	53.0	67.0	82.8	65.9	89.7	62.4	48.3	68.9	65.5	56.3	69.9	
Ulhasnagar																																					
Shivaji Chowk No. 3 - Near the Chowk	70.2	62.4	74.1	72.0	55.8	84.2	64.1	42.1	69.8	55.1	41.1	64.4	71.5	51.2	77.9	73.7	51.3	86.7	56.5	46.1	62.7	57.1	40.4	70.1	70.8	65.1	73.1	73.0	41.3	86.4	62.9	56.3	68.3	59.3	41.1	72.8	
Camp No. 5 Bus Stop - Bus Stop	68.9	56.3	75.1	68.6	49.8	77.1	63.9	42.3	71.9	64.8	48.0	73.5	74.0	67.1	78.2	70.9	47.3	83.3	65.8	50.7	70.6	72.2	47.8	84.2	70.5	62.1	73.1	70.6	41.7	88.2	63.2	50.5	68.6	66.5	42.3	76.5	
Camp No. 1 Gol Maidan - Gol Maidan	69.2	57.5	75.5	73.6	50.6	84.2	59.5	44.3	65.3	59.8	40.5	69.3	69.8	55.1	76.3	79.5	46.2	96.1	66.5	56.3	70.6	63.6	44.0	72.1	69.6	60.1	72.6	72.4	44.3	93.1	62.5	59.4	65.2	67.4	39.3	76.5	
Bhiwandi-Nizampur																																					
Dhamankar Naka	69.1	59.8	73.9	76.8	59.4	89.2	71.4	52.3	78.2	74.7	46.8	86.3	73.2	52.0	78.2	74.3	55.2	86.7	59.1	51.8	65.0	66.3	53.7	76.7	69.8	57.2	74.6	76.4	50.4	89.2	64.4	44.6	72.3	67.0	50.5	78.1	
Indira Gandhi Memorial Hospital	64.9	56.7	69.3	75.6	49.1	88.9	58.4	50.3	62.3	62.3	45.5	70.4	73.2	56.3	79.8	75.8	54.4	88.5	65.6	59.1	70.4	65.7	48.0	79.4	68.3	58.1	72.1	75.6	50.6	87.4	63.8	43.2	71.5	62.7	48.0	70.4	
Shelar Near Nadi naka	76.0	66.9	81.9	77.0	53.4	89.5	72.5	51.2	79.5	72.6	48.4	87.4	67.0	54.1	74.4	77.5	54.2	88.9	65.7	57.4	71.4	70.1	52.4	79.8	76.3	69.1	78.9	77.9	54.2	88.7	66.7	42.3	74.5	68.7	50.4	79.8	
Chandrapur																																					
Gandhi Chowk	68.7	61.6	70.8	71.1	60.5	78.7	63.0	49.1	67.3	61.8	44.2	72.3	72.5	59.8	75.5	71.7	54.4	85.3	62.0	45.1	68.2	72.1	41.9	83.9	63.7	51.1	71.5	70.9	54.7	82.6	55.4	51.0	57.8	63.3	50.2	74.5	
Jatpura Gate	68.4	60.3	70.3	77.5	56.8	97.9	58.4	48.0	65.6	61.7	50.3	69.1	61.6	56.0	66.1	76.2	55.4	84.5	54.3	50.0	58.7	72.6	53.1	86.7	70.4	62.9	74.3	67.0	51.7	75.1	60.4	46.6	66.2	63.3	47.6	69.9	

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22			
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	
Warora Naka	56.3	47.5	60.6	71.1	56.7	82.5	50.9	43.1	54.2	60.9	44.9	69.1	67.6	59.1	71.4	71.1	54.9	84.7	62.4	53.2	69.7	71.4	54.2	82.7	68.4	53.8	72.4	72.5	50.4	84.4	59.4	49.8	65.2	67.9	51.2	83.2	
Nanded-Waghala																																					
Ganesh Nagar, Municipal Corpation, Nanded	62.4	46.0	68.0	57.4	55.1	61.8	54.6	41.0	60.0	50.5	49.1	52.2	62.4	46.0	68.0	58.2	50.6	65.0	54.6	41.0	60.0	57.3	41.0	65.0	64.9	46.0	70.0	69.2	51.0	74.0	54.1	44.0	60.0	50.6	37.0	59.0	
Shivaji Nagar	59.1	45.0	64.0	57.1	54.6	59.3	51.1	39.0	57.0	49.8	48.1	50.8	59.1	45.0	64.0	57.4	50.1	65.8	51.1	39.0	57.0	56.7	40.0	68.0	64.4	48.0	71.0	68.8	51.0	74.0	50.2	40.0	56.0	58.9	37.0	69.0	
Shree Guru Govindsing Govt. Medical College & Hospital, Shivaji Putala, Nanded	65.5	49.0	71.0	58.0	56.5	59.3	56.4	43.0	62.0	49.7	48.9	50.8	65.5	49.0	71.0	57.7	50.1	65.8	56.4	43.0	62.0	58.9	41.0	68.0	64.9	50.0	69.0	69.7	51.0	79.0	53.7	42.0	60.0	59.9	41.0	69.0	
Ahmednagar																																					
Kotala Chowk	65.7	58.2	70.5	66.8	53.0	73.0	61.1	55.4	66.3	57.8	50.0	65.0	68.6	57.6	73.8	77.7	53.0	77.0	65.5	57.1	71.6	69.7	54.0	79.0	67.6	58.2	72.1	77.7	52.0	74.0	66.0	57.4	71.2	63.0	54.0	68.0	
Chitale Road	65.6	59.3	70.4	67.3	54.0	72.0	60.9	55.0	65.2	59.1	51.0	66.0	66.9	59.4	71.6	68.3	54.0	76.0	64.6	55.4	70.2	77.8	56.0	87.0	67.0	59.1	71.9	63.7	58.0	69.0	64.7	57.0	69.4	60.3	54.0	66.0	
Old Bus Stand	65.5	57.3	70.3	69.6	54.0	75.5	62.8	54.2	68.2	60.6	51.0	66.0	66.6	58.2	70.9	67.3	54.0	75.0	64.1	55.9	69.5	71.8	56.0	79.0	66.2	59.8	71.2	67.6	55.0	74.0	65.3	57.1	70.1	63.2	54.0	69.0	
Dhule																																					
Agrasen Chowk	66.1	58.2	70.3	67.5	52.0	72.0	59.0	53.4	65.2	59.5	51.0	67.0	69.9	59.7	74.3	70.3	60.0	76.0	65.5	56.2	72.6	69.5	54.0	78.0	67.3	56.2	72.1	69.5	61.0	75.0	62.6	56.0	68.9	65.6	58.0	72.0	

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22			
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>				
Fulwala Chowk	65.5	57.3	70.9	68.6	55.0	75.0	59.4	54.6	65.2	60.0	52.0	68.0	69.7	60.9	75.9	69.3	56.0	77.0	65.9	55.4	73.4	67.9	54.0	76.0	68.1	57.8	72.9	66.3	56.0	74.0	61.5	55.2	66.2	64.9	58.0	71.0	
Santoshi Mata Chowk	63.8	57.1	70.6	68.6	54.0	73.0	59.3	53.6	65.2	60.2	51.0	68.0	68.6	59.4	74.1	69.5	51.0	77.0	66.7	55.8	73.9	73.7	54.0	83.0	68.0	58.1	73.1	67.9	54.0	73.0	64.0	56.0	69.8	63.5	57.0	69.0	
Malegaon																																					
Mosampul	64.5	56.1	70.3	68.7	57.0	74.0	60.4	54.6	65.8	59.9	52.0	68.0	67.9	60.4	72.5	68.6	54.0	75.0	63.7	54.2	70.6	68.5	54.0	76.0	67.9	58.3	72.4	66.3	56.0	74.0	65.5	59.8	69.9	63.4	56.0	69.0	
Satana Naka	64.7	55.2	70.2	68.3	54.0	75.0	60.5	54.8	66.6	59.5	52.0	65.0	67.6	60.5	71.6	70.9	54.0	76.0	64.8	55.2	71.4	70.8	60.0	80.0	69.0	59.4	72.5	68.3	57.0	74.0	66.1	59.6	71.4	65.0	57.0	69.0	
Malegaon Camp	65.2	55.1	70.6	67.6	55.0	74.0	60.9	54.1	67.6	59.2	54.0	65.0	67.1	60.5	72.6	70.2	58.0	76.0	63.0	54.2	69.4	69.3	54.0	79.0	69.2	60.1	73.2	68.5	57.0	73.0	65.3	58.7	68.9	65.2	58.0	71.0	
Pimpri-Chinchwad																																					
Pimpri (Dilux Chowk)	71.0	59.3	76.3	77.9	53.9	87.3	57.9	42.1	64.5	58.6	41.7	69.9	78.1	64.8	84.6	84.9	64.5	94.5	68.5	45.6	75.3	69.8	41.5	83.4	76.0	49.8	82.7	79.4	56.4	88.4	67.3	44.1	75.9	55.4	41.7	64.3	
Chinchwad (Chafekar Chowk)	70.3	59.3	76.8	74.7	64.6	77.9	58.6	44.6	65.9	67.5	41.4	78.2	84.4	65.5	90.7	85.6	73.9	101.5	66.8	46.5	74.2	70.1	41.0	81.6	80.5	63.7	88.3	78.1	64.4	86.5	57.1	45.7	62.4	63.2	42.6	74.6	
Thergaon (Dange Chowk)	71.9	62.6	77.2	77.7	60.2	85.4	62.7	43.2	70.6	58.5	42.2	66.1	81.5	65.3	88.1	83.6	65.9	94.2	69.3	45.2	77.3	68.6	42.7	79.6	76.3	59.7	81.3	81.2	62.5	90.7	61.8	43.6	67.4	65.8	42.9	78.8	
Parbhani																																					
Shivaji Maharaj Putala, (near S.P. Office)	64.9	53.0	71.0	58.9	56.7	60.6	53.8	40.0	60.0	50.1	49.5	51.0	64.9	53.0	71.0	55.9	48.0	65.0	53.8	40.0	60.0	59.6	41.0	67.0	65.6	46.0	71.0	70.3	49.0	76.0	56.8	44.0	63.0	55.9	38.0	67.0	

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time					
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22		
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>			
Shivaji Chawk, Parbhani	64.4	51.0	70.0	58.4	51.4	60.5	58.0	44.0	63.0	49.8	47.8	51.3	64.4	51.0	70.0	56.2	48.0	63.0	58.0	44.0	63.0	62.6	41.0	70.0	64.7	48.0	69.0	70.3	51.0	79.0	54.1	42.0	60.0	54.6	41.0	64.0
Raigad Corner, Jintur road, Parbhani.	58.2	44.0	63.0	55.6	53.0	57.1	45.0	39.0	50.0	50.1	48.5	51.1	58.2	44.0	63.0	54.0	45.0	60.0	45.0	39.0	50.0	55.2	37.0	65.0	62.6	44.0	70.0	58.0	47.0	64.0	51.5	41.0	57.0	46.5	37.0	54.0
Latur																																				
Ganjgolai	66.6	53.0	74.0	60.8	57.2	64.1	56.7	43.0	62.0	50.3	49.1	51.6	66.6	53.0	74.0	56.0	45.0	62.0	56.7	43.0	62.0	63.7	41.0	71.0	66.4	53.0	72.0	69.6	51.0	74.0	54.3	46.0	60.0	58.6	40.0	68.0
Kesharaj High school, Sham nagar, Amba Jogai Road, Latur	63.4	44.0	69.0	55.3	51.3	56.9	48.9	41.0	55.0	50.4	49.9	51.1	63.4	44.0	69.0	56.0	42.0	71.0	48.9	41.0	55.0	60.2	37.0	69.0	63.9	48.0	70.0	63.9	47.0	71.0	53.6	45.0	57.0	49.8	37.0	61.0
Aadarsh Colony, Ausa Road	62.3	45.0	67.0	51.9	49.2	54.8	47.5	40.0	53.0	50.4	48.9	51.4	62.3	45.0	67.0	53.9	45.0	61.0	47.5	40.0	53.0	60.3	41.0	69.0	62.6	43.0	69.0	59.5	41.0	68.0	49.4	40.0	55.0	49.8	37.0	61.0
Akola																																				
Collector Office	71.4	58.2	74.0	73.8	54.1	85.9	59.1	48.8	64.8	61.9	38.1	75.8	73.0	60.3	78.3	70.4	62.0	78.0	58.6	46.4	66.0	59.6	50.2	74.0	69.2	58.0	71.6	71.4	59.5	75.7	59.1	48.4	64.5	56.4	50.2	65.5
Civil line Chowk / Ratanlal plot	72.6	60.1	75.0	75.6	54.3	86.4	60.7	49.8	66.7	67.6	39.1	80.5	75.2	61.8	78.2	72.7	64.9	78.5	64.1	48.6	70.8	60.5	50.5	75.2	70.1	58.7	72.5	76.8	62.4	87.7	60.0	50.0	65.4	66.9	57.0	79.0
City Kotawali Chowk near police station	74.6	62.0	77.1	78.9	55.1	90.8	62.7	51.2	68.7	70.4	40.0	81.6	80.0	64.7	86.9	73.7	66.2	79.0	65.4	49.2	72.3	63.1	52.7	76.4	72.5	60.1	74.2	73.5	64.3	78.9	61.9	50.7	67.8	60.6	50.9	76.3
Solapur																																				
Balives	64.5	59.4	69.2	70.8	42.3	85.3	56.6	43.1	61.8	68.0	41.3	79.3	73.3	60.0	79.6	82.4	45.4	99.1	64.5	45.6	71.3	62.1	43.2	77.4	75.5	60.1	81.3	78.1	52.8	93.5	59.1	48.7	62.7	68.7	50.2	78.5

	Day Time						Night Time						Day Time						Night Time						Day Time						Night Time						
	29-Oct-21			18-Oct-22			29-Oct-21			18-Oct-22			4-Nov-21			24-Oct-22			4-Nov-21			24-Oct-22			6-Nov-21			26-Oct-22			6-Nov-21			26-Oct-22			
Location Name (Details)	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>	L <sub>eq</sub>	L <sub>min</sub>	L <sub>max</sub>				
Ashok chowk	64.9	57.4	71.0	66.9	36.7	85.3	56.3	44.5	62.2	70.6	38.7	85.3	69.8	58.8	74.8	71.0	40.3	80.4	60.9	48.2	66.8	53.6	40.2	65.3	69.0	61.9	74.9	85.3	56.2	96.4	58.9	46.6	64.3	67.9	50.9	76.8	
Hotgi & Bijapur Road	63.7	60.0	68.2	68.7	36.7	85.3	58.3	44.5	63.7	68.7	46.4	79.3	72.2	60.1	78.9	70.9	48.3	88.7	60.9	48.6	63.8	54.9	38.2	70.3	73.0	64.1	78.6	87.7	70.9	97.5	56.2	44.3	60.1	73.8	53.4	85.9	
Badlapur																																					
Gandhi Chowk, Badlapur	65.8	50.8	71.5	74.8	47.3	88.0	62.9	52.0	69.0	55.6	44.3	68.1	72.6	59.7	76.9	74.3	55.2	86.7	55.5	43.4	60.7	65.2	41.4	75.3	70.7	65.8	73.9	75.2	43.0	88.5	57.9	41.9	65.3	80.7	30.0	95.8	
Katrap Gaon Opposite Ghorpade Chowk, Badlapur	66.6	50.3	73.2	77.6	44.4	96.3	59.4	50.1	63.9	70.3	46.7	81.2	74.6	59.9	78.7	74.1	51.3	87.5	53.8	40.7	58.3	72.1	50.6	87.2	69.3	62.4	73.1	66.5	45.1	78.9	52.3	41.9	58.5	63.0	25.9	77.8	
Surwal Chowk, Shirgaon, Badlapur	68.2	57.0	73.6	75.0	50.1	88.0	64.7	50.6	70.4	62.1	55.7	70.0	69.3	60.3	76.7	75.8	42.1	89.0	60.1	51.8	64.0	62.9	41.3	70.1	69.7	63.1	73.2	68.9	41.2	83.8	54.5	43.9	60.3	65.4	45.0	76.9	
Jalna																																					
Shivaji Chowk	64.9	49.0	71.0	51.9	50.7	53.4	54.5	47.0	60.0	49.0	46.7	50.4	64.9	49.0	71.0	54.4	45.0	63.0	54.5	47.0	60.0	56.6	40.0	68.0	66.1	53.0	71.0	59.6	41.0	68.0	56.6	43.0	62.0	51.6	38.0	62.0	
Bhagya Nagar	53.7	40.0	60.0	52.0	49.4	54.1	46.5	39.0	51.0	49.1	48.5	50.0	53.7	40.0	60.0	54.2	47.0	63.0	46.5	39.0	51.0	54.2	40.0	64.0	54.4	44.0	61.0	60.6	41.0	69.0	46.5	39.0	50.0	47.7	37.0	58.0	
Mantha Choufulee	63.3	47.0	70.0	52.2	50.7	53.7	54.5	45.0	59.0	49.4	48.3	51.0	63.3	47.0	70.0	54.9	45.0	64.0	54.5	45.0	59.0	63.2	41.0	71.0	63.6	55.0	69.0	62.3	41.0	71.0	53.7	45.0	59.0	52.7	37.0	62.0	