

REPORT ON
AMBIENT NOISE MONITORING
OF
METROPOLITAN CITIES IN MAHARASHTRA–
2016



MAHARASHTRA POLLUTION CONTROL BOARD

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FOREWORD

To reduce the Noise pollution in Metropolitan cities in Maharashtra many initiated has been taken like introducing the service of metro rail to control in traffic congestion, still the noise level exceeds the limits both during day time and night time also. In order to access the impact of noise exposure on residents living in adjacent to major roads, Maharashtra Pollution Control Board has conducted noise monitoring study at 92 locations covering 26 Municipal Corporation all over Maharashtra for 24 hours for 2 days constituting a working and a non-working day.

The study reveals that there is decrease in the noise levels at many locations this year as compared to last year. 67 locations were newly added to the noise monitoring this year, comparison of noise level in these locations were not able to be compared.

The field monitoring of this study was conducted by Ashwamedh Engineers and Consultants C.S.L, Nashik and was supported by all Regional offices of the Board in the field. The entire work including planning, coordination and report preparation was done at APC Division of the MPCB. The contribution of Shri V. M. Motghare and Shri S. C. Kollur are appreciated.

(Dr. P. Anbalagan, IAS)
Member Secretary

9/10
9/10/15

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Abbreviations

CPCB Central Pollution Control Board

dB Decibel

dB(A) Decibels with "A" weighting

EPA Environmental Protection Act, 1986

Hz Hertz

MPCB Maharashtra Pollution Control Board

KHz Kilo Hertz

L_{Aeq} Equivalent continuous A-weighted sound pressure level (dB)

L_{max} Maximum sound pressure level (dB)

L_{min} Minimum sound pressure level (dB)

SPL Sound Pressure Level

Introduction

Noise pollution is sound at a level which is annoying, distracting or physically harmful. This can mean different things to different people. In residential areas, what is an acceptable level of noise to one person may be unacceptable to another, as well as dependent on the time of the day and the nature of the activity generating the noise.

Most of us are very used to the sounds we hear in everyday life. Loud music, the television, people talking on their phone, the traffic and even pets barking in the middle of the night. All of these have become a part of the urban culture and rarely disturb us. However, when the sound of the television keeps you from sleeping all night or the traffic starts to give you a headache, it stops becoming just noise and start turning into noise pollution. For many of us, the concept of pollution is limited to nature and resources. However, noise that tends to disrupt the natural rhythm of life makes for one solid pollutant.

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 – 20 kHz) 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**.

A sound level meter theoretically has a flat response, in other words it responds exactly the same at different frequencies. 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 μPa . Thus the sound pressure level in dB = $20 \log_{10} P/Pr$.

In most cases, the sound and noise 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. The equivalent continuous noise level (L_{eq}) is the sound pressure level of a steady sound that has, over a given period, the same energy as a fluctuating sound in question. It was calculated using following equation:

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

Where, L_i = levels observed at an equally spaced times during interval T.

The sound level limits specified by CPCB, represent the general limitation on noise produced by noise sources. Some noises, however, are annoying no matter where or in what kind of environment they exist. High level impulsive noises represent a special category and, consequently, are restricted by an absolute limitation.

The noise standards for firecrackers were notified by the environment (Protection) (Second Amendment) Rules, 1999 vide G.S.R682 (E), dated the 5th Oct, 1999 and inserted as serial no. 89 of Schedule I of the Environment (Protection Rules), 1986. Subsequently these Rules were amended by the Environment (Protection) Second Amendment Rules, 2006 vide G.S.R. 640(E), dated the 16th October, 2006, under the Environment (Protection) Act, 1986.

According to these standards the manufacture, sale or use of fire-crackers generating noise level exceeding 125 dB (A) at 4 meters distance from the point of bursting shall be prohibited (For more details, refer **Annexure-IV**).

The Central Pollution Control Board (CPCB) constituted a National Committee of Experts on Noise Pollution Control. The Committee recommended noise standards for ambient air and for automobiles, domestic appliances and construction equipment, which were later notified under The Environment (Protection) Act, 1986 as given below:

**Table 2.1: Standards of Noise Levels under EPA (1986)
Noise Pollution (Regulation & Control) Rules, 2000**

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 is reckoned from 6 A.M. To 10 P.M.
2. Night time is reckoned in from 10 P.M. and 6 A.M.
3. Silence zone is referred as areas within 100 meters around premises such as hospitals, educational institutions and courts. The Silence zones are to be declared by the Competent Authority.
4. Use of vehicular horns, loudspeakers and bursting of crackers shall be banned in these zones.
5. Mixed categories of areas should be declared as one of the four above mentioned categories by the Competent Authority and the corresponding standards shall apply.
6. State GR / Notification: Implementation Authority for Noise Rules in Maharashtra is enclosed at **Annexure-III**.

Ambient Noise Monitored at Metropolitan cities - 2016

In order to assess the ambient noise levels in the environment during a working and a non-working day, Maharashtra Pollution Control Board (MPCB) has taken initiative to carry out Noise monitoring at 92 locations all over Maharashtra for 2 days period i.e. on 10th and 11th January, 2016 for 24Hrs. at various locations in different cities in Maharashtra. The main aim of the project is to determine the trends and variations of noise levels at various areas of the city in different land uses and to create awareness about noise pollution through availability of scientific noise level data.

Methodology of the survey

The noise measurements were done using calibrated Sound Level Meters (Type II) made at the fast response mode keeping in view the quickly changing nature of noise levels, using 'A' filter.

The main purpose of noise monitoring was to find out the impact of noise generated during a working and a non-working day at the same location both days and during the same period.

The present study covered 25 Municipal Corporation having 92 locations all over the Maharashtra (Table 4.1). These locations comprised of mixed categories of area including Residential, Commercial and Silence zone. For detailed list of locations refer **Annexure -I**

Table 4.1: Noise Monitoring Locations in Maharashtra

Sr.	City	Number of locations
1.	Mumbai	10
2.	Thane	05
3.	Pune	05
4.	Nashik	05
5.	Aurangabad	03
6.	Nagpur	05
7.	Kalyan	03
8.	Amravathi	03
9.	Jalgaon	03
10.	Kolhapur	05
11.	Sangli	03
12.	Mira-Bhayander	03
13.	Vasai-Virar	03
14.	Ulhasnagar	03
15.	Bhiwandi-Nizampur	03
16.	Chnadrapur	03
17.	Nanded-Waghala	03
18.	Ahmedhnagar	03
19.	Dhule	03
20.	Malegaon	03
21.	Pimpri-Chinchwad	03
22.	Prabhani	03
23.	Latur	03
24.	Akola	03
25.	Solapur	03
TOTAL		92

Results

1. Mumbai South

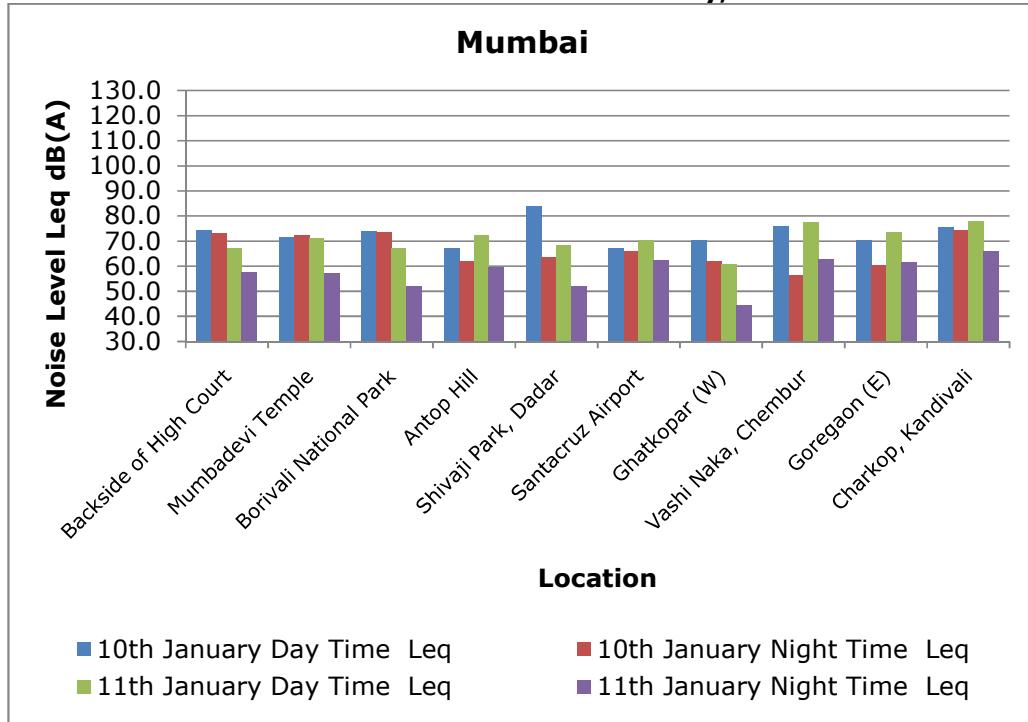
The noise level on both days monitored was observed at Shivaji Park, Dadar with 83.8 dB(A) on the first day of monitoring and Charkop, Kandivali was found with high noise level on the second day of noise monitoring.

Table 5.1: Ambient Noise Level in Mumbai

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Backside of High Court	10.01.2016	74.4	67.9	73.7	81.7	83.1	67.9
2.	Mumbadevi Temple	10.01.2016	71.8	67.4	72.4	76.8	79.0	57.2
3.	Borivali National Park	10.01.2016	74.1	69.5	74.7	78.0	78.9	66.6
4.	Antop Hill	10.01.2016	67.1	63.0	66.4	74.0	76.5	51.6
5.	Shivaji Park, Dadar	10.01.2016	83.8	76.6	83.3	92.4	94.8	75.6
6.	Santacruz Airport	10.01.2016	67.1	58.6	65.0	76.0	86.0	57.0
7.	Ghatkopar (W)	10.01.2016	70.4	58.2	70.9	79.3	82.4	55.0
8.	Vashi Naka, Chembur	10.01.2016	76.0	69.7	77.4	83.0	86.1	65.5
9.	Goregaon (E)	10.01.2016	70.6	61.2	66.6	84.3	86.6	58.1
10.	Charkop, Kandivali	10.01.2016	75.7	68.4	72.4	85.8	87.4	68.3
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Backside of High Court	10.01.2016	73.3	68.2	74.1	77.8	78.5	66.4
2.	Mumbadevi Temple	10.01.2016	72.5	64.4	73.8	79.2	79.4	60.3
3.	Borivali National Park	10.01.2016	73.5	69.4	75.0	76.4	77.4	68.9
4.	Antop Hill	10.01.2016	62.1	54.6	59.4	72.3	84.0	53.7
5.	Shivaji Park, Dadar	10.01.2016	63.5	37.3	63.0	90.2	94.8	35.8
6.	Santacruz Airport	10.01.2016	66.1	57.7	64.7	74.7	81.8	51.1
7.	Ghatkopar (W)	10.01.2016	62.0	55.6	57.9	73.6	78.1	51.8
8.	Vashi Naka, Chembur	10.01.2016	56.5	43.7	52.4	75.6	79.5	42.4
9.	Goregaon (E)	10.01.2016	60.7	52.1	55.5	78.8	81.6	51.9
10.	Charkop, Kandivali	10.01.2016	74.2	62.8	76.5	82.5	84.3	62.2
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Backside of High Court	11.01.2016	67.1	63.8	67.6	69.4	70.8	62.3
2.	Mumbadevi Temple	11.01.2016	71.1	64.2	72.1	76.7	80.4	55.6
3.	Borivali National Park	11.01.2016	67.1	57.0	65.6	78.6	87.7	55.3

4.	Antop Hill	11.01.2016	72.6	67.0	70.8	81.9	83.9	62.0
5.	Shivaji Park, Dadar	11.01.2016	68.5	65.6	68.2	74.1	76.7	51.4
6.	Santacruz Airport	11.01.2016	70.2	64.5	67.7	78.6	81.1	63.0
7.	Ghatkopar (W)	11.01.2016	61.0	54.0	61.4	69.5	71.1	47.7
8.	Vashi Naka, Chembur	11.01.2016	77.5	70.5	76.5	86.1	90.9	68.7
9.	Goregaon (E)	11.01.2016	73.6	68.8	72.9	79.1	89.0	66.7
10.	Charkop, Kandivali	11.01.2016	77.9	68.9	78.5	85.9	87.5	65.8
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Backside of High Court	11.01.2016	57.7	53.6	58.2	61.1	61.4	52.8
2.	Mumbadevi Temple	11.01.2016	57.2	53.2	54.5	63.6	67.1	50.9
3.	Borivali National Park	11.01.2016	52.0	40.1	50.9	65.1	77.7	38.8
4.	Antop Hill	11.01.2016	59.6	45.0	61.5	73.9	77.9	42.3
5.	Shivaji Park, Dadar	11.01.2016	52.0	40.6	52.2	62.8	65.6	39.5
6.	Santacruz Airport	11.01.2016	62.5	55.4	58.5	74.5	80.4	54.7
7.	Ghatkopar (W)	11.01.2016	44.7	36.4	44.9	52.6	60.9	34.6
8.	Vashi Naka, Chembur	11.01.2016	63.1	56.1	62.7	70.8	71.8	53.5
9.	Goregaon (E)	11.01.2016	61.6	50.1	55.1	81.6	92.0	49.7
10.	Charkop, Kandivali	11.01.2016	66.0	60.7	62.8	74.6	76.9	60.2

Chart 5.1: Noise levels on 10th & 11th January, 2016 in Mumbai



2. Thane

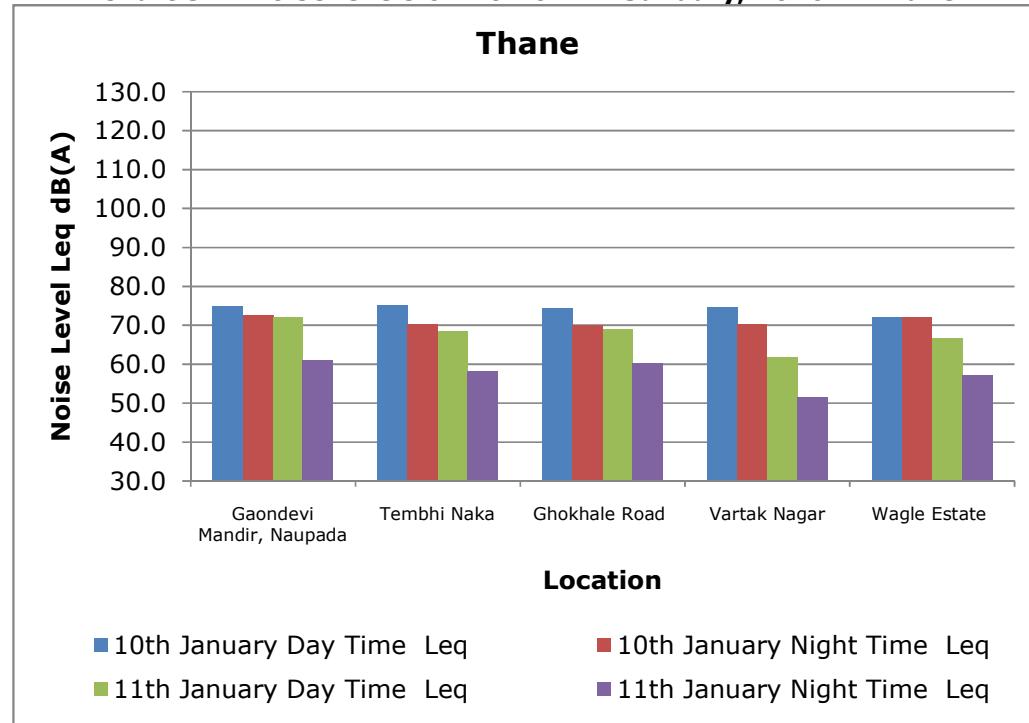
The highest noise level during day time on the first day monitored was observed at Tembi Naka with 75.2 dB(A) and Main road Gaodevi Mandir was found to have high noise levels during night time on first day and both during day time and night time of second day with 72.6 dB(A), 71.9 dB(A) and 60.9 dB(A) respectively.

Table 5.2: Ambient Noise Level in Thane

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Main Road-Gaondevi Mandir, Naupada	10.01.2016	74.9	70.8	74.2	80.1	81.5	68.2
2.	Tembhi Naka	10.01.2016	75.2	68.2	74.9	82.9	87.8	64.7
3.	Ghokhale Road	10.01.2016	74.3	66.2	74.2	82.2	83.1	62.5
4.	Pokharan - Vartak Nagar	10.01.2016	74.7	69.5	73.6	80.8	88.2	62.6
5.	Wagle Estate	10.01.2016	72.1	66.2	72.5	77.9	81.0	64.0
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Main Road-Gaondevi Mandir, Naupada	10.01.2016	72.6	68.9	72.4	76.4	81.1	67.7

2.	Tembhi Naka	10.01.2016	70.3	65.4	69.6	76.4	81.7	63.1
3.	Ghokhale Road	10.01.2016	69.9	59.9	71.7	79.0	79.9	59.5
4.	Pokharan - Vartak Nagar	10.01.2016	70.2	64.1	71.1	75.4	77.2	62.2
5.	Wagle Estate	10.01.2016	71.9	64.1	70.5	80.5	82.5	61.5
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Main Road- Gaondevi Mandir, Naupada	11.01.2016	71.9	64.2	71.9	78.4	82.1	63.3
2.	Tembhi Naka	11.01.2016	68.4	64.3	67.6	73.1	74.9	62.8
3.	Ghokhale Road	11.01.2016	69.0	67.1	69.3	70.9	71.8	64.5
4.	Pokharan - Vartak Nagar	11.01.2016	61.8	57.7	58.9	71.9	75.1	56.7
5.	Wagle Estate	11.01.2016	66.6	64.9	66.8	68.5	68.9	62.2
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Main Road- Gaondevi Mandir, Naupada	11.01.2016	60.9	52.9	60.0	69.8	72.5	50.7
2.	Tembhi Naka	11.01.2016	58.1	52.2	56.5	67.0	70.6	49.8
3.	Ghokhale Road	11.01.2016	60.2	53.8	60.1	67.0	69.2	50.2
4.	Pokharan - Vartak Nagar	11.01.2016	51.4	44.6	49.5	59.0	62.8	44.3
5.	Wagle Estate	11.01.2016	57.0	51.1	56.2	64.6	66.1	47.6

Chart 5.2: Noise levels on 10th & 11th January, 2016 in Thane



3. Pune

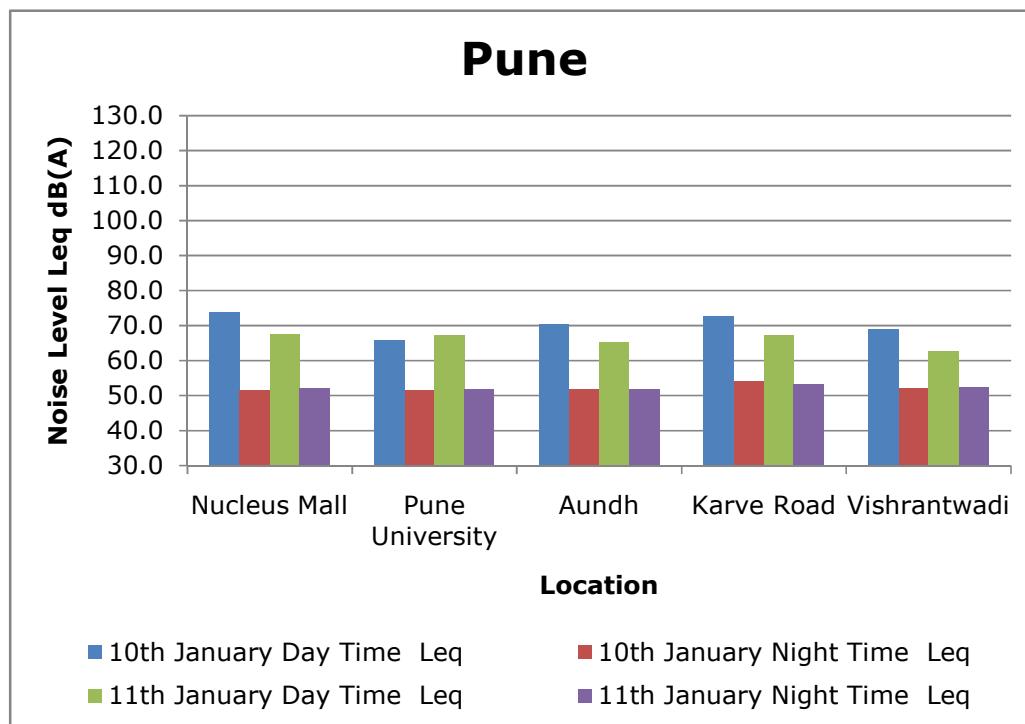
The highest noise level during day time both on first and second of monitoring was observed at Nucleus mall with 73.8 dB(A) and 67.3 dB(A) respectively. The highest noise level during night time both on first and second of monitoring was observed at Nucleus mall with 54.1 dB(A) and 53.3 dB(A) respectively

Table 5.3: Ambient Noise Level in Pune

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Nucleus Mall	10.01.2016	73.8	63.4	75.5	79.3	79.6	58.3
2.	Pune University	10.01.2016	65.9	62.9	66.0	69.3	70.3	59.6
3.	Aundh	10.01.2016	70.4	59.1	72.4	77.0	80.3	55.3
4.	Karve Road	10.01.2016	72.8	61.9	73.2	82.9	84.9	59.9
5.	Vishrantwadi	10.01.2016	69.0	59.9	71.4	73.0	76.0	57.9
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Nucleus Mall	10.01.2016	51.5	45.6	49.8	60.6	64.5	44.1
2.	Pune University	10.01.2016	51.6	46.0	50.4	59.4	63.6	44.6
3.	Aundh	10.01.2016	51.8	45.9	49.4	62.5	64.9	45.9
4.	Karve Road	10.01.2016	54.1	47.3	50.4	64.7	67.5	46.6

5.	Vishrantwadi	10.01.2016	52.3	44.8	50.0	63.4	68.3	44.3
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Nucleus Mall	11.01.2016	67.3	61.3	68.5	72.1	73.0	58.8
2.	Pune University	11.01.2016	67.2	63.6	67.6	70.9	71.5	58.9
3.	Aundh	11.01.2016	65.4	57.3	65.5	73.2	76.7	55.0
4.	Karve Road	11.01.2016	67.1	58.9	64.0	78.2	81.3	57.3
5.	Vishrantwadi	11.01.2016	62.7	60.0	62.5	64.7	66.2	59.3
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Nucleus Mall	11.01.2016	52.2	45.1	48.9	62.7	65.2	43.6
2.	Pune University	11.01.2016	52.0	46.3	50.4	60.2	64.5	45.0
3.	Aundh	11.01.2016	51.9	45.3	49.7	61.3	65.5	44.4
4.	Karve Road	11.01.2016	53.3	46.9	51.5	61.0	63.6	45.3
5.	Vishrantwadi	11.01.2016	52.4	43.8	51.1	63.7	66.8	42.4

Chart 5.3: Noise levels on 10th & 11th January, 2016 in Pune



4. Nashik

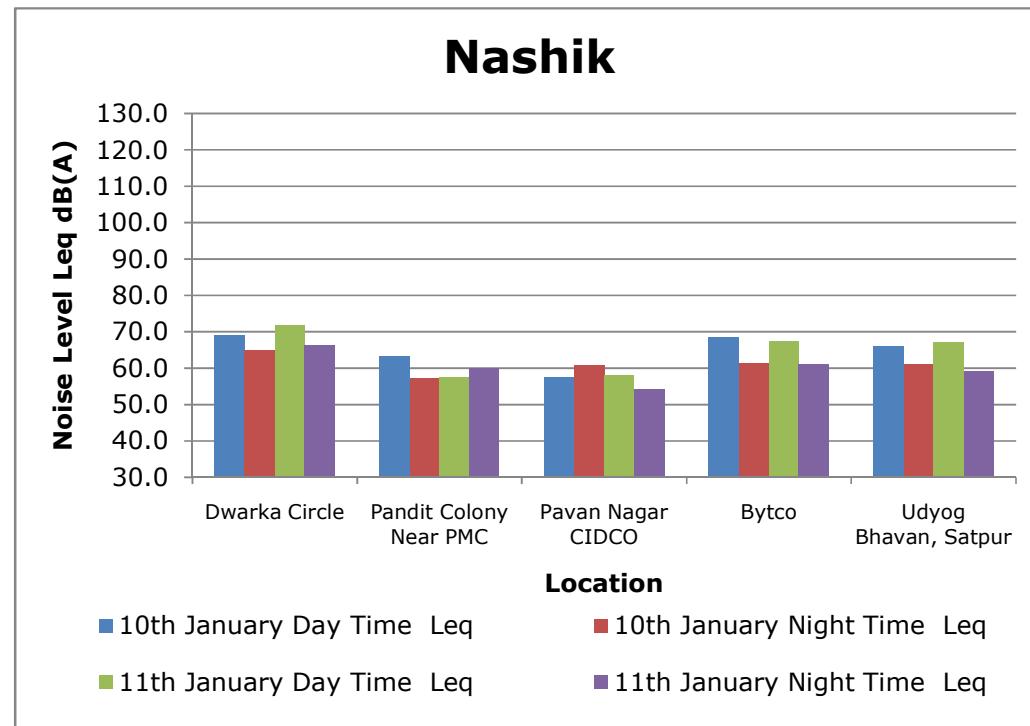
In Nashik the highest noise level was observed on the first day during the noise monitoring at CBS both during day time and night time with 81.9 dB(A) and 81.7 dB(A) respectively.

Table 5.4: Ambient Noise Level in Nashik

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Dwarka Circle	10.01.2016	68.9	60.6	68.9	77.7	78.9	58.5
2.	Pandit Colony Near PMC	10.01.2016	63.3	59.9	63.3	66.4	67.5	58.2
3.	Pavan Nagar CIDCO	10.01.2016	57.5	49.7	58.5	63.0	64.0	44.9
4.	Bytco	10.01.2016	68.6	62.4	68.5	76.6	77.8	61.6
5.	Udyog Bhavan, Satpur	10.01.2016	66.2	61.4	63.7	73.9	76.9	59.9
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Dwarka Circle	10.01.2016	64.9	62.0	64.4	68.7	69.6	61.6
2.	Pandit Colony Near PMC	10.01.2016	57.2	55.4	56.4	59.7	60.1	55.2
3.	Pavan Nagar CIDCO	10.01.2016	60.9	58.7	61.2	62.9	63.2	57.9
4.	Bytco	10.01.2016	61.4	59.3	62.0	63.0	63.4	57.9
5.	Udyog Bhavan, Satpur	10.01.2016	61.1	59.3	61.2	62.7	62.8	57.9
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Dwarka Circle	11.01.2016	71.9	66.9	70.5	78.7	79.8	64.6
2.	Pandit Colony Near PMC	11.01.2016	57.5	51.0	58.8	60.5	63.5	47.6
3.	Pavan Nagar CIDCO	11.01.2016	58.1	47.7	59.7	62.6	64.1	45.1
4.	Bytco	11.01.2016	67.2	60.8	65.5	77.2	78.2	58.5
5.	Udyog Bhavan, Satpur	11.01.2016	67.1	62.0	65.5	74.3	76.5	60.3
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Dwarka Circle	11.01.2016	66.2	63.3	65.9	69.9	69.9	62.6
2.	Pandit Colony Near PMC	11.01.2016	60.0	58.1	59.8	62.7	63.2	57.5
3.	Pavan Nagar CIDCO	11.01.2016	54.3	51.0	53.1	58.7	59.0	50.6

4.	Bytco	11.01.2016	61.1	57.6	61.2	64.5	64.6	56.5
5.	Udyog Bhavan, Satpur	11.01.2016	59.3	57.2	58.6	61.9	65.5	56.6

Chart 5.4: Noise levels on 10th & 11th January, 2016 in Nashik



5. Aurangabad

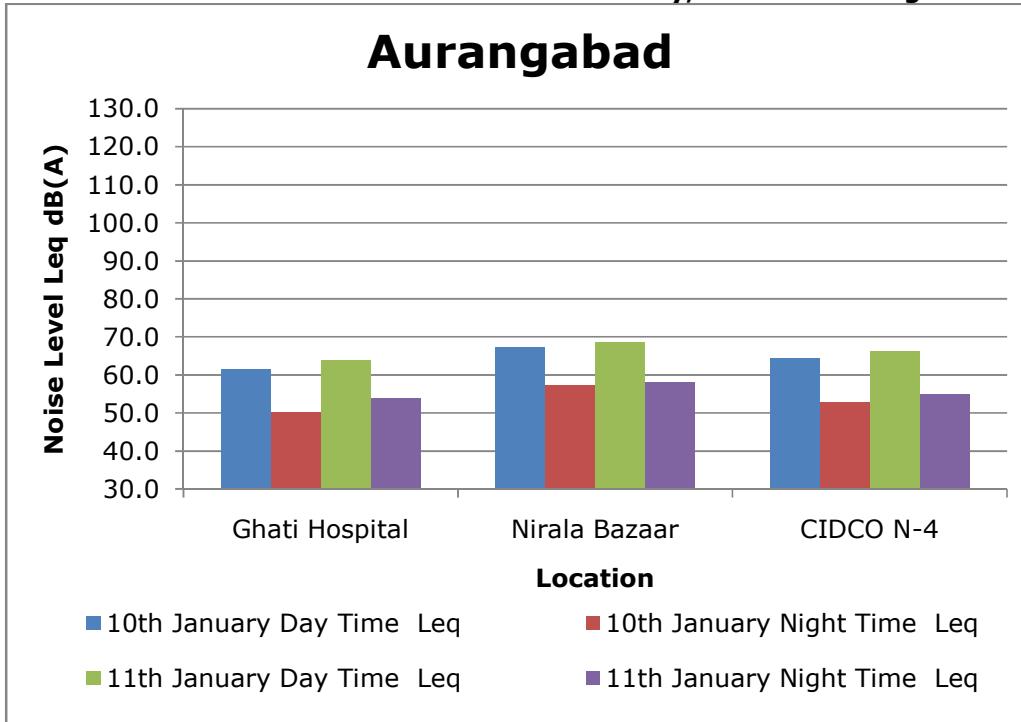
Gulmandi was found to have the highest noise level both during day time and night time with 76.4 dB(A) and 65.5 dB(A) respectively which was observed on the first day of noise monitoring.

Table 5.5: Ambient Noise Level in Aurangabad

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Ghati Hospital	10.01.2016	61.3	56.9	61.6	64.8	66.0	54.4
2.	Nirala Bazaar	10.01.2016	67.3	62.0	68.4	70.2	71.4	58.0
3.	CIDCO N-4	10.01.2016	64.2	59.6	64.6	68.9	71.3	56.5
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Ghati Hospital	10.01.2016	50.1	46.8	50.0	53.9	52.2	45.0
2.	Nirala Bazaar	10.01.2016	57.1	52.2	56.9	63.1	64.6	49.9
3.	CIDCO N-4	10.01.2016	52.9	48.5	53.0	57.8	58.3	47.4
Sr.	Location	Date	Day Time (6AM-10PM)					

		values in dB(A)						
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Ghati Hospital	11.01.2016	63.8	59.0	64.0	67.8	68.5	57.3
2.	Nirala Bazaar	11.01.2016	68.5	62.5	69.5	71.9	74.6	59.4
3.	CIDCO N-4	11.01.2016	66.1	60.5	67.6	69.6	70.1	55.7
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Ghati Hospital	11.01.2016	53.7	50.1	54.0	57.0	57.6	49.2
2.	Nirala Bazaar	11.01.2016	58.1	53.4	57.0	65.0	65.8	50.5
3.	CIDCO N-4	11.01.2016	54.9	51.2	55.6	58.7	59.5	48.4

Chart 5.5: Noise levels on 10th & 11th January, 2016 in Aurangabad

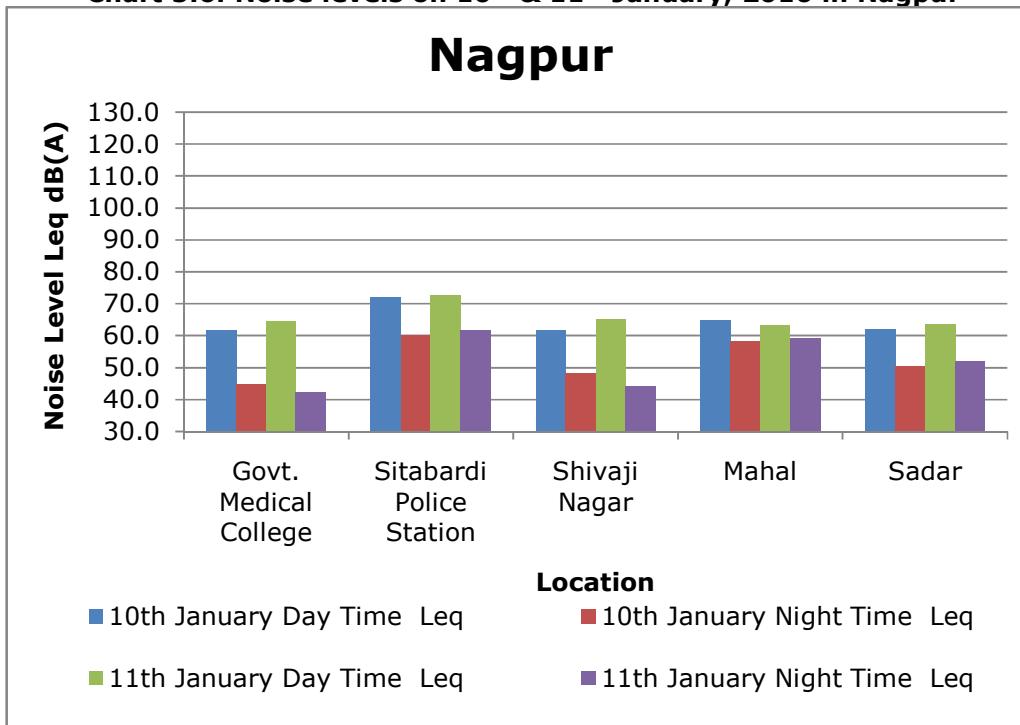


6. Nagpur

In Nagpur, out of 10 locations monitored in 3 days, Sadar was found to have the highest noise level on the first day of monitoring both during day time and night time with 77 dB(A) and 82.6 dB(A) respectively.

Table 5.6: Ambient Noise Level in Nagpur

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Govt. Medical College	10.01.2016	61.7	56.9	61.8	67.6	70.6	53.4
2.	Sitabardi Police Station	10.01.2016	72.0	69.8	72.1	75.4	78.7	63.7
3.	Shivaji Nagar	10.01.2016	61.8	59.0	62.3	65.6	68.1	50.6
4.	Mahal	10.01.2016	64.8	57.8	66.2	69.8	70.8	55.2
5.	Sadar	10.01.2016	62.1	58.7	62.9	64.0	69.1	55.3
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Govt. Medical College	10.01.2016	45.1	38.0	44.3	53.3	55.1	36.6
2.	Sitabardi Police Station	10.01.2016	60.1	53.1	60.3	67.5	68.5	50.9
3.	Shivaji Nagar	10.01.2016	48.2	40.1	44.6	59.0	59.9	39.3
4.	Mahal	10.01.2016	58.4	53.9	56.5	65.6	68.5	52.8
5.	Sadar	10.01.2016	50.4	43.5	47.7	59.8	60.5	42.2
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Govt. Medical College	11.01.2016	64.5	57.8	66.1	70.5	72.1	46.9
2.	Sitabardi Police Station	11.01.2016	72.8	70.3	73.0	75.6	77.7	62.7
3.	Shivaji Nagar	11.01.2016	65.3	62.2	64.7	69.7	71.3	59.6
4.	Mahal	11.01.2016	63.4	53.8	65.6	69.3	70.3	52.3
5.	Sadar	11.01.2016	63.5	60.2	63.6	68.2	69.6	54.0
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Govt. Medical College	11.01.2016	42.3	36.1	41.4	51.1	52.4	36.0
2.	Sitabardi Police Station	11.01.2016	61.7	56.2	63.1	66.3	69.0	54.0
3.	Shivaji Nagar	11.01.2016	44.1	38.5	42.6	51.3	54.0	37.0
4.	Mahal	11.01.2016	59.2	54.1	58.8	64.2	68.5	53.6
5.	Sadar	11.01.2016	51.9	44.0	52.6	59.5	60.5	43.6

Chart 5.6: Noise levels on 10th & 11th January, 2016 in Nagpur

7. Kalyan

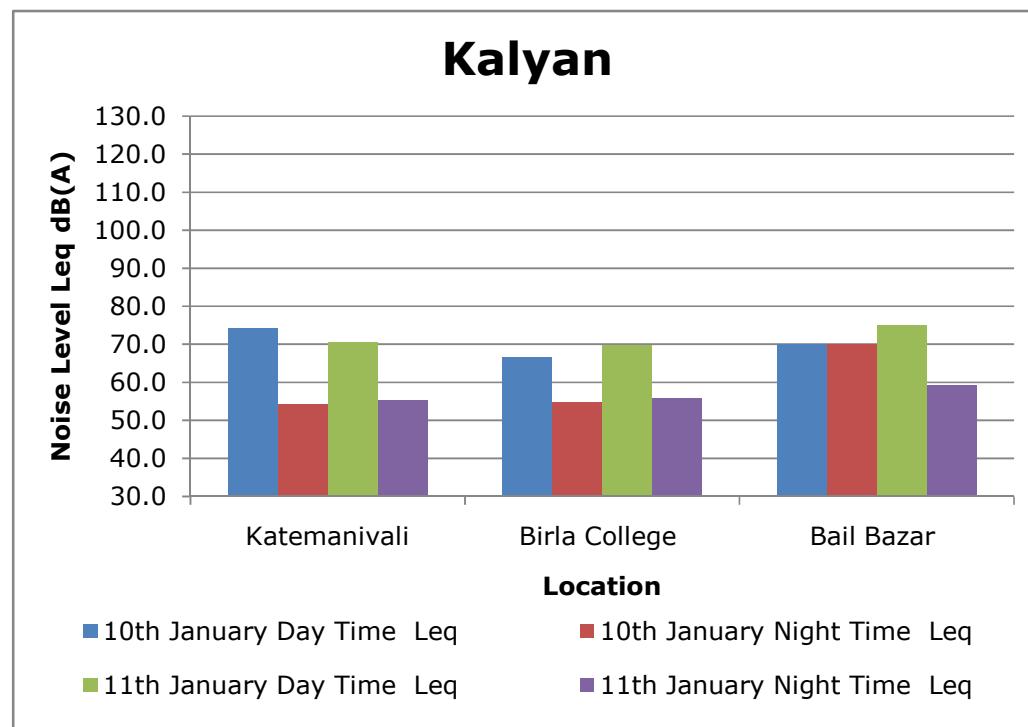
Katemanivali was found to have the highest noise level during the 3 days monitoring of Diwali festival. The highest noise level during day time was observed on the first day of monitoring with 82.2 dB(A) and during night time with 77.5 dB(A) was observed on the second day of noise monitoring.

Table 5.7: Ambient Noise Level in Kalyan

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Katemanivali	10.01.2016	74.3	63.4	70.0	95.6	98.3	58.8
2.	Birla College	10.01.2016	66.7	59.7	67.9	71.9	72.3	58.9
3.	Bail Bazar	10.01.2016	70.1	58.7	73.0	76.8	79.8	52.3
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Katemanivali	10.01.2016	54.3	40.9	50.3	72.7	84.2	38.9
2.	Birla College	10.01.2016	54.9	46.0	56.6	63.0	66.4	43.8
3.	Bail Bazar	10.01.2016	69.9	62.9	71.6	74.7	75.7	61.2
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Katemanivali	11.01.2016	70.7	55.1	72.8	82.4	86.8	48.9

2.	Birla College	11.01.2016	69.7	56.2	70.4	81.5	82.8	47.2
3.	Bail Bazar	11.01.2016	75.1	64.9	76.6	82.9	85.2	63.5
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Katemanivali	11.01.2016	55.4	44.6	53.1	70.3	75.6	42.9
2.	Birla College	11.01.2016	55.8	46.0	50.9	72.0	76.5	44.9
3.	Bail Bazar	11.01.2016	59.3	52.0	56.9	67.9	73.3	50.3

Chart 5.7: Noise levels on 10th & 11th January, 2016 in Kalyan



8. Amravathi

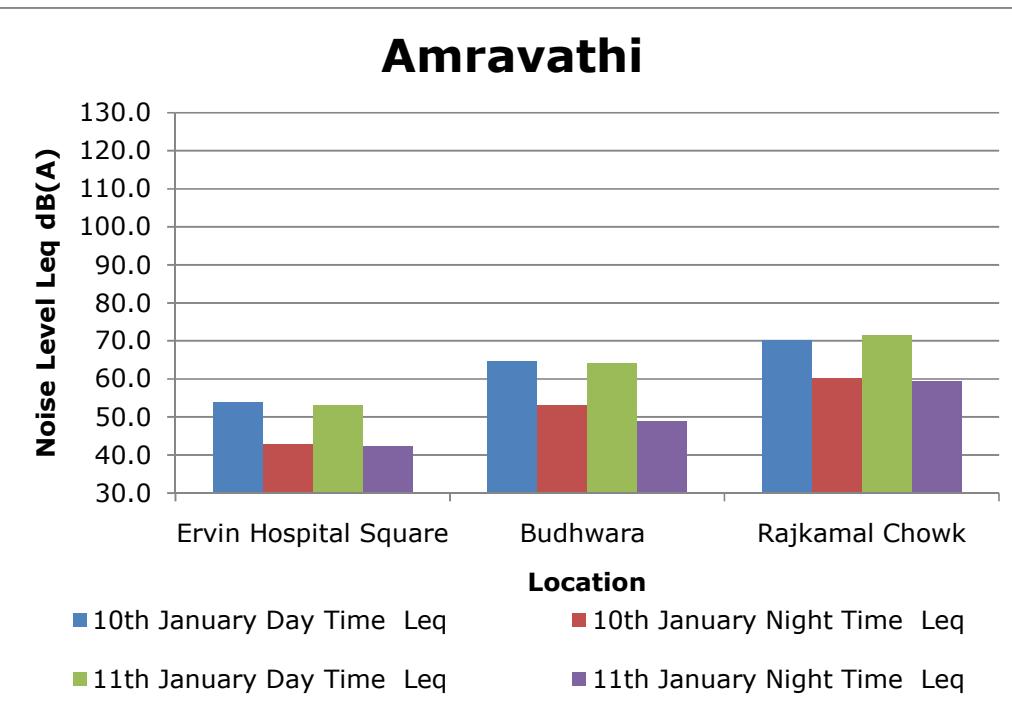
The highest noise level both during day time and night time was observed on the first day of noise monitoring at Rajkamal Chowk with 75.4 dB(A) and 60.8 dB(A) respectively.

Table 5.8: Ambient Noise Level in Amravathi

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Ervin Hospital Square	10.01.2016	53.7	51.7	54.4	55.9	55.9	46.7
2.	Budhwara	10.01.2016	64.6	59.2	65.3	69.3	70.9	52.5
3.	Rajkamal Chowk	10.01.2016	70.0	61.9	71.2	76.2	76.7	52.7

Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Ervin Hospital Square	10.01.2016	42.9	39.1	41.3	48.6	51.2	38.2
2.	Budhwara	10.01.2016	53.0	45.6	52.8	61.5	63.2	44.2
3.	Rajkamal Chowk	10.01.2016	60.1	55.9	59.5	64.5	69.6	55.5
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Ervin Hospital Square	11.01.2016	53.1	51.2	52.9	54.9	54.9	49.1
2.	Budhwara	11.01.2016	64.2	58.1	64.5	69.6	74.2	49.5
3.	Rajkamal Chowk	11.01.2016	71.6	61.8	73.8	77.2	78.7	57.2
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Ervin Hospital Square	11.01.2016	42.3	37.5	40.7	49.1	52.7	37.1
2.	Budhwara	11.01.2016	48.9	42.3	47.2	58.9	60.9	42.1
3.	Rajkamal Chowk	11.01.2016	59.4	54.6	58.1	66.3	70.0	52.8

Chart 5.8: Noise levels on 10th & 11th January, 2016 015 in Amravathi



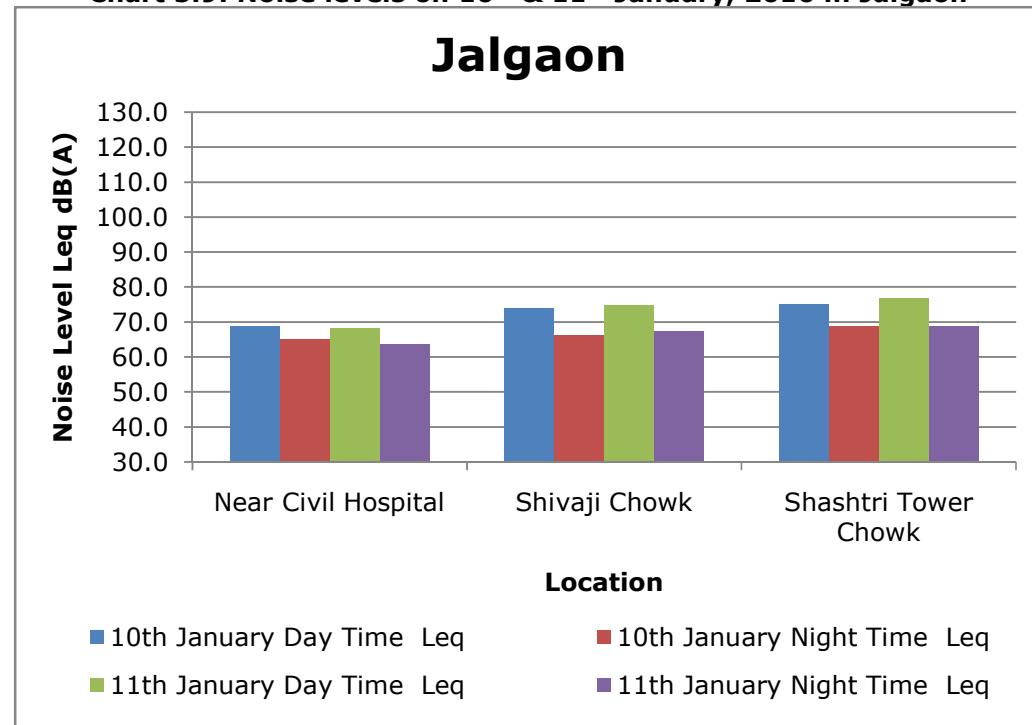
9. Jalgaon

In Jalgaon, the highest noise level both during day time and night time was observed on the first day of monitoring at Shivaji chowk with 83.8 dB(A) and Shashtri Tower Chowk with 81.8 dB(A) respectively.

Table 5.9: Ambient Noise Level in Jalgaon

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Near Civil Hospital	10.01.2016	68.6	64.5	69.3	71.5	73.4	61.2
2.	Shivaji Chowk	10.01.2016	74.0	67.7	75.1	79.0	79.9	65.8
3.	Shashtri Tower Chowk	10.01.2016	75.0	68.7	76.7	80.0	81.8	66.9
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Near Civil Hospital	10.01.2016	65.1	63.1	65.3	67.1	67.7	62.6
2.	Shivaji Chowk	10.01.2016	66.1	61.9	66.2	69.6	72.3	61.4
3.	Shashtri Tower Chowk	10.01.2016	68.6	64.2	67.7	73.7	75.6	64.0
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Near Civil Hospital	11.01.2016	68.1	64.6	68.7	70.4	71.3	63.1
2.	Shivaji Chowk	11.01.2016	74.6	67.7	75.2	80.8	82.6	65.6
3.	Shashtri Tower Chowk	11.01.2016	76.9	68.9	78.9	82.0	82.8	66.5
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Near Civil Hospital	11.01.2016	63.5	62.0	63.6	64.9	65.0	61.6
2.	Shivaji Chowk	11.01.2016	67.3	63.0	66.5	72.5	75.2	62.7
3.	Shashtri Tower Chowk	11.01.2016	68.7	64.5	67.6	74.4	76.3	63.3

Chart 5.9: Noise levels on 10th & 11th January, 2016 in Jalgaon



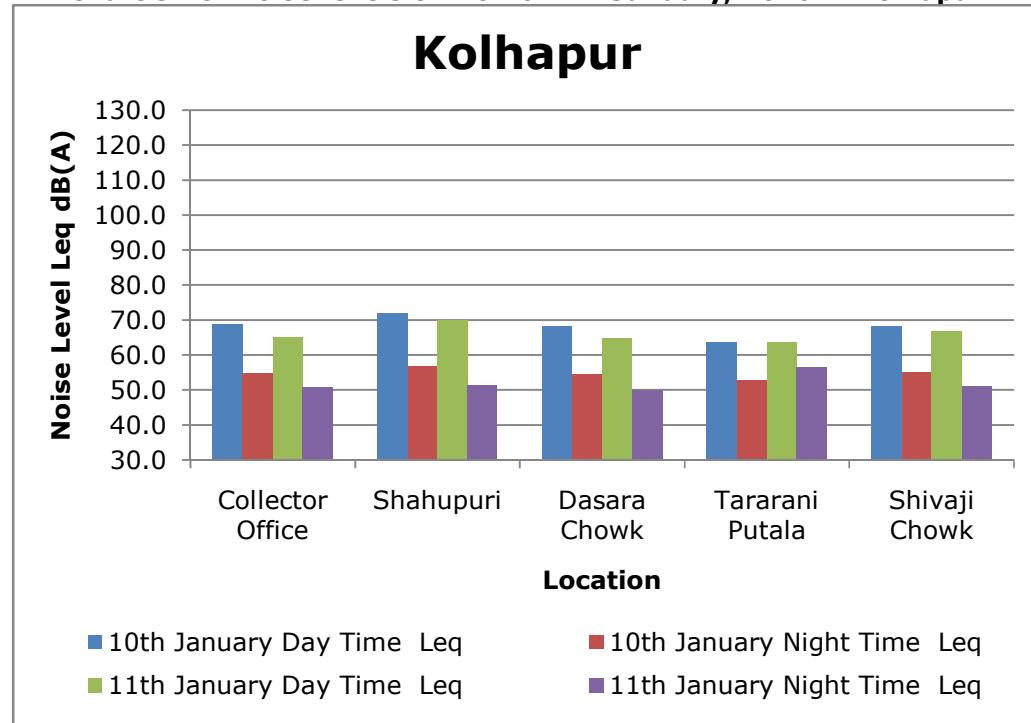
10. Kolhapur

The highest noise level during day time of 86.5 dB(A) was observed at Papachi Tikti and during night time was observed at Bindu Chowk with 85.0 dB(A).

Table 5.10: Ambient Noise Level in Kolhapur

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Collector Office	10.01.2016	68.6	54.5	71.3	76.5	78.1	44.3
2.	Shahupuri	10.01.2016	71.9	66.7	71.6	77.9	80.9	59.5
3.	Dasara Chowk	10.01.2016	68.3	56.1	71.2	74.5	76.7	45.6
4.	Tararani Putala	10.01.2016	63.6	55.2	64.1	73.6	73.9	53.1
5.	Shivaji Chowk	10.01.2016	68.3	54.5	69.8	76.5	79.1	47.9
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Collector Office	10.01.2016	54.7	47.7	52.2	65.9	69.3	47.6
2.	Shahupuri	10.01.2016	56.8	50.5	53.4	67.3	74.5	50.2
3.	Dasara Chowk	10.01.2016	54.3	46.3	49.5	65.6	69.5	45.7
4.	Tararani Putala	10.01.2016	52.8	47.6	52.2	59.4	60.5	45.3

5.	Shivaji Chowk	10.01.2016	55.0	47.5	54.1	62.1	69.1	46.8
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Collector Office	11.01.2016	65.1	52.0	67.0	75.4	77.8	41.1
2.	Shahupuri	11.01.2016	69.9	64.2	70.9	74.1	79.0	61.5
3.	Dasara Chowk	11.01.2016	64.7	57.1	65.6	71.9	72.6	48.8
4.	Tararani Putala	11.01.2016	63.7	57.7	62.6	73.5	75.5	52.6
5.	Shivaji Chowk	11.01.2016	66.9	55.0	69.5	74.6	77.2	51.3
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Collector Office	11.01.2016	50.7	45.5	48.1	60.1	60.9	45.2
2.	Shahupuri	11.01.2016	51.3	45.6	48.5	59.2	68.5	44.8
3.	Dasara Chowk	11.01.2016	49.9	44.8	47.7	59.8	61.9	44.4
4.	Tararani Putala	11.01.2016	56.6	47.5	56.8	65.1	76.4	47.4
5.	Shivaji Chowk	11.01.2016	51.1	44.8	47.9	62.0	70.1	44.5

Chart 5.10: Noise levels on 10th & 11th January, 2016 in Kolhapur

11. Sangli

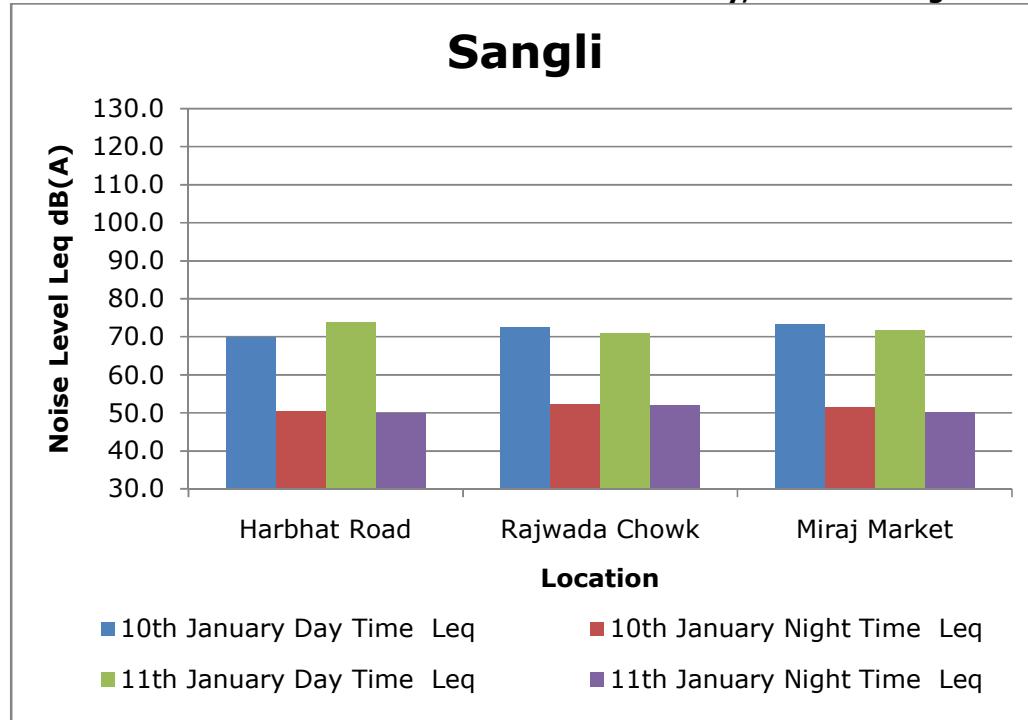
Herbhat Road was found to have the highest noise level during day time with 86 dB(A) on the first day of monitoring. The highest noise level during night time was observed during second day night time with 77.7 dB(A) at Miraj market.

Table 5.11: Ambient Noise Level in Sangli

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Harbhat Road	10.01.2016	69.9	60.0	72.2	77.5	79.0	53.7
2.	Rajwada Chowk	10.01.2016	72.5	62.8	73.9	79.1	81.2	53.3
3.	Miraj Market	10.01.2016	73.2	62.4	74.9	80.7	81.5	56.4
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Harbhat Road	10.01.2016	50.5	44.9	49.0	58.0	64.8	44.1
2.	Rajwada Chowk	10.01.2016	52.2	49.2	52.0	54.8	58.5	49.0
3.	Miraj Market	10.01.2016	51.5	49.2	50.3	55.1	56.0	47.6
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Harbhat Road	11.01.2016	73.6	60.6	79.2	85.2	86.0	50.3
2.	Rajwada Chowk	11.01.2016	70.8	51.5	77.0	84.7	87.6	49.3

3.	Miraj Market	11.01.2016	71.7	58.5	72.1	84.2	88.4	54.8
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Harbhat Road	11.01.2016	49.9	41.8	46.0	62.0	68.6	41.3
2.	Rajwada Chowk	11.01.2016	52.0	46.9	50.5	57.9	60.4	46.6
3.	Miraj Market	11.01.2016	50.2	47.1	49.0	54.4	55.3	46.7

Chart 5.11: Noise levels on 10th & 11th January, 2016 in Sangli



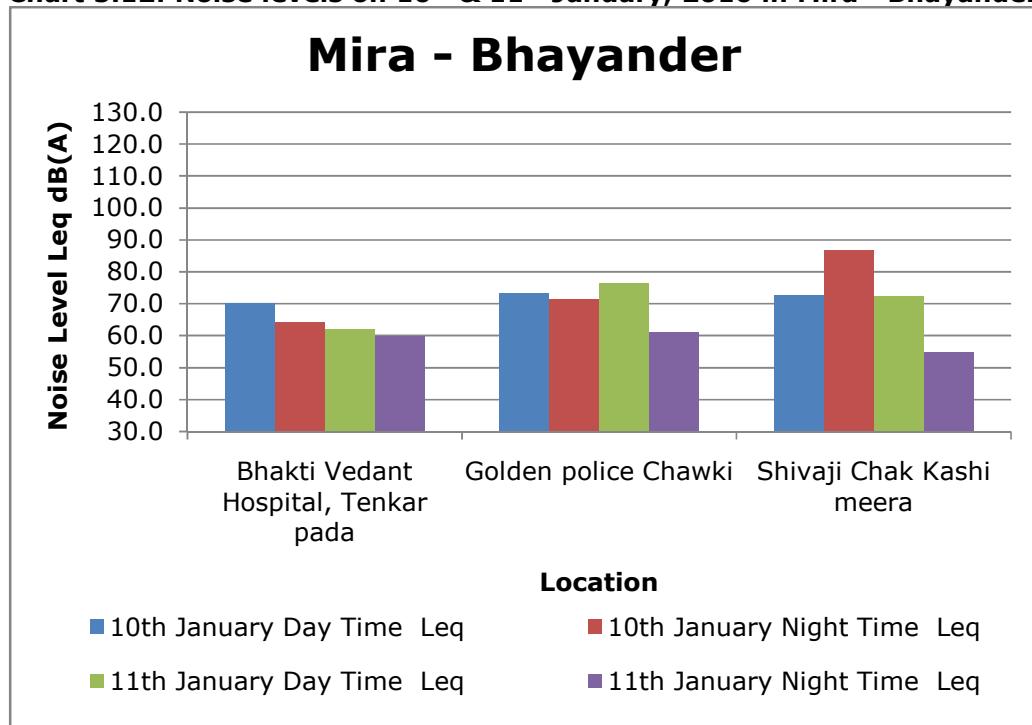
12. Mira - Bhayander

The maximum noise level at Mira – Bhayander both during day time and night time was observed at Golden police Chawki with 84.3 dB(A) and 83.9 dB(A) respectively on the first day of noise monitoring carried out.

Table 5.12: Ambient Noise Level in Mira - Bhayander

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Bhakti Vedant Hospital, Tenkar pada	10.01.2016	70.4	56.6	73.1	82.2	87.0	56.1
2.	Golden police Chawki	10.01.2016	73.4	58.0	74.5	86.0	91.6	55.3
3.	Shivaji Chak Kashi meera	10.01.2016	72.7	70.4	72.7	75.5	76.0	66.7

Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Bhakti Vedant Hospital, Tenkar pada	10.01.2016	64.2	59.9	62.1	72.1	76.6	58.9
2.	Golden police Chawki	10.01.2016	71.5	56.8	74.0	80.0	82.2	56.6
3.	Shivaji Chak Kashi meera	10.01.2016	86.7	73.5	90.4	93.7	95.7	70.5
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Bhakti Vedant Hospital, Tenkar pada	11.01.2016	62.2	58.1	61.6	65.4	70.6	57.8
2.	Golden police Chawki	11.01.2016	76.3	72.5	76.6	79.4	83.4	71.6
3.	Shivaji Chak Kashi meera	11.01.2016	72.3	67.7	71.6	78.7	85.7	61.6
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Bhakti Vedant Hospital, Tenkar pada	11.01.2016	59.7	57.0	57.2	65.9	67.4	56.9
2.	Golden police Chawki	11.01.2016	61.0	55.4	61.0	65.8	71.9	51.3
3.	Shivaji Chak Kashi meera	11.01.2016	54.8	41.3	45.1	83.4	88.2	39.9

Chart 5.12: Noise levels on 10th & 11th January, 2016 in Mira - Bhayander

13. Vasai - Virar

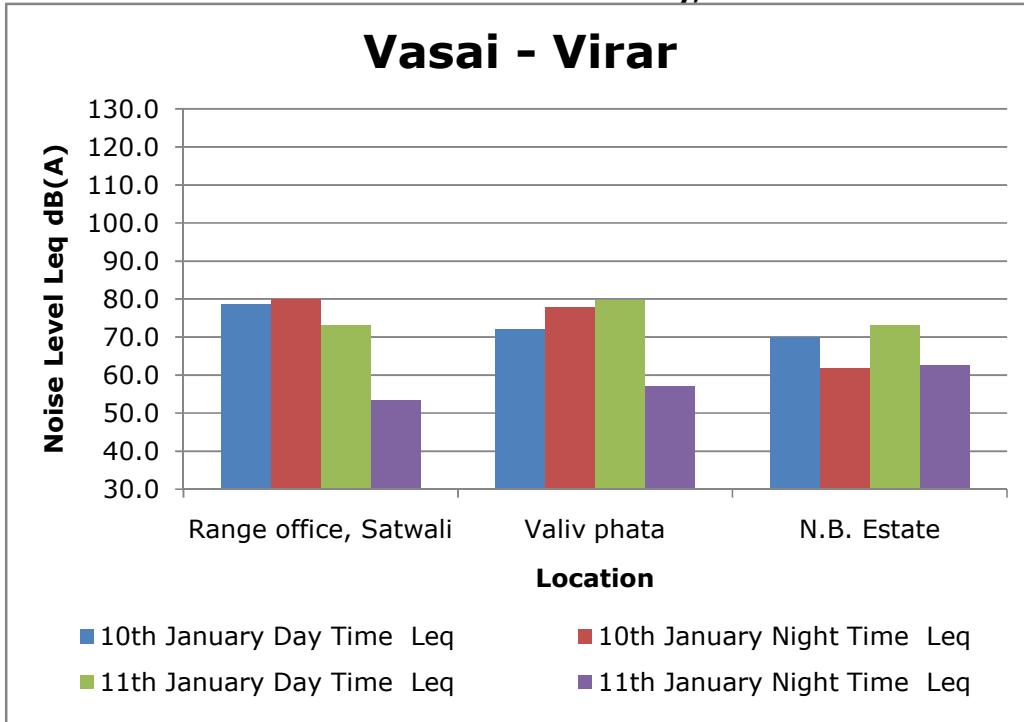
The highest noise level during day time was observed on the second day of monitoring with 81.5 dB(A) at N.B. Estate, Virar West. At night time, the highest noise level was also on the observed second day of monitoring at Valiv phata, Vasai East with 70.5 dB(A).

Table 5.13: Ambient Noise Level in Vasai - Virar

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Range office, Satwali	10.01.2016	78.5	75.0	77.7	83.2	89.7	68.6
2.	Valiv phata	10.01.2016	72.0	67.1	72.1	76.5	79.7	65.0
3.	N.B. Estate	10.01.2016	70.1	61.8	71.7	76.6	77.9	56.6
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Range office, Satwali	10.01.2016	80.0	71.5	82.5	85.9	87.1	67.5
2.	Valiv phata	10.01.2016	77.8	68.8	77.9	86.3	93.7	61.0
3.	N.B. Estate	10.01.2016	61.9	55.0	58.5	74.0	80.1	54.4
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}

1.	Range office, Satwali	11.01.2016	73.0	67.4	71.2	81.5	85.7	65.6
2.	Valiv phata	11.01.2016	79.7	73.8	79.5	85.7	85.9	70.7
3.	N.B. Estate	11.01.2016	73.0	66.1	72.9	81.0	82.8	61.5
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L_{10}	L_{50}	L_{90}	L_{max}	L_{min}
1.	Range office, Satwali	11.01.2016	53.3	49.5	52.1	58.6	61.1	49.2
2.	Valiv phata	11.01.2016	57.1	46.8	56.0	71.3	76.8	45.7
3.	N.B. Estate	11.01.2016	62.5	54.5	63.8	70.6	73.8	52.5

Chart 5.13: Noise levels on 10th & 11th January, 2016 in Vasai - Virar



14.Ulhasnagar

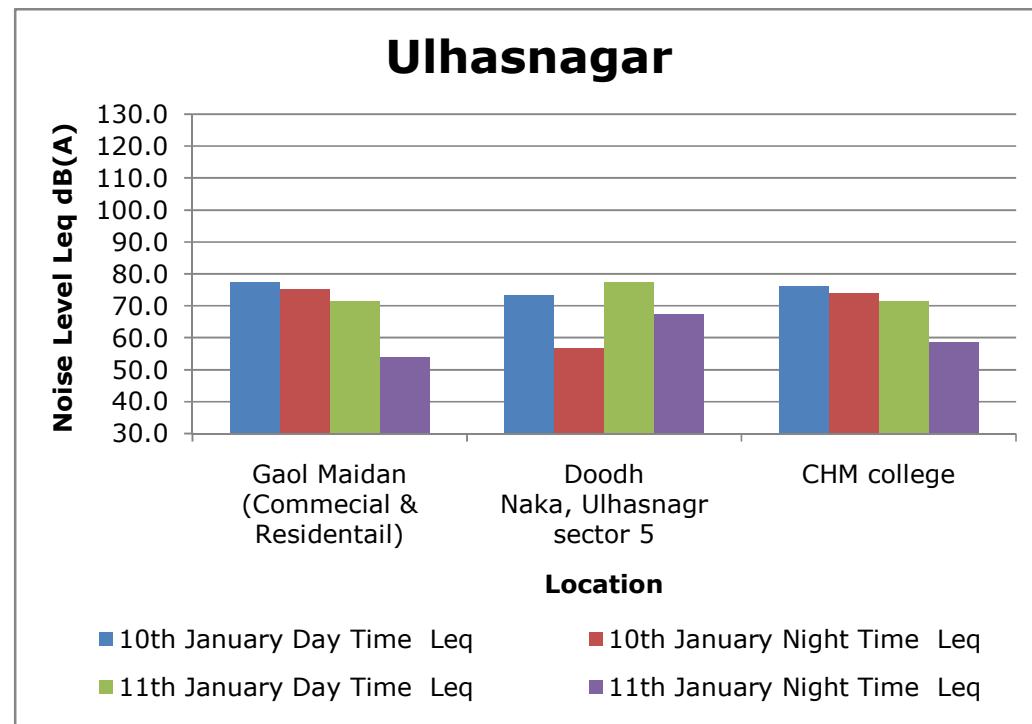
The highest noise level both during day time and night time was observed on the third day of monitoring at Camp No. 1 Gol Maidan with 82 dB(A) and 73.6 dB(A) respectively.

Table 5.14: Ambient Noise Level in Ulhasnagar

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L_{10}	L_{50}	L_{90}	L_{max}	L_{min}
1.	Gaol Maidan (Commcelial & Residential)	10.01.2016	77.6	69.7	75.4	86.2	93.9	67.5

2.	Doodh Naka, Ulhasnagr sector 5	10.01.2016	73.5	65.3	73.5	80.5	89.2	62.5
3.	CHM college	10.01.2016	76.0	68.8	76.4	85.3	86.0	62.4
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Gaol Maidan (Commcial & Residential)	10.01.2016	75.3	62.6	77.0	84.8	86.1	61.4
2.	Doodh Naka, Ulhasnagr sector 5	10.01.2016	56.8	48.3	56.5	66.6	70.2	48.2
3.	CHM college	10.01.2016	74.0	66.5	75.2	81.0	82.0	58.5
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Gaol Maidan (Commcial & Residential)	11.01.2016	71.3	65.1	70.0	78.1	79.2	63.5
2.	Doodh Naka, Ulhasnagr sector 5	11.01.2016	77.4	64.4	76.7	89.6	96.3	56.8
3.	CHM college	11.01.2016	71.5	63.6	69.4	81.1	84.6	61.6
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Gaol Maidan (Commcial & Residential)	11.01.2016	53.9	41.9	50.5	69.4	76.5	39.9
2.	Doodh Naka, Ulhasnagr sector 5	11.01.2016	67.5	56.7	65.7	80.6	83.5	55.6
3.	CHM college	11.01.2016	58.5	49.5	54.2	70.4	73.1	49.2

Chart 5.14: Noise levels on 10th & 11th January, 2016 in Ulhasnagar



15.Bhiwandi - Nizampur

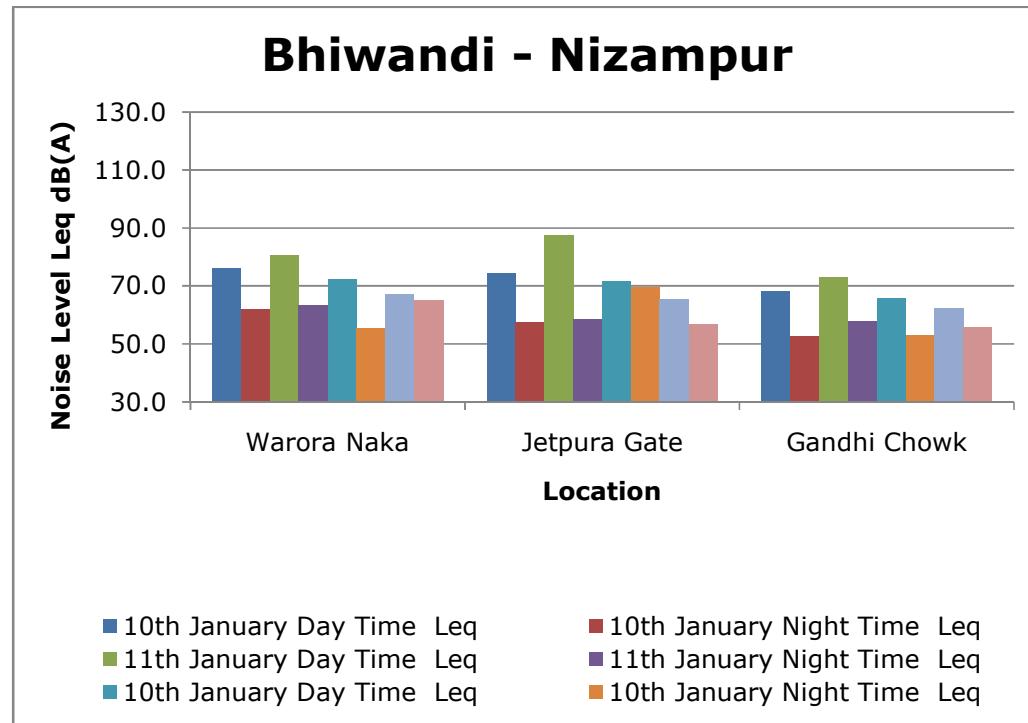
The highest noise level both during day time and night time was observed on the second day of monitoring at Dhamankar Naka with 78.6 dB(A) and at Indira Gandhi Memorial Hospital 71.9 dB(A) respectively.

Table 5.15: Ambient Noise Level in Bhiwandi - Nizampur

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Dhamankar Naka	10.01.2016	72.2	69.8	72.0	77.5	80.2	61.0
2.	Indira Gandhi Memorial Hospital	10.01.2016	71.5	67.5	72.2	74.1	75.8	63.2
3.	Shelar Near Nadi naka	10.01.2016	65.5	59.0	64.1	73.2	74.1	56.7
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Dhamankar Naka	10.01.2016	55.1	39.3	53.5	72.0	76.9	38.5
2.	Indira Gandhi Memorial Hospital	10.01.2016	69.6	64.8	68.3	77.3	78.1	64.4
3.	Shelar Near Nadi naka	10.01.2016	52.9	43.0	46.8	70.1	72.3	42.8
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					

			L_{eq}	L_{10}	L_{50}	L_{90}	L_{max}	L_{min}
1.	Dhamankar Naka	11.01.2016	67.0	61.6	65.2	78.5	79.3	60.6
2.	Indira Gandhi Memorial Hospital	11.01.2016	65.3	57.6	64.0	74.5	79.5	57.3
3.	Shelar Near Nadi naka	11.01.2016	62.1	57.3	61.5	66.6	76.1	56.8
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L_{10}	L_{50}	L_{90}	L_{max}	L_{min}
1.	Dhamankar Naka	11.01.2016	64.9	60.6	62.8	72.5	76.2	60.1
2.	Indira Gandhi Memorial Hospital	11.01.2016	56.7	48.6	56.7	63.4	71.4	47.9
3.	Shelar Near Nadi naka	11.01.2016	55.7	47.8	54.3	64.5	68.0	43.7

Chart 5.15: Noise levels on 10th & 11th January, 2016 in Bhiwandi - Nizampur

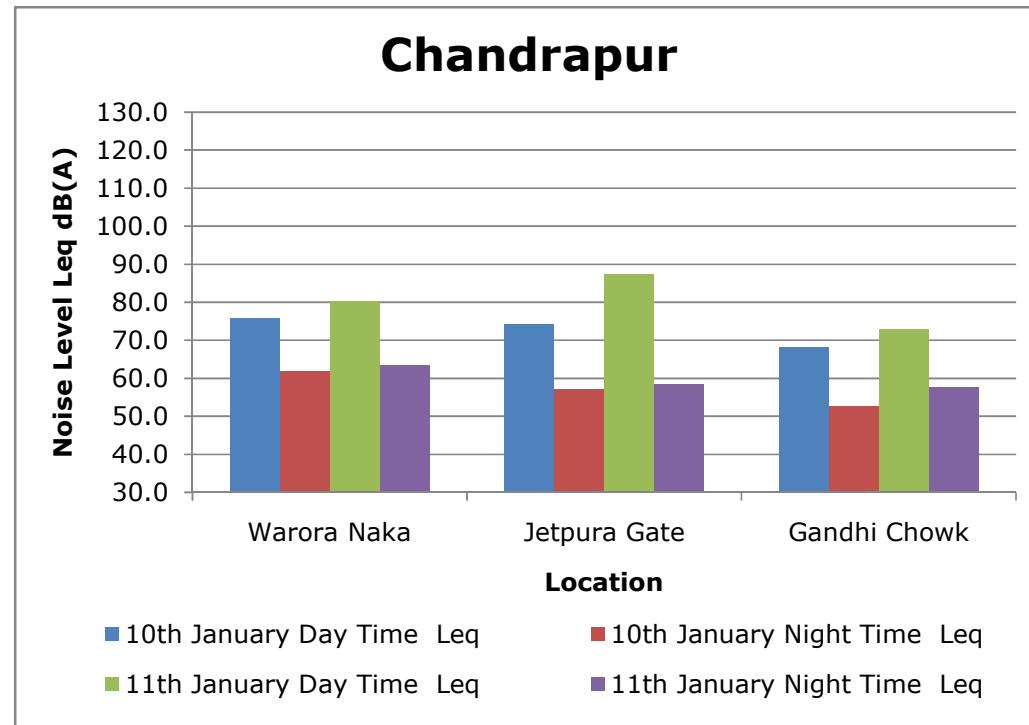


16.Chandrapur

The highest noise level both during day time and night time was observed on the first day of monitoring at Jatpura Gate with 85 dB(A) and at Warora Naka 77.9 dB(A) respectively.

Table 5.16: Ambient Noise Level in Chandrapur

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Warora Naka	10.01.2016	75.8	73.2	75.6	78.1	83.2	71.5
2.	Jetpura Gate	10.01.2016	74.3	72.4	74.5	77.2	81.7	63.6
3.	Gandhi Chowk	10.01.2016	68.1	61.1	68.7	74.3	75.4	57.0
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Warora Naka	10.01.2016	61.9	54.3	62.6	69.4	70.4	53.5
2.	Jetpura Gate	10.01.2016	57.3	47.5	60.7	65.6	68.0	45.3
3.	Gandhi Chowk	10.01.2016	52.6	43.5	55.3	59.5	61.8	42.9
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Warora Naka	11.01.2016	80.4	77.9	81.7	83.0	84.7	68.1
2.	Jetpura Gate	11.01.2016	87.5	77.7	90.9	93.7	95.0	73.0
3.	Gandhi Chowk	11.01.2016	73.0	68.9	73.9	75.4	75.6	66.6
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Warora Naka	11.01.2016	63.4	59.7	62.7	68.3	69.6	58.8
2.	Jetpura Gate	11.01.2016	58.5	48.4	59.7	68.5	68.8	46.9
3.	Gandhi Chowk	11.01.2016	57.8	49.5	56.5	67.0	68.0	48.8

Chart 5.16: Noise levels on 10th & 11th January, 2016 in Chandrapur**17.Nanded - Waghala**

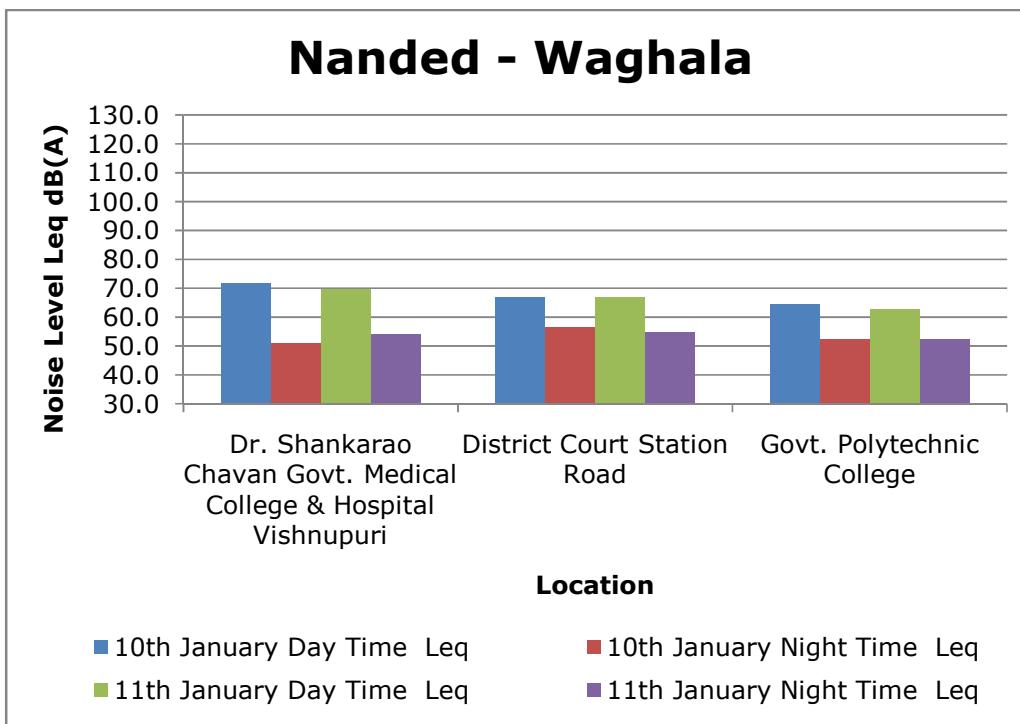
Shivaji Nagar in Nanded – Waghala was observed to have the highest noise level both during day time and night time with 80.4 dB(A) and 65.7 dB(A) respectively which was shown on the first day of monitoring. .

Table 5.17: Ambient Noise Level in Nanded - Waghala

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Dr. Shankarao Chavan Govt. Medical College & Hospital Vishnupuri	10.01.2016	71.8	61.3	74.3	77.8	78.3	55.4
2.	District Court Station Road	10.01.2016	66.9	62.0	68.0	70.2	71.6	55.6
3.	Govt. Polytechnic College	10.01.2016	64.6	57.5	66.0	70.6	71.4	54.6
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Dr. Shankarao Chavan Govt. Medical College & Hospital Vishnupuri	10.01.2016	51.0	47.8	50.4	55.0	56.3	47.1

2.	District Court Station Road	10.01.2016	56.3	50.0	55.4	63.9	64.7	49.6
3.	Govt. Polytechnic College	10.01.2016	52.3	49.1	51.7	56.2	57.6	48.5
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L_{10}	L_{50}	L_{90}	L_{max}	L_{min}
1.	Dr. Shankaraao Chavan Govt. Medical College & Hospital Vishnupuri	11.01.2016	69.5	59.2	72.0	74.9	75.63	56.51
2.	District Court Station Road	11.01.2016	67.0	57.8	68.0	74.4	76.56	54.78
3.	Govt. Polytechnic College	11.01.2016	62.6	54.5	63.9	67.4	68.78	51.62
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L_{10}	L_{50}	L_{90}	L_{max}	L_{min}
1.	Dr. Shankaraao Chavan Govt. Medical College & Hospital Vishnupuri	11.01.2016	54.0	49.7	53.8	59.0	60.5	48.4
2.	District Court Station Road	11.01.2016	54.9	50.2	54.5	60.4	62.7	47.5
3.	Govt. Polytechnic College	11.01.2016	52.2	48.8	51.5	56.6	59.4	47.2

Chart 5.17: Noise levels on 10th & 11th January, 2016 in Nanded - Waghal

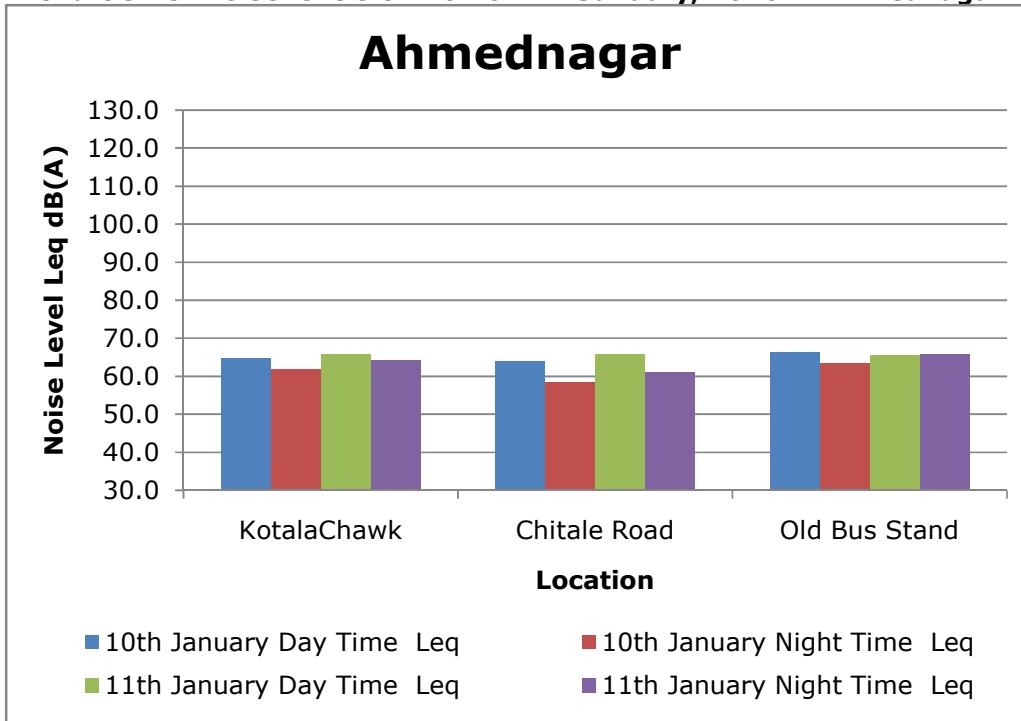


18.Ahmednagar

Kotala Chawk was observed to have the highest noise level both during day time and night time during the noise monitoring of 3 days. The highest noise level during day time of 74.5 dB(A) was observed on the first day of monitoring and highest noise level during night time of 69.9 dB(A) was observed on the second day of monitoring.

Table 5.18: Ambient Noise Level in Ahmednagar

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	KotalaChawk	10.01.2016	64.8	59.8	64.2	71.3	72.6	57.0
2.	Chitale Road	10.01.2016	64.1	59.2	64.2	69.5	71.7	58.6
3.	Old Bus Stand	10.01.2016	66.3	59.0	64.8	73.3	75.3	54.7
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	KotalaChawk	10.01.2016	62.0	57.8	61.3	65.7	67.3	57.3
2.	Chitale Road	10.01.2016	58.3	53.9	55.8	65.0	65.7	53.0
3.	Old Bus Stand	10.01.2016	63.3	59.3	61.2	69.0	71.3	56.0
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	KotalaChawk	11.01.2016	65.7	61.7	65.8	69.5	70.7	61.0
2.	Chitale Road	11.01.2016	65.9	61.8	65.3	71.5	73.7	60.6
3.	Old Bus Stand	11.01.2016	65.5	61.7	65.3	69.0	69.3	60.0
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	KotalaChawk	11.01.2016	64.2	60.5	64.5	68.2	69.3	58.7
2.	Chitale Road	11.01.2016	61.2	58.4	60.5	64.6	66.7	57.7
3.	Old Bus Stand	11.01.2016	65.7	62.2	65.4	69.0	73.0	60.3

Chart 5.18: Noise levels on 10th & 11th January, 2016 in Ahmednagar

19.Dhule

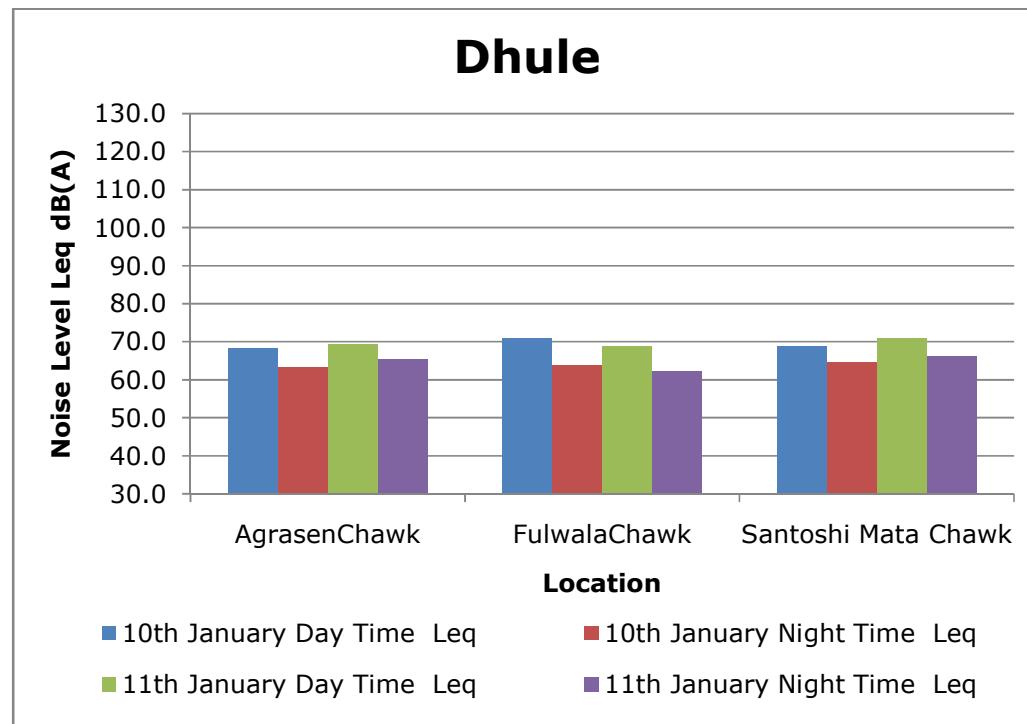
In Dhule, Fulwala Chawk was observed to have the highest noise level both during day time and night time during the noise monitoring of 3 days. The highest noise level during day time of 77.3 dB(A) was observed on the first day of monitoring and highest noise level during night time of 80.2 dB(A) was observed on the second day of monitoring.

Table 5.19: Ambient Noise Level in Dhule

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	AgrasenChawk	10.01.2016	68.2	64.5	68.1	72.6	74.5	63.3
2.	FulwalaChawk	10.01.2016	71.0	65.4	69.3	77.8	85.0	63.3
3.	Santoshi Mata Chawk	10.01.2016	68.7	64.5	69.4	73.6	78.8	54.3
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	AgrasenChawk	10.01.2016	63.3	60.1	64.1	66.5	66.5	55.8
2.	FulwalaChawk	10.01.2016	63.8	59.2	65.1	67.6	70.0	54.3
3.	Santoshi Mata Chawk	10.01.2016	64.6	61.5	65.0	68.0	68.0	57.0
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}

			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	AgrasenChawk	11.01.2016	69.4	64.3	67.8	75.8	79.0	60.3
2.	FulwalaChawk	11.01.2016	68.8	63.3	68.6	75.4	76.3	61.0
3.	Santoshi Mata Chawk	11.01.2016	70.8	64.3	70.4	75.7	87.0	63.0
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	AgrasenChawk	11.01.2016	65.4	64.1	65.8	66.5	66.7	63.0
2.	FulwalaChawk	11.01.2016	62.3	55.7	60.2	70.9	74.3	54.3
3.	Santoshi Mata Chawk	11.01.2016	66.2	64.2	66.1	68.5	69.0	63.0

Chart 5.19: Noise levels on 10th & 11th January, 2016 in Dhule



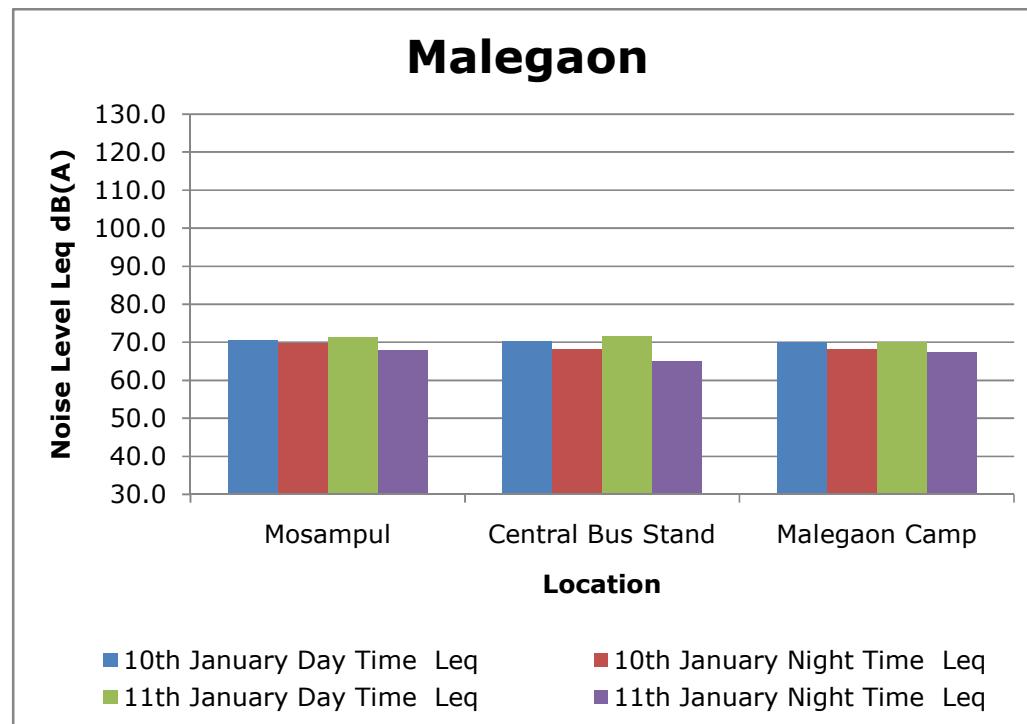
20. Malegaon

The highest noise level during day time was observed at Mosampul with 86.6 dB(A) on the first day of monitoring and the highest level of noise during night time was observed at Malegaon Camp with 75.8 dB(A) on the second day of monitoring.

Table 5.20: Ambient Noise Level in Malegaon

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Mosampul	10.01.2016	70.7	63.5	69.9	78.0	79.0	62.0
2.	Central Bus Stand	10.01.2016	70.2	63.3	68.5	78.5	79.8	62.0
3.	Malegaon Camp	10.01.2016	70.0	63.3	68.5	78.5	79.5	62.0
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Mosampul	10.01.2016	69.6	62.5	67.1	77.8	79.5	62.5
2.	Central Bus Stand	10.01.2016	68.3	62.4	64.4	77.6	79.0	62.0
3.	Malegaon Camp	10.01.2016	68.2	63.4	65.6	76.3	78.4	63.0
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Mosampul	11.01.2016	71.2	63.5	71.3	78.5	79.5	62.0
2.	Central Bus Stand	11.01.2016	71.6	64.8	71.6	79.0	79.5	62.0
3.	Malegaon Camp	11.01.2016	70.0	63.3	68.5	78.5	79.5	62.0
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Mosampul	11.01.2016	68.1	62.5	65.9	77.8	79.5	62.5
2.	Central Bus Stand	11.01.2016	65.2	62.5	63.6	68.4	77.0	62.5
3.	Malegaon Camp	11.01.2016	67.4	62.9	64.4	77.6	79.0	62.5

Chart 5.20: Noise levels on 10th & 11th January, 2016 in Malegaon



21. Pimpri - Chinchwad

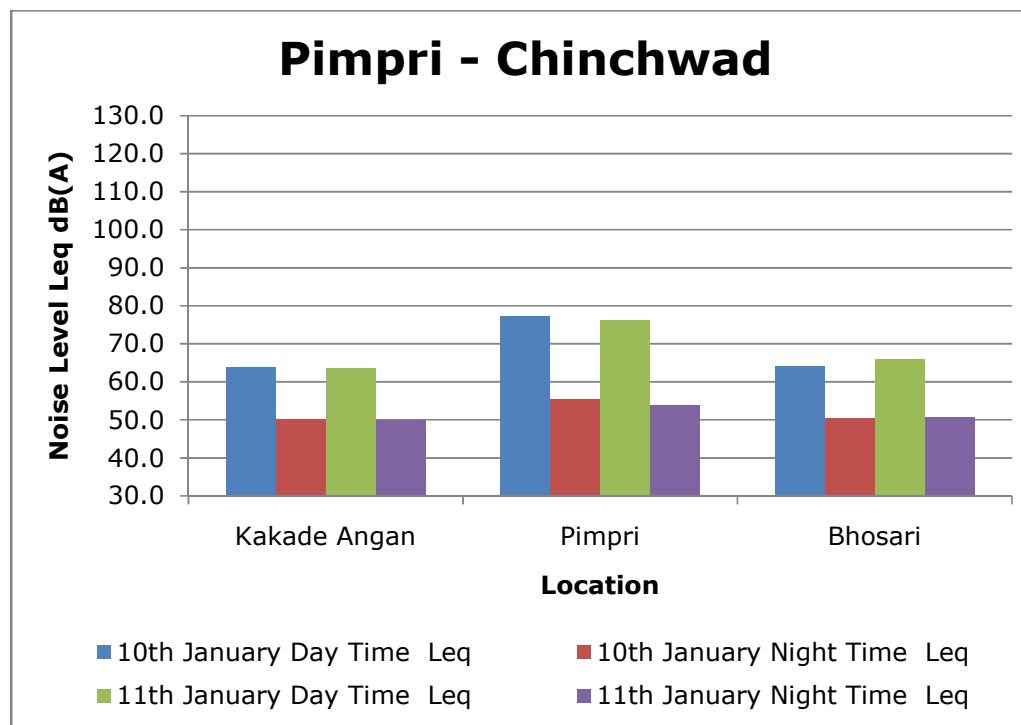
The highest noise level both during day time and night time was observed on the first day of monitoring at Pimpri - Chinchwad. The highest noise level during day time of 83.8 dB(A) was observed at Pimpri (Dilux Chauk) and at night time of 80.7 dB(A) was observed at Thergaon (Dange Chauk).

Table 5.21: Ambient Noise Level in Pimpri - Chinchwad

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Kakade Angan	10.01.2016	63.8	60.5	64.5	65.9	67.3	59.2
2.	Pimpri	10.01.2016	77.1	74.1	77.5	79.6	82.1	72.7
3.	Bhosari	10.01.2016	64.0	57.9	63.2	71.9	73.0	51.8
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Kakade Angan	10.01.2016	50.2	44.3	48.1	60.0	62.1	44.3
2.	Pimpri	10.01.2016	55.4	47.3	53.0	69.4	70.9	45.9
3.	Bhosari	10.01.2016	50.5	45.6	50.5	56.4	57.9	45.3
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}

1.	Kakade Angan	11.01.2016	63.7	61.0	63.4	66.6	67.6	59.8
2.	Pimpri	11.01.2016	76.2	72.8	77.6	79.9	80.3	59.8
3.	Bhosari	11.01.2016	66.1	59.1	66.1	72.5	75.6	55.6
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L_{10}	L_{50}	L_{90}	L_{max}	L_{min}
1.	Kakade Angan	11.01.2016	49.9	44.5	47.3	59.5	61.3	43.3
2.	Pimpri	11.01.2016	54.0	47.7	49.1	66.6	68.3	46.3
3.	Bhosari	11.01.2016	50.6	44.3	49.0	57.9	59.4	44.1

Chart 5.21: Noise levels on 10th & 11th January, 2016 in Pimpri - Chinchwad



22. Parbhani

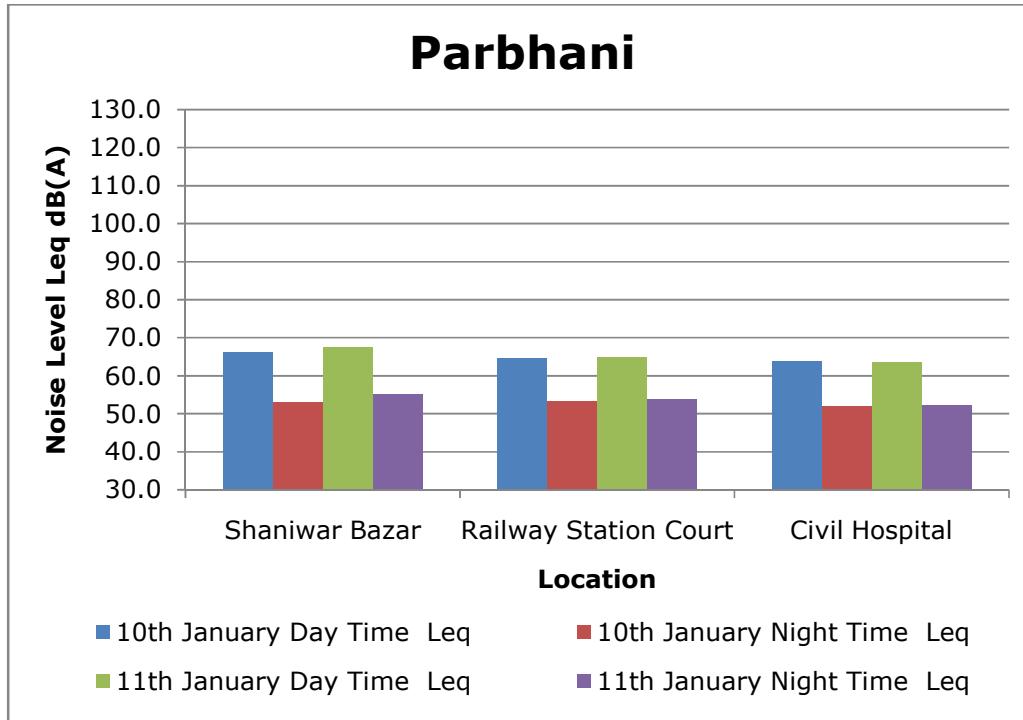
Shivaji Chawk, Parbhani was found to be the nosiest during noise monitoring and first was found to have the highest noise level both during day time and night time with 90.4 dB(A) and 76.1 dB(A) respectively.

Table 5.22: Ambient Noise Level in Parbhani

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L_{10}	L_{50}	L_{90}	L_{max}	L_{min}
1.	Shaniwar Bazar	10.01.2016	66.1	59.8	67.3	71.1	72.6	56.6
2.	Railway Station	10.01.2016	64.7	58.6	65.3	69.9	70.0	53.4

	Court							
3.	Civil Hospital	10.01.2016	63.9	56.9	64.4	69.5	70.5	55.5
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shaniwar Bazar	10.01.2016	53.1	48.6	52.4	58.6	61.4	47.2
2.	Railway Station Court	10.01.2016	53.3	50.0	51.8	58.2	60.6	49.3
3.	Civil Hospital	10.01.2016	52.1	47.8	51.1	57.3	58.5	47.4
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shaniwar Bazar	11.01.2016	67.4	59.3	69.0	73.5	74.6	52.3
2.	Railway Station Court	11.01.2016	64.8	56.1	66.0	70.0	73.7	52.6
3.	Civil Hospital	11.01.2016	63.7	54.1	64.8	71.1	72.0	51.5
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shaniwar Bazar	11.01.2016	55.0	49.2	53.1	63.3	64.6	48.6
2.	Railway Station Court	11.01.2016	53.7	49.7	52.9	58.6	61.8	48.3
3.	Civil Hospital	11.01.2016	52.1	47.6	51.5	57.4	59.5	47.1

Chart 5.22: Noise levels on 10th & 11th January, 2016 in Parbhani



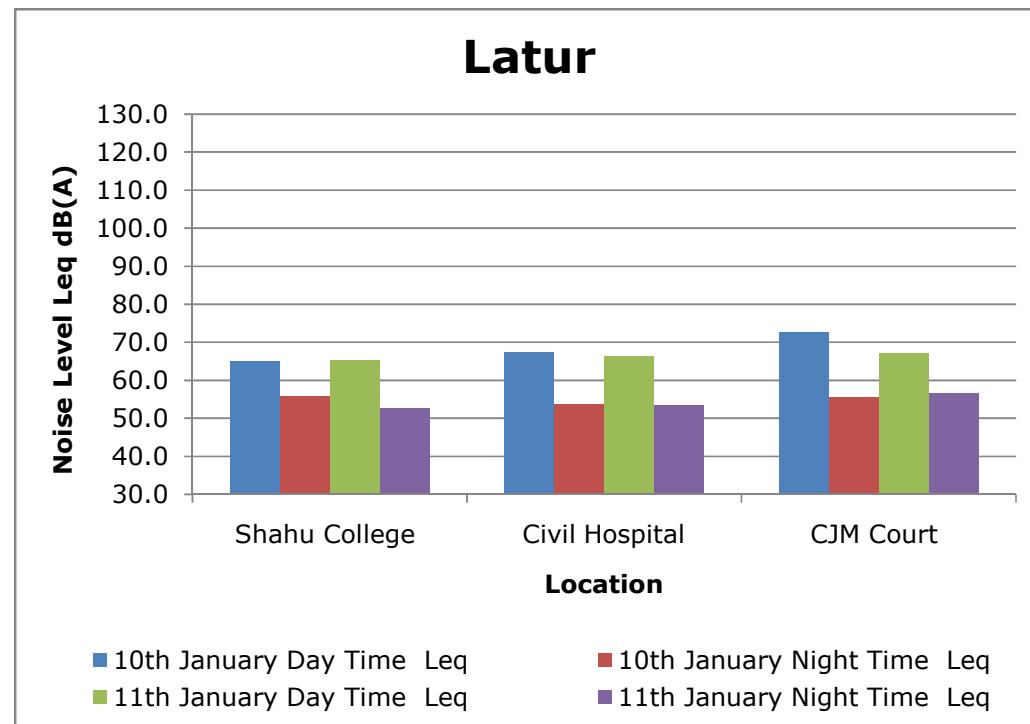
23.Latur

In Latur, on the first day of monitoring Ganjgolai was found to be having high noise levels both during day time and night time with 87.9 dB(A) and 77.8 dB(A) respectively.

Table 5.23: Ambient Noise Level in Latur

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shahu College	10.01.2016	64.9	57.1	65.3	72.4	78.7	54.5
2.	Civil Hospital	10.01.2016	67.3	58.1	67.5	77.6	79.4	55.5
3.	CJM Court	10.01.2016	72.6	57.5	76.4	81.0	82.6	55.6
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shahu College	10.01.2016	56.0	51.0	54.8	61.6	64.1	50.1
2.	Civil Hospital	10.01.2016	53.6	50.9	53.9	56.1	56.4	49.4
3.	CJM Court	10.01.2016	55.6	49.3	53.4	65.6	68.3	48.6
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shahu College	11.01.2016	65.3	57.3	66.3	71.6	72.9	54.5
2.	Civil Hospital	11.01.2016	66.5	58.6	66.0	74.0	79.8	52.6
3.	CJM Court	11.01.2016	67.1	54.3	69.8	74.6	78.5	51.4
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shahu College	11.01.2016	52.7	49.3	51.5	57.1	58.6	48.7
2.	Civil Hospital	11.01.2016	53.5	49.2	52.9	57.3	59.7	48.6
3.	CJM Court	11.01.2016	56.6	52.7	54.6	62.0	62.9	51.4

Chart 5.23: Noise levels on 10th & 11th January, 2016 in Latur



24.Akola

In Akola, on the first day of monitoring City Kotawali Chawk near police station was found to be having high noise levels both during day time and night time with 75.5 dB(A) and 65.5 dB(A) respectively.

Table 5.24: Ambient Noise Level in Akola

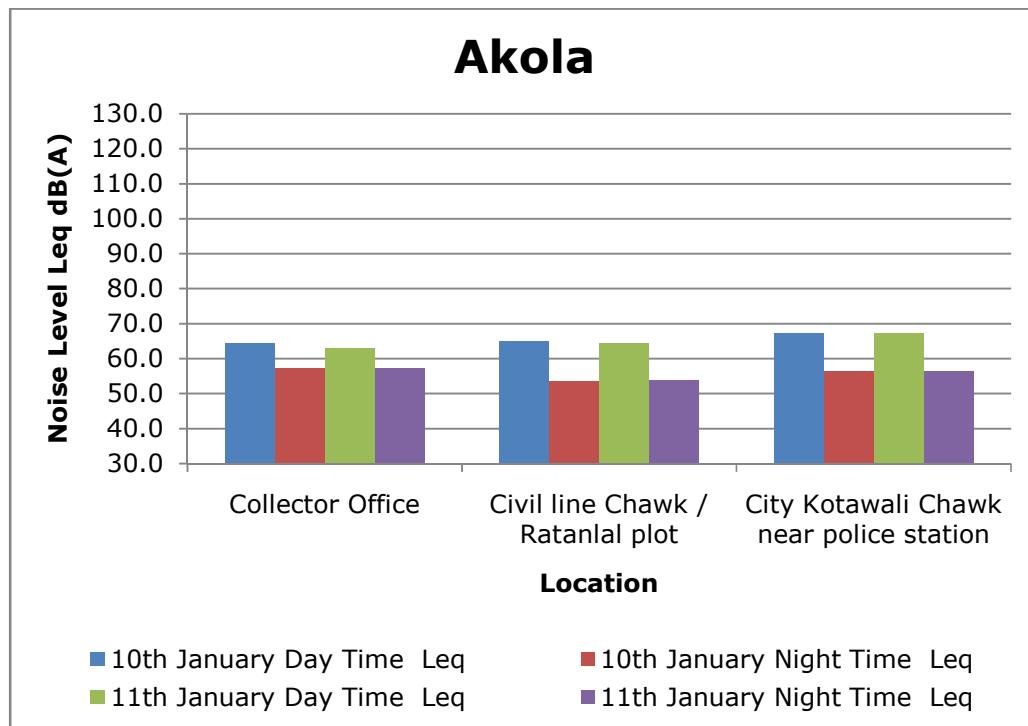
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Collector Office	10.01.2016	64.4	52.2	67.0	71.3	73.1	48.3
2.	Civil line Chawk / Ratanlal plot	10.01.2016	65.0	53.2	67.1	73.4	75.1	49.5
3.	City Kotawali Chawk near police station	10.01.2016	67.4	54.5	71.4	75.0	78.2	51.8

Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L _{eq}	L ₁₀	L ₅₀	L ₉₀	L _{max}	L _{min}
1.	Collector Office	10.01.2016	57.2	50.8	56.1	66.1	67.6	50.1
2.	Civil line Chawk / Ratanlal plot	10.01.2016	53.6	50.2	51.7	59.1	61.5	49.3
3.	City Kotawali Chawk near police station	10.01.2016	56.3	51.1	54.5	62.9	65.6	50.7

Sr.	Location	Date	Day Time (6AM-10PM)
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		values in dB(A)						
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Collector Office	11.01.2016	63.0	50.5	64.9	71.1	72.8	45.2
2.	Civil line Chawk / Ratanlal plot	11.01.2016	64.6	53.0	67.6	72.8	74.4	48.2
3.	City Kotawali Chawk near police station	11.01.2016	67.3	55.7	70.3	76.0	78.0	50.4
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Collector Office	11.01.2016	57.3	51.8	56.8	64.7	65.3	50.8
2.	Civil line Chawk / Ratanlal plot	11.01.2016	53.8	50.5	52.3	58.8	62.2	48.8
3.	City Kotawali Chawk near police station	11.01.2016	56.3	51.3	53.9	62.9	64.2	50.9

Chart 5.24: Noise levels on 10th & 11th January, 2016 in Akola

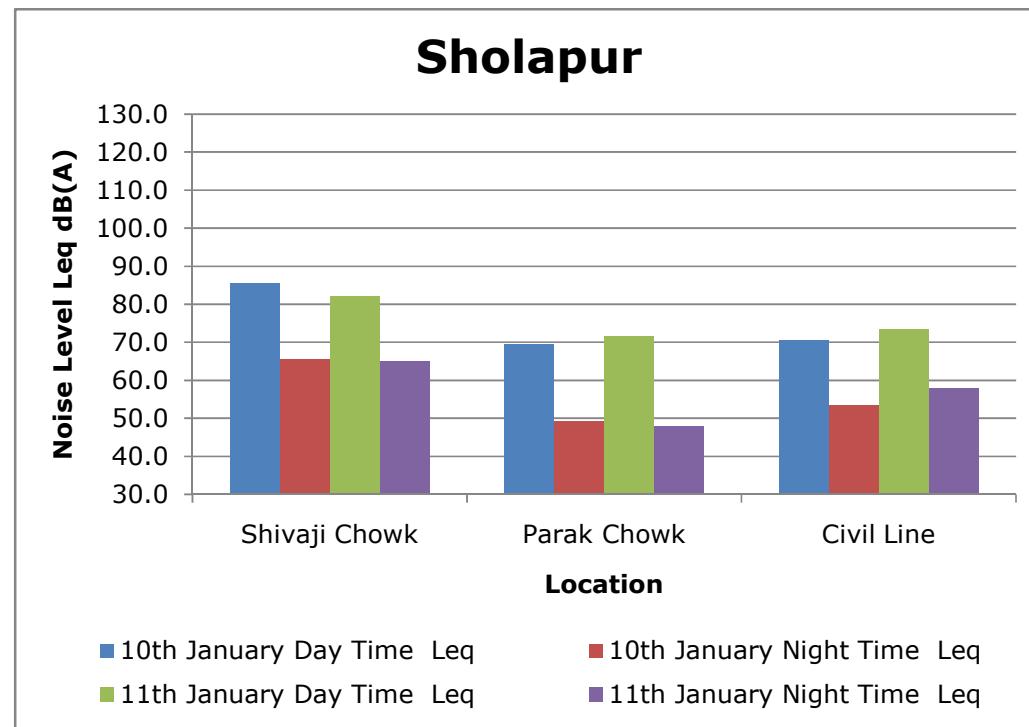


25.Solapur

The first day of monitoring was found to be having high noise levels both during day time and night time with 73.8 dB(A) at Ashok chowk and 70.7 dB(A) at Saat rasta Railway Station respectively.

Table 5.25: Ambient Noise Level in Solapur

Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shivaji Chowk	10.01.2016	85.6	71.6	89.7	94.8	95.7	68.8
2.	Parak Chowk	10.01.2016	69.6	61.3	68.2	78.1	84.9	58.3
3.	Civil Line	10.01.2016	70.5	64.1	70.7	75.7	79.3	58.9
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shivaji Chowk	10.01.2016	65.7	54.0	65.2	78.5	78.5	52.6
2.	Parak Chowk	10.01.2016	49.3	42.1	49.3	55.7	56.3	39.1
3.	Civil Line	10.01.2016	53.5	47.9	52.5	60.6	64.9	46.8
Sr.	Location	Date	Day Time (6AM-10PM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shivaji Chowk	11.01.2016	82.0	69.8	84.8	90.8	96.9	59.0
2.	Parak Chowk	11.01.2016	71.7	61.8	74.6	77.3	78.1	49.2
3.	Civil Line	11.01.2016	73.4	69.8	74.3	76.1	78.5	68.3
Sr.	Location	Date	Night Time (10PM-6AM) values in dB(A)					
			L_{eq}	L₁₀	L₅₀	L₉₀	L_{max}	L_{min}
1.	Shivaji Chowk	11.01.2016	64.9	55.7	64.1	75.9	77.9	54.9
2.	Parak Chowk	11.01.2016	48.0	41.7	46.8	54.8	56.0	39.4
3.	Civil Line	11.01.2016	57.9	49.9	57.4	69.1	70.2	48.9

Chart 5.26: Noise levels on 10th & 11th January, 2016 in Solapur

Conclusion

Noise pollution is not only causing environmental damage but it also has negative impact on human health as it can cause conditions such as aggression, hypertension, high stress levels, hearing loss and sleep disturbances. The noise measured during the Maharashtra Control Board noise monitoring project, the noise levels were exceeding the limits provided in Noise Pollution (R & C) Rules, 2000 amendment dt. 21st April 2009. Road vehicles including trucks, buses, tractors, SUVs and even motorcycles and most cars were major reason for the increase in noise range.

Noise pollution can take a severe toll on human health in the long run. These effects will not become apparent immediately, but there could be repercussions later on. The effects include a deterioration of mental health; ability to hear things clearly, dilation in the pupils of the eye, working of the heart. The governments should make efforts to control noise pollution by replacing rickety buses with comfortable coaches etc, planting trees all over the city, etc. The world without excessive noise pollution coming from human sources would be a much quieter and much more beautiful place to live in.

Definitions

A-Weighting

"A-weighting" is the frequency weighting characteristic as specified in IEC 123 or IEC 179 and 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 application of the A-weighting. It is measured in dBA, A-weighted, and denoted as dBA.

Decibel

The "decibel" is a dimensionless measure of sound level or sound pressure level; see sound pressure level.

Equivalent Sound Level

The "equivalent sound level" sometimes denoted L_{eq} , is the value of the constant sound level which would result in exposure to the same total A-weighted energy as would the specified time-varying sound, if the constant sound level persisted over an equal time interval. It is measured in dBA.

Fast Response

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

Percentile Sound Level

The "x percentile sound level", designated L_x , is the sound level exceeded x percent of a specified time period, It is measured in dBA.

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

"Sound level" is the A-weighted sound pressure level.

Sound Level Meter

A "sound level meter" is an instrument which 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 (Pr) of 20 μPa . Thus the sound pressure level in dB = $20 \log_{10} P/\text{Pr}$.

ANNEXURE I

Annexure I - Detailed list of locations

Sr. No.	City	Location name (details)
1.	Mumbai	Backside of High Court
		Mumbadevi Temple
		Borivali National Park
		Antop Hill
		Shivaji Park, Dadar
		Santacruz Airport
		Ghatkopar (W)
		Vashi Naka, Chembur
		Goregaon (E)
		Charkop, Kandivali
2.	Thane	Backside of High Court
		Shiv Mandir - In front of Kopineshwar Mandir
		Tembhi Naka - Four Way Road (Junction)
		Ghokhale Road - Near Woodland Shoes
		Pokharan - Vartak Nagar
3.	Pune	Wagle Estate
		Nucleus Mall
		Pune University
		Aundh
		Karve Road
4.	Nashik	Vishrantwadi
		Dwarka Circle
		Pandit Colony Near PMC
		Pavan Nagar CIDCO
		Bytco

Sr. No.	City	Location name (details)
		Udyog Bhavan, Satpur
5.	Aurangabad	Ghati Hospital
		Nirala Bazaar
		CIDCO N-4
6.	Nagpur	Govt. Medical College
		Sitabardi Police Station
		Shivaji Nagar
		Mahal
		Sadar
7.	Kalyan	Katemanivali - Near Tesai Talav
		Birla College - Near the gate
		Bail Bazar - Police Chowki
8.	Amravathi	Ervin Hospital Square
		Budhwara
		Rajkamal Chowk
9.	Jalgaon	Near Civil Hospital
		Shivaji Chowk
		Shashtri Tower Chowk
10.	Kolhapur	Collector Office
		Shahupuri
		Dasara Chowk
		Tararani Putala
		Shivaji Chowk
11.	Sangli	Harbhat Road
		Rajwada Chowk
		Miraj Market

Sr. No.	City	Location name (details)
12.	Mira-Bhayander	Bhakti Vedant Hospital, Tenkar pada
		Golden police Chawki
		Shivaji Chak Kashi meera
13.	Vasai-Virar	Range office, Satwali, Vasai East
		Valiv phata, Vasai East
		N.B. Estate, Virar West
14.	Ulhasnagar	Shivaji Chowk No. 3 - Near the Chowk
		Camp No. 5 Bus Stop - Bus Stop
		Camp No. 1 Gol Maidan - Gol Maidan
15.	Bhiwandi-Nizampur	Dhamankar Naka
		Indira Gandhi Memorial Hospital
		Shelar Near Nadi naka
16.	Chandrapur	Warora Naka
		Jetpura Gate
		Gandhi Chowk
17.	Nanded-Waghala	Dr. Shankarao Chavan Govt. Medical College & Hospital Vishnupuri
		District Court Station Road
		Govt. Polytechnic College
18.	Ahmednagar	Kotala Chawk
		Chitale Road
		Old Bus Stand
19.	Dhule	Agrasen Chawk
		Fulwala Chawk
		Santoshi Mata Chawk
20.	Malegaon	Mosampul
		Satana Naka

Sr. No.	City	Location name (details)
		Malegaon Camp
21.	Pimpri-Chinchwad	Kakade Angan
		Pimpri
		Bhosari
22.	Parbhani	Shaniwar Bazar
		Railway Station Court
		Civil Hospital
23.	Latur	Shahu College
		Civil Hospital
		CJM Court
24.	Akola	Collector Office
		Civil line Chawk / Ratanlal plot
		City Kotawali Chawk near police station
25.	Solapur	Shivaji Chowk
		Parak Chowk
		Civil Line

ANNEXURE II

Annexure II - Sound Level Meter

MS 6701, Type II



ANNEXURE III

**Annexure III - Noise Pollution (R & C) Rules, 2000 amendment
dt. 21st April 2009**

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

महाराष्ट्र शासन
पर्यावरण विभाग, मंत्रालय,
शासन निर्णय क्रमांक : ध्वनीप्र-२००३/प्र.क्र.१५/तांक-१
नविन प्रशासन भवन, ३५ वा भजला, मादाम कामा रोड, मुंबई - ४०० ०३२
दिनांक: २३ 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 अधिकाऱ्यांना 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 उराविक 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 प्रसिद्धी करावी.
- २) शैक्षणिक संस्थांच्या सभोवताली १०० मीटर क्षेत्र
- ३) सर्व न्यायालयाच्या सभोवतीली १०० मीटर क्षेत्र
- ४) रुग्णालयाच्या सभोवताली १०० मीटर क्षेत्र
- ५) ध्वनी प्रदूषणाची वाढती पातळी व निरनिराळे प्रदूषण स्रोत विचारात घेता, शासनाच्या निरनिराळ्या विभागांनी सधःस्थितीत ते राबवीत असलेल्या नियमाढारे ध्वनी प्रदूषण नियंत्रण व नियमनाची अंमलबजावणी करावी. त्याकरिता परिशिष्ट ३ मध्ये नमूद केल्याप्रमाणे, शासनाच्या संबंधित विभागांच्या अधिपत्यांनालील संस्थांच्या अधिकाऱ्यांना पदनाम प्राधिकरण म्हणून जाहीर करण्यात येत आहे. याबाबत संबंधीत रोटा/संच-०१००[मु०८-५-२००९]-१

A.

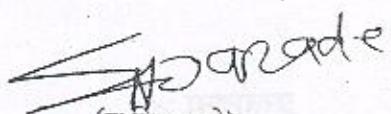
विभागांनी स्वतंत्र आदेश निर्गमित करावेत. सदर प्राधिकरण, ते राबवित असलेल्या नियमाच्या तरतुदीनुसार तरतु ध्वनी प्रदूषण (नियंत्रण व नियमन) नियम, २००० च्या तरतुदीनुसार ध्वनी प्रदूषण नियंत्रण व नियमनाची कार्यवाही करण्यास सक्षम असेल.

३) ध्वनी प्रदूषण करणारे उपकरणे / स्त्रोत जसे D.G. Sets (15-500 KVA); Coal Washeries ; Fire Crackers Generator Sets with Diesel (upto 1000 KVA) manufactured on or after 1st July, 2003 ; Vehicles & 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 इत्यादीची सभोधतालच्या 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.न.वड्डे)

संचालक (पर्यावरण)

प्रत माहितीसाठी :-

मा.मुख्यमंत्रांचे प्रधान सचिव

मा.उपमुख्यमंत्रांचे 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 अधिकारी / उप अधिकारी

पर्यावरण विभाग सर्व अधिकारी / कार्यासन /निवडनस्ती - तांक १

परिशिष्ट - १

संच-०१०० - १३

ध्वनी प्रदूषण व नियमन व नियंत्रणाची अंमलबजावणी करण्यासाठी शासनाच्या अधिपत्याखाली
असलेल्या संस्थांमधील संबंधीत अधिका-याची पदनाम प्राधिकरण न्हणून नियुक्ती

Sr. No	Officer /Agency	Concerned Department	Duties
1.	District Magistrate, Sub-Divisional Magistrate,	Revenue	Corresponding Rules for the enforcement of the Noise Pollution Control measures within their respective jurisdiction.
2.	Police Commissioner or any other officer not below the rank of the Deputy Superintendent of Police designated for the maintenance of Ambient Air Quality Standards, as mentioned in the Rule 2(c) of Noise Pollution(Regulation and Control) Rules, 2000.	Home	The Police Authorities will be responsible for initiating further legal actions in respect of the violations..
3.	Municipal Commissioner, Additional/Deputy Municipal Commissioner/ Chief Officer of Municipal Council/Committee Govt. of Maharashtra not below the rank of the Deputy Superintendent of Police.	Urban Developement	<p>Corresponding Rules for the enforcement 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>The urban local bodies shall be responsible for demarcation of the silent zones as per the Noise Rules, 2000 and displaying the same adequately.</p> <p>The urban local bodies shall include an Action Plan for noise control in the Environmental Status Report submitted by them annually, including noise monitoring and noise mapping studies.</p> <p>The Local Body and Urban Development Deptt., Govt. of Maharashtra will not grant any permissions for development activities in consistent with or in conflict with the categorization of zone. In case of overlapping zones, stringent standards will prevail over in that particular area.</p>
4.	Registrar /Head Master of the Educational Institutions duly approved by the concerned Government not below the rank of the Deputy Superintendent of Police	Higher & Technical Education/ School Education	Corresponding Rules for the enforcement and maintenance of the Ambient Noise Standards laid down for domestic appliances, automobiles etc. in respect of any activity in its jurisdiction.
5.	Dean/Superintendent of the Government Hospitals not below the rank of the Deputy Superintendent of Police	Public Health	Corresponding Rules for the enforcement and maintenance of the Ambient Noise Standards laid down for domestic appliances, automobiles etc. in respect of any activity in its

			Jurisdiction
A.	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>
E	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. (i) Any officer from the State Transport Department / Deputy Regional Transport Officer in their respective jurisdiction not below the rank of the Deputy Superintendent of Police (ii) Head of Maharashtra State Road Transport Corporation or any officer/ Depot Manager not below the rank of the Deputy Superintendent of Police. (iii) Traffic Police Authorities not below the rank of the Deputy Superintendent of Police	Home Department (Transport)	<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, Lw of a DG set should be less than, $94 + 10 \log_{10} (\text{KVA})$, 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.

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.
 - E 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 Washerries

Operational / Working Zone – not to exceed 85 dB(A) L_{eq} 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/Nm³ 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.

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- * 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)_{pk} 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 1st 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 1st 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 st January, 2003
	Displacement upto 80 cm ³	75	
	Displacement more than 80 cm ³ but upto 175 cm ³	77	
	Displacement more than 175 cm ³	89	
2.	Three Wheeler		1 st January, 2003
	Displacement upto 175 cm ³	77	
	Displacement more than 175 cm ³	80	
3.	Passenger Car	75	1 st January, 2003
4.	Passenger or Commercial Vehicles		1 st 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 1st April, 2005

Sr.No.	Type of vehicles	Noise Limits
1.0	Two Wheelers	
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	Three Wheelers	
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

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 31st 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 |

ANNEXURE IV

Annexure IV –Hourly Noise Levels during Metropolitan cities - 2016

Sr.	Location name	Mumbai 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
1.	Backside of High Court	72	71	78	73	72	75	71	76	78	81	83	83	68	68	68	74	69	66	74	79	77	75	74	72
2.	Mumbadevi Temple	72	73	79	75	73	72	72	73	79	75	73	72	57	66	71	69	66	60	75	79	79	76	72	71
3.	Borivali National Park	76	73	68	79	71	75	67	71	76	76	74	73	74	78	78	78	76	75	76	69	75	70	77	71
4.	Antop Hill	70	62	65	66	69	52	64	66	64	65	66	76	76	70	72	70	67	61	63	58	55	54	56	84
5.	Shivaji Park, Dadar	77	78	78	78	76	76	95	89	81	77	88	88	94	85	91	90	88	95	76	69	49	38	36	57
6.	Santacruz Airport	58	60	61	63	64	70	65	66	61	57	65	71	74	76	76	86	72	64	82	60	65	64	71	51
7.	Ghatkopar (W)	55	55	61	70	72	71	71	70	69	71	72	72	82	77	76	82	78	72	64	58	58	57	52	58
8.	Vashi Naka, Chembur	66	69	70	78	78	78	82	86	84	79	75	72	72	80	71	77	80	74	59	53	48	42	44	52
9.	Goregaon (E)	71	62	62	60	67	58	67	67	65	66	75	74	81	87	83	86	78	58	53	52	52	53	58	82
10.	Charkop, Kandivali	68	70	69	68	68	71	83	85	87	87	82	71	79	79	74	70	63	62	77	77	84	76	82	73

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.	Location name	Thane 10 th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
11.	Main Road-Gaondevi Mandir, Naupada	68	71	72	75	77	72	79	72	74	78	72	77	80	80	82	71	81	69	73	68	70	72	73	74
12.	Tembhi Naka	67	71	73	82	80	75	76	69	75	65	73	71	75	84	88	80	82	71	68	71	66	63	66	74
13.	Ghokhale Road	62	68	74	82	77	76	64	74	70	70	74	80	74	83	83	78	79	80	76	75	59	60	61	69
14.	Pokharan - Vartak Nagar	63	72	76	71	80	77	79	73	71	69	73	74	82	88	78	70	77	72	67	65	62	70	73	75
15.	Wagle Estate	77	72	71	68	64	70	65	68	67	74	75	73	81	79	72	76	80	83	71	77	68	61	65	70

Sr.	Location name	Pune 10 th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
16.	Nucleus Mall	58	63	64	71	74	75	79	78	75	75	76	79	79	79	80	77	65	59	51	48	47	44	46	52
17.	Pune University	60	62	64	64	66	68	69	66	64	64	68	69	70	70	66	65	64	58	52	49	48	45	47	52
18.	Aundh	55	57	61	71	76	76	72	72	71	78	74	76	80	73	69	64	65	61	50	49	46	46	48	50
19.	Karve Road	60	62	61	65	69	77	81	78	69	67	80	81	85	85	78	67	67	64	59	48	48	47	48	53
20.	Vishrantwadi	58	60	60	65	71	73	72	72	72	73	71	68	72	76	72	69	68	61	51	49	45	44	48	52

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.	Location name	Nashik 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
21.	Dwarka Circle	79	77	79	77	76	65	62	63	63	58	60	65	68	70	71	69	70	65	64	62	62	63	64	68
22.	Pandit Colony Near PMC	59	58	63	65	64	66	67	66	67	62	63	65	61	62	61	60	60	59	56	55	55	56	56	58
23.	Pavan Nagar CIDCO	45	48	51	60	58	60	63	64	61	57	61	58	63	56	57	57	59	63	62	61	60	58	62	63
24.	Bytco	76	78	77	76	65	62	63	63	69	70	63	62	68	73	70	64	63	62	61	60	58	62	63	63
25.	Udyog Bhavan, Satpur	77	75	72	73	69	69	63	62	63	62	63	61	66	64	62	60	60	63	62	61	60	58	62	63

Sr.	Location name	Aurangabad 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
26.	Ghati Hospital	71	72	74	73	74	74	75	77	75	73	73	75	77	80	84	73	72	68	66	60	57	55	58	62
27.	Nirala Bazaar	63	65	70	74	73	72	69	68	67	66	68	69	71	74	78	70	71	68	64	59	58	53	57	59
28.	CIDCO N-4	65	67	68	70	72	73	72	70	72	70	69	71	73	75	78	72	71	67	65	62	58	54	59	62

Sr.	Location name	Nagpur 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
29.	Govt. Medical College	53	57	57	57	62	62	62	63	66	65	67	71	68	62	60	57	55	53	50	45	40	39	37	44

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.		Nagpur 10th January, 2016 Sunday																									
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00		
30.	Sitabardi Police Station	64	69	70	71	72	71	72	73	73	76	74	79	73	73	72	70	69	67	58	56	51	54	63	64		
31.	Shivaji Nagar	51	59	59	61	64	66	64	63	61	61	63	62	66	68	62	61	60	57	42	42	39	41	48	59		
32.	Mahal	55	57	58	60	61	64	65	66	67	69	70	71	70	67	69	69	69	64	60	58	55	55	53	54		
33.	Sadar	55	59	61	63	64	64	63	69	63	60	64	62	64	63	63	58	61	60	58	49	44	44	42	46		

Sr.		Kalyan 10th January, 2016 Sunday																									
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00		
34.	Katemanivali	59	71	73	78	69	77	68	64	62	68	68	73	69	98	96	95	84	68	58	54	39	42	43	47		
35.	Birla College	60	59	64	71	70	72	65	61	60	69	72	72	66	68	68	72	61	66	57	56	47	44	49	59		
36.	Bail Bazar	74	72	73	76	80	52	71	60	62	57	75	74	71	74	78	74	64	61	74	76	67	74	70			

Sr.		Amravathi 10th January, 2016 Sunday																									
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00		
37.	Ervin Hospital Square	47	53	55	54	56	55	55	52	52	54	55	54	55	56	56	53	51	48	42	38	40	40	41	44		
38.	Budhwara	53	57	64	63	62	66	66	67	65	61	65	66	69	71	69	69	63	61	53	48	56	44	46	53		
39.	Rajkamal Chowk	53	61	63	68	72	77	76	72	70	70	70	76	74	76	72	70	62	60	58	56	56	59	60			

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

		Jalgaon 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
40.	Near Civil Hospital	61	63	67	69	70	71	71	70	69	66	68	68	71	72	73	71	68	67	66	65	63	63	65	66
41.	Shivaji Chowk	66	67	68	69	71	74	76	76	77	73	74	78	79	79	80	78	72	69	67	66	62	61	65	67
42.	Shashtri Tower Chowk	67	68	69	71	71	73	75	77	78	77	77	77	79	81	82	79	76	73	70	68	64	64	67	67

		Kolhapur 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
43.	Collector Office	49	44	60	67	68	72	75	75	68	70	71	76	77	78	73	76	69	64	57	48	55	48	48	50
44.	Shahupuri	69	60	68	70	79	71	77	72	72	76	81	76	72	74	66	71	75	56	52	51	50	51	55	64
45.	Dasara Chowk	46	54	58	67	71	73	71	73	74	69	73	75	67	71	74	77	70	62	64	48	46	47	47	51
46.	Tararani Putala	53	55	64	66	73	72	74	57	71	56	58	74	64	56	65	61	61	59	45	49	50	50	55	54
47.	Shivaji Chowk	48	53	56	65	69	75	70	66	69	75	71	74	70	75	78	79	69	59	47	54	54	55	48	54

		Sangli 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
48.	Harbhat Road	54	59	67	72	61	77	69	78	75	79	65	67	72	73	73	75	65	55	45	47	46	44	51	51

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.	Location name	Sangli 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
49.	Rajwada Chowk	53	58	68	71	72	73	75	72	79	78	77	79	77	81	78	69	58	53	49	49	53	53	51	51
50.	Miraj Market	56	64	69	76	74	79	70	79	74	71	77	81	80	82	80	61	53	50	50	48	50	55	50	56

Sr.	Location name	Mira-Bhayander 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
51.	Bhakti Vedant Hospital, Tenkar pada	75	77	71	66	68	57	83	82	78	87	78	75	59	56	56	59	61	60	59	60	63	63	70	77
52.	Golden police Chawki	81	72	92	75	79	84	72	76	87	85	74	65	61	59	57	55	57	57	71	79	82	74	74	79
53.	Shivaji Chak Kashi meera	67	70	72	74	72	71	71	71	73	76	72	76	73	75	75	74	75	71	90	91	93	87	96	92

Sr.	Location name	Vasai-Virar 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
54.	Range office, Satwali, Vasai East	81	83	90	83	78	77	76	77	77	69	78	74	77	78	80	79	73	68	85	83	85	87	82	76
55.	Valiv phata, Vasai East	72	75	75	72	77	68	73	65	66	69	76	73	70	71	80	69	72	61	79	83	78	78	77	94
56.	N.B. Estate, Virar West	57	62	62	65	68	72	70	67	73	74	74	71	75	78	75	78	80	71	61	55	55	54	56	61

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.		Ulhasnagar 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
57.	Gaol Maidan (Commcial & Residential)	68	73	74	77	86	94	86	83	74	72	83	81	77	72	71	68	61	63	82	86	84	79	75	72	
58.	Doodh Naka, Ulhasnagr sector 5	69	73	80	81	76	71	77	79	89	76	74	70	68	65	63	65	65	70	59	59	48	48	50	54	
59.	CHM college	62	76	69	79	77	76	72	70	71	77	78	68	83	85	86	86	82	72	78	76	81	74	70	58	

Sr.		Bhiwandi-Nizampur 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
60.	Dhamankar Naka	61	70	71	72	72	73	73	74	70	70	70	72	74	77	80	78	77	70	59	54	53	50	40	39	
61.	Indira Gandhi Memorial Hospital	65	72	63	71	72	72	72	73	75	73	72	73	72	70	76	78	77	69	66	64	65	70	68		
62.	Shelar Near Nadi naka	57	58	62	60	69	62	63	64	63	65	66	68	71	72	74	74	72	69	59	43	43	43	44	50	

Sr.		Chandrapur 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
63.	Warora Naka	75	73	77	75	76	78	77	77	76	74	73	76	83	78	73	72	70	65	62	58	55	54	63	69	
64.	Jetpura Gate	64	72	73	74	75	75	74	77	74	73	75	76	82	78	75	75	68	62	60	49	45	48	61	65	
65.	Gandhi Chowk	57	62	65	67	73	75	75	74	72	70	71	70	68	67	65	60	62	58	54	44	45	43	57	59	

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.		Nanded-Waghala 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
66.	Dr. Shankarao Chavan Govt. Medical College & Hospital Vishnupuri	55	57	65	67	76	77	76	74	75	77	78	75	71	78	74	71	56	54	52	49	49	47	48	53	
67.	District Court Station Road	56	61	63	65	68	70	67	69	70	68	68	71	72	70	68	67	65	64	60	56	50	50	52	54	
68.	Govt. Polytechnic College	55	56	59	61	64	67	67	71	66	69	71	71	70	66	63	60	58	56	53	52	49	49	50	52	

Sr.		Ahmednagar 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
69.	KotalaChawk	60	57	66	66	73	72	63	61	71	66	62	70	61	71	60	60	58	57	61	61	61	65	67	65	
70.	Chitale Road	59	59	62	66	62	65	64	69	67	70	65	66	72	62	60	60	55	54	53	57	55	62	65	66	
71.	Old Bus Stand	60	58	64	71	72	74	71	73	61	65	62	71	75	65	65	55	61	61	61	56	61	71	68	67	

Sr.		Dhule 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
72.	Agrasen Chawk	65	70	67	69	71	69	71	75	74	66	67	65	66	63	69	64	67	56	64	67	64	62	64	63	
73.	Fulwala Chawk	67	69	76	71	69	79	85	77	72	69	74	63	66	67	65	68	64	67	66	54	61	62	66	70	

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.	Location name	Dhule 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
74.	Santoshi Mata Chawk	65	74	72	54	72	72	70	66	70	69	73	79	67	65	64	68	66	66	57	64	63	64	68	68

Sr.	Location name	Malegaon 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
75.	Mosampul	66	64	62	64	70	67	70	78	78	77	74	77	79	78	63	65	63	64	63	67	67	80	77	77
76.	Central Bus Stand	67	70	73	67	66	64	62	80	78	75	66	64	63	78	79	73	79	77	63	64	63	65	62	74
77.	Malegaon Camp	67	66	64	62	80	78	67	70	70	75	66	64	63	78	79	73	78	75	66	63	64	66	64	70

Sr.	Location name	Pimpri-Chinchwad 10th January, 2016 Sunday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
78.	Kakade Angan	65	64	59	62	65	67	66	65	63	60	61	63	64	65	65	66	62	59	49	46	44	44	48	50
79.	Pimpri	74	73	78	77	78	80	77	82	76	77	79	75	78	78	78	74	71	69	54	49	48	46	52	55
80.	Bhosari	52	56	63	61	69	68	61	68	63	61	60	71	72	73	64	63	56	58	49	46	46	45	52	52

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.		Parbhani 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
81.	Shaniwar Bazar	57	60	60	63	64	66	68	70	66	68	69	71	72	73	69	65	61	57	54	50	49	47	50	54	
82.	Railway Station Court	53	58	60	60	61	63	66	65	67	69	70	70	69	70	70	65	61	57	54	51	50	49	52	52	
83.	Civil Hospital	56	56	58	60	61	63	64	65	68	69	69	71	70	69	66	61	58	57	54	51	48	47	50	51	

Sr.		Latur 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
84.	Shahu College	58	54	71	62	64	58	57	59	69	72	79	67	72	68	66	63	64	61	60	54	51	50	52	56	
85.	Civil Hospital	58	56	59	61	64	66	69	65	72	69	73	74	76	79	79	60	56	54	52	55	52	49	54	56	
86.	CJM Court	56	59	56	61	79	70	72	76	83	78	77	81	79	81	79	74	68	64	56	51	50	49	53	54	

Sr.		Akola 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
87.	Collector Office	48	52	53	57	69	64	67	70	72	70	65	69	73	70	67	66	60	57	55	51	50	51	68	65	
88.	Civil line Chawk / Ratanlal plot	50	52	55	59	61	65	69	71	73	68	67	70	73	75	67	65	62	58	55	52	51	51	49	51	
89.	City Kotawali Chawk near police station	52	54	55	58	61	67	72	75	78	74	72	73	75	73	71	69	66	62	60	56	53	52	51	51	

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.		Sholapur 10th January, 2016 Sunday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
90.	Shivaji Chowk	69	70	79	73	78	78	84	94	94	94	92	92	88	94	96	95	76	79	66	64	55	53	55	55	79
91.	Parak Chowk	61	58	73	85	67	73	73	69	67	62	67	77	67	79	65	70	55	48	50	47	39	43	56	55	
92.	Civil Line	59	63	69	65	75	76	66	68	68	73	76	75	79	75	74	68	65	54	47	48	50	52	53	59	

Sr.		Mumbai 11th January, 2016 Monday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
93.	Backside of High Court	64	66	67	69	68	69	64	67	62	67	66	69	70	71	68	68	61	54	53	58	60	59	56	61	
94.	Mumbadevi Temple	56	72	76	72	74	69	68	64	64	72	73	80	72	77	76	72	67	62	60	54	54	51	54	55	
95.	Borivali National Park	65	57	55	57	66	65	62	65	62	66	68	70	71	78	88	79	78	57	55	41	41	60	39	47	
96.	Antop Hill	62	65	69	70	69	72	71	70	71	71	72	74	81	83	84	80	78	72	62	64	46	42	52	61	
97.	Shivaji Park, Dadar	51	70	66	67	77	66	69	67	68	68	68	70	72	72	75	73	66	59	52	44	41	40	53	62	
98.	Santacruz Airport	65	63	67	75	65	67	70	73	64	66	67	68	76	81	80	77	72	80	58	57	55	56	59	63	
99.	Ghatkopar (W)	48	53	56	56	55	57	62	61	61	67	63	69	62	71	70	66	61	49	48	37	35	38	44	46	
100.	Vashi Naka, Chembur	77	76	71	70	69	76	77	80	72	76	88	71	91	84	83	80	72	70	64	61	57	60	53	66	
101.	Goregaon (E)	67	69	73	74	69	71	72	73	73	68	72	75	74	76	82	89	92	77	62	56	51	50	50	54	

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.	Location name	Mumbai 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
102.	Charkop, Kandivali	66	66	78	77	79	80	83	84	85	85	86	88	71	74	72	72	69	77	74	61	60	61	62	64

Sr.	Location name	Thane 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
103.	Main Road- Gaondevi Mandir, Naupada	63	63	65	68	68	71	70	72	71	73	75	73	78	79	82	78	73	69	65	61	56	51	54	59
104.	Tembhi Naka	63	63	65	67	68	67	68	67	67	69	69	73	73	75	73	71	65	58	55	53	50	55	58	
105.	Ghokhale Road	64	67	69	69	71	69	68	68	69	70	71	72	70	67	71	70	69	66	63	58	55	50	57	62
106.	Pokharan - Vartak Nagar	58	59	57	58	59	60	59	58	59	58	59	61	69	75	75	66	63	56	52	46	45	44	47	57
107.	Wagle Estate	62	65	67	67	66	69	68	69	65	66	67	68	66	66	68	67	66	64	60	57	53	48	53	55

Sr.	Location name	Pune 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
108.	Nucleus Mall	59	60	65	68	69	71	72	66	64	67	69	70	73	73	69	62	65	62	49	49	46	44	47	56
109.	Pune University	59	63	69	71	71	69	66	65	65	64	66	70	71	72	70	65	65	58	53	48	47	45	47	53
110.	Aundh	57	55	63	70	66	65	58	59	58	67	71	77	73	74	71	63	65	59	48	50	46	44	49	53

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.		Pune 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
111.	Karve Road	58	61	63	60	63	65	57	71	74	60	71	80	81	77	70	62	64	60	59	49	48	48	45	54
112.	Vishrantwadi	59	60	61	62	64	65	64	63	64	62	59	65	64	62	66	61	67	62	52	50	46	42	44	55

Sr.		Nashik 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
113.	Dwarka Circle	80	79	78	76	77	70	70	68	67	67	65	67	70	71	72	70	70	67	66	65	64	63	66	70
114.	Pandit Colony Near PMC	48	51	51	60	59	60	61	63	60	58	59	58	60	57	58	57	58	60	62	63	58	57	59	60
115.	Pavan Nagar CIDCO	45	47	49	60	59	60	61	63	61	58	60	60	64	63	60	60	59	57	51	53	51	52	54	59
116.	Bytco	78	78	75	77	70	68	65	61	60	58	65	66	65	62	62	62	62	65	59	58	56	60	63	64
117.	Udyog Bhavan, Satpur	76	76	72	72	70	70	65	63	60	63	62	63	65	66	66	62	58	59	58	59	57	57	60	65

Sr.		Aurangabad 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
118.	Ghati Hospital	57	58	60	62	63	68	66	67	63	68	66	67	68	65	63	60	57	58	52	55	51	49	53	55
119.	Nirala Bazaar	59	60	65	71	68	69	67	70	72	69	71	75	72	72	70	68	66	65	60	57	55	50	55	57
120.	CIDCO N-4	56	59	62	65	67	68	70	68	65	65	69	70	70	70	69	66	59	57	58	55	52	48	52	56

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.	Location name	Nagpur 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
121.	Govt. Medical College	47	58	58	63	65	67	67	69	71	70	72	69	68	64	63	61	52	51	44	40	36	36	37	42
122.	Sitabardi Police Station	63	70	73	73	74	75	75	76	75	73	74	78	72	72	71	72	69	65	64	63	58	57	54	63
123.	Shivaji Nagar	64	66	61	65	64	64	63	65	65	65	67	67	70	71	69	60	54	50	42	39	37	40	44	47
124.	Mahal	52	53	54	57	60	63	64	65	67	67	67	69	69	69	70	69	69	62	60	59	58	57	54	54
125.	Sadar	54	59	61	63	65	64	64	63	64	64	63	63	61	69	70	68	58	61	59	53	45	44	44	52

Sr.	Location name	Kalyan 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
126.	Katemanivali	49	55	55	59	66	73	79	80	72	66	70	81	84	87	76	80	76	68	54	56	52	45	43	49
127.	Birla College	47	56	59	67	73	80	69	71	70	56	76	68	77	82	83	81	77	70	59	48	45	46	48	53
128.	Bail Bazar	63	65	65	70	79	83	83	71	73	76	75	78	77	85	81	77	73	66	59	53	50	54	54	65

Sr.	Location name	Amravathi 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
129.	Ervin Hospital Square	51	52	52	53	55	55	55	53	53	52	53	54	55	55	55	49	53	48	44	38	38	37	39	43

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.	Location name	Amravathi 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
130.	Budhwara	50	56	61	66	63	65	64	69	64	62	64	66	71	74	68	66	61	58	51	46	42	42	43	49
131.	Rajkamal Chowk	57	60	63	66	71	76	79	78	75	72	72	73	76	77	75	74	70	65	60	57	55	53	56	59

Sr.	Location name	Jalgaon 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
132.	Near Civil Hospital	64	63	65	68	71	71	70	70	70	68	70	67	70	69	68	66	65	62	63	64	63	62	64	65
133.	Shivaji Chowk	66	67	68	72	70	73	75	78	73	76	78	80	83	82	78	76	75	71	69	65	63	64	63	68
134.	Shashtri Tower Chowk	67	69	69	72	73	78	80	82	80	81	82	79	83	80	79	78	76	74	71	68	67	66	63	65

Sr.	Location name	Kolhapur 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
135.	Collector Office	41	51	53	61	70	65	75	69	63	71	70	74	76	78	65	60	60	61	48	46	46	45	49	51
136.	Shahupuri	62	65	67	65	72	75	73	74	68	73	79	71	70	69	64	73	69	53	48	46	49	47	45	55
137.	Dasara Chowk	49	55	65	66	72	70	66	59	65	59	62	66	71	72	73	65	59	62	49	45	45	44	47	49
138.	Tararani Putala	53	57	63	64	65	75	75	62	72	63	60	69	63	59	62	59	60	60	48	47	76	48	56	57
139.	Shivaji Chowk	57	53	51	65	61	68	73	71	64	72	70	71	69	71	76	77	70	59	47	45	45	48	45	50

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

		Sangli 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
140.	Harbhat Road	50	57	65	68	64	64	66	83	79	80	86	82	85	85	79	83	69	59	45	47	42	41	43	53
141.	Rajwada Chowk	51	49	57	69	67	59	53	77	80	77	78	85	85	88	80	80	60	57	49	51	47	47	50	55
142.	Miraj Market	55	61	56	62	70	62	64	78	82	74	85	88	83	83	81	62	54	52	48	47	47	49	49	55

		Mira-Bhayander 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
143.	Bhakti Vedant Hospital, Tenkar pada	60	58	65	62	58	71	65	59	65	62	58	60	65	60	62	65	67	65	60	57	57	57	57	57
144.	Golden police Chawki	74	77	80	78	73	75	76	78	72	74	77	78	83	79	72	77	72	61	63	59	51	63	57	61
145.	Shivaji Chak Kashi meera	71	70	73	75	70	71	72	70	66	62	71	72	73	73	82	86	88	81	47	43	43	40	42	54

		Vasai-Virar 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
146.	Range office, Satwali, Vasai East	70	75	75	86	81	82	67	71	71	71	66	73	75	69	68	68	61	57	51	51	49	50	53	54
147.	Valiv phata, Vasai East	78	80	78	78	86	81	81	78	76	71	77	71	85	86	86	82	77	69	58	55	46	57	47	48
148.	N.B. Estate, Virar West	65	80	77	75	74	76	74	67	72	62	83	82	72	70	70	70	64	69	74	64	56	66	53	55

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.		Ulhasnagar 11th January, 2016 Monday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
149.	Gaol Maidan (Commcial & Residential)	64	73	69	79	73	79	68	66	67	69	64	69	77	78	76	71	43	43	40	77	66	55	46	62	
150.	Doodh Naka, Ulhasnagr sector 5	57	65	77	84	96	68	89	64	65	71	90	88	77	88	87	75	65	57	79	70	84	64	56	67	
151.	CHM college	79	62	64	65	70	73	63	69	79	73	79	66	67	69	83	85	69	56	66	53	49	50	53	73	

Sr.		Bhiwandi-Nizampur 11th January, 2016 Monday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
152.	Dhamankar Naka	61	64	65	66	61	67	65	65	67	62	63	65	67	78	79	79	71	76	64	61	60	62	61	64	
153.	Indira Gandhi Memorial Hospital	57	57	62	61	60	66	62	65	68	71	64	58	75	74	80	64	71	56	60	60	52	49	48	57	
154.	Shelar Near Nadi naka	57	58	60	57	57	63	64	69	63	65	62	58	60	61	76	63	68	63	55	54	59	44	54	50	

Sr.		Chandrapur 11th January, 2016 Monday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
155.	Warora Naka	68	80	82	83	82	82	82	82	85	82	81	83	80	78	80	78	70	68	61	61	59	65	60	64	
156.	Jetpura Gate	73	78	92	92	95	95	90	91	91	91	92	93	87	84	78	78	69	64	59	49	47	52	60	68	
157.	Gandhi Chowk	67	67	75	73	76	72	75	75	73	72	75	75	73	75	70	75	68	65	57	56	51	50	49	67	

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.		Nanded-Waghala 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
158.	Dr. Shankarao Chavan Govt. Medical College & Hospital Vishnupuri	57	58	60	65	73	74	76	73	74	75	73	72	70	71	72	69	60	58	54	51	50	48	53	55
159.	District Court Station Road	55	56	59	66	70	72	74	75	77	69	65	68	71	68	64	64	63	59	58	56	51	48	52	53
160.	Govt. Polytechnic College	52	52	57	60	62	64	66	67	69	68	66	64	67	66	62	61	59	55	53	51	49	47	50	52

Sr.		Ahmednagar 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
161.	KotalaChawk	64	61	65	70	69	62	67	71	63	66	65	69	68	69	62	62	64	63	61	65	59	69	65	68
162.	Chitale Road	65	61	72	66	74	64	62	71	70	65	68	63	67	63	62	62	60	58	59	59	61	63	64	67
163.	Old Bus Stand	63	60	68	64	65	67	69	65	63	69	65	69	69	68	62	61	65	63	60	65	66	66	67	73

Sr.		Dhule 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
164.	Agrasen Chawk	60	67	73	73	74	77	63	66	75	79	71	68	66	67	66	66	67	63	66	65	66	65	67	65
165.	Fulwala Chawk	61	69	71	75	76	76	66	66	67	63	70	70	64	68	65	74	74	70	56	54	67	62	56	58

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.	Location name	Dhule 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
166.	Santoshi Mata Chawk	65	75	87	74	70	66	71	75	69	69	77	72	66	72	64	63	67	63	68	66	65	65	69	66

Sr.	Location name	Malegaon 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
167.	Mosampul	67	70	77	66	64	62	64	64	78	79	78	63	77	73	80	77	80	77	67	65	63	64	63	67
168.	Central Bus Stand	66	64	62	80	67	70	70	67	76	75	75	66	79	78	73	79	77	64	63	63	65	63	64	63
169.	Malegaon Camp	62	67	66	67	64	75	80	78	70	70	78	66	64	63	79	73	79	77	66	64	63	65	63	63

Sr.	Location name	Pimpri-Chinchwad 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
170.	Kakade Angan	60	62	64	63	62	66	68	66	64	60	63	62	63	64	66	67	61	59	48	47	43	45	47	50
171.	Pimpri	60	70	78	77	77	80	78	80	77	78	76	75	76	79	80	78	66	68	49	48	49	46	49	56
172.	Bhosari	56	56	62	62	70	70	62	68	66	66	70	73	72	76	65	63	59	57	47	44	45	44	51	57

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.		Parbhani 11th January, 2016 Monday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
173.	Shaniwar Bazar	52	57	62	65	69	66	70	71	73	74	68	71	72	75	69	67	63	65	54	52	49	49	53	57	
174.	Railway Station Court	55	53	58	62	63	66	67	69	71	74	65	70	68	68	66	64	62	57	56	53	50	48	51	53	
175.	Civil Hospital	52	53	55	57	61	62	65	66	70	71	72	72	70	68	65	61	60	57	53	50	47	48	50	53	

Sr.		Latur 11th January, 2016 Monday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
176.	Shahu College	55	58	57	61	69	67	69	71	73	68	73	62	70	66	61	65	59	51	56	52	50	49	54	52	
177.	Civil Hospital	53	56	62	68	65	63	62	65	67	69	71	76	72	70	80	65	60	56	56	52	49	49	53	53	
178.	CJM Court	54	51	59	54	65	68	71	72	72	70	76	78	74	70	69	68	63	62	61	55	53	51	54	55	

Sr.		Akola 11th January, 2016 Monday																								
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00	
179.	Collector Office	45	49	52	55	68	62	65	69	72	70	64	67	73	68	64	65	59	59	55	52	53	51	65	64	
180.	Civil line Chawk / Ratanlal plot	48	52	54	58	60	64	68	71	73	69	69	69	73	74	67	64	62	57	55	53	52	51	49	51	
181.	City Kotawali Chawk near police station	50	55	57	57	60	67	72	77	78	72	73	75	75	73	69	69	64	62	61	55	53	51	52	51	

DRAFT REPORT ON AMBIENT NOISE MONITORING METROPOLITAN CITIES - 2016

Sr.	Location name	Sholapur 11th January, 2016 Monday																							
		06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	00:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00	04:00 - 05:00	05:00 - 06:00
182.	Shivaji Chowk	59	70	76	70	85	85	91	90	91	83	85	89	83	97	85	75	75	70	65	56	57	55	64	78
183.	Parak Chowk	56	49	69	75	74	75	78	75	75	76	78	76	77	74	74	67	56	48	45	43	39	52	45	54
184.	Civil Line	68	71	75	76	72	77	75	69	71	72	75	74	75	75	79	72	70	69	58	51	50	49	57	59