



REPORT ON AMBIENT NOISE MONITORING OF GANESH FESTIVAL- 2014



MAHARASHTRA POLLUTION CONTROL BOARD

KALPATARU POINT, 3RD FLOOR, SION (EAST),
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FOREWORD

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MAHARASHTRA POLLUTION CONTROL BOARD

Ganesh Festival is one of the main festivals in Maharashtra. Large numbers of people participate in the immersion procession culminating the 10 days festival. Vocal music and musical instruments during the festival often lead to high levels of noise. Since last few years Maharashtra Pollution Control Board is monitoring ambient noise levels in Ganesh Festival Period.

This report is based on the extensive noise monitoring study conducted by Maharashtra Pollution Control Board at 89 locations all over Maharashtra for the 5 days period during Ganesh Festival i.e. on 29th & 30th August 2014 and 3rd, 6th & 8th September 2014 from 18.00 hrs. to 24.00 hrs continuously for 6 hours, except on 29th Aug' monitoring was done for 24hrs for each location, comprising residential, commercial and silence zones.

This report contains the methodology and observations made during the study. The noise levels were found to be exceeding the permissible limits in all cities and at almost all locations.

The data and the trends in variation in noise levels in different Metropolitan cities can help the authorities including police authorities and Municipal bodies to develop strategies and plan for the next year. The report is being placed on MPCB website for wider dissemination of information and for public awareness.

Field monitoring of this study was conducted by M/s.Ashwamedh Engineers and Consultants C S Ltd; Nashik and was supported by all Regional Offices of the Board in the field. The entire study work including planning, coordination and report preparation was done at APC division of the Board. The contributions of Shri V.M.Motghare, Joint Director and Shri S.C.Kollur, Scientific Officer are appreciated.


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Member Secretary

September, 2014

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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

Ganesh Festival is one of the biggest festival in Maharashtra, where the statues of Lord Ganesh is brought to homes, offices, buildings and even in areas in various shapes and sizes and kept for one and half to ten days as the each and everybody's preference and then immerse it in water. The arrangements of the festival begin three to four months prior starting with the making of Lord Ganesh's idols.



The idols of Lord Ganesh is mostly made of plaster of paris, which does not disintegrate easily and hence after immersion float in water and also the color used to decorate and make Ganesh idols attractive turns out poisonous and pollute the water. Also the noise pollution caused during this festival can also not be ignored. The main reason for the noise pollution during this festival is the sounds produced due to bands, music system, crackers, the crowd etc. which are mainly seen while bring the Ganesh for the festival and taking it to immersion. Also the daily bajans which is played using loud music system at mandals and various cultural activities which are carried out in the name of the festival also contribute to the increase in noise level.



Even though promotion of using Eco-friendly Ganesh idols and water and noise pollution less Ganesh festival is going on in an increasing manner, the improvement graph is growing in a very less manner.

About Noise

The relationship between Ganesh festival and Noise is very intensive, as unfortunately people do not stick to the prescribed noise level during the festival. Over time, the celebrations have been increasing in magnitude and in volume, with sound levels reaching a new high every year.

According to the World Health Organization (WHO), if sound levels exceed 85 decibels, then they could be harmful to human beings. Noise pollution can cause temporary and permanent damage to your health. The extent of the harm depends on the loudness and pressure of the noise as well as the amount of time for which the person has been exposed. While every individual's threshold for noise tolerance is different, children and senior citizens are much more sensitive to loud noises. Pets too have a very low tolerance.

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

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 log₁₀ 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 n equally spaced times during interval T.

In the present study, hourly and day wise L_{eq} has been calculated to compare the results obtained from various locations.

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 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 3.1: 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-I**.

Ambient Noise Monitoring during Ganesh Festival - 2014

In order to assess the ambient noise levels in the environment during Ganesh festival period, Maharashtra Pollution Control Board (MPCB) has taken initiative to carry out Noise monitoring at 85 locations all over Maharashtra for 5 days period during Ganesh Festival i.e. on 29th& 30th August and 3rd, 6th& 8thSeptember 2014for 24 hours on the first day of monitoring and from 6 PM to 12 AM in the remaining four days for each location which comprise of residential, commercial and silence zone. 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 monitoring was carried out at a distance from Ganesh Pandals, closer to the residential buildings. The main purpose of this exercise was to determine how the environment is disturbed and what effect it has on a normal human being

residing in that area or closer to the area. Total 89 locations were covered under 12 major cities of Maharashtra for the present study. The 12 cities covered are:

Table 5.1: Noise Monitoring Locations in Maharashtra during Ganesh Festival: 2014.

Sr. No.	City	Number of locations
1	Mumbai	25
2	Navi Mumbai	05
3	Thane	09
4	Pune	20
5	Nashik	05
6	Aurangabad	05
7	Nagpur	05
8	Kalyan	03
9	Amravati	03
10	Jalgaon	03
11	Kolhapur	03
12	Satara	03
TOTAL		89

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

Results

*(Hourly Noise Levels on 29th& 30th August and 3rd, 6th& 8th September, 2014 during Ganesh Festival at different locations in Maharashtra is given in **Annexure V**)

I. Noise Levels on 29th August, 2014

On this day Ganesh idols were taken to mandals, homes, offices, society's etc. where the Lord is worshipped with great devotion and prayer services are performed daily. The Ganesh idols are taken covering its face and accompanied by much singing and dancing.



1. Mumbai

The noise level at Mumbai on the first day of monitoring both during day time and night time is high when compared with the Standards of Noise Levels under EPA (1986): Noise Pollution (Regulation & Control) Rules, 2000. The maximum noise level during day time of 98 dB(A) was observed near Juhu Chowpati and minimum noise level of 48 dB(A) was observed at Bhandup. The maximum noise level of 91 dB(A) during night was observed at Chembur (East) and minimum noise level of 42 dB(A) was observed at Khar.

The maximum average noise level during day time of 80 dB(A) and during night time of 83 dB(A) was observed at Byculla and Chinchpokali (East) respectively.

Table 6.1: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Mumbai

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Andheri	84	49	68	79	74	77
Bandra	96	61	77	68	58	63
Bhandup	95	48	65	62	42	50
Borivali	82	65	71	89	44	60
Byculla	96	67	80	75	59	68
Chembur (E)	80	52	70	91	56	70
Chembur (W)	84	69	76	81	60	69

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Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Chinchpokali (E)	83	57	72	90	77	83
Chinchpokali (W)	84	70	78	87	62	74
Dadar (E)	82	58	68	81	60	67
Dadar (W)	76	67	73	82	66	73
Elphinstone	70	57	65	71	60	67
Ghatkopar	96	60	68	66	44	55
Girgaon Chowpati	87	69	76	82	57	72
Grant Road	86	64	75	85	69	77
Juhu Chowpati	98	59	74	76	45	63
Kandivali (E)	78	51	65	60	54	57
Kandivali (W)	81	60	72	68	58	63
Khar	79	74	76	62	42	50
Mulund	90	72	75	89	44	60
Mumbai Central	87	72	79	72	62	68
Parel	81	67	76	83	60	70
Santacruz (E)	83	68	75	78	63	72
Vikhroli	88	65	74	90	49	79
Wadala	73	50	63	75	61	69

Chart 6.1: Hourly Noise levels on 29th August, 2014 in Mumbai (Day Time)

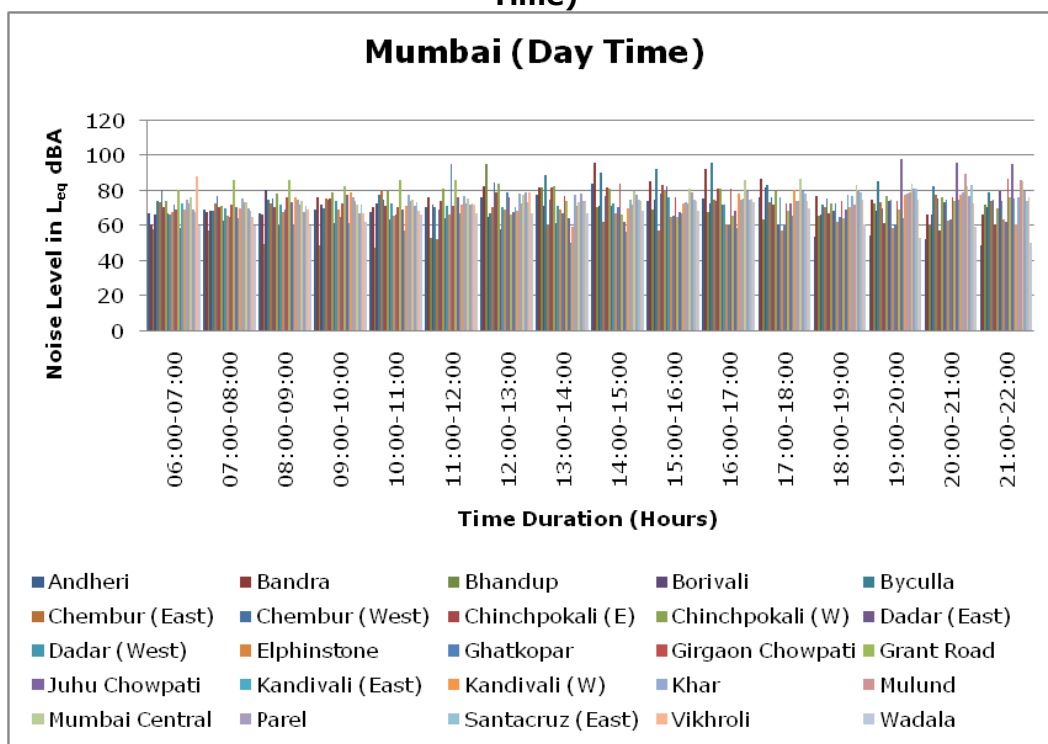
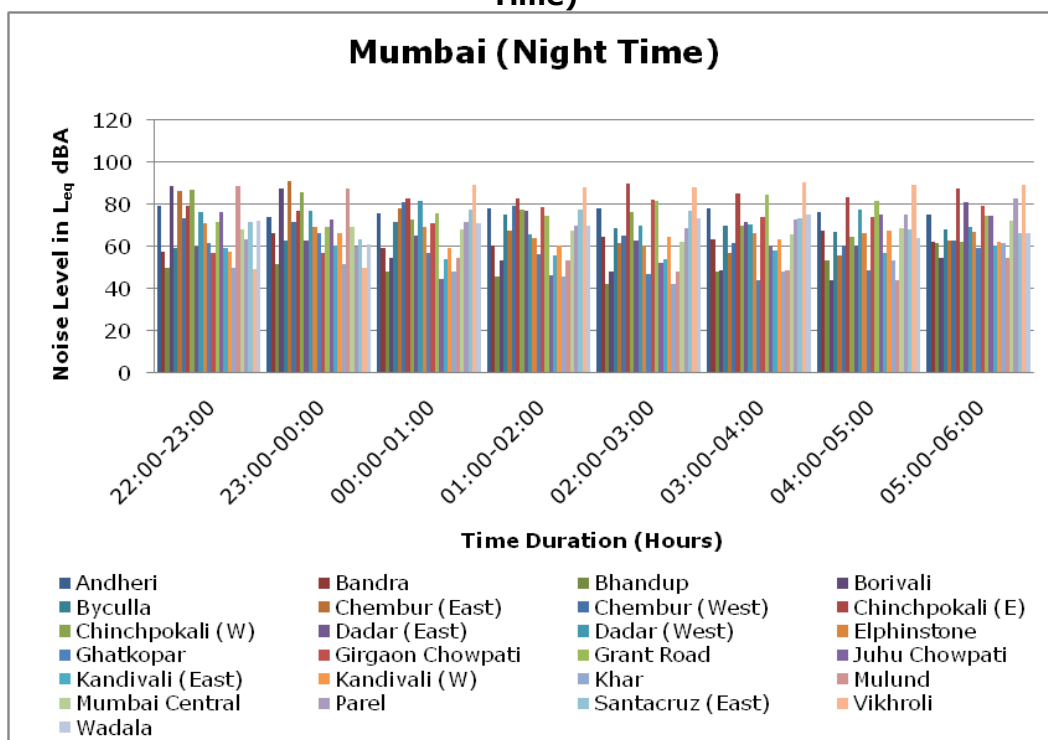


Chart 6.2: Hourly Noise levels on 29th August, 2014 in Mumbai (Night Time)



2. Navi Mumbai

The noise level in all locations monitored in Navi Mumbai was found to be very high on the first day of Ganesh festival. The maximum noise level during day time

was observed at CBD Belapur with 94 dB(A) and minimum noise level of 60 dB(A) was observed both at Kopar Khairane and Vashi. At night time the maximum and minimum noise level of 96 dB(A) and 45 dB(A) was observed at Vashi and Uran respectively. The highest average noise level of 81 dB(A) was observed at Airoli during day time and 72 dB(A) was observed at Airoli and Vashi during night time.

Table 6.2: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Navi Mumbai

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Airoli	90	69	81	79	64	72
CBD Belapur	94	61	78	74	63	70
Kopar Khairane	81	60	72	76	58	67
Uran	93	72	78	72	45	58
Vashi	75	60	69	96	60	72

Chart 6.3: Hourly Noise levels on 29th August, 2014 in Navi Mumbai (Day Time)

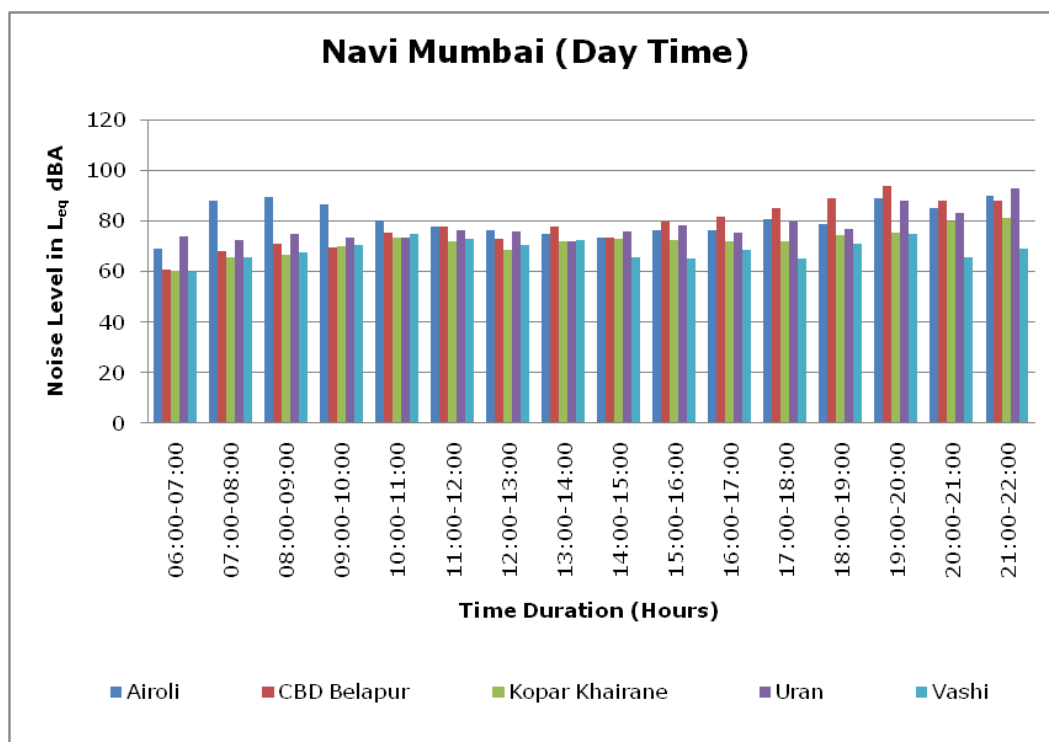
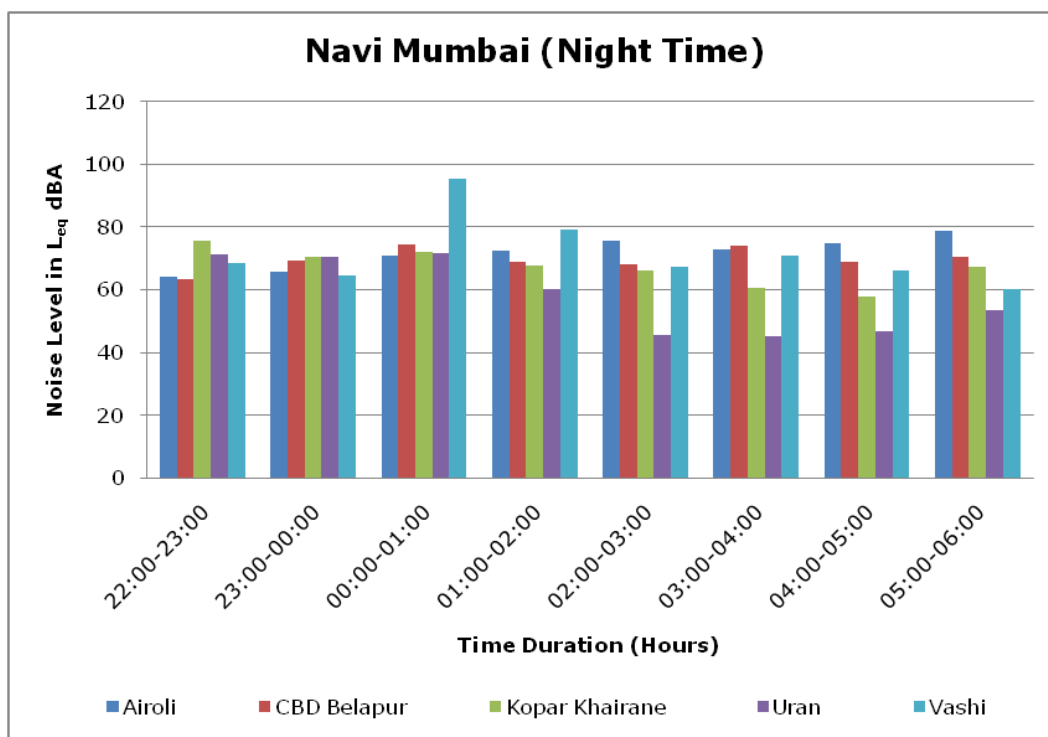


Chart 6.4: Hourly Noise levels on 29th August, 2014 in Navi Mumbai (Night Time)



3. Thane

The noise level in even in the silent zone locations monitored in Thane during first day of Ganesh festival were found exceeding the standard Noise levels with a great difference.

The maximum noise level during day time was observed at Mental hospital which is a silent zone with 95 dB(A) and minimum noise level of 60 dB(A) was observed at Wagle estate. At night time both the maximum and minimum noise level of 84dB(A) and 39 dB(A) was observed at Jambli Naka. The highest average noise level of 80dB(A) was observed at kalwa during day time and 79 dB(A) was observed at Gokhale road during night time.

Table 6.3: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Thane

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Gokhale Road	82	64	74	83	72	79
Jambli Naka	78	66	71	84	39	54
Naupada	84	64	76	67	44	52
Vartak Nagar Chowk	84	69	76	57	45	52
Wagle Estate-	80	60	71	62	42	51

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Court Naka	80	65	74	67	54	60
Mental Hospital	95	62	70	68	54	59
Bedekar Hospital	78	69	73	68	48	55
Kalwa	89	71	80	72	42	51

Chart 6.5: Hourly Noise levels on 29th August, 2014 in Thane (Day Time)

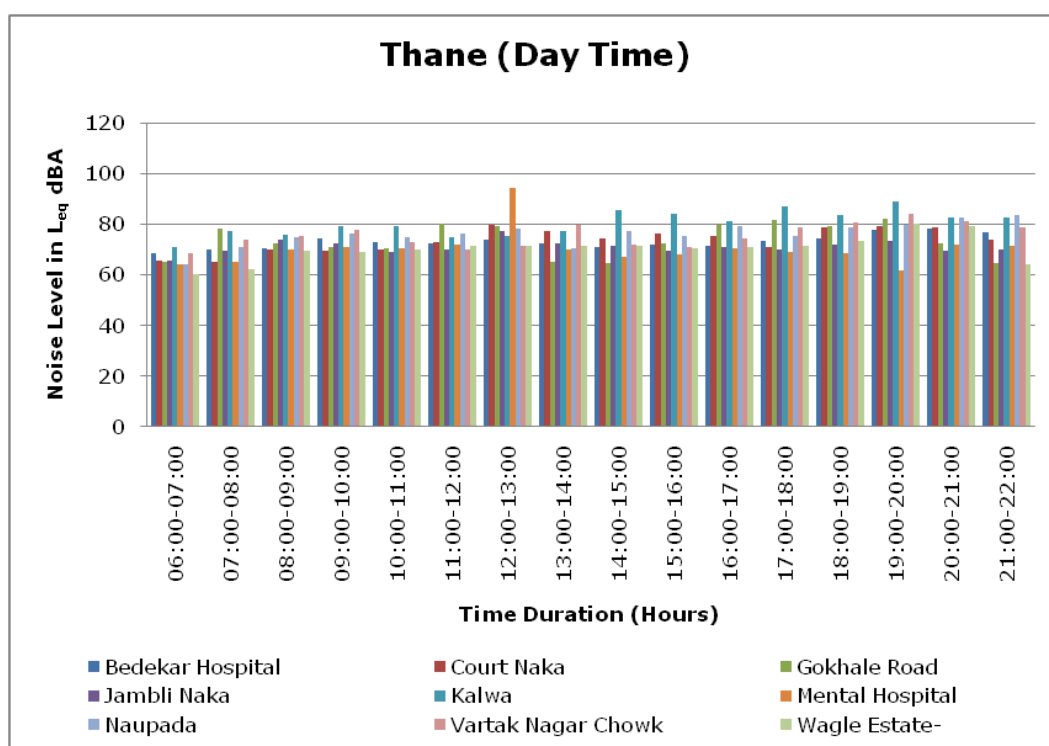
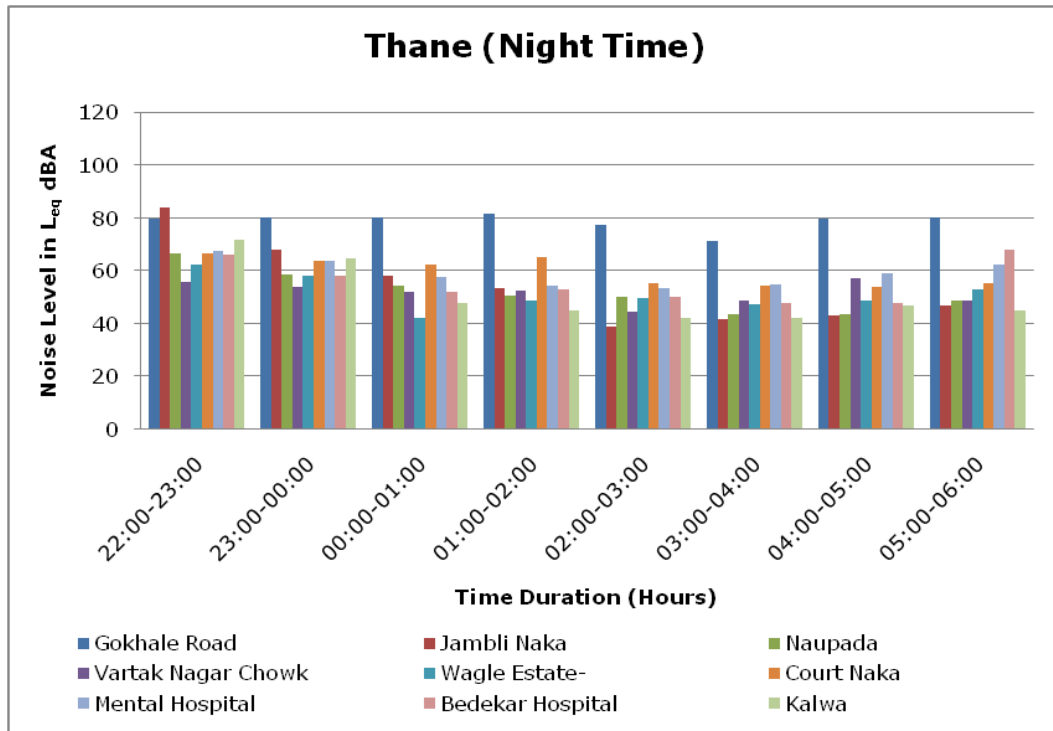


Chart 6.6: Hourly Noise levels on 29th August, 2014 in Thane (Night Time)



4. Pune

The noise level in Pune during Ganesh festival in many location have gone beyond 100 dB(A) proving the city noisy.

The maximum noise level during day time was observed at Mahatma Phule Madai 105 dB(A) and minimum noise level of 45 dB(A) was observed at Parvati. At night time the maximum noise level of 78 dB(A) was observed at Thergaon and the minimum noise level of 48 dB(A) was observed both at Mahatma Phule Madai, Hadapsar and Khadaki. The highest average noise level of 82 dB(A) was observed at Laxmi Road during day time and 63 dB(A) was observed at Swar Gate road during night time.

Table 6.4: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Pune

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Shivaji Nagar	83	59	76	74	55	62
Karve Road	89	56	75	69	51	56
Swar Gate	86	53	80	76	54	63
Satara Road	87	50	72	64	49	55
Shaniwar Peth	86	70	77	73	50	60

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Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Yerawada	81	55	72	73	50	60
Laxmi Road	101	56	82	60	50	53
Kothrud	82	51	70	63	49	53
Mahatma Phule Madai	105	56	76	56	48	51
Sarus Baug	85	50	73	64	49	54
Hadapsar	86	52	73	72	48	55
Parvati	87	45	72	61	49	52
Koregaon Park	94	66	80	71	49	57
Khadaki	83	50	75	68	48	54
M G Road	85	47	74	72	49	58
Chapekar Chowk	90	60	81	76	50	60
Pimpri	82	64	74	73	53	61
Thergaon	87	59	79	78	50	60
Navi Sangavi	83	56	72	76	50	59
Bhosari Gavthan	82	63	72	69	49	57

Chart 6.7: Hourly Noise levels on 29th August, 2014 in Pune (Day Time)

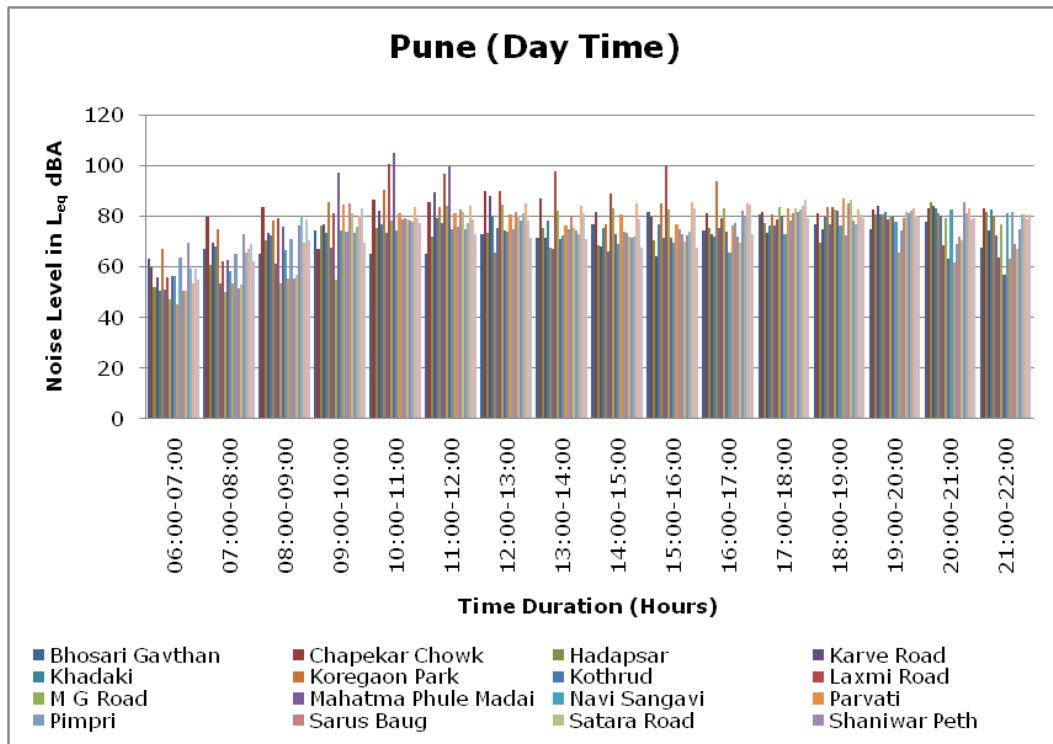
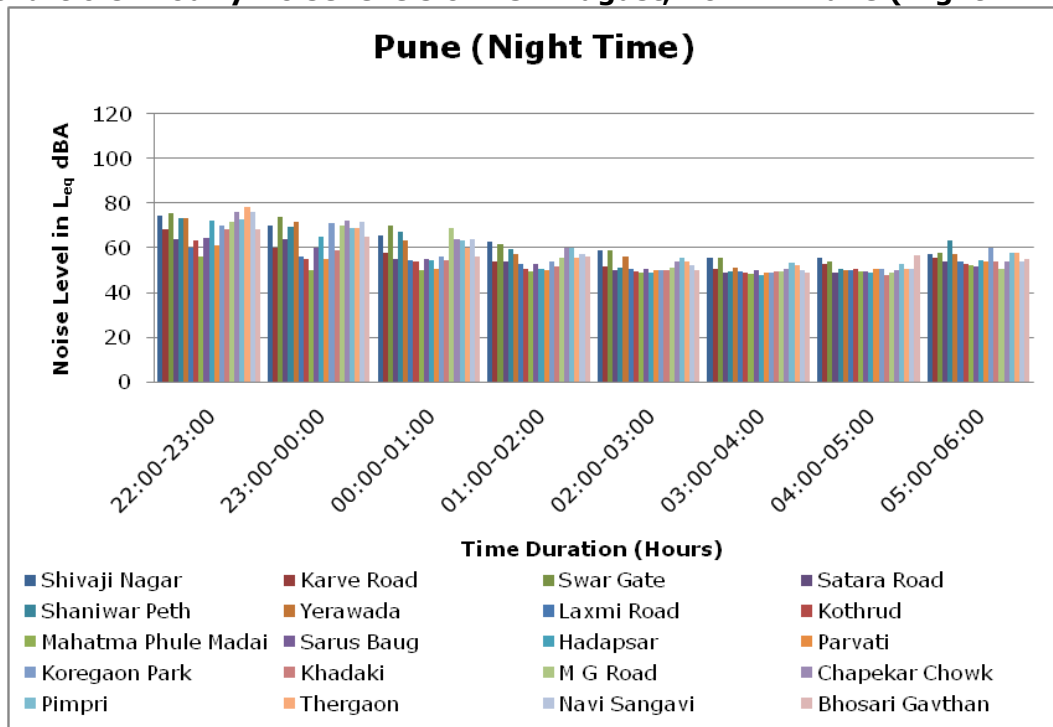


Chart 6.8: Hourly Noise levels on 29th August, 2014 in Pune (Night Time)



5. Nashik

The noise level in Nashik was also very high during the first day of Ganesh festival. The maximum noise level during day time and night time was observed Panchvati and CBS during day time and night time respectively. The minimum noise level during day time is observed at Dahi Pool and during night time is

observed at Nashik road. The average noise level in the locations monitored was also high with highest average noise level during day time and night time at Nashik road and Panchvati respectively.

Table 6.5: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Nashik

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Nashik Road	98	70	90	87	57	75
Panchvati	101	74	86	91	71	84
CBS	90	62	74	93	59	77
CIDCO	86	61	72	89	62	71
Dahi Pool	84	53	72	88	65	76

Chart 6.9: Hourly Noise levels on 29th August, 2014 in Nashik (Day Time)

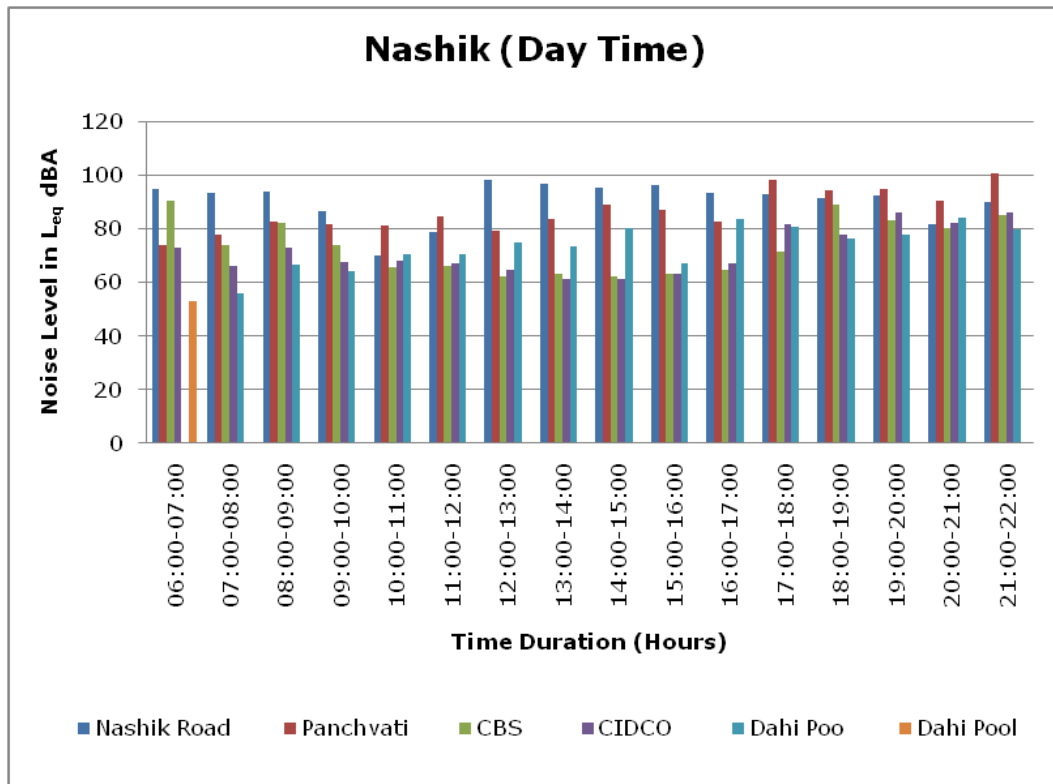
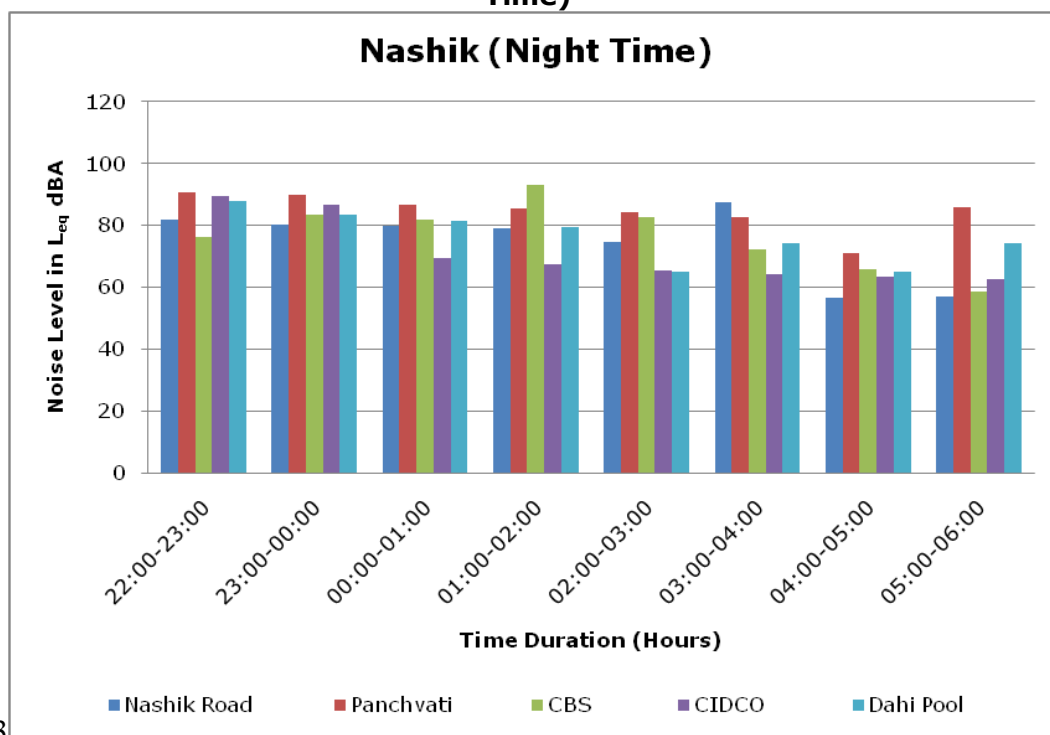


Chart 6.10: Hourly Noise levels on 29th August, 2014 in Nashik (Night Time)



6. Aurangabad

The noise level in Aurangabad ranged between 70 to 80 dB(A) during the noise monitoring on 29th August. The maximum noise level both during day time and night time was observed at Gulmandi with 80 dB(A) and 69 dB(A) respectively. The minimum noise level both during day time and night time was observed at CIDCO residential with 58 dB(A) and 45 dB(A) respectively. The maximum average day time and night time noise level was observed at Gulmandi with 76 dB(A) and Kranti Chowk with 64 dB(A).

Table 6.6: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Aurangabad

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Gulmandi	80	70	76	69	53	62
City Chowk	78	67	73	67	54	61
Kranti Chowk	79	69	75	68	57	64
CIDCO Residential	73	58	65	60	45	52
Usmanpura	74	63	69	63	48	55

Chart 6.11: Hourly Noise levels on 29th August, 2014 in Aurangabad (Day Time)

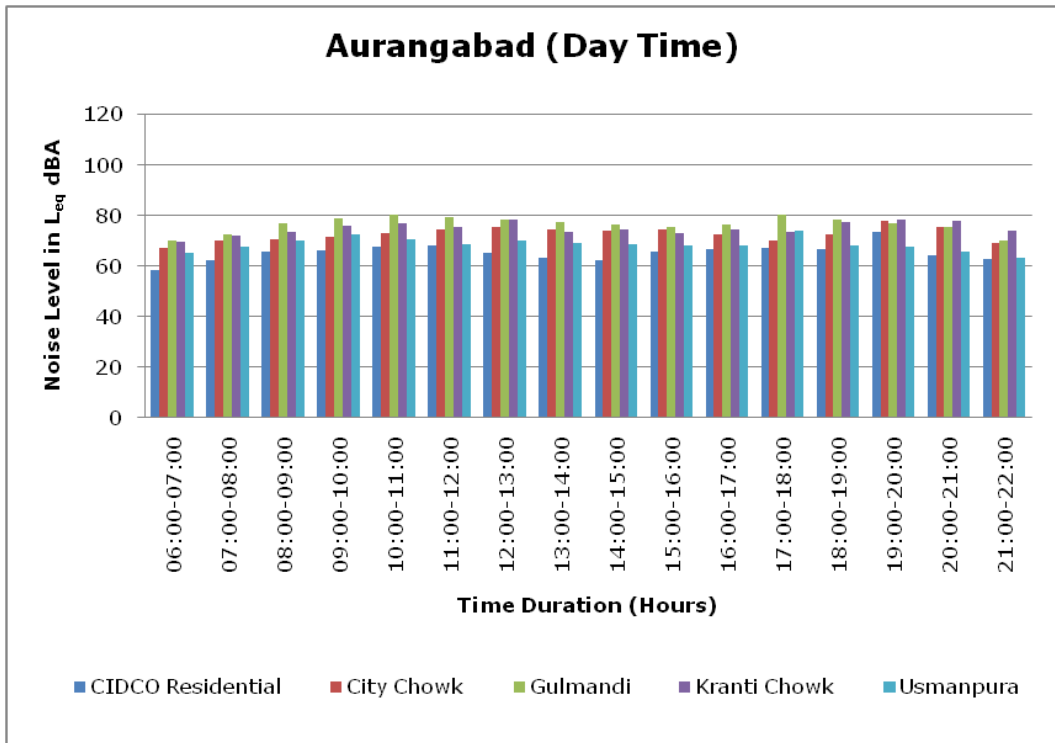
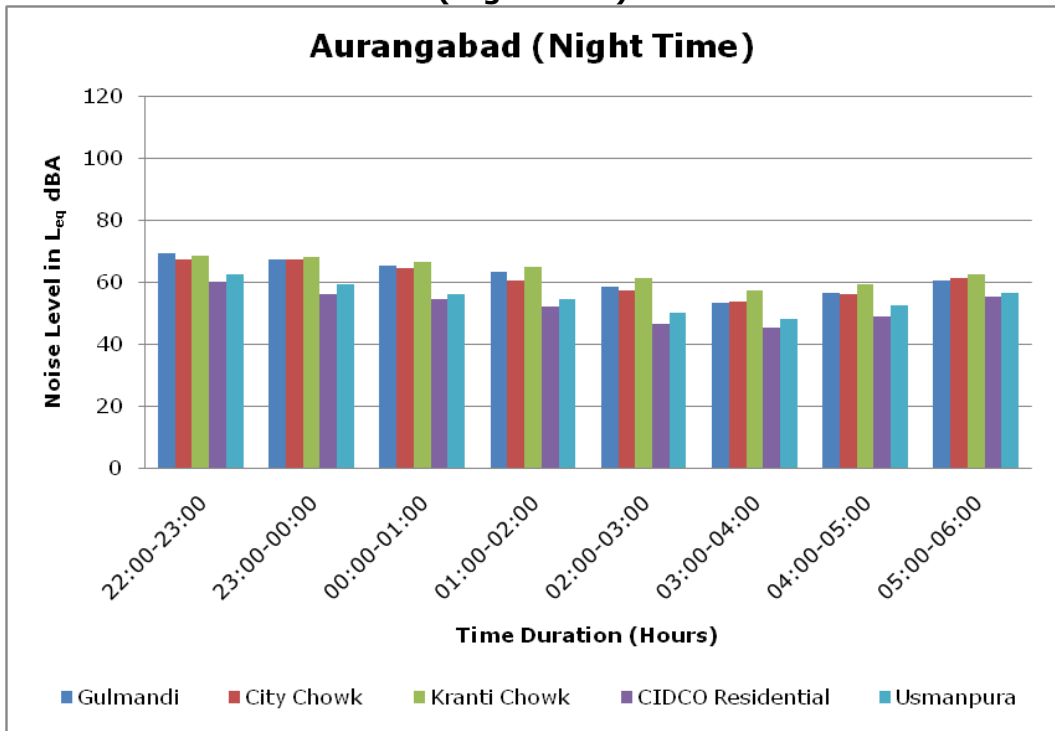


Chart 6.12: Hourly Noise levels on 29th August, 2014 in Aurangabad (Night Time)



7. Nagpur

The noise level in Nagpur was also high during the first day of Ganesh festival noise monitoring. The maximum noise level both during day time and night time was observed at Gandhiputala with 92 dB(A) and 83 dB(A) respectively. The minimum noise level of 49 dB(A) during day time was observed both at Ramdaspath and Reshmibag and during night time of 42 dB(A) was observed at Ramdaspath. The maximum average noise level was found at Gandhiputala both during day time and night time with 82 dB(A) and 65 dB(A) respectively.

Table 6.7: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Nagpur

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Ramdaspath	65	49	57	63	42	49
Cotton Market	78	66	72	72	50	60
Golibar Chauk	78	60	71	77	43	59
Reshmibag	84	49	72	69	51	55
Gandhiputala	92	64	82	83	54	65

Chart 6.13: Hourly Noise levels on 29th August, 2014 in Nagpur (Day Time)

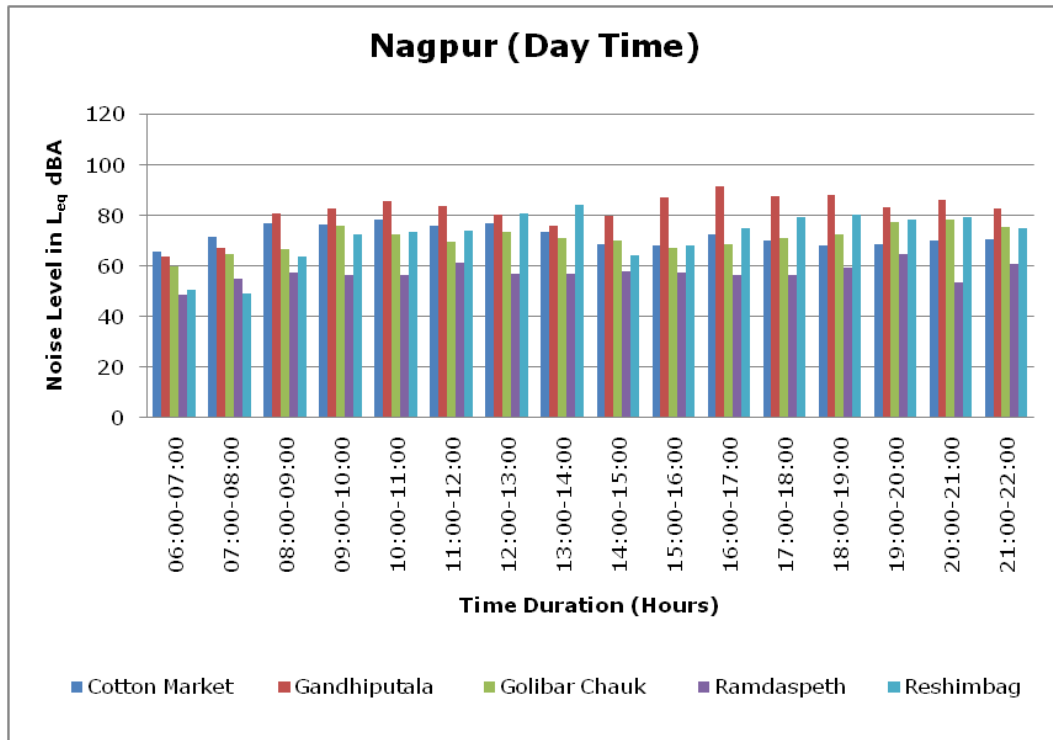
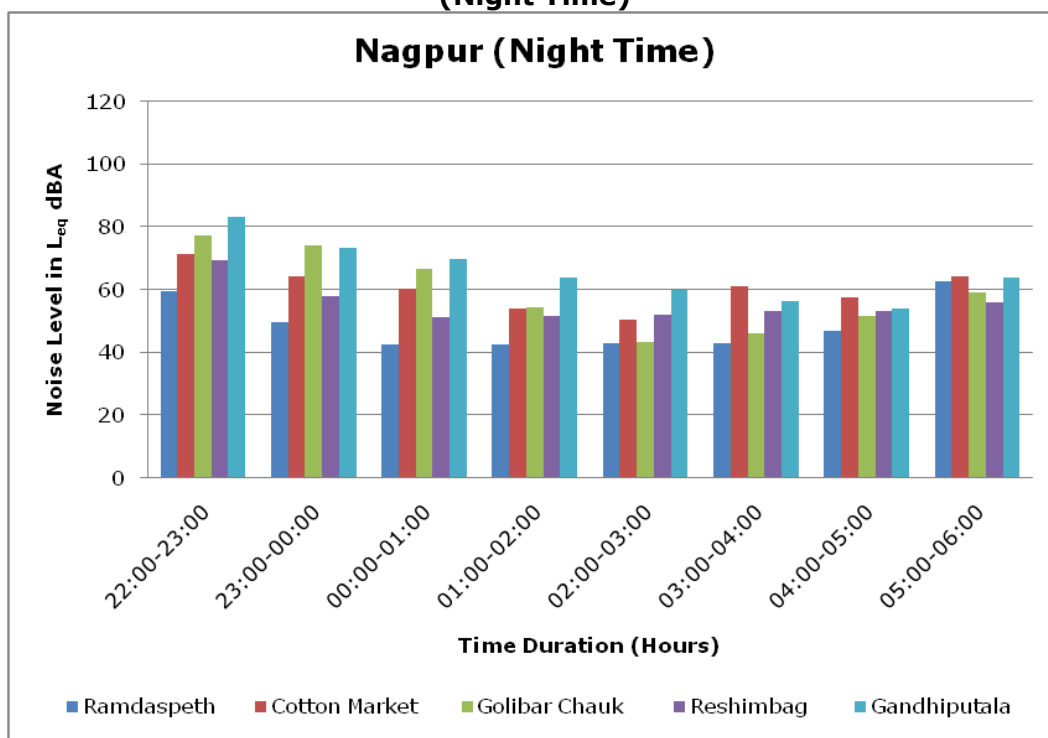


Chart 6.14: Hourly Noise levels on 29th August, 2014 in Nagpur (Night Time)



8. Kalyan

The noise level in Kalyan during the first day of Ganesh festival noise monitoring was observed between the range of 60 dB(A) to 85 dB(A). The maximum noise level out of the three location monitored was observed at Shivaji Chawk with 85 dB(A) during day time and 79 dB(A) during night time. The minimum noise level of 53 dB(A) during day time was observed at Bhiwandi-Dhamankar Naka and 55 dB(A) during night time was observed at both at Bhiwandi- Dhamankar Naka and Shivaji Chawk. The maximum average noise level of 72 dB(A) during daytime was observed both at Shivaji Chawk and Ulhasnagar Station and during night time of 66 dB(A) was found at Shivaji Chawk.

Table 6.8: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Kalyan

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Bhiwandi-Dhamankar Naka	81	53	71	72	55	65
Shivaji Chawk	85	56	72	79	55	66
Ulhasnagar Station	79	62	72	61	41	48

Chart 6.15: Hourly Noise levels on 29th August, 2014 in Kalyan (Day Time)

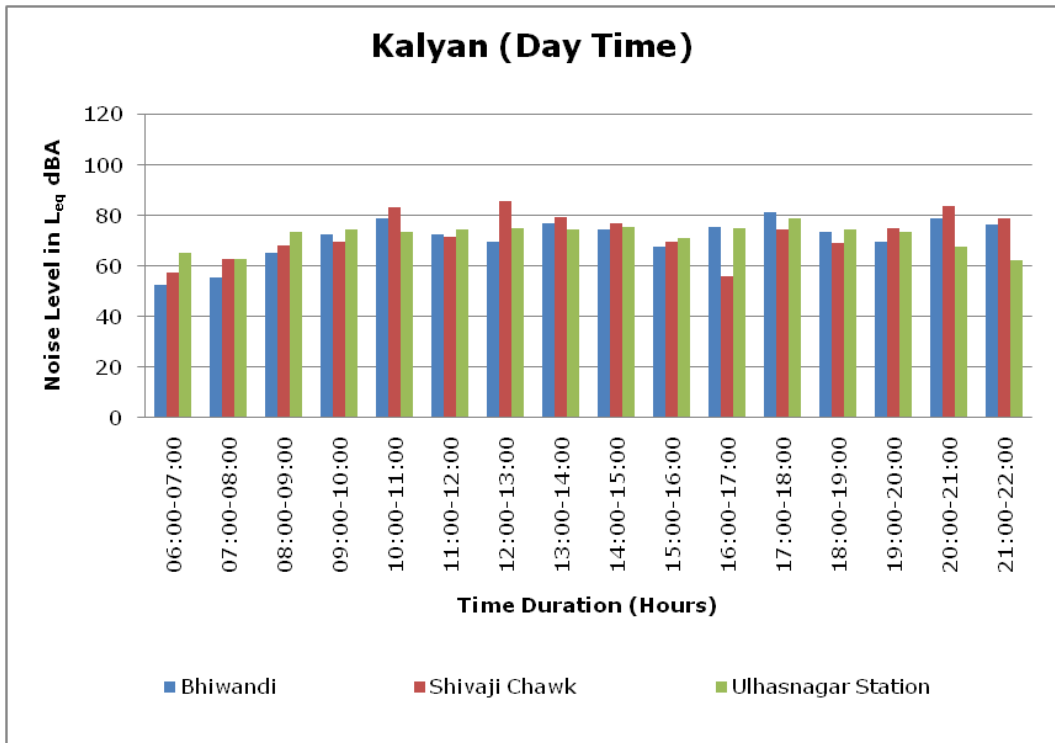
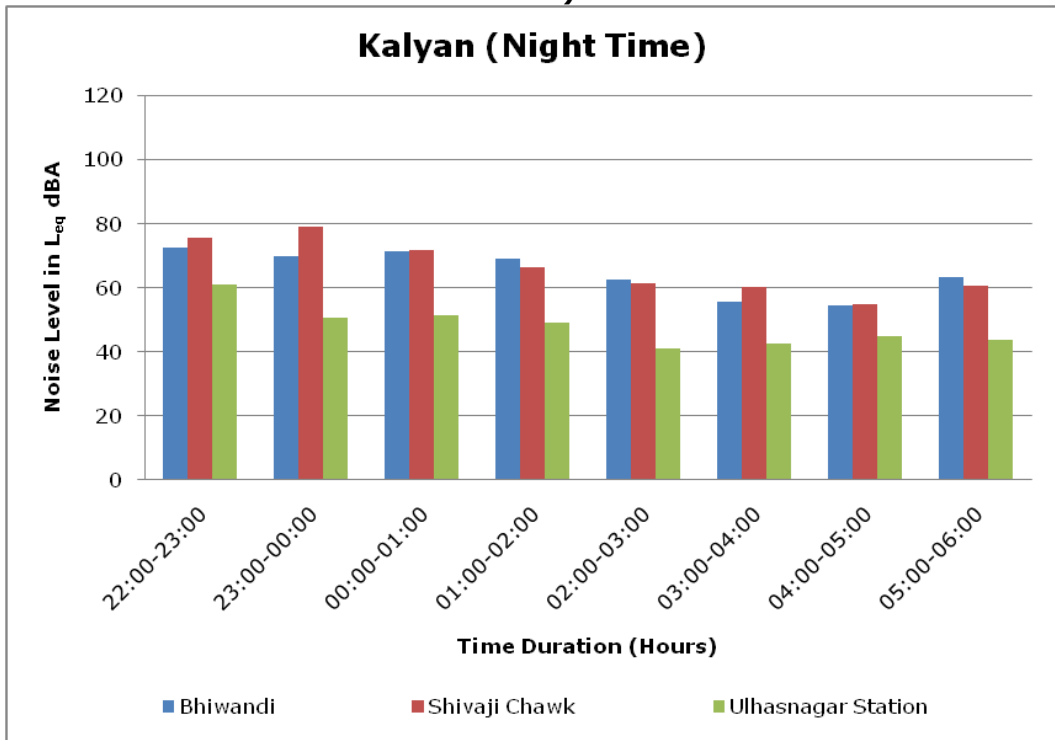


Chart 6.16: Hourly Noise levels on 29th August, 2014 in Kalyan (Night Time)



9. Amravati

The maximum noise level in Amravati was observed at Rajkamal Square both during day time and night time of 87 dB(A) and 74 dB(A) respectively. The minimum noise level in Amravati was observed at Bhudhwara during day time and Irvin Hospital Square during night time of 51 dB(A) and 43 dB(A) respectively. The maximum average noise level both during day time and night time was observed at Rajkamal Square with 79 dB(A) and 56 dB(A) respectively.

Table 6.9: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Amravati

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Bhudhwara	80	51	68	59	43	50
Rajkamal Square	87	65	79	74	45	56
Irvin Hospital Square	67	53	62	57	40	47

Chart 6.17: Hourly Noise levels on 29th August, 2014 in Amravati (Day Time)

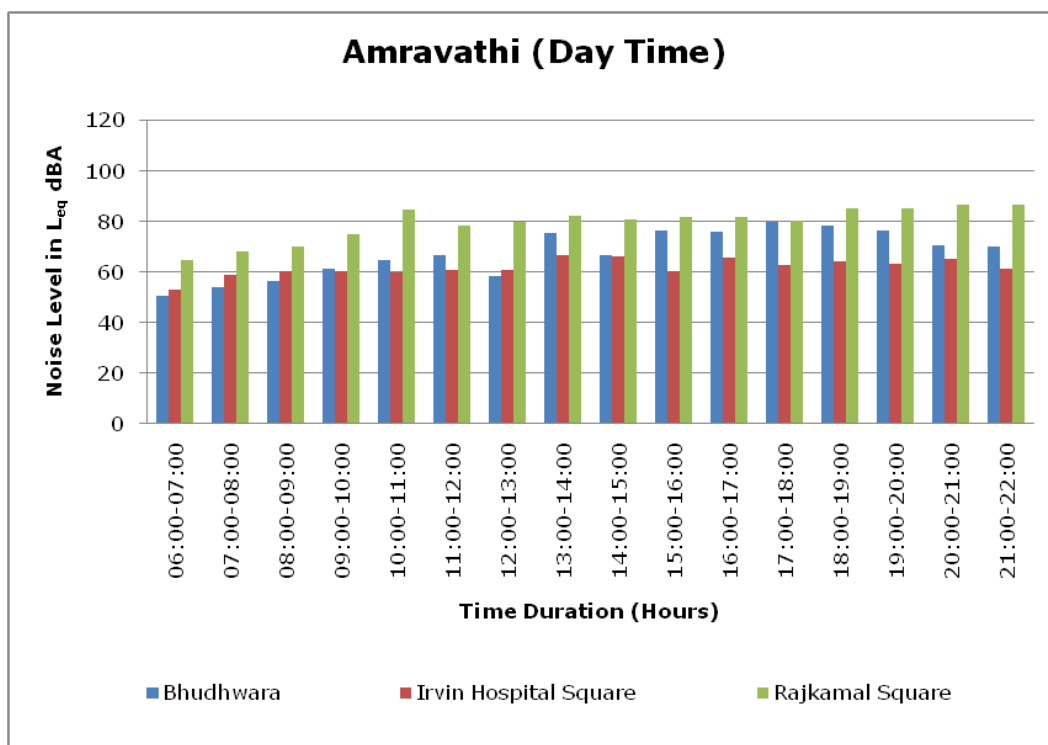
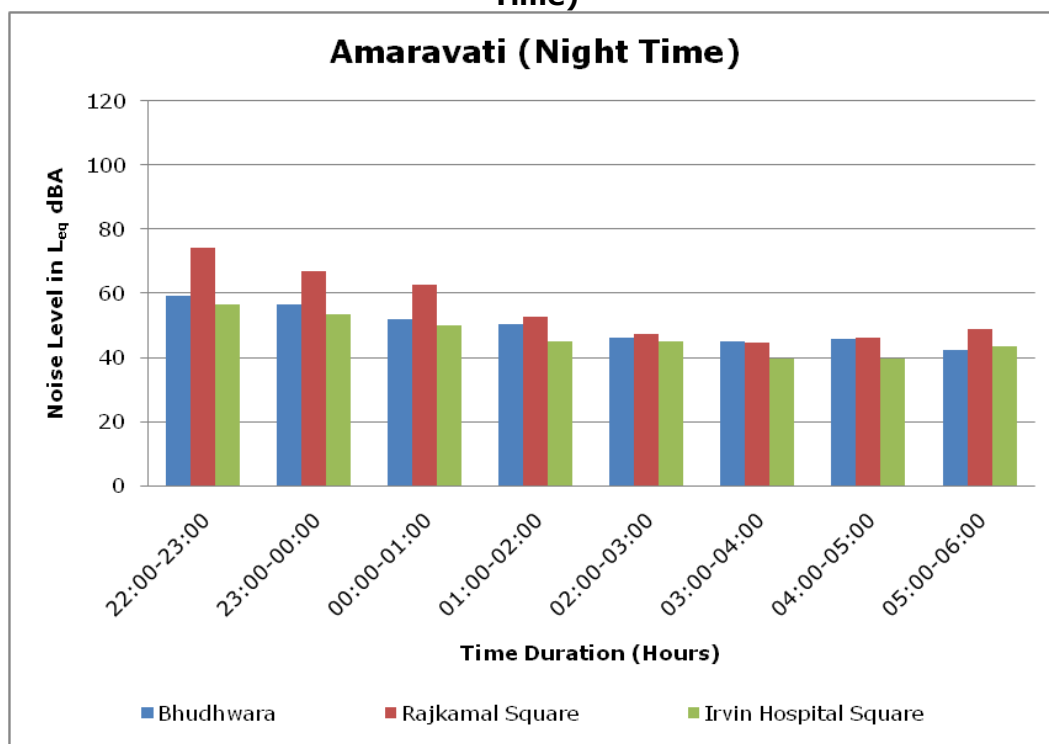


Chart 6.18: Hourly Noise levels on 29th August, 2014 in Amravati (Night Time)



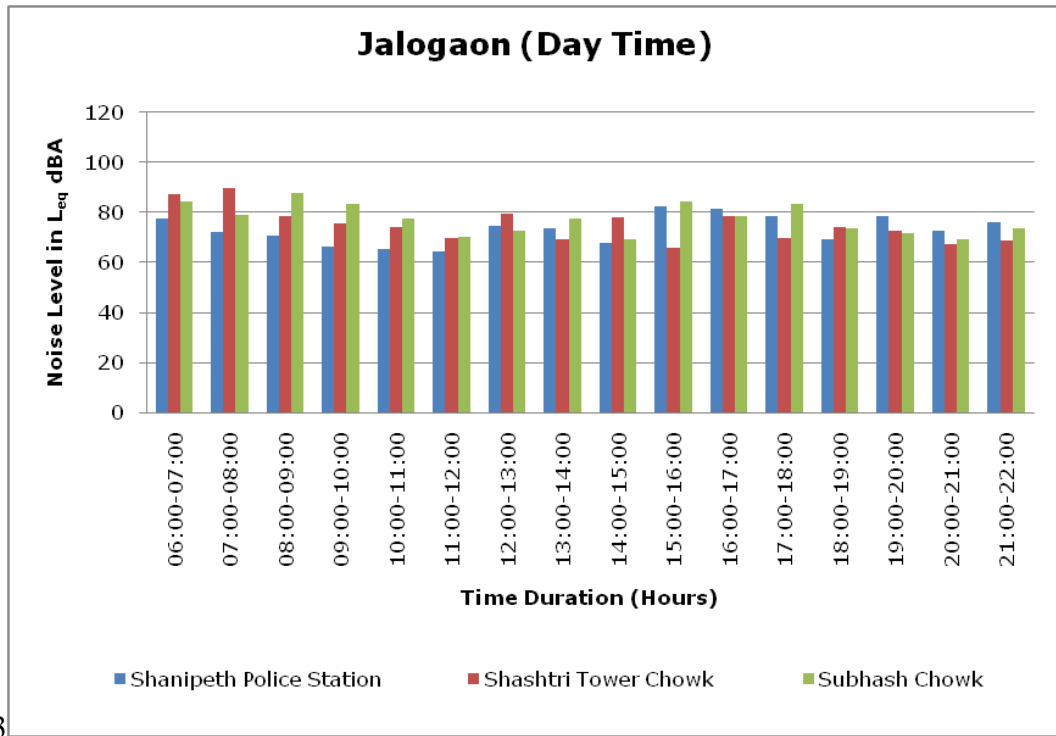
10. Jalgaon

The noise level at Jalgaon region was high during the first day of Ganesh festival noise monitoring both during day time and night time. The maximum noise level during day time was observed at Shashtri Tower Chowk with 90 dB(A) and during night time was observed at Subhash Chowk with 83 dB(A). The minimum noise level both during day time and night time was observed at Shanipeth Police Station with 64 dB(A) and 41 dB(A) respectively. The maximum average noise level of 77 dB(A) and 71 dB(A) of day time and night time respectively was observed at Subhash Chowk.

Table 6.10: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Jalgaon

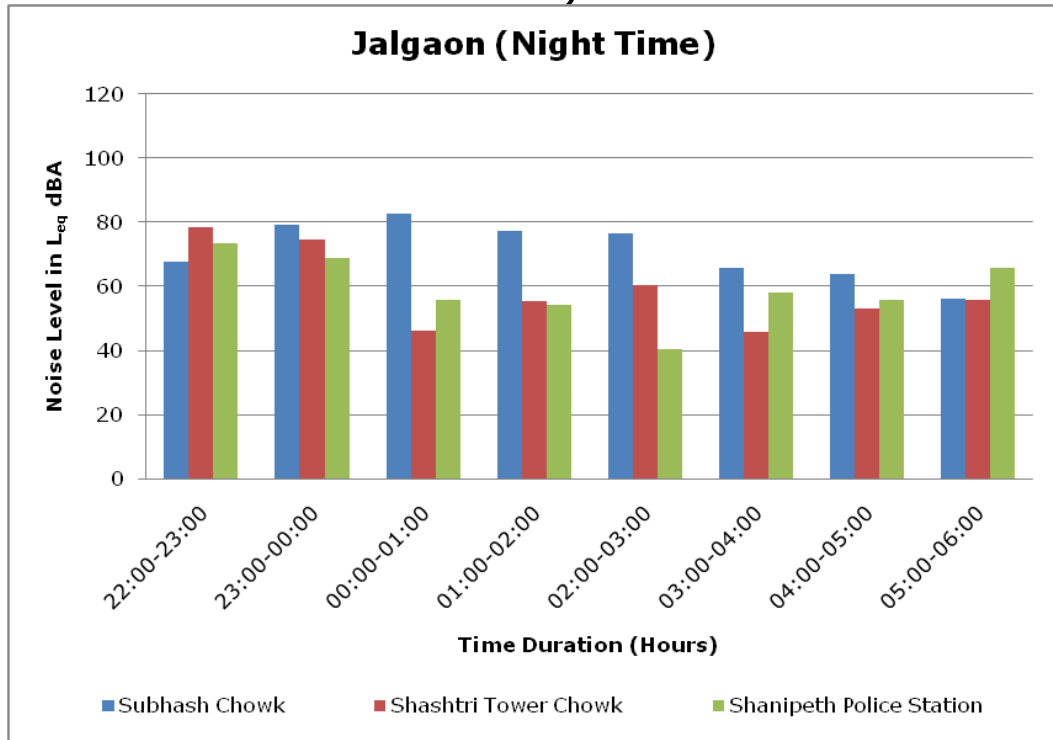
Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Subhash Chowk	88	69	77	83	56	71
Shashtri Tower Chowk	90	66	75	79	46	59
Shanipeth Police Station	82	64	73	74	41	59

Chart 6.19: Hourly Noise levels on 29th August, 2014 in Jalgaon (Day Time)



3

Chart 6.20: Hourly Noise levels on 29th August, 2014 in Jalgaon (Night Time)



11. Kolhapur

Kolhapur was very noisy during the first day of Ganesh festival noise monitoring both during day time and night time. The maximum noise level during day time was observed both at Rajaram Puri and Khas Baug Maidan with 102 dB(A) and during night time was observed at Khas Baug Maidan with 99 dB(A). The minimum noise level both during day time and night time was observed at Mahalaxmi Mandir with 40 dB(A) and Khas Baug Maidan with 41 dB(A). The maximum average noise level of 85 dB(A) and 69 dB(A) of day time and night time respectively was observed at Khas Baug Maidan.

Table 6.11: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Kolhapur

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Rajaram Puri	102	45	80	96	42	68
Mahalaxmi Mandir	79	40	69	69	42	55
Khas Baug Maidan	102	42	85	99	41	69

Chart 6.21: Hourly Noise levels on 29th August, 2014 in Kolhapur (Day Time)

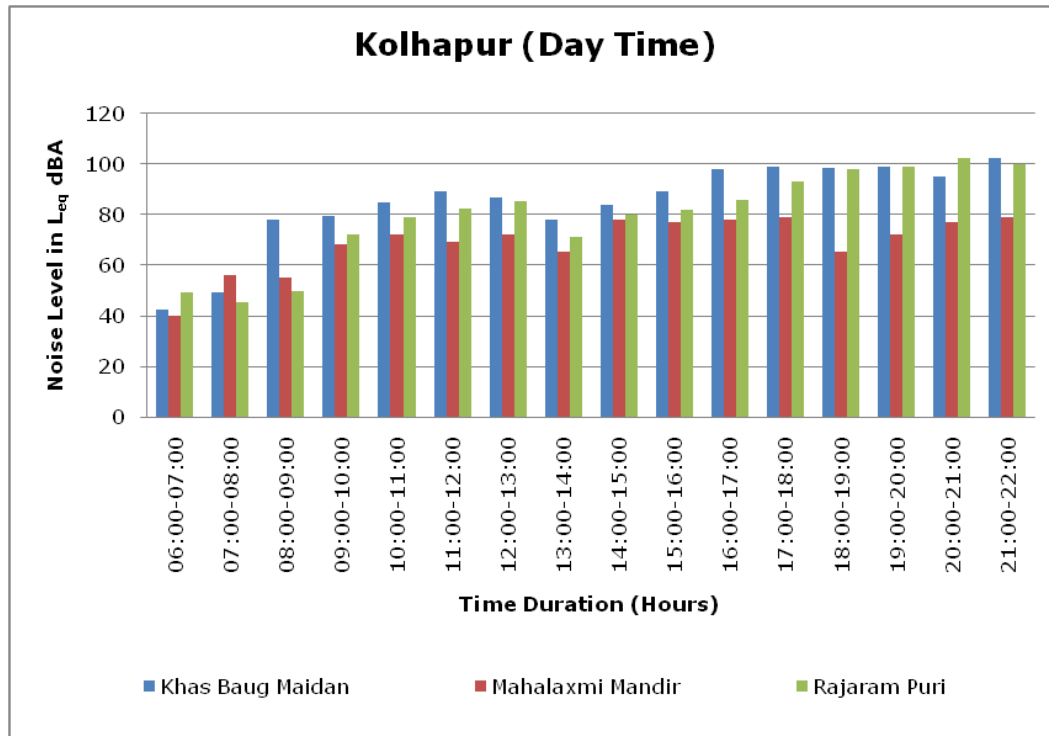
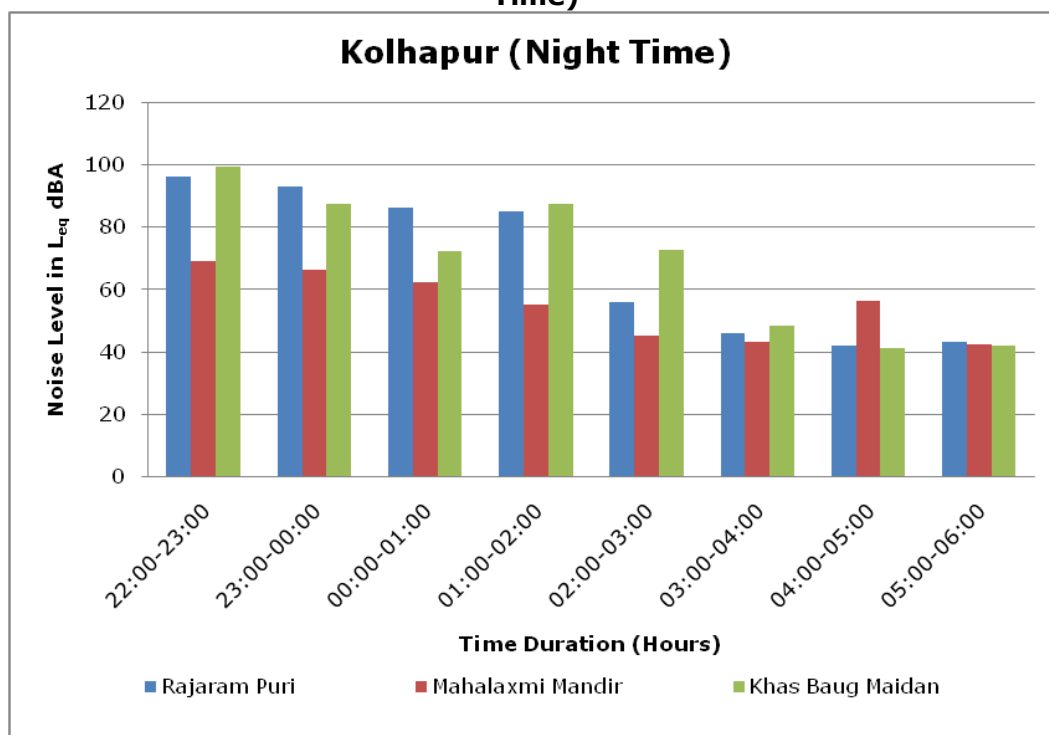


Chart 6.22: Hourly Noise levels on 29th August, 2014 in Kolhapur (Night Time)



12.Satara

The maximum noise level at Satara during both during day time and night time was observed both at Moti Chowk with 85 dB(A) and 78 dB(A) respectively. The minimum noise level during day time was observed at Rajwada with 40 dB(A) and during night time was observed at all three location monitored with 40 dB(A). The maximum average noise level of 70 dB(A) during day time and 60 dB(A) during night time was observed at Moti Chowk and Powai Naka respectively.

Table 6.12: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 29th August, 2014 in Satara

Location	L_{max} Day Time	L_{min} Day Time	L_{Aeq} Day Time	L_{max} Night Time	L_{min} Night Time	L_{Aeq} Night Time
Powai Naka	81	41	66	75	40	60
Moti Chowk	85	42	70	78	40	56
Rajwada	79	40	66	69	40	48

Chart 6.23: Hourly Noise levels on 29th August, 2014 in Satara (Day Time)

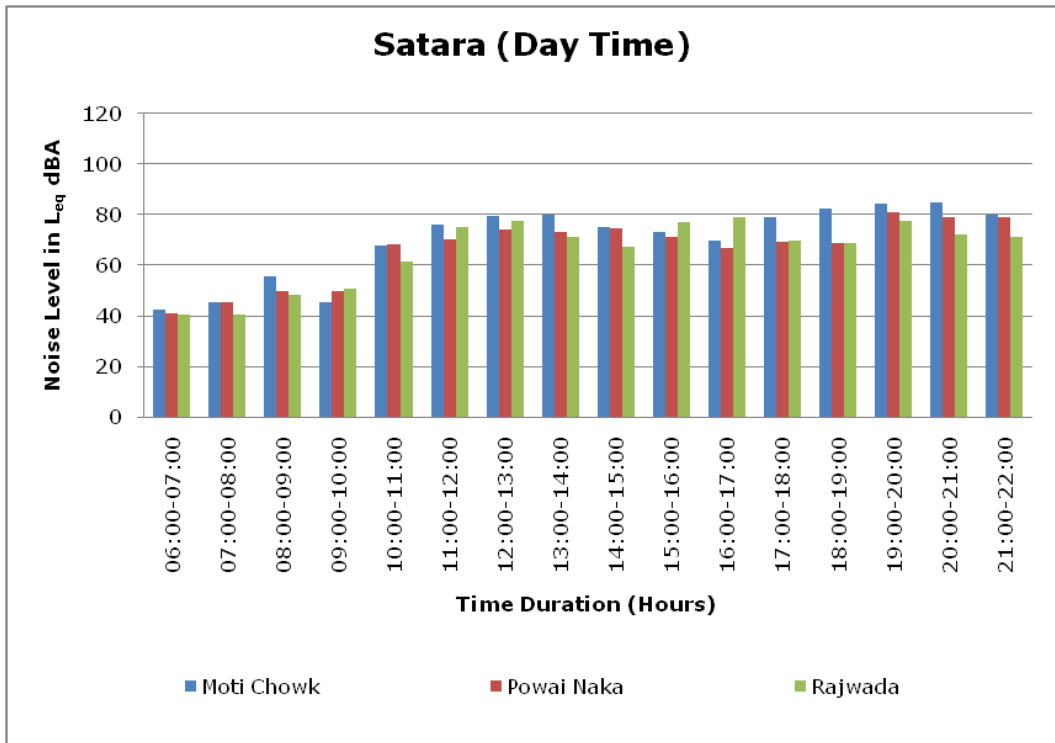
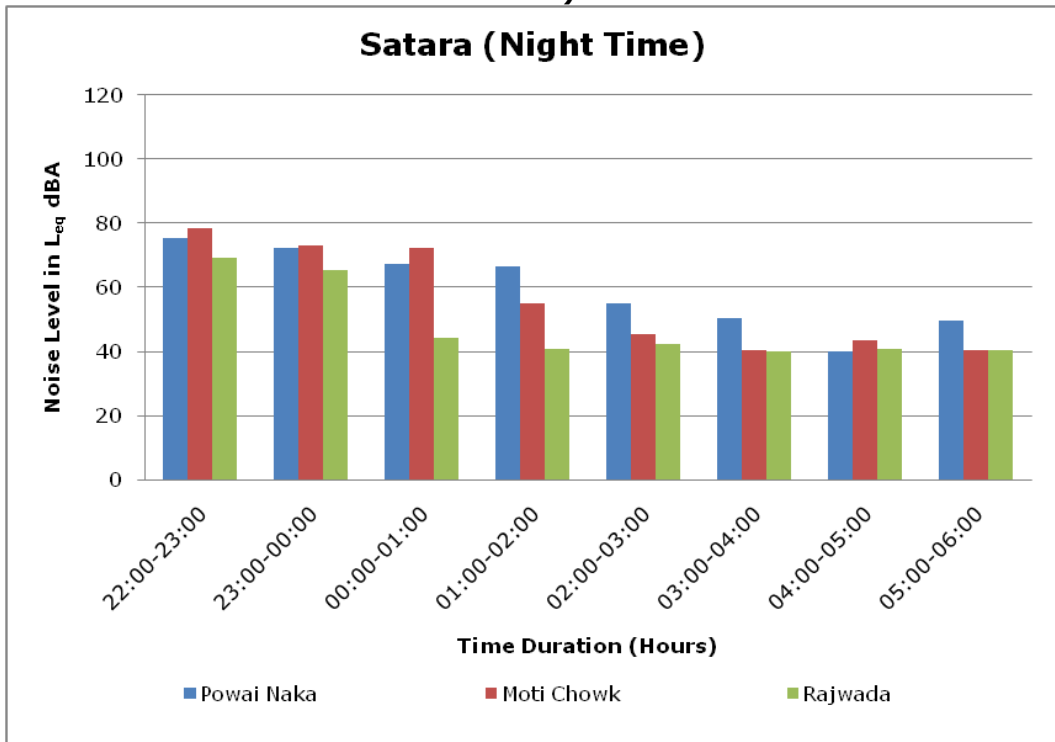


Chart 6.24: Hourly Noise levels on 29th August, 2014 in Satara (Night Time)



II. Noise Levels on 30th August, 2014

Many people keep their Ganesh idols for one and half day and carry out its immersion (visarjan on second day). The noise level increase in this day due to the street procession which consists of huge crowd. When the Ganesh idol of a home is taken out for immersion, their neighbors, relatives, friends etc. accompany them which lead to increase in ambient noise.



1. Mumbai

The maximum noise level of Mumbai region such as Chinchpokali (E), Chinchpokali (W), Dadar (E), Elphinstone, Ghatkoper, Mulund, Mumbai Central and Wadala was found to be more than 90 dB(A) and the location such as Khar and Parel had maximum noise level 100 dB(A) and 103 dB(A) respectively. The minimum noise level of 57 dB(A) was observed at Dadar (W).

The maximum average noise level of 85 dB(A) was observed at Chinchpokali (East) which was the most noisiest location on the second day of monitoring.

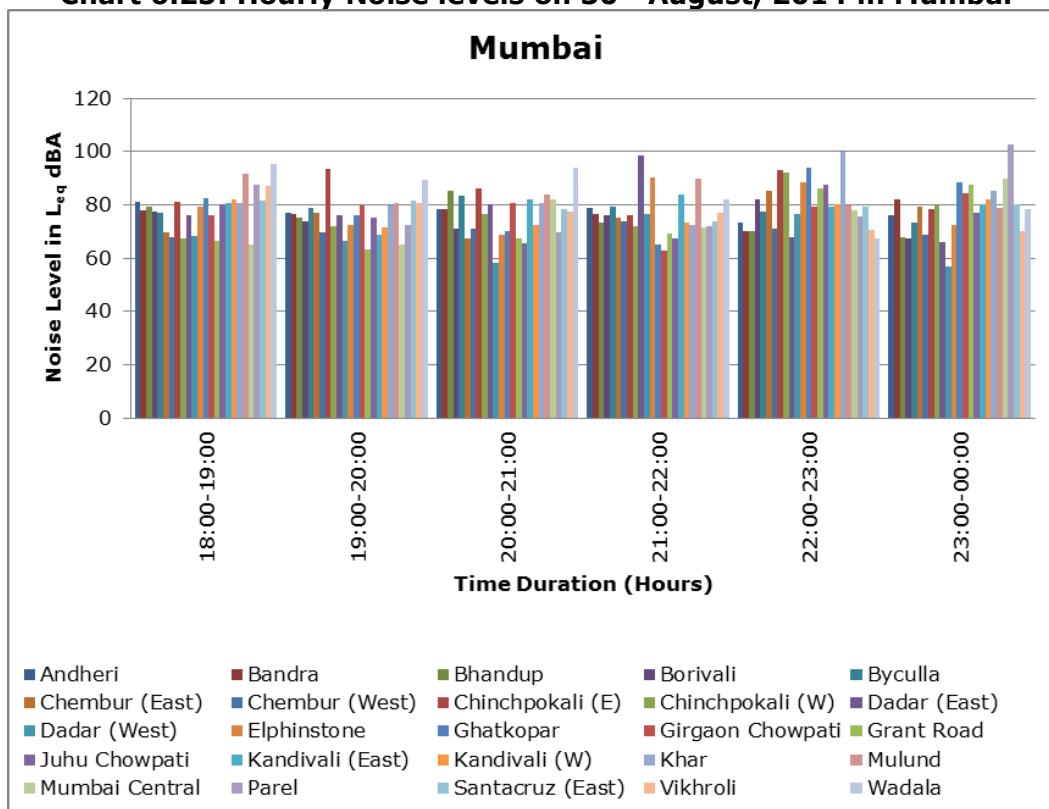
Table 6.13: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Mumbai

Location	L_{max}	L_{min}	L_{Aeq}
Andheri	81	74	77
Bandra	82	70	77
Bhandup	85	68	75

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Location	L_{max}	L_{min}	L_{Aeq}
Borivali	82	68	75
Byculla	84	74	78
Chembur (E)	85	68	76
Chembur (W)	74	68	70
Chinchpokali (E)	94	76	85
Chinchpokali (W)	92	67	77
Dadar (E)	98	66	77
Dadar (W)	76	57	67
Elphinstone	90	69	79
Ghatkopar	94	65	79
Girgaon Chowpati	85	63	77
Grant Road	88	63	73
Juhu Chowpati	88	66	75
Kandivali (E)	84	69	79
Kandivali (W)	82	72	77
Khar	100	73	83
Mulund	92	79	84
Mumbai Central	90	65	75
Parel	103	70	80
Santacruz (E)	82	74	79
Vikhroli	87	70	77
Wadala	95	67	84

Chart 6.25: Hourly Noise levels on 30th August, 2014 in Mumbai



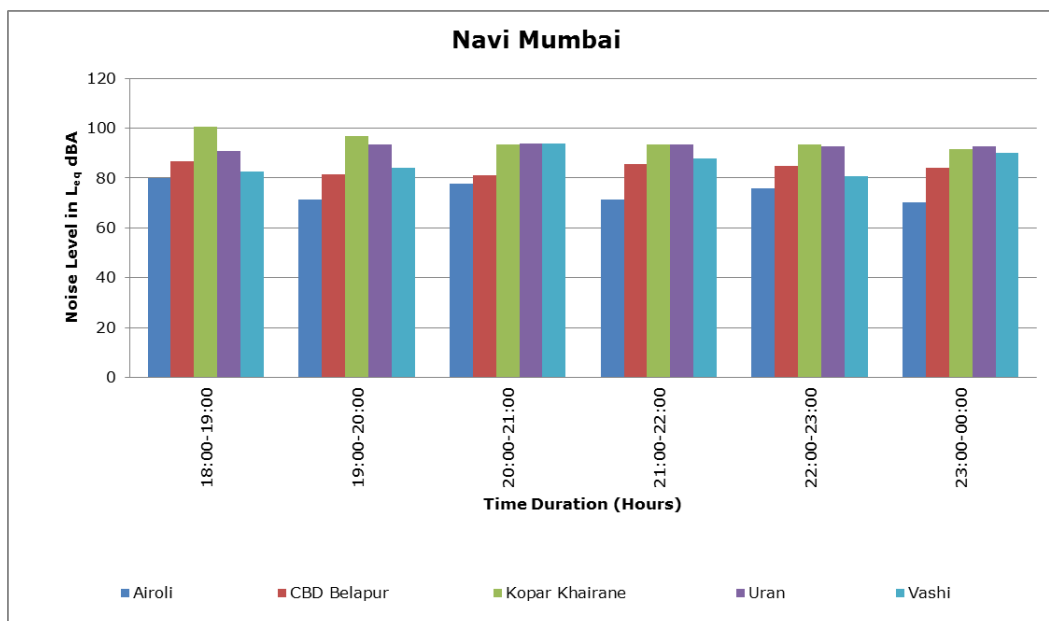
2. Navi Mumbai

The noise level in all locations monitored in Navi Mumbai on the second day of Ganesh festival was more than 80 dB(A). The maximum noise level was observed at Kopar Khairane with 101 dB(A) and minimum noise level of 81 dB(A) was observed both at CBD Belapur and Vashi. The highest average noise level of 95 dB(A) was observed at Kopar Khairane.

Table 6.14: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Navi Mumbai

Location	L_{max}	L_{min}	L_{Aeq}
Airoli	80	70	74
CBD Belapur	87	81	84
Kopar Khairane	101	92	95
Uran	94	91	93
Vashi	94	81	86

Chart 6.26: Hourly Noise levels on 30th August, 2014 in Navi Mumbai



3. Thane

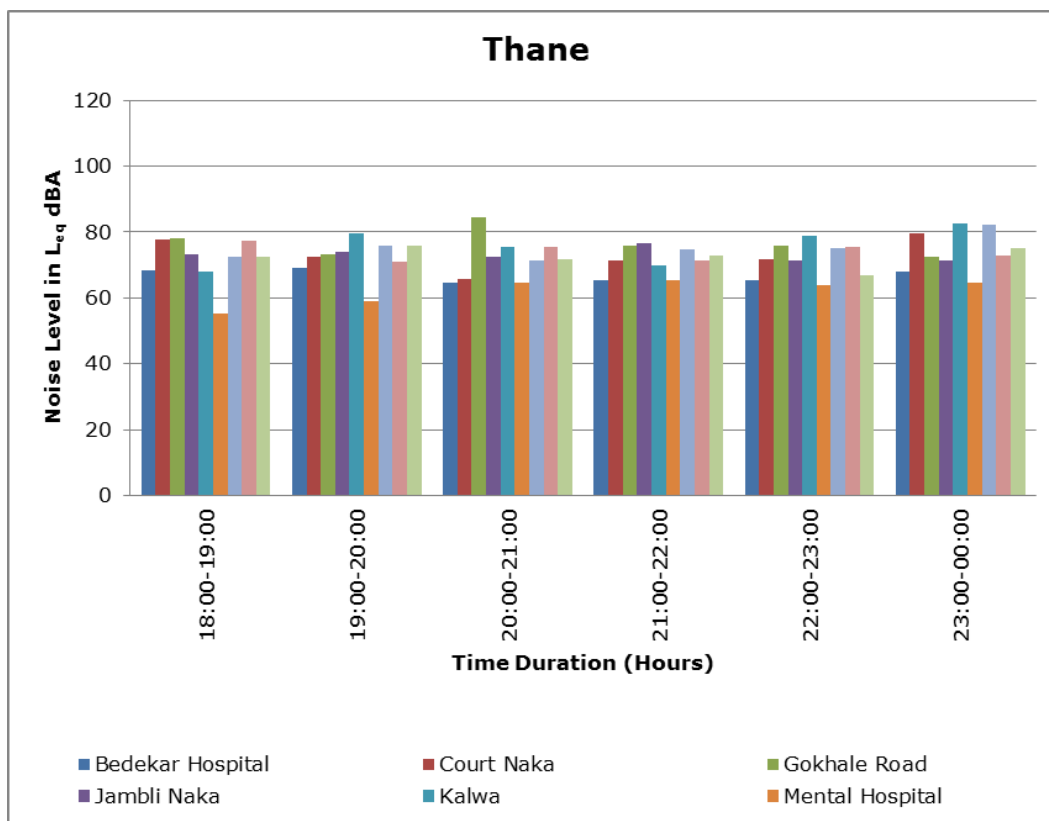
The noise levels in Thane region during second day of Ganesh festival were lesser as compared to other region and Thane itself on the first day of monitoring.

The maximum noise level was observed at Gokhale Road with 84 dB(A) and minimum noise level of 55 dB(A) was observed at Mental Hospital. The highest average noise level of 77 dB(A) was also observed at Gokhale road.

Table 6.15: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Thane

Location	L_{max}	L_{min}	L_{Aeq}
Gokhale Road	84	72	77
Jambli Naka	77	71	73
Naupada	82	71	75
Vartak Nagar Chowk	77	71	74
Wagle Estate	76	67	72
Court Naka	80	66	73
Mental Hospital	65	55	62
Bedekar Hospital	69	65	67
Kalwa	82	68	76

Chart 6.27: Hourly Noise levels on 30th August, 2014 in Thane



4. Pune

The noise level in Pune on the second day of Ganesh festival in many location was observed to be in the range of 80dB(A) to 89 dB(A).The maximum noise level of 89 dB(A) was observed both at Parvati and Bhosari Gavthan and minimum noise level of 56 dB(A) was observed at Kothrud. The highest average noise level of 82 dB(A) was observed at Swar Gate road.

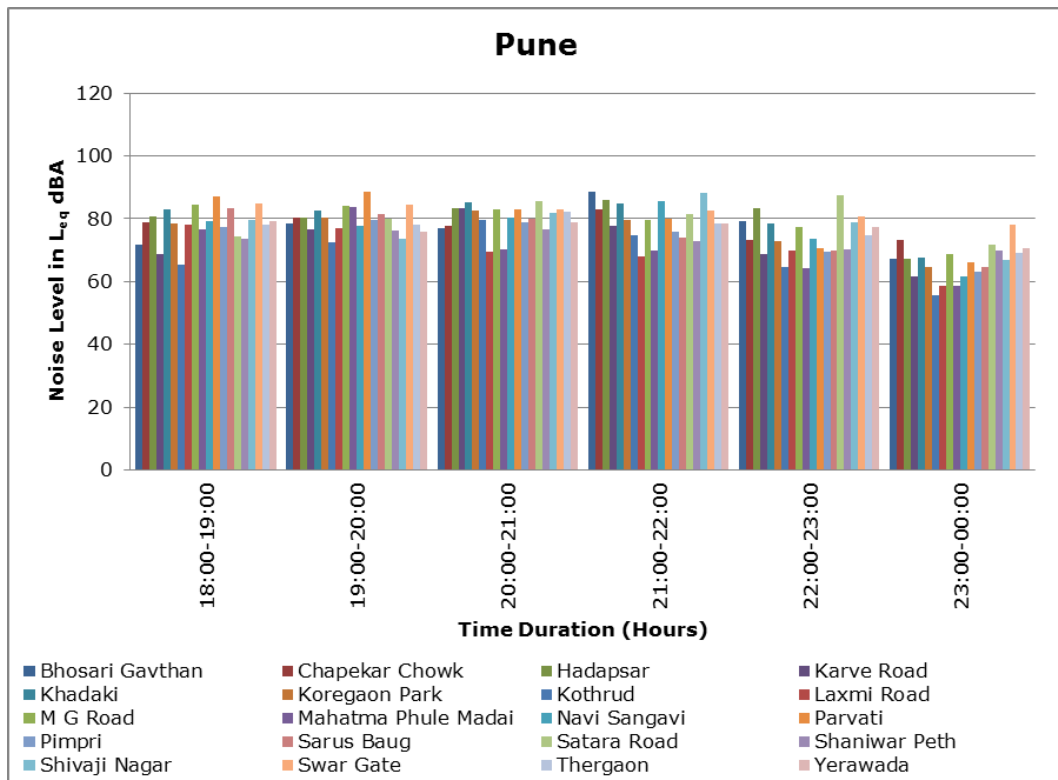
Table 6.16: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Pune

Location	L _{max}	L _{min}	L _{Aeq}
Shivaji Nagar	88	67	78
Karve Road	83	62	73
Swar Gate	85	78	82
Satara Road	87	72	80
Shaniwar Peth	77	70	73
Yerawada	79	71	77
Laxmi Road	78	59	70
Kothrud	79	56	69

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Location	L _{max}	L _{min}	L _{Aeq}
Mahatma Phule Madai	84	59	71
Sarus Baug	83	65	76
Hadapsar	86	67	80
Parvati	89	66	79
Koregaon Park	82	65	76
Khadaki	85	68	80
M G Road	84	69	79
Chapekar Chowk	83	73	78
Pimpri	79	63	74
Thergaon	82	69	77
Navi Sangavi	85	62	76
Bhosari Gavthan	89	67	77

Chart 6.28: Hourly Noise levels on 30th August, 2014 in Pune



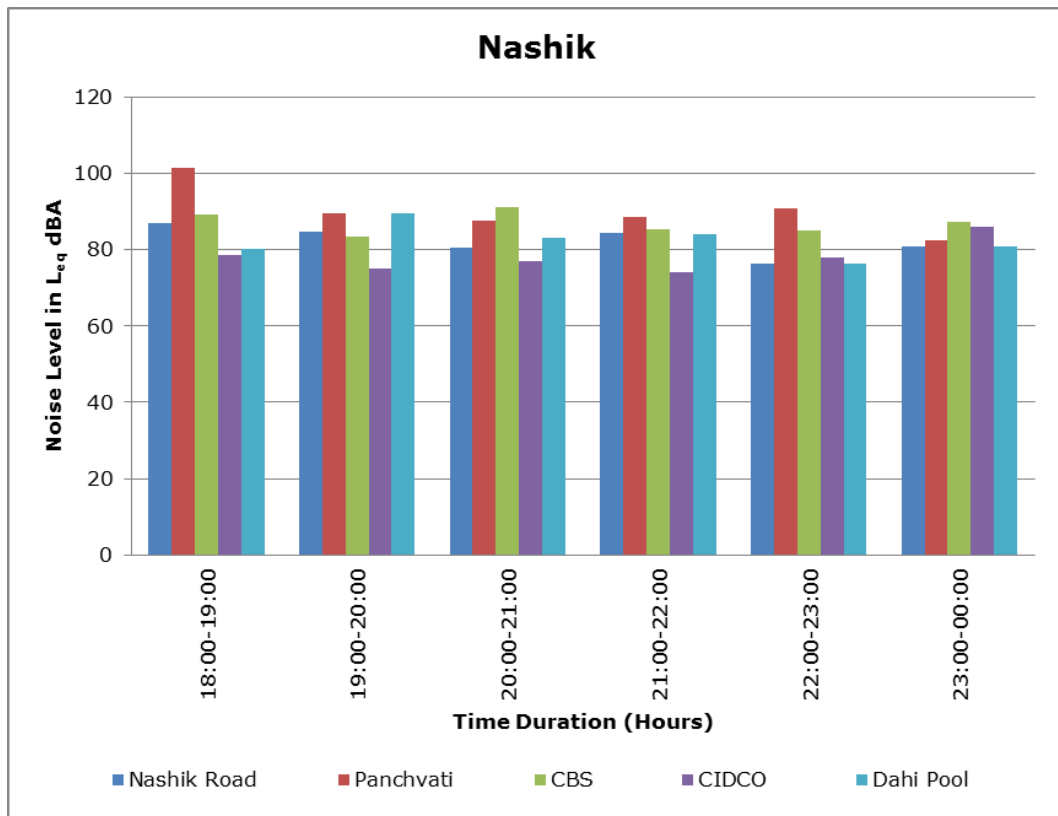
5. Nashik

The noise level in Nashik on 30th August ranged between 86 dB(A) to 101 dB(A). The maximum noise level of 101 dB(A) was observed Panchvati and the minimum noise level is observed at Dahi Pool and during night time is observed at Nashik road. The average noise level in the locations monitored was observed at Panchvati with 90 dB(A).

Table 6.17: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Nashik

Location	L_{max}	L_{min}	L_{Aeq}
Nashik Road	87	76	82
Panchvati	101	83	90
CBS	91	83	87
CIDCO	86	74	78
Dahi Pool	90	76	82

Chart 6.29: Hourly Noise levels on 30th August, 2014 in Nashik



6. Aurangabad

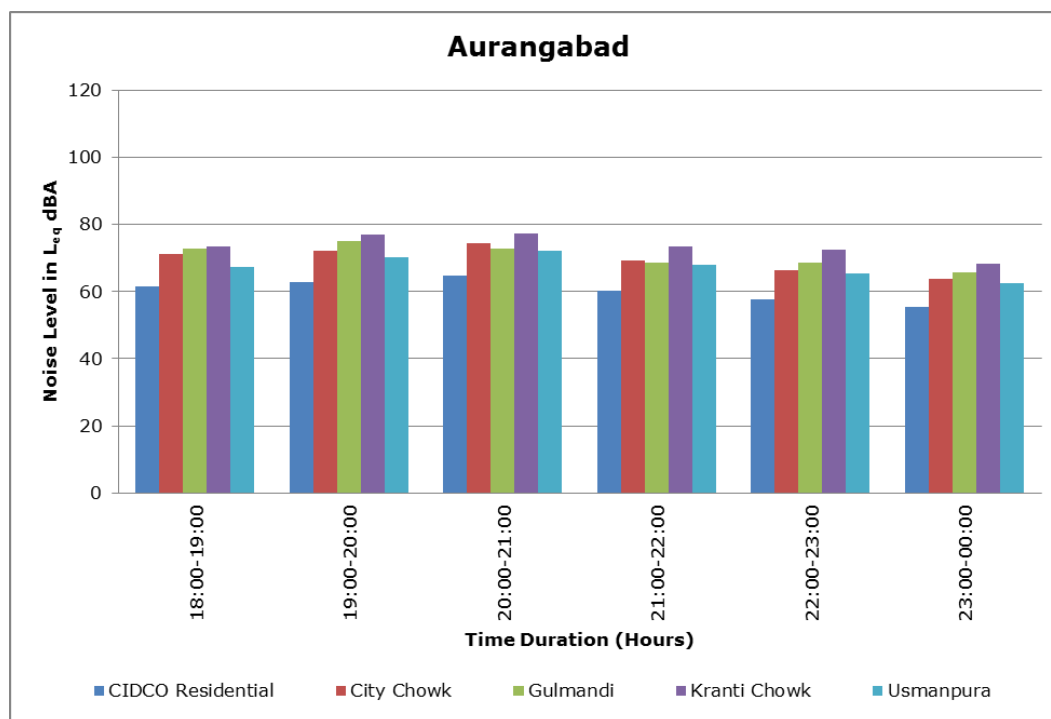
The noise level in majority of the location in Aurangabad on the second day of noise monitoring during Ganesh festival was above 70 dB(A). The maximum noise level was observed at Kranti Chowk with 77 dB(A) and the minimum noise level of

55 dB(A) was observed at CIDCO residential. The maximum average noise level was observed at Kranti Chowk with 74 dB(A).

Table 6.18: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Aurangabad

Location	L_{max}	L_{min}	L_{Aeq}
Gulmandi	75	66	71
City Chowk	75	64	69
Kranti Chowk	77	68	74
CIDCO Residential	65	55	60
Usmanpura	72	62	68

Chart 6.30: Hourly Noise levels on 30th August, 2014 in Aurangabad



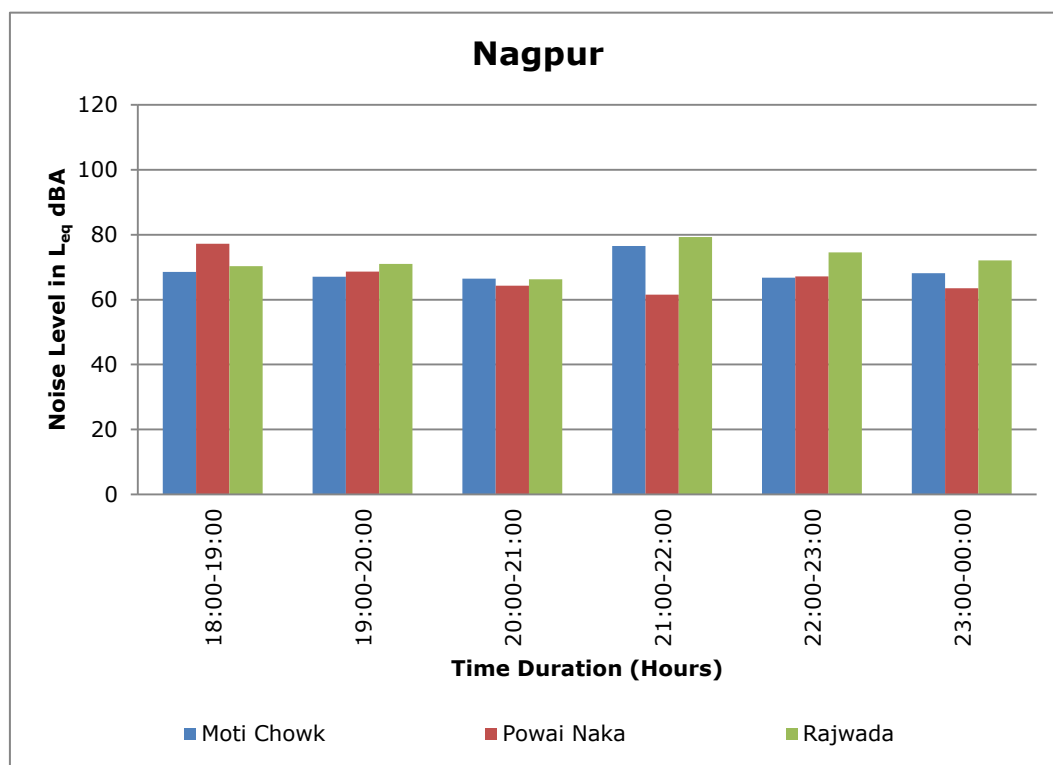
7. Nagpur

The maximum noise level at Nagpur on 30th August was observed at Reshmibag with 84 dB(A) and the minimum noise level of 54 dB(A) was found at Ramdaspath. The maximum average noise level was found at Reshmibag with 76 dB(A).

Table 6.19: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Nagpur

Location	L_{max}	L_{min}	L_{Aeq}
Ramdaspath	62	54	58
Cotton Market	72	63	69
Golibar Chauk	74	59	68
Reshimbag	84	65	76
Gandhiputala	76	66	72

Chart 6.31: Hourly Noise levels on 30th August, 2014 in Nagpur



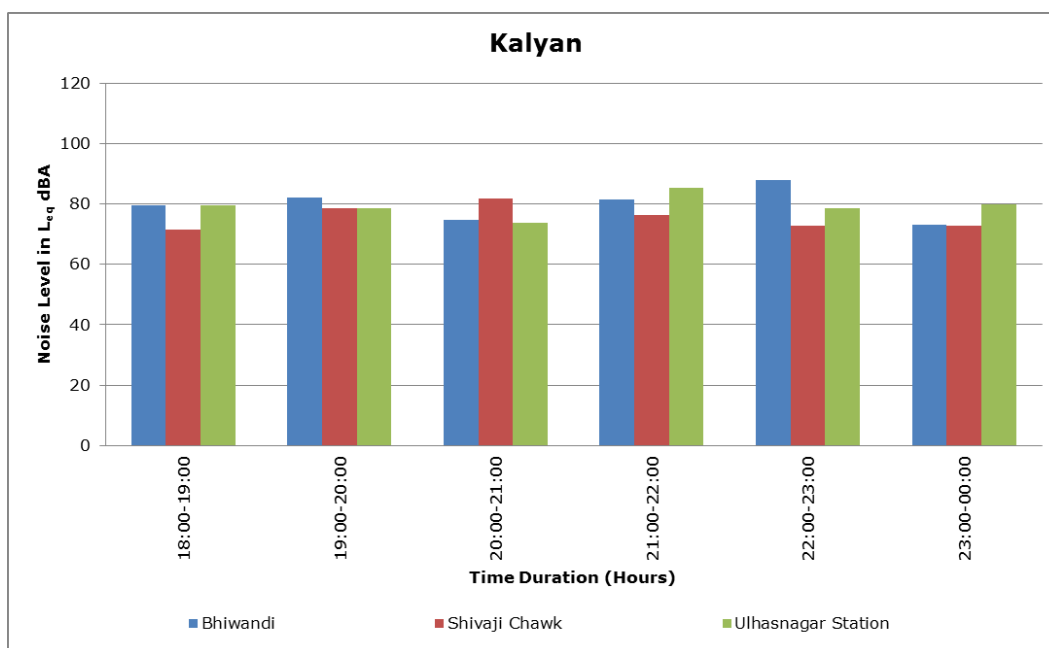
8. Kalyan

The noise level in all locations of Kalyan region during the second day of Ganesh festival noise monitoring was observed above 80 dB(A). The maximum noise level was observed at Bhiwandi- Dhamankar Naka with 88 dB(A) and the minimum noise level of 71 dB(A) was observed at Shivaji Chawk. The maximum average noise level of 80 dB(A) was observed both at Bhiwandi- Dhamankar.

Table 6.20: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Kalyan

Location	L_{max}	L_{min}	L_{Aeq}
Bhiwandi- Dhamankar Naka	88	73	80
Shivaji Chawk	82	71	76
Ulhasnagar Station	85	74	79

Chart 6.32: Hourly Noise levels on 30th August, 2014 in Kalyan



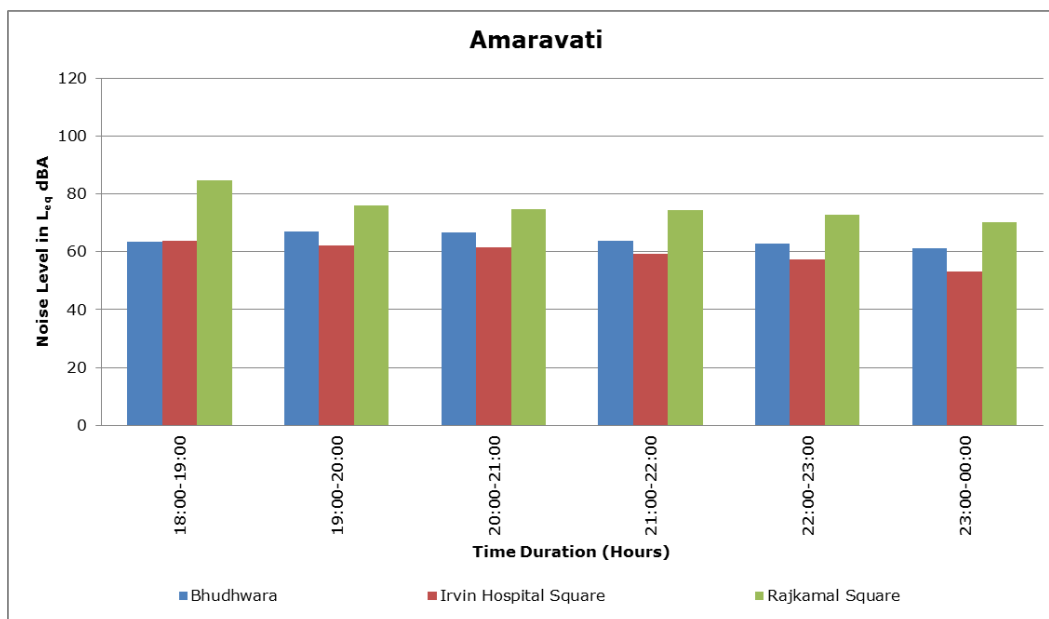
9. Amravati

The maximum noise level in Amravati was observed at Rajkamal Square on the second day of noise monitoring and the minimum noise level was observed at Irvin Hospital Square of 53 dB(A). The maximum average noise level was observed at Rajkamal Square with 76 dB(A).

Table 6.21: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Amravati

Location	L_{max}	L_{min}	L_{Aeq}
Bhudhwara	67	61	64
Rajkamal Square	85	70	76
Irvin Hospital Square	64	53	60

Chart 6.33: Hourly Noise levels on 30th August, 2014 in Amravati



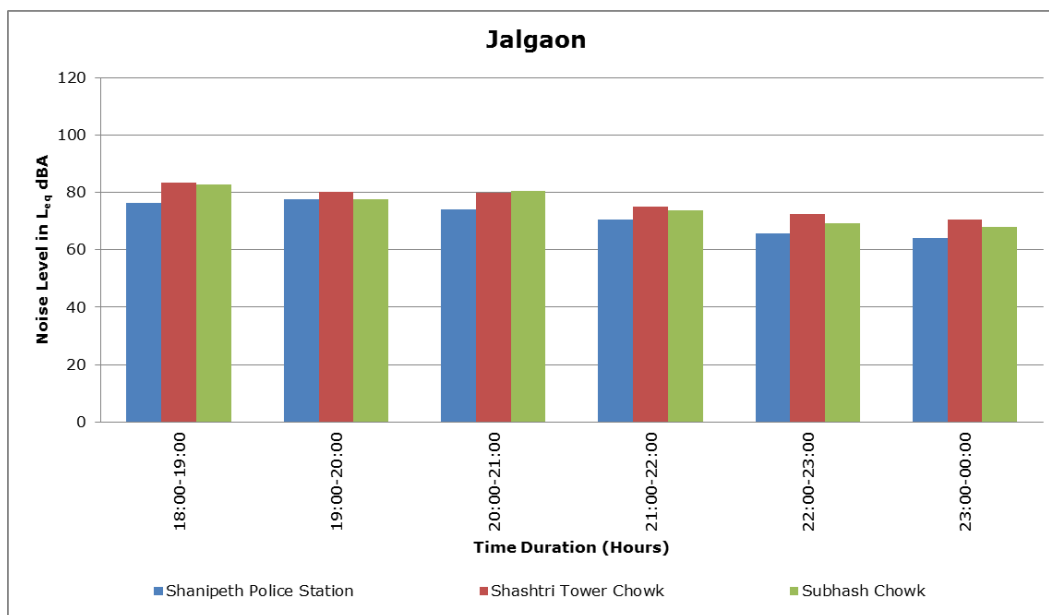
10. Jalgaon

The maximum noise level during day time was observed at both Shashtri Tower Chowk and Subhash Chowk with 83 dB(A) and the minimum noise level was observed at Shanipeth Police Station with 64 dB(A). The maximum average noise level of 77 dB(A) was observed at Shashtri Tower Chowk.

Table 6.22: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Jalgaon

Location	L_{max}	L_{min}	L_{Aeq}
Subhash Chowk	83	68	75
Shashtri Tower Chowk	83	71	77
Shanipeth Police Station	78	64	71

Chart 6.34: Hourly Noise levels on 30th August, 2014 in Jalgaon



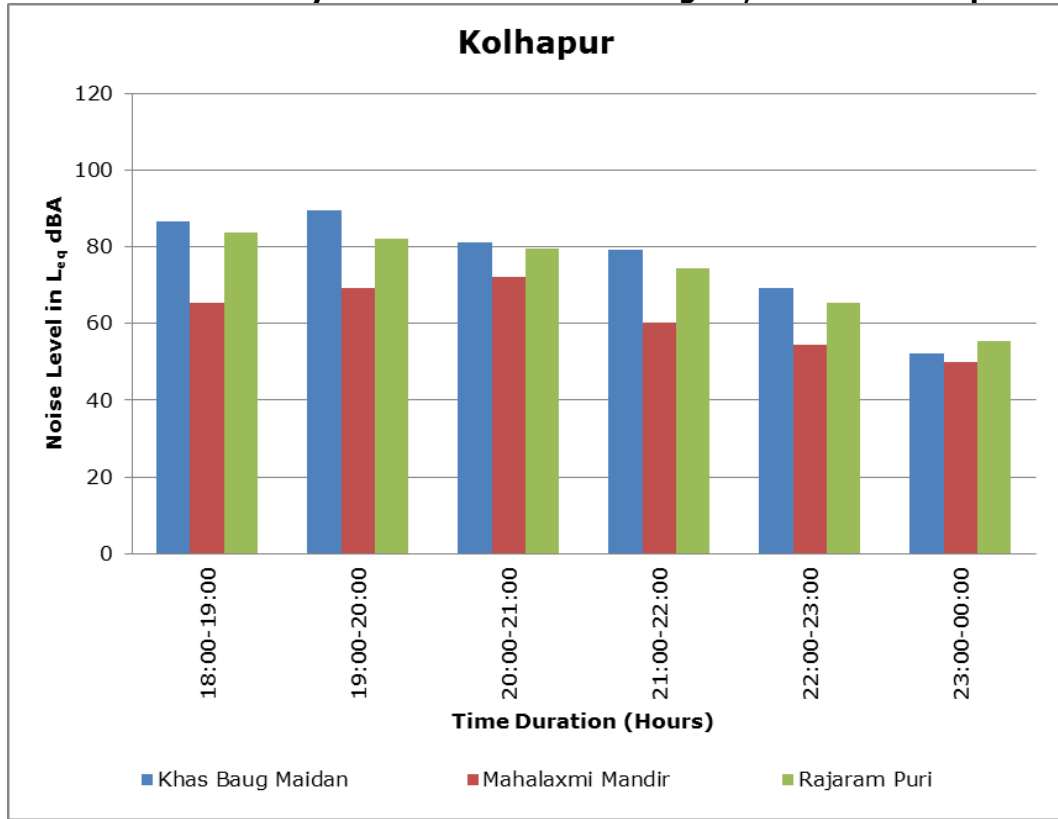
11. Kolhapur

The noise level in Kolhapur on the second day of noise monitoring was less as compared to the first day of Ganesh festival. The maximum noise level was observed at Khas Baug Maidan with 90 dB(A) and the minimum noise level was observed at Mahalaxmi Mandir with 50 dB(A). The maximum average noise level of 76 dB(A) was observed at Khas Baug Maidan.

Table 6.23: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Kolhapur

Location	L_{max}	L_{min}	L_{Aeq}
Rajaram Puri	84	56	73
Mahalaxmi Mandir	72	50	62
Khas Baug Maidan	90	52	76

Chart 6.35: Hourly Noise levels on 30th August, 2014 in Kolhapur



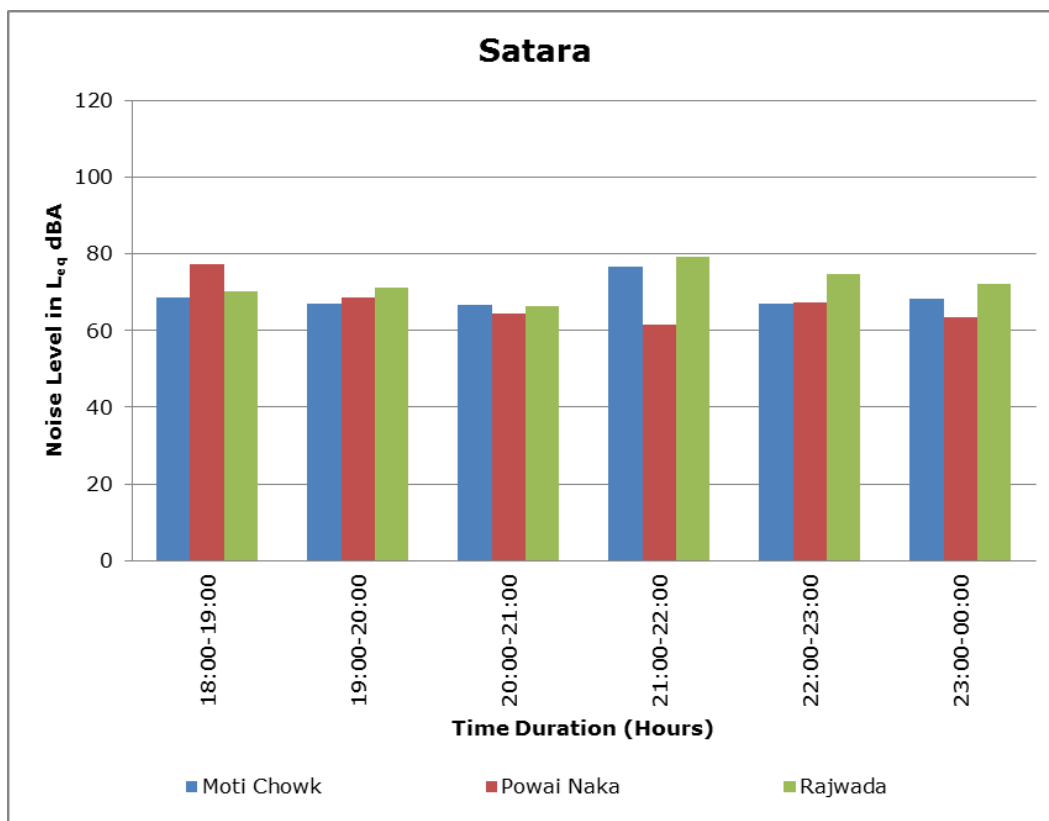
12. Satara

The maximum noise level at Satara was observed at Rajwada with 79dB(A) and the minimum noise level was observed at Powai Nakawith 40 dB(A) and during night time was observed at all three location monitored with 62 dB(A). The maximum average noise level of 72 dB(A) was observed at Rajwada.

Table 6.24: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 30th August, 2014 in Satara

Location	L_{max}	L_{min}	L_{Aeq}
Powai Naka	77	62	67
Moti Chowk	77	67	69
Rajwada	79	66	72

Chart 6.36: Hourly Noise levels on 30th August, 2014 in Satara



III. Noise Levels on 3rd September, 2014

3rd September was sixth day of Ganesh festival and there was very less or no Visasrjan happening on the same day. The increase in noise level is due to the crowds visiting Mandals, the load speakers placed near mandals etc.

1. Mumbai

The maximum noise level of Mumbai region on 3rd September was observed at Wadala with 84 dB(A) and the minimum noise level of 46 dB(A) was observed at Ghatakoper. The maximum average noise level of 80 dB(A) was also observed at Wadala.

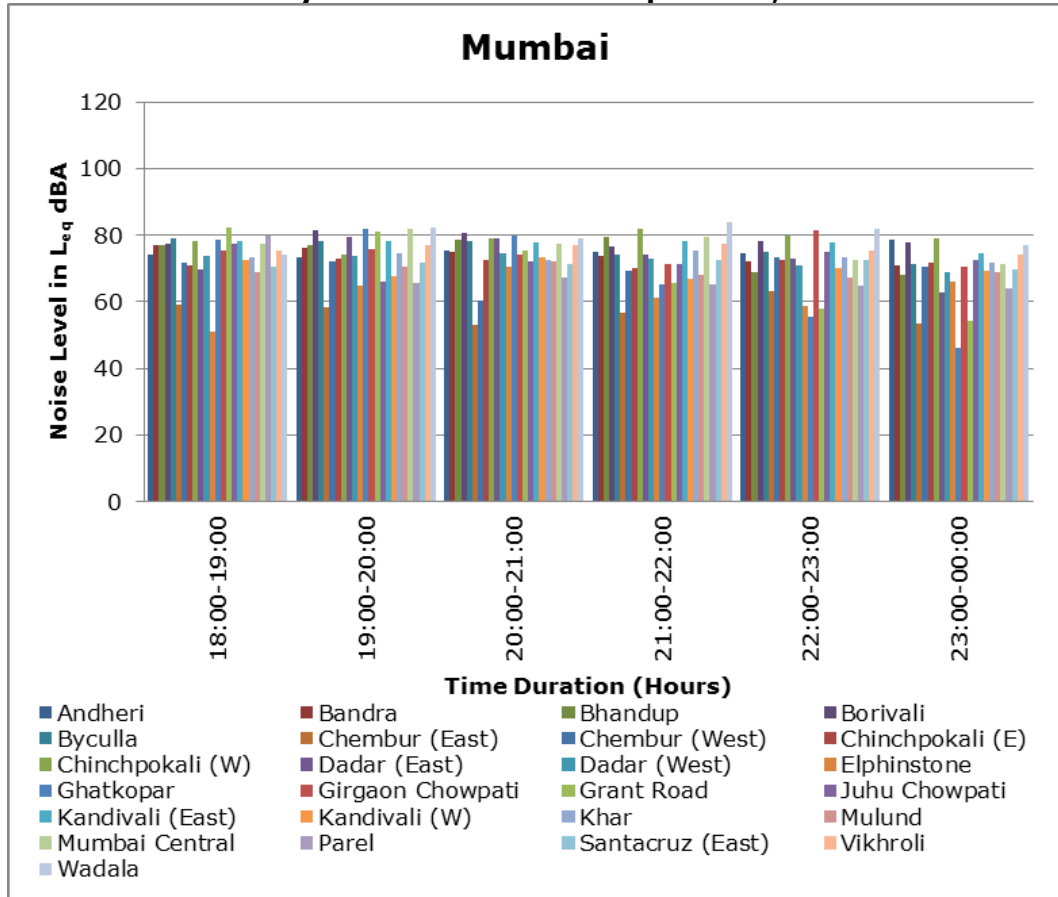
Table 6.25: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Mumbai

Location	L_{max}	L_{min}	L_{Aeq}
Andheri	79	73	75
Bandra	77	71	74
Bhandup	79	68	75
Borivali	82	76	79
Byculla	79	71	76

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Location	L_{max}	L_{min}	L_{Aeq}
Chembur (E)	63	53	57
Chembur (W)	73	60	70
Chinchpokali (E)	73	70	72
Chinchpokali (W)	82	74	79
Dadar (E)	79	63	73
Dadar (W)	75	69	72
Elphinstone	71	51	62
Ghatkopar	82	46	68
Girgaon Chowpati	82	70	75
Grant Road	82	54	69
Juhu Chowpati	77	66	72
Kandivali (E)	78	75	77
Kandivali (W)	74	67	70
Khar	75	72	73
Mulund	72	67	69
Mumbai Central	82	71	77
Parel	80	64	68
Santacruz (E)	73	70	71
Vikhroli	78	74	76
Wadala	84	74	80

Chart 6.37: Hourly Noise levels on 3rd September, 2014 in Mumbai



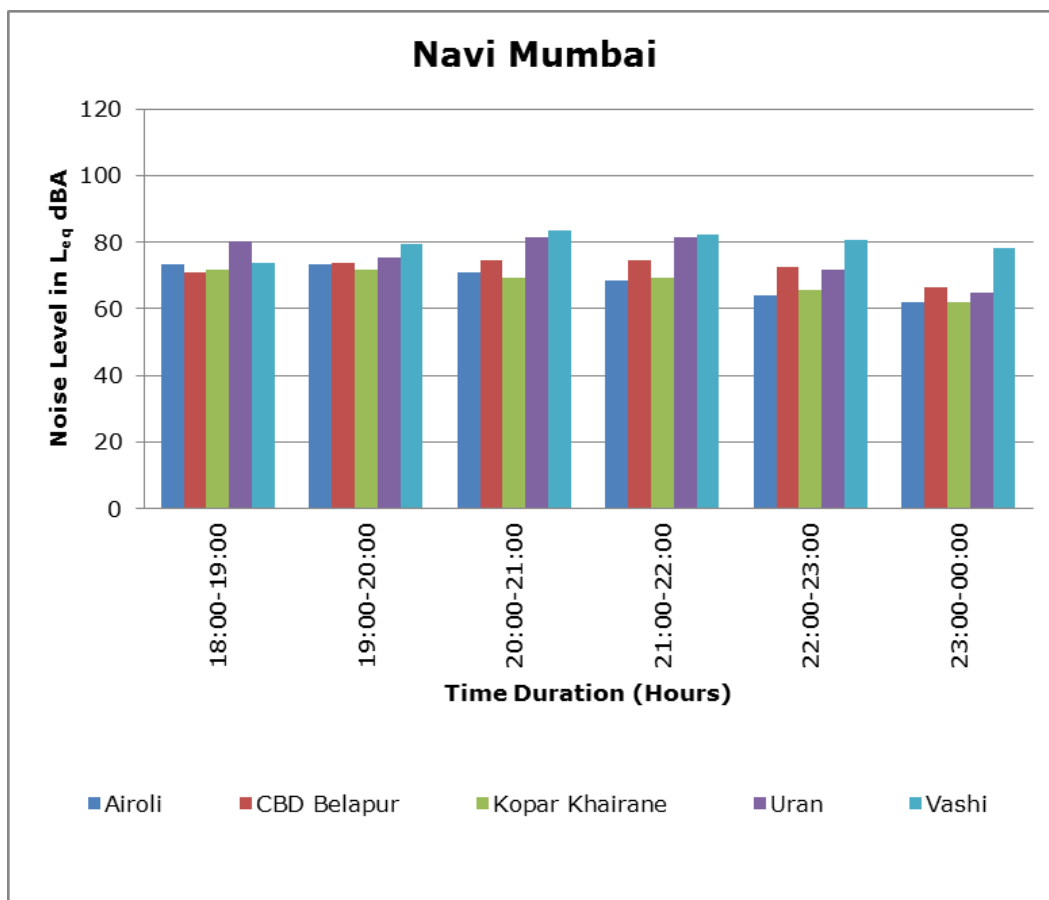
2. Navi Mumbai

The maximum noise level was observed at Uran with 84 dB(A) and minimum noise level of 62 dB(A) was observed both at CBD Belapur and Kopar Khairane. The highest average noise level of 80 dB(A) was observed at Vashi.

Table 6.26: Equivalent Continuous (L_{Aeq})dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Navi Mumbai

Location	L _{max}	L _{min}	L _{Aeq}
Airoli	73	62	69
CBD Belapur	75	66	72
Kopar Khairane	72	62	68
Uran	81	65	76
Vashi	84	74	80

Chart 6.38: Hourly Noise levels on 3rd September, 2014 in Navi Mumbai



3. Thane

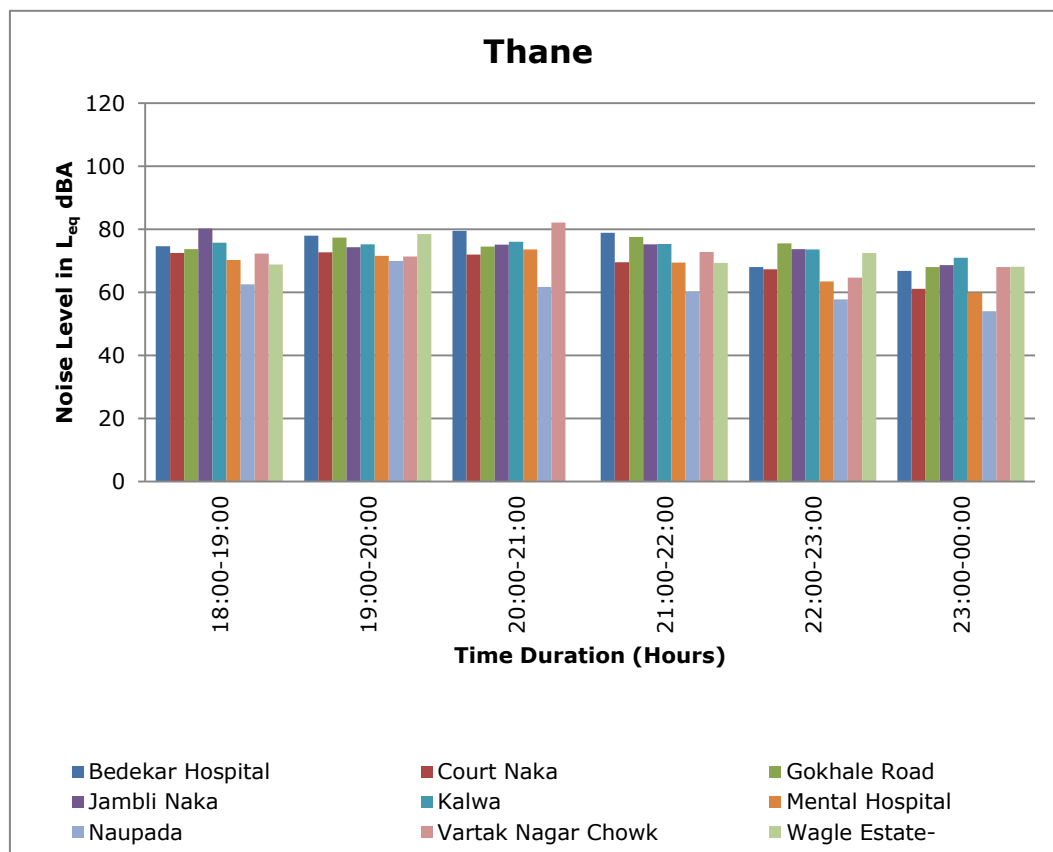
The maximum noise level was observed at Vartak Nagar Chowk with 82 dB(A) and minimum noise level of 54 dB(A) was observed at Naupada. The highest average noise level of 75 dB(A) was observed at Jambli Naka on 3rd September, 2014.

Table 6.27: Equivalent Continuous (L_{Aeq})dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Thane

Location	L_{max}	L_{min}	L_{Aeq}
Gokhale Road	78	68	74
Jambli Naka	80	69	75
Naupada	70	54	61
Vartak Nagar Chowk	82	65	72
Wagle Estate	79	68	71
Court Naka	73	61	69
Mental Hospital	74	60	68

Location	L_{max}	L_{min}	L_{Aeq}
Bedekar Hospital	80	67	74
Kalwa	76	71	74

Chart 6.39: Hourly Noise levels on 3rd September, 2014 in Thane



4. Pune

The noise level in Pune on 3rd September was also found to be high with maximum noise level of 100 dB(A) found in Laxmi Road, Mahatma Phule Madai and Koregaon Park. The maximum noise level of 61dB(A) was observed both at Kothrud and Sarus Baug. The highest average noise level of 88 dB(A) was observed at Mahatma Phule Madai.

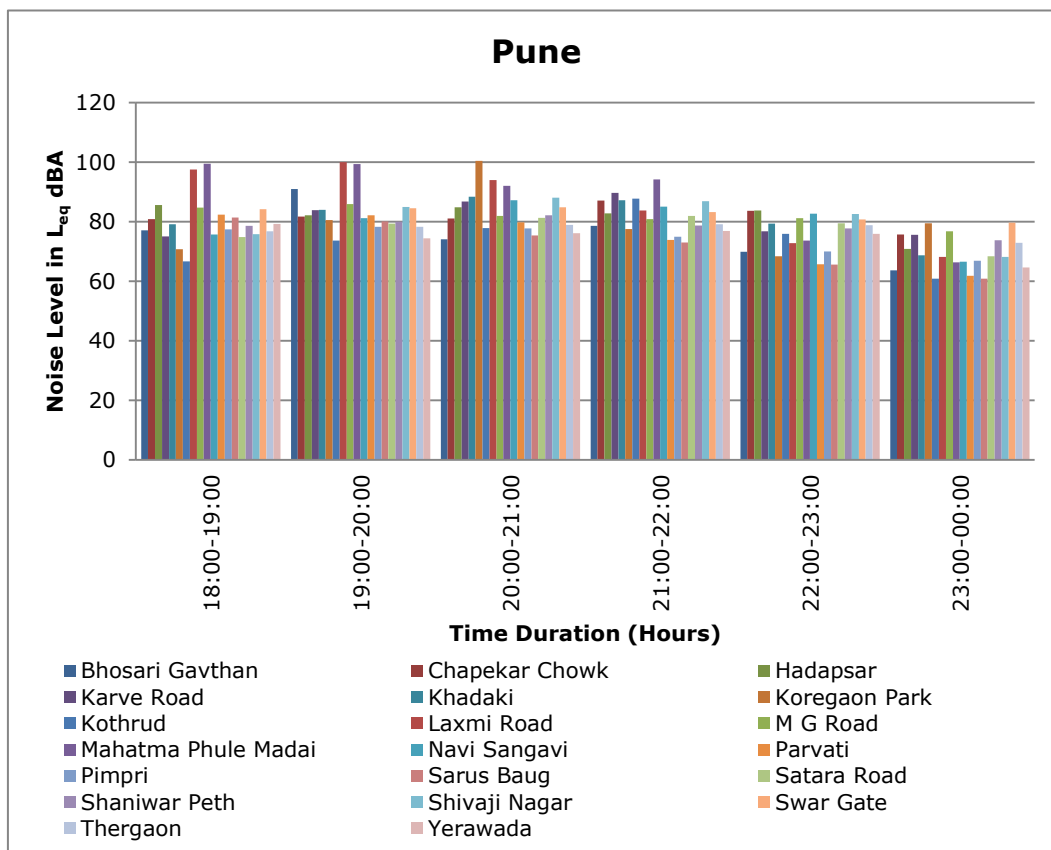
Table 6.28: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Pune

Location	L_{max}	L_{min}	L_{Aeq}
Shivaji Nagar	88	68	81
Karve Road	90	75	81
Swar Gate	85	80	83

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Location	L_{max}	L_{min}	L_{Aeq}
Satara Road	82	68	78
Shaniwar Peth	82	74	79
Yerawada	79	65	75
Laxmi Road	100	68	86
Kothrud	88	61	74
Mahatma Phule Madai	100	66	88
Sarus Baug	81	61	73
Hadapsar	86	71	82
Parvati	82	62	74
Koregaon Park	100	68	80
Khadaki	88	69	81
M G Road	86	77	82
Chapekar Chowk	87	76	82
Pimpri	78	67	74
Thergaon	79	73	77
Navi Sangavi	87	67	80
Bhosari Gavthan	91	64	76

Chart 6.40: Hourly Noise levels on 3rd September, 2014 in Pune



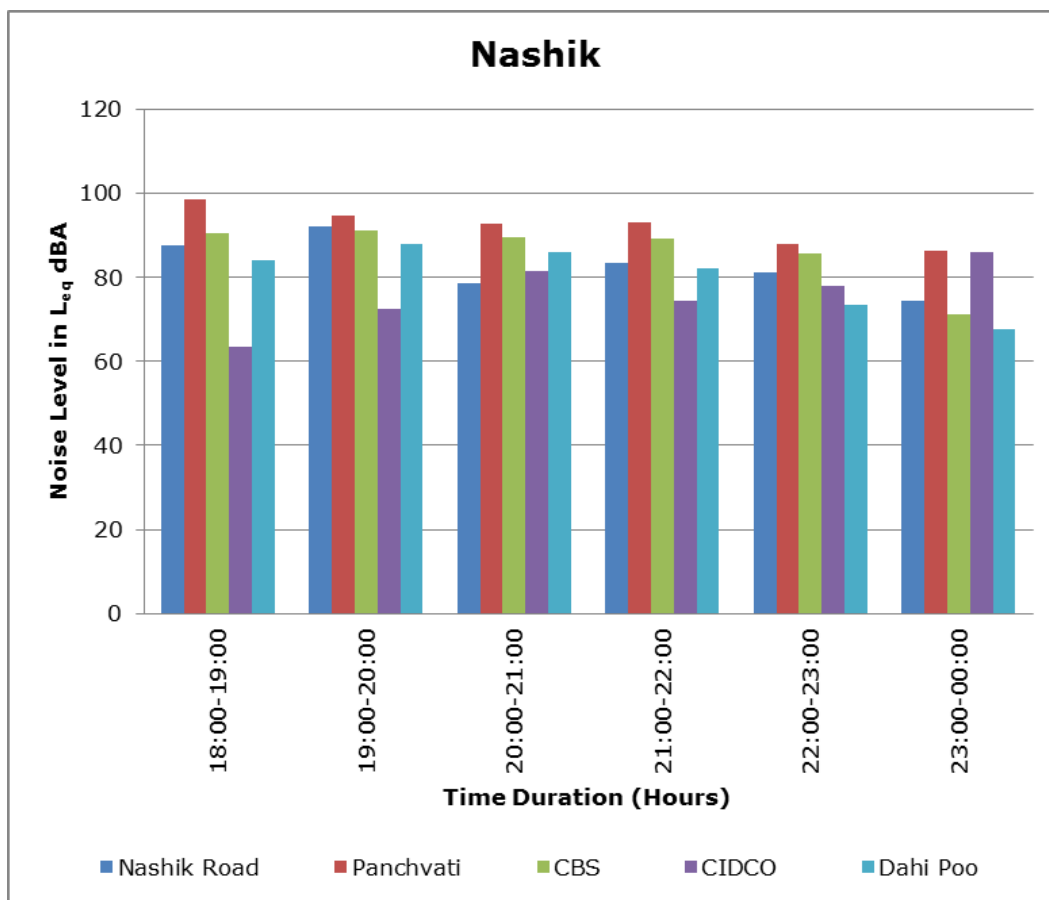
5. Nashik

The maximum noise level of 99 dB(A) was observed at Panchvati and the minimum noise level of 63 dB(A) was observed at CIDCO. The highest average noise level in the locations monitored was observed at Panchvati with 92 dB(A).

Table 6.29: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Nashik

Location	L _{max}	L _{min}	L _{Aeq}
Nashik Road	92	74	83
Panchvati	99	86	92
CBS	91	71	86
CIDCO	86	63	76
Dahi Pool	88	68	80

Chart 6.41: Hourly Noise levels on 3rd September, 2014 in Nashik



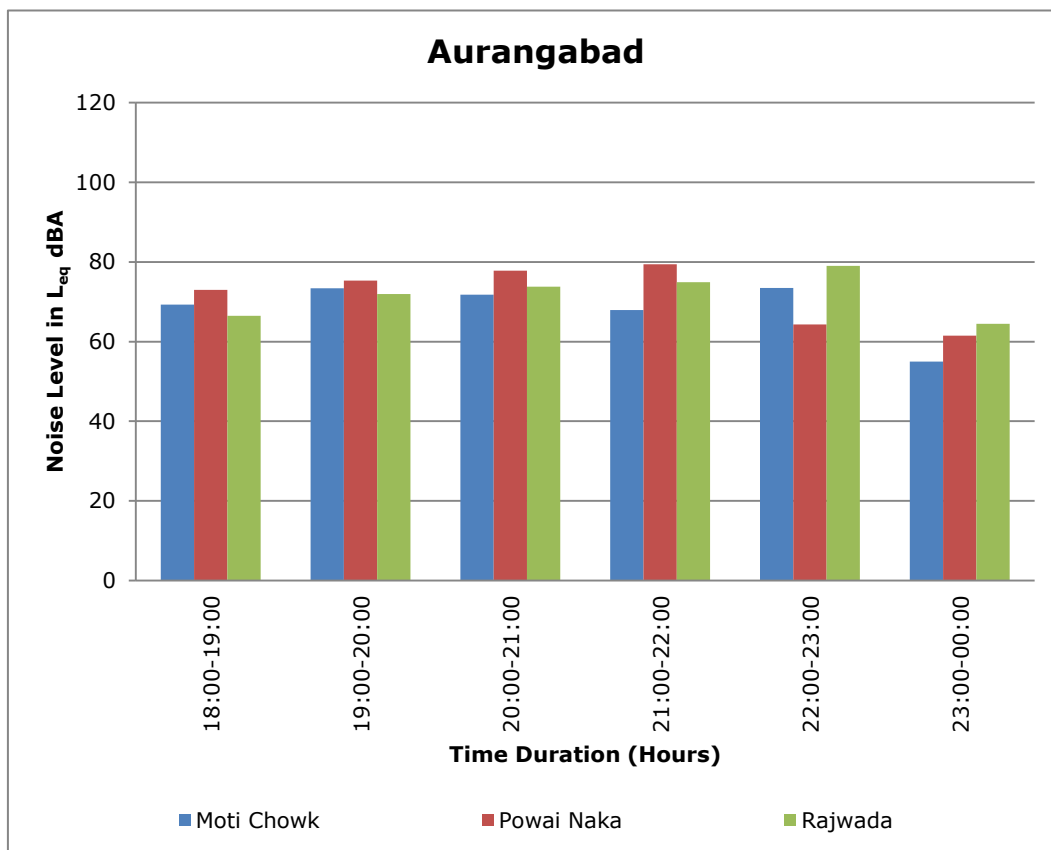
6. Aurangabad

The maximum noise level was observed both at Gulmandi and City Chowk with 79 dB(A) and the minimum noise level of 54 dB(A) was observed at CIDCO residential. The maximum average noise level was observed at Kranti Chowk with 74 dB(A).

Table 6.30: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Aurangabad

Location	L_{max}	L_{min}	L_{Aeq}
Gulmandi	79	63	72
City Chowk	74	65	69
Kranti Chowk	79	68	74
CIDCO Residential	70	54	62
Usmanpura	72	63	67

Chart 6.42: Hourly Noise levels on 3rd September, 2014 in Aurangabad



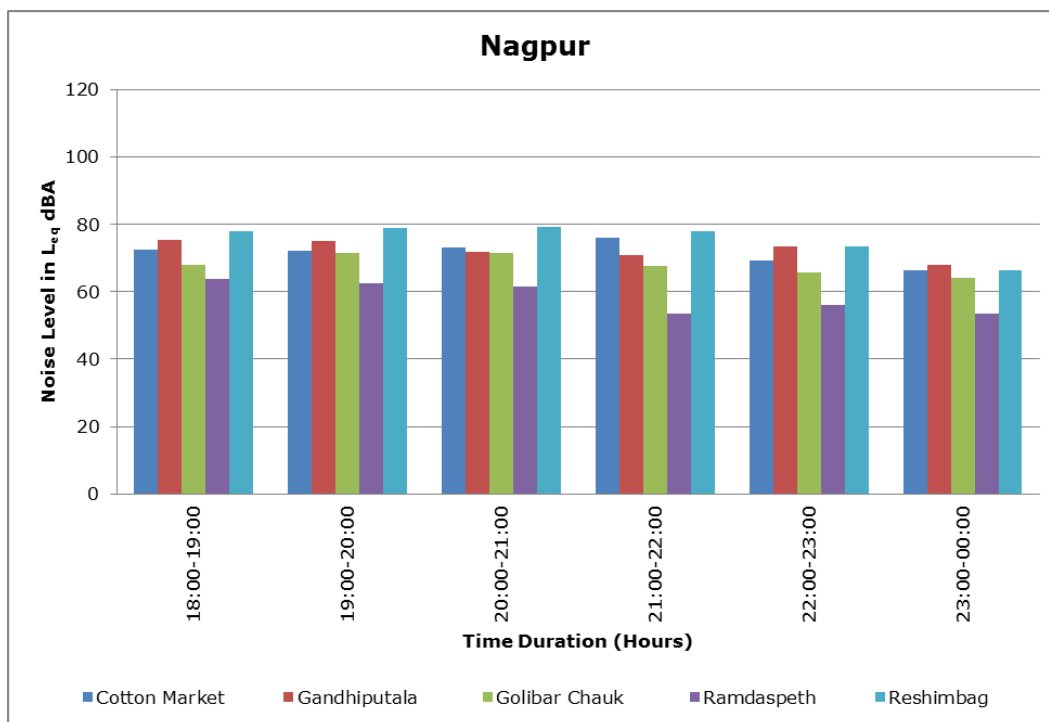
7. Nagpur

The maximum noise level at Nagpur was observed at Reshmibag with 79 dB(A) and the minimum noise level of 53 dB(A) was found at Ramdaspath. The maximum average noise level was found at Reshmibag with 76 dB(A).

Table 6.31: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Nagpur

Location	L_{max}	L_{min}	L_{Aeq}
Ramdaspath	64	53	58
Cotton Market	76	66	72
Golibar Chauk	72	64	68
Reshmibag	79	66	76
Gandhiputala	75	68	72

Chart 6.43: Hourly Noise levels on 3rd September, 2014 in Nagpur



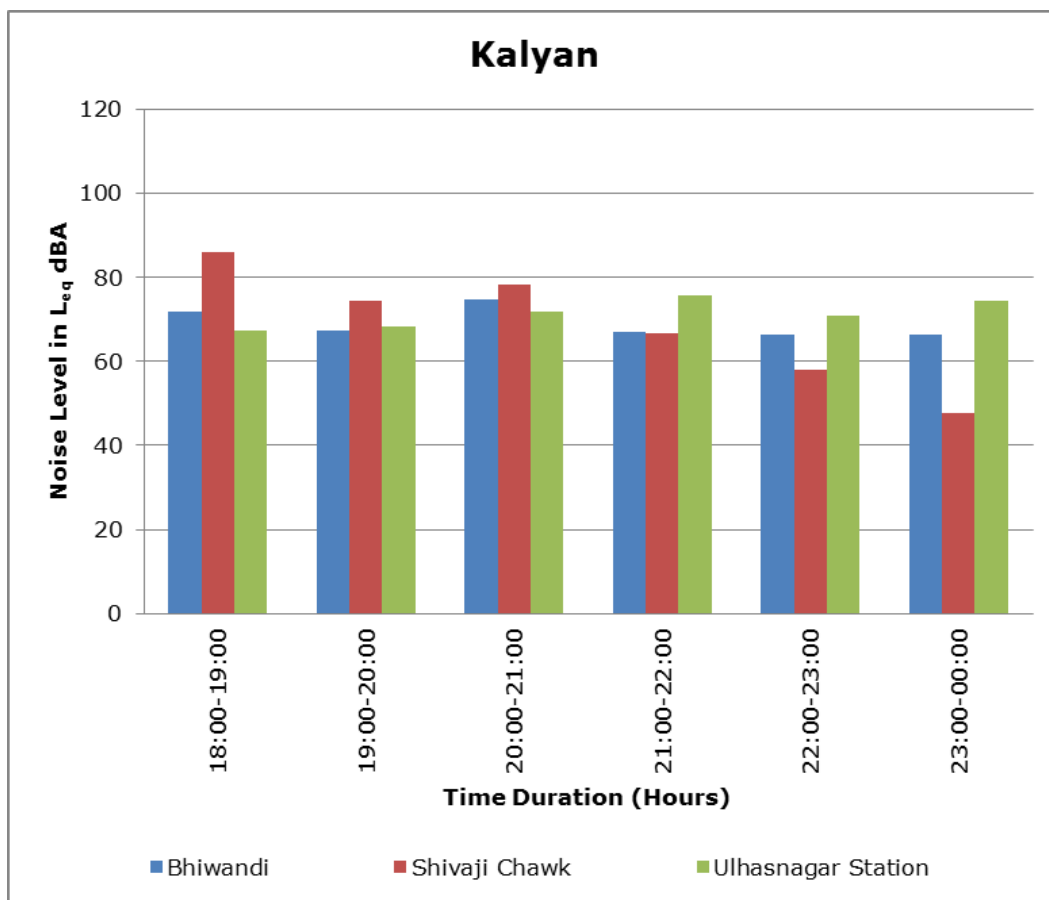
8. Kalyan

The maximum noise level was observed at Shivaji Chawk with 86 dB(A) and the minimum noise level of 48 dB(A) was also observed at Shivaji Chawk. The maximum average noise level of 71 dB(A) was observed both at Ulhasnagar Station.

Table 6.32: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Kalyan

Location	L_{max}	L_{min}	L_{Aeq}
Bhiwandi- Dhamankar Naka	75	66	69
Shivaji Chawk	86	48	68
Ulhasnagar Station	76	67	71

Chart 6.44: Hourly Noise levels on 3rd September, 2014 in Kalyan



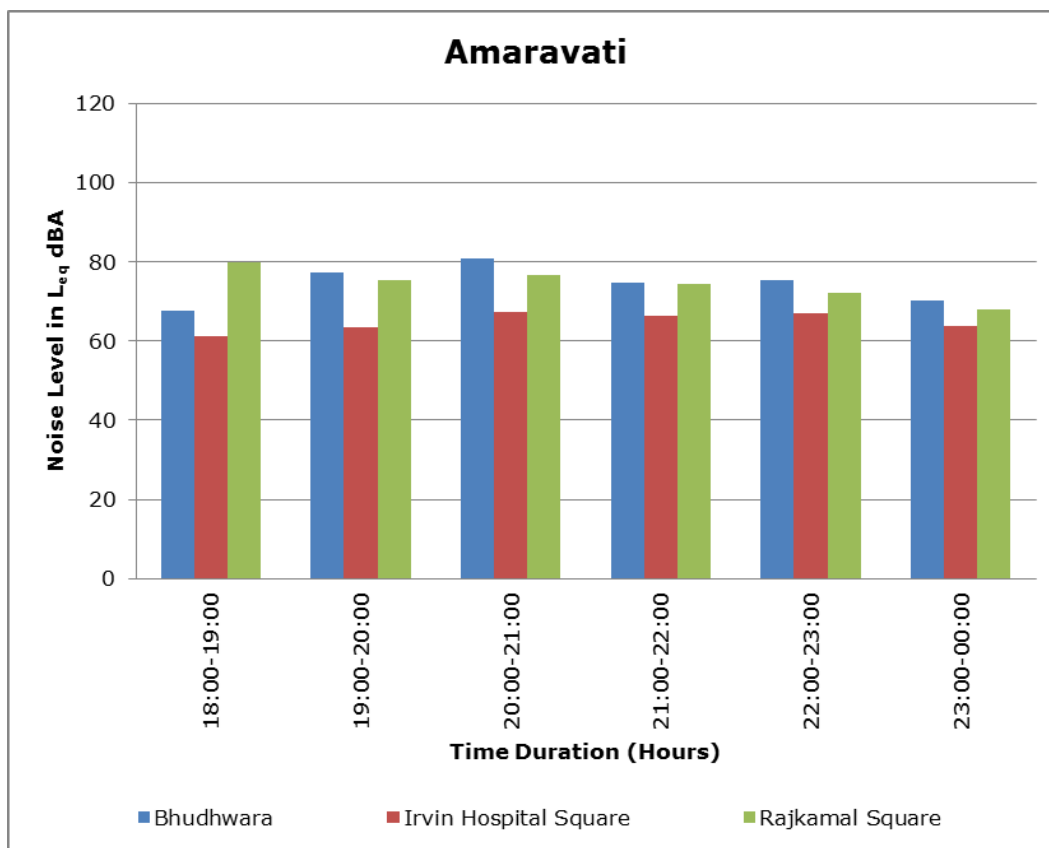
9. Amravati

The maximum noise level in Amravati was observed at Bhudwara with 81 dB(A) and the minimum noise level was observed at Irvin Hospital Square of 67 dB(A). The maximum average noise level was observed at both Rajkamal Square and Bhudwara with 74 dB(A).

Table 6.33: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Amravati

Location	L_{max}	L_{min}	L_{Aeq}
Bhudwara	81	68	74
Rajkamal Square	80	68	74
Irvin Hospital Square	67	61	65

Chart 6.45: Hourly Noise levels on 3rd September, 2014 in Amravati



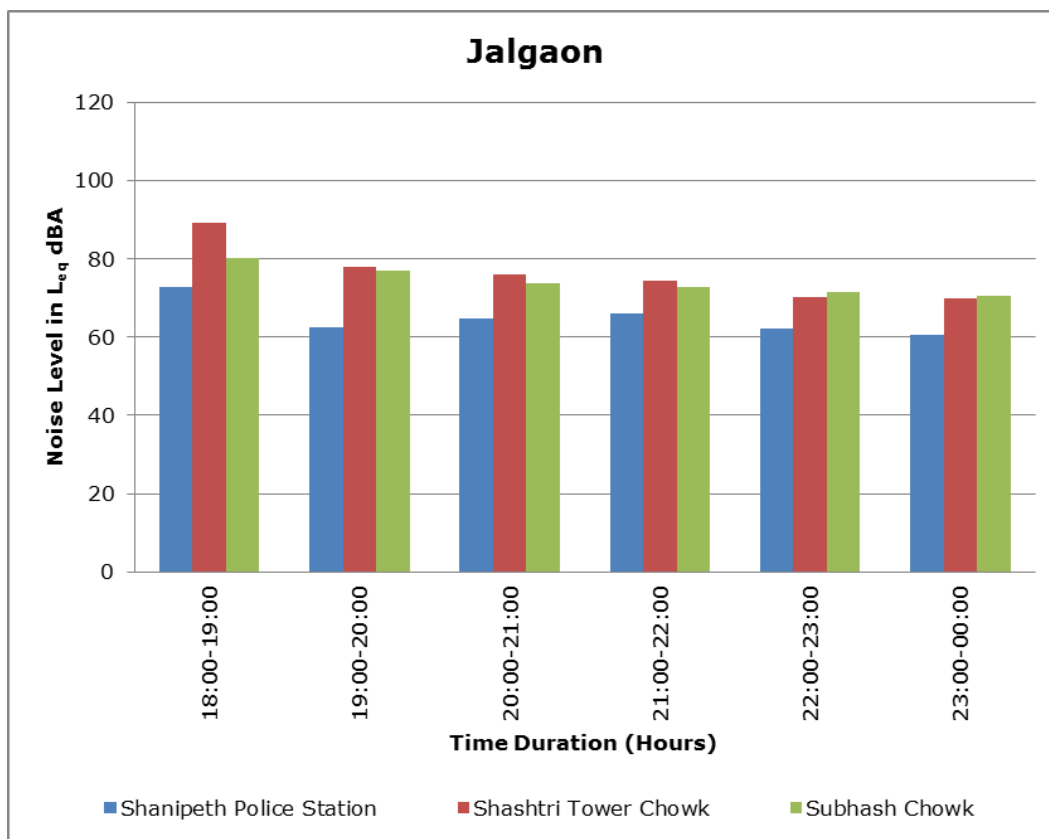
10. Jalgaon

The maximum noise level during day time was observed at Shashtri Tower Chowk with 89 dB(A) and the minimum noise level was observed at Shanipeth Police Station with 61 dB(A). The maximum average noise level of 76 dB(A) was observed at Shashtri Tower Chowk.

Table 6.34: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Jalgaon

Location	L_{max}	L_{min}	L_{Aeq}
Subhash Chowk	80	71	74
Shashtri Tower Chowk	89	70	76
Shanipeth Police Station	73	61	65

Chart 6.46: Hourly Noise levels on 3rd September, 2014 in Jalgaon



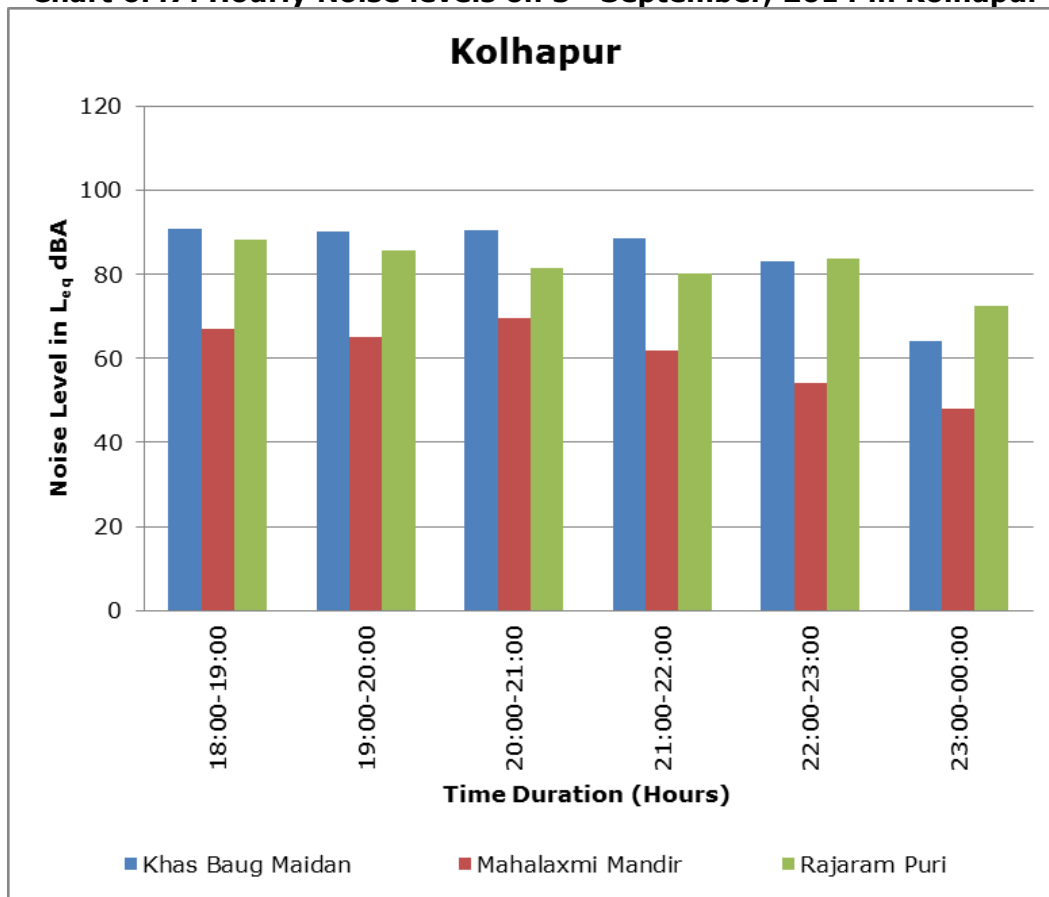
11. Kolhapur

The maximum noise level was observed at Khas Baug Maidan with 91 dB(A) and the minimum noise level was observed at Mahalaxmi Mandir with 48 dB(A). The maximum average noise level of 84 dB(A) was observed at Khas Baug Maidan.

Table 6.35: Equivalent Continuous (L_{Aeq})dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Kolhapur

Location	L_{max}	L_{min}	L_{Aeq}
Rajaram Puri	88	72	82
Mahalaxmi Mandir	70	48	61
Khas Baug Maidan	91	64	84

Chart 6.47: Hourly Noise levels on 3rd September, 2014 in Kolhapur



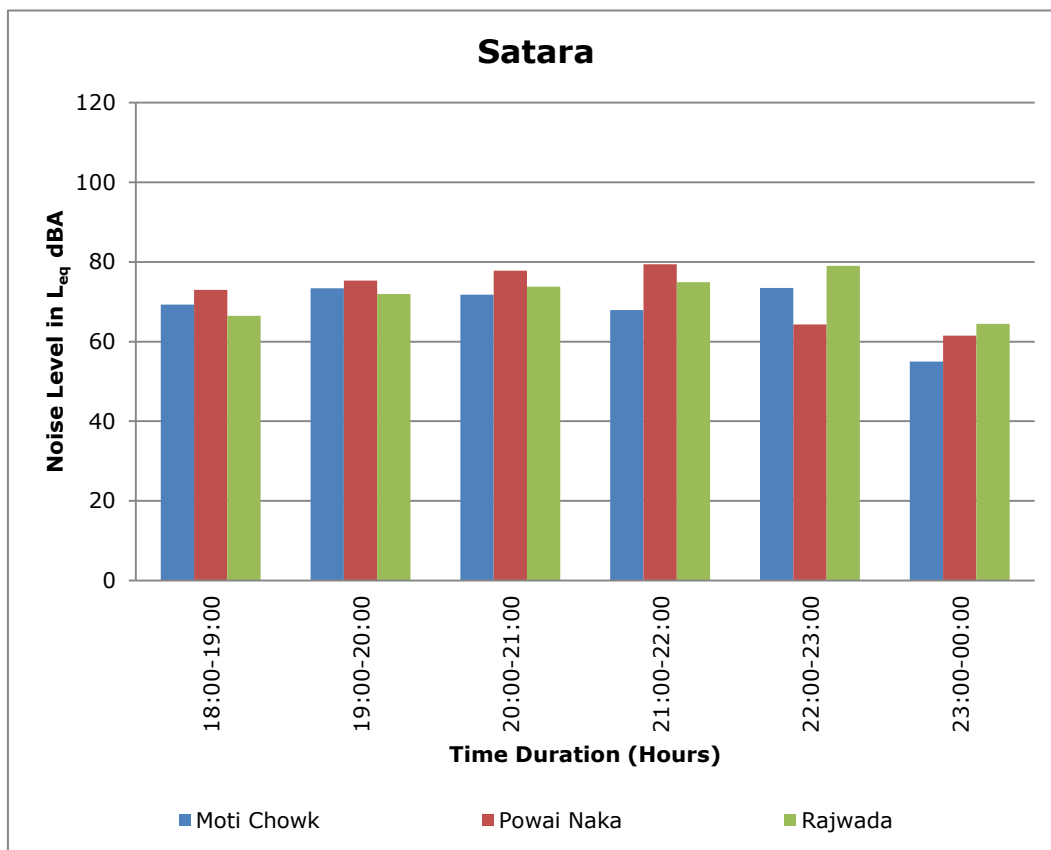
12. Satara

The maximum noise level at Satara was observed both at Rajwada and Powai Naka with 79 dB(A) and the minimum noise level was observed at Moti Chowk with 55 dB(A). The maximum average noise level of 72 dB(A) was observed both at Rajwada and Powai Naka.

Table 6.36: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 3rd September, 2014 in Satara

Location	L_{max}	L_{min}	L_{Aeq}
Powai Naka	79	62	72
Moti Chowk	74	55	68
Rajwada	79	65	72

Chart 6.48: Hourly Noise levels on 3rd September, 2014 in Satara



IV. Noise Levels on 6th September, 2014

On 6th September also the visarjan was not taken place and the increase in noise level is due to the other festive reasons

1. Mumbai

The maximum noise level of Mumbai region was observed at Mumbai Central with 92 dB(A) and the minimum noise level of 65 dB(A) was observed at Borivali. The maximum average noise level of 80 dB(A) was also observed at Wadala.

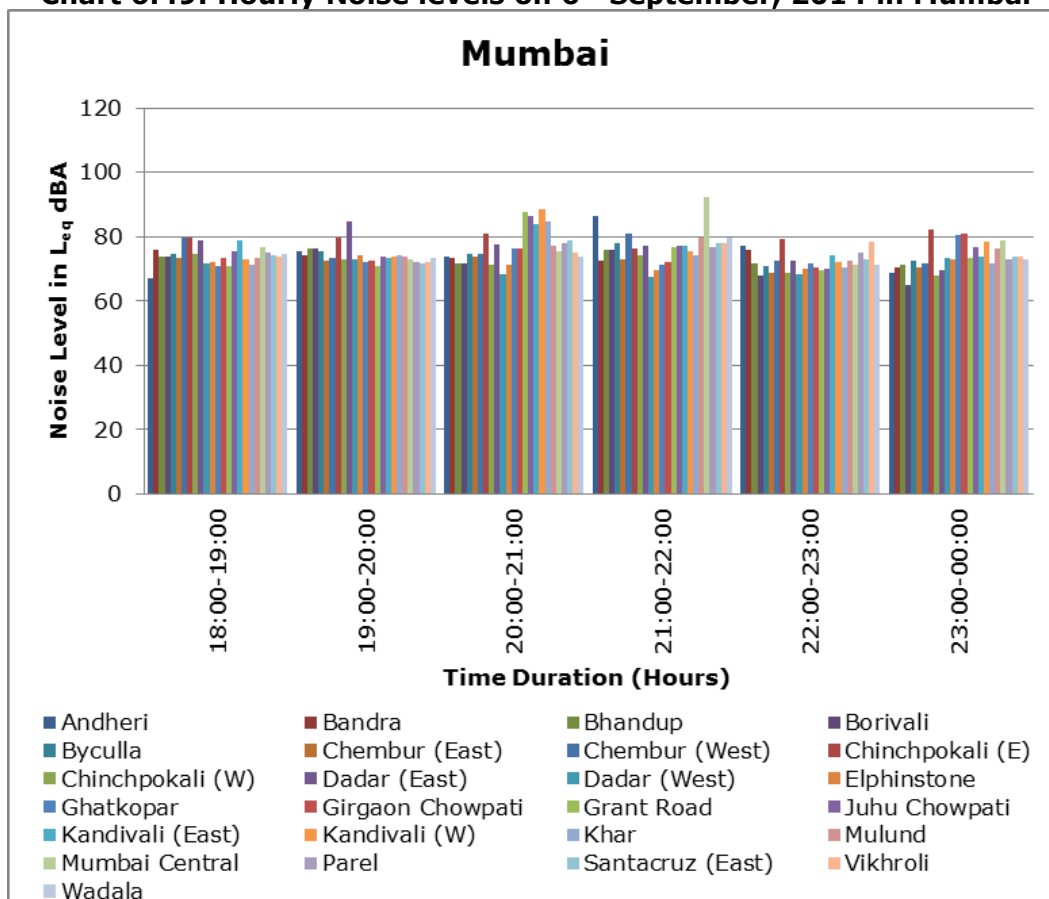
Table 6.37: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Mumbai

Location	L_{max}	L_{min}	L_{Aeq}
Andheri	86	67	75
Bandra	76	71	74
Bhandup	76	71	73
Borivali	76	65	72
Byculla	78	71	74

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Location	L_{max}	L_{min}	L_{Aeq}
Chembur (E)	74	69	72
Chembur (W)	81	71	75
Chinchpokali (E)	82	76	80
Chinchpokali (W)	75	68	72
Dadar (E)	85	70	77
Dadar (W)	73	67	70
Elphinstone	74	69	72
Ghatkopar	81	71	74
Girgaon Chowpati	81	70	74
Grant Road	88	70	75
Juhu Chowpati	86	70	76
Kandivali (E)	84	73	77
Kandivali (W)	89	72	77
Khar	85	70	74
Mulund	80	73	75
Mumbai Central	92	71	78
Parel	78	72	75
Santacruz (E)	79	72	75
Vikhroli	78	72	75
Wadala	80	71	74

Chart 6.49: Hourly Noise levels on 6th September, 2014 in Mumbai



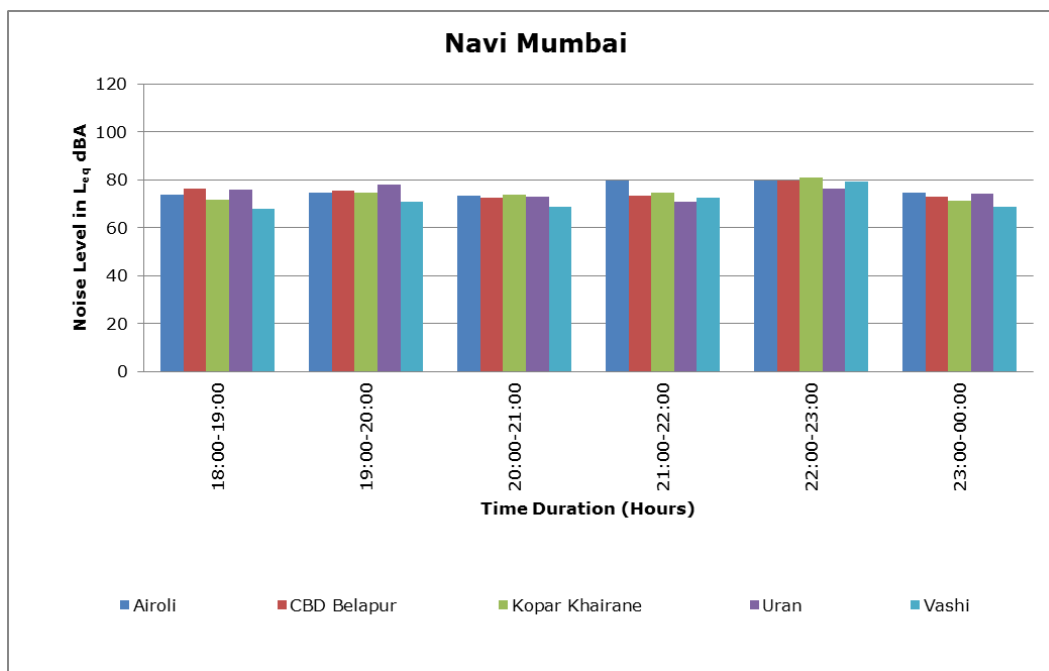
2. Navi Mumbai

The maximum noise level was observed at Kopar Khairane with 81 dB(A) and minimum noise level of 68 dB(A) was observed at Vashi. The maximum average noise level of 80 dB(A) was observed at Airoli.

Table 6.38: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Navi Mumbai

Location	L_{max}	L_{min}	L_{Aeq}
Airoli	80	73	76
CBD Belapur	79	72	75
Kopar Khairane	81	71	74
Uran	78	71	75
Vashi	79	68	71

Chart 6.50: Hourly Noise levels on 6th September, 2014 in Navi Mumbai



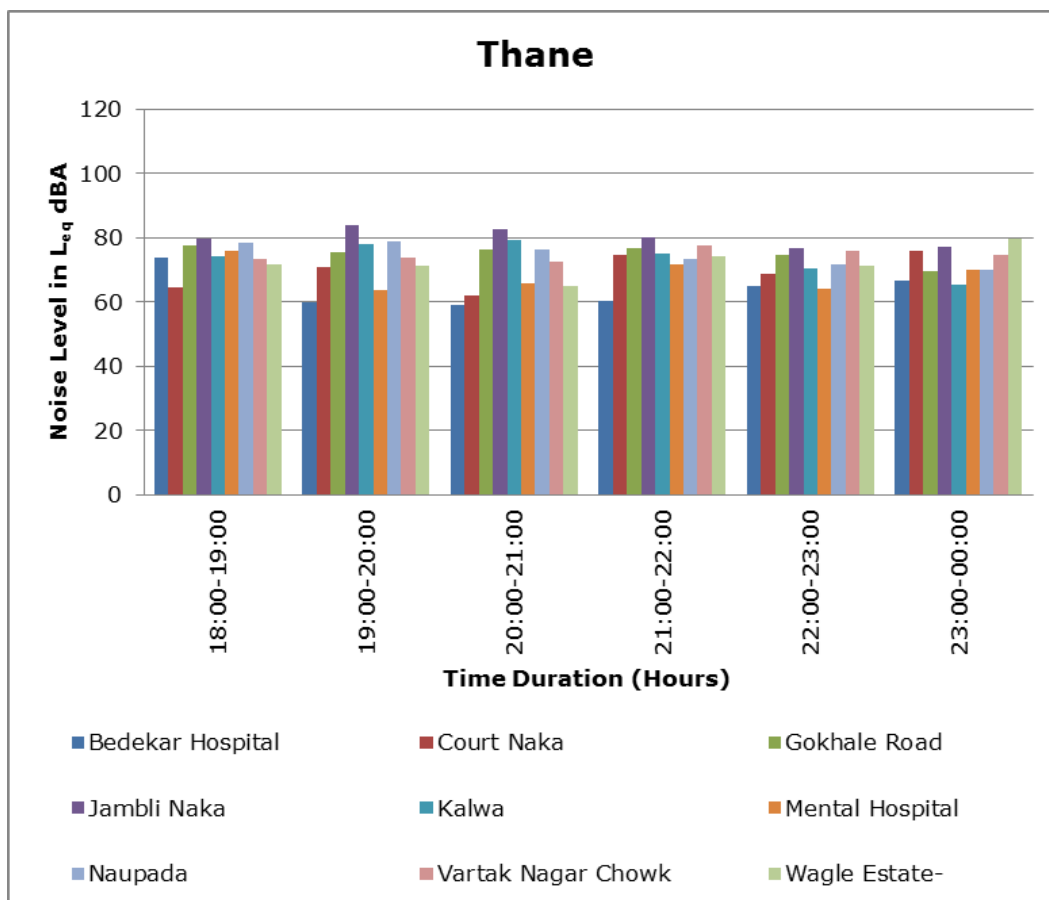
3. Thane

The maximum noise level was observed at Jambli Naka with 84 dB(A) and minimum noise level of 59 dB(A) was observed at Bedekar Hospital. The highest average noise level of 80 dB(A) was observed at Jambli Naka.

Table 6.39: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Thane

Location	L_{max}	L_{min}	L_{Aeq}
Gokhale Road	77	69	75
Jambli Naka	84	77	80
Naupada	79	70	75
Vartak Nagar Chowk	78	73	75
Wagle Estate	80	65	72
Court Naka	76	62	69
Mental Hospital	76	64	68
Bedekar Hospital	74	59	64
Kalwa	79	65	74

Chart 6.51: Hourly Noise levels on 6th September, 2014 in Thane



4. Pune

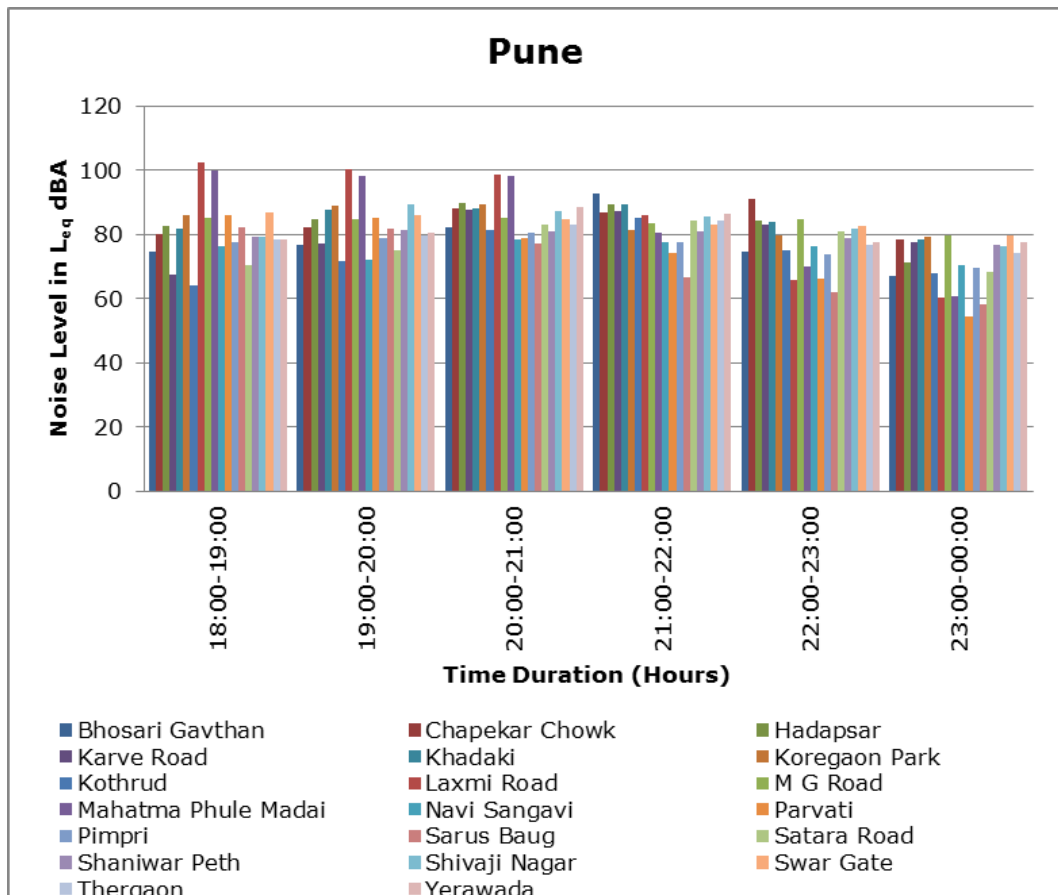
The maximum noise level of 103 dB(A) found in Laxmi Road and the minimum noise level of 54 dB(A) was observed at Parvati. The highest average noise level of 86 dB(A) was observed at Laxmi Road.

Table 6.40: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Pune

Location	L_{max}	L_{min}	L_{Aeq}
Shivaji Nagar	89	76	83
Karve Road	87	67	80
Swar Gate	87	80	84
Satara Road	84	68	77
Shaniwar Peth	81	77	80
Yerawada	88	77	81
Laxmi Road	103	60	86
Kothrud	85	64	74

Location	L _{max}	L _{min}	L _{Aeq}
Mahatma Phule Madai	100	61	84
Sarus Baug	82	58	71
Hadapsar	90	71	84
Parvati	86	54	74
Koregaon Park	89	79	84
Khadaki	89	79	85
M G Road	85	80	84
Chapekar Chowk	91	78	84
Pimpri	80	69	76
Thergaon	84	74	79
Navi Sangavi	78	70	75
Bhosari Gavthan	93	67	78

Chart 6.52: Hourly Noise levels on 6th September, 2014 in Pune



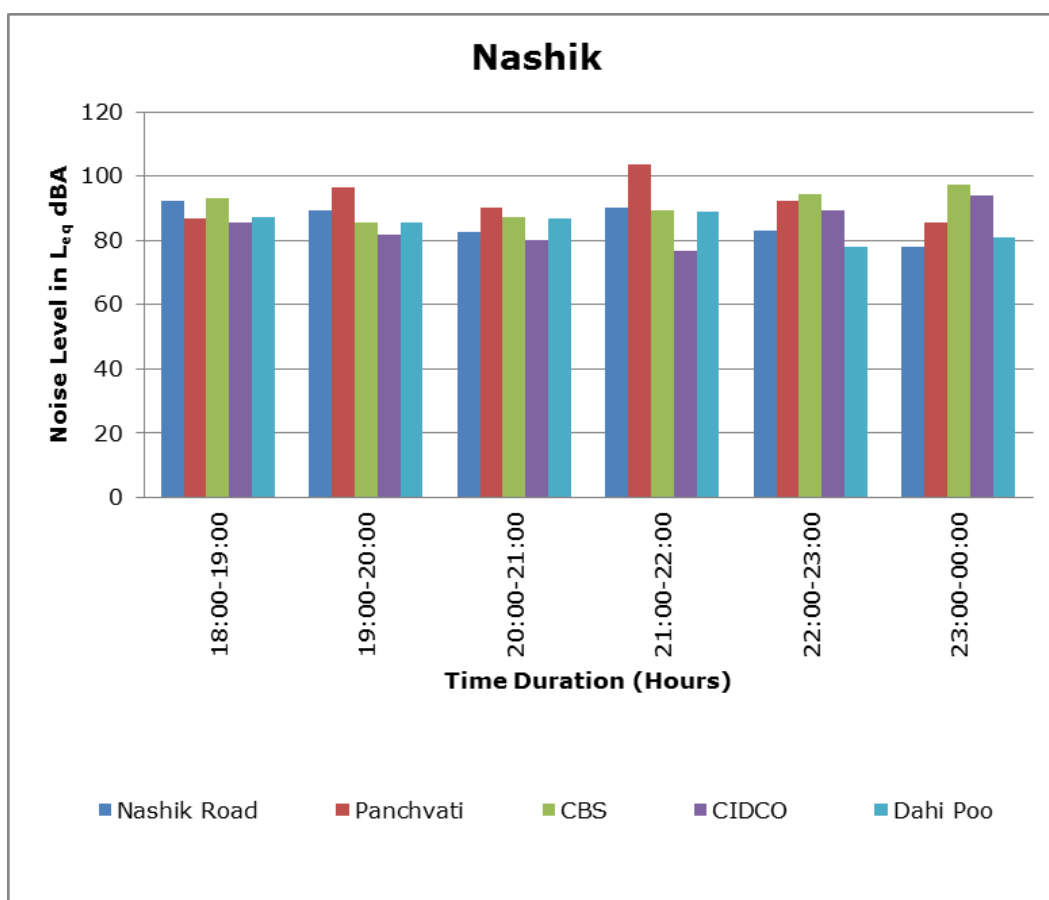
5. Nashik

The maximum noise level of 104 dB(A) was observed at Panchvati and the minimum noise level of 77 dB(A) was observed at CIDCO. The maximum average noise level in the locations monitored was observed at Panchvati with 92 dB(A).

Table 6.41: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Nashik

Location	L_{max}	L_{min}	L_{Aeq}
Nashik Road	92	78	86
Panchvati	104	86	92
CBS	97	85	91
CIDCO	94	77	85
Dahi Pool	89	78	84

Chart 6.53: Hourly Noise levels on 6th September, 2014 in Nashik



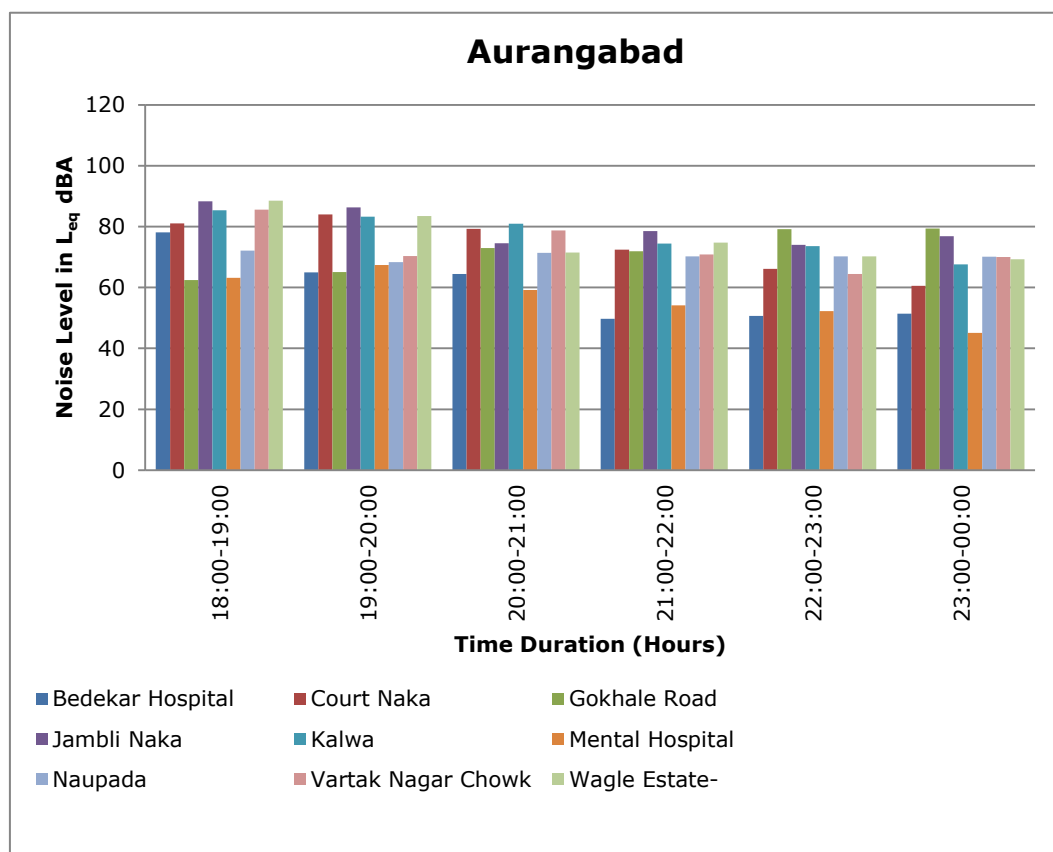
6. Aurangabad

The maximum noise level was observed at Gulmandi with 82 dB(A) and the minimum noise level of 62 dB(A) was observed at CIDCO residential. The maximum average noise level was observed at Kranti Chowk with 77 dB(A).

Table 6.42: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Aurangabad

Location	L_{max}	L_{min}	L_{Aeq}
Gulmandi	82	68	75
City Chowk	77	67	73
Kranti Chowk	81	71	77
CIDCO Residential	73	62	68
Usmanpura	79	65	72

Chart 6.54: Hourly Noise levels on 6th September, 2014 in Aurangabad



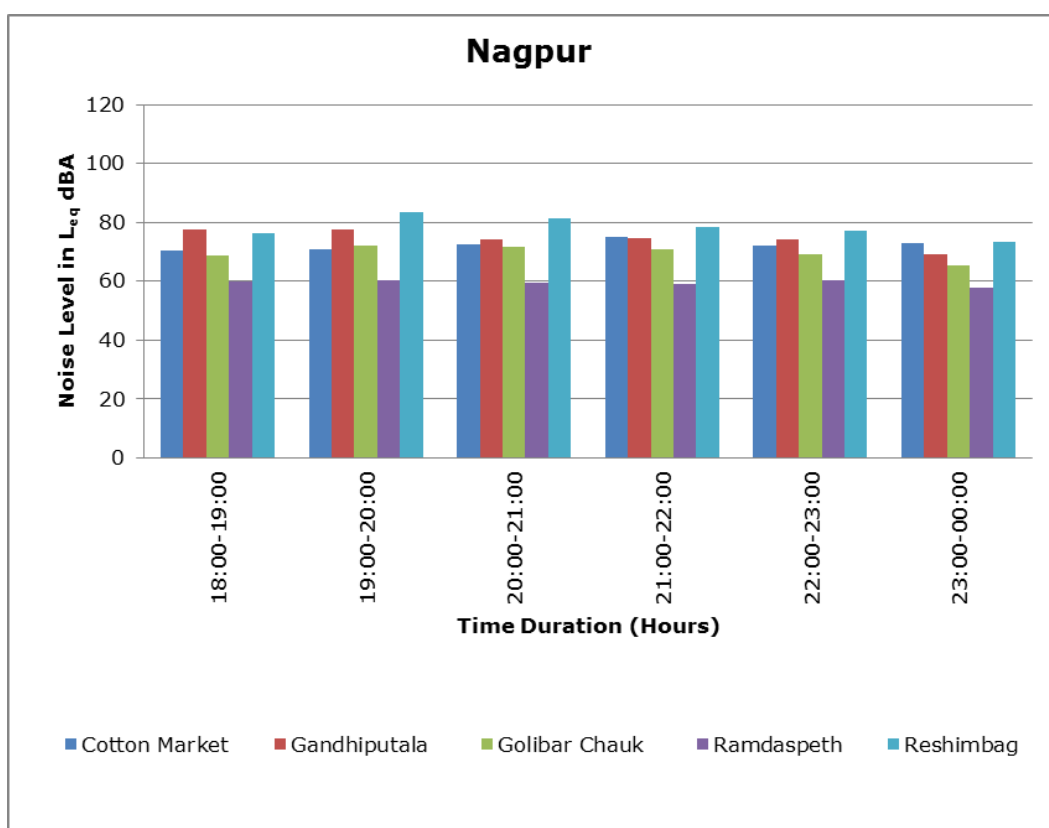
7. Nagpur

The maximum noise level at Nagpur was observed at Reshmibag with 83 dB(A) and the minimum noise level of 58 dB(A) was found at Ramdaspath. The maximum average noise level was found at Reshmibag with 78 dB(A).

Table 6.43: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Nagpur

Location	L_{max}	L_{min}	L_{Aeq}
Ramdaspath	60	58	59
Cotton Market	75	70	72
Golibar Chauk	72	65	70
Reshimbag	83	74	78
Gandhiputala	78	69	74

Chart 6.55: Hourly Noise levels on 6th September, 2014 in Nagpur



8. Kalyan

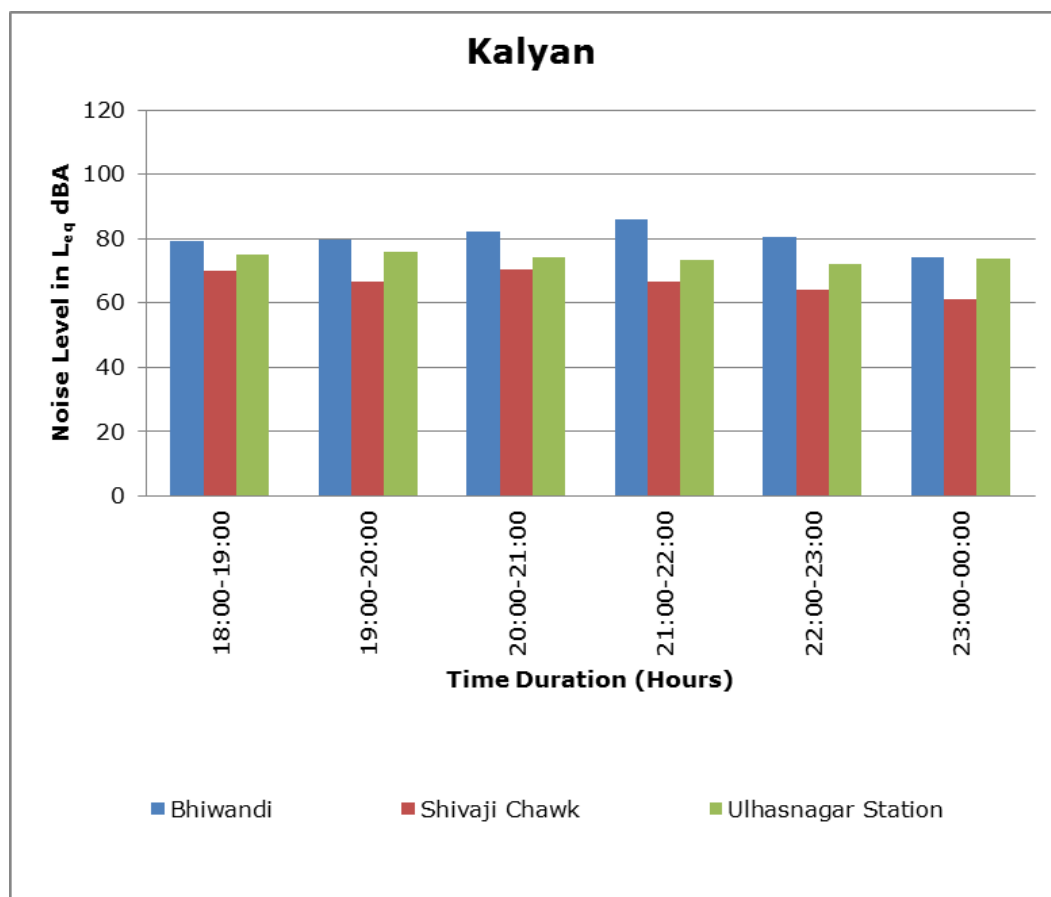
The maximum noise level was observed at Bhiwandi- Dhamankar Naka with 86 dB(A) and the minimum noise level of 61 dB(A) was observed at Shivaji Chawk. The maximum average noise level of 80 dB(A) was observed both at Bhiwandi- Dhamankar Naka.

Table 6.44: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Kalyan

Location	L_{max}	L_{min}	L_{Aeq}
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Location	L_{max}	L_{min}	L_{Aeq}
Bhiwandi- Dhamankar Naka	86	74	80
Shivaji Chawk	70	61	66
Ulhasnagar Station	76	72	74

Chart 6.56 Hourly Noise levels on 6th September, 2014 in Kalyan



9. Amravati

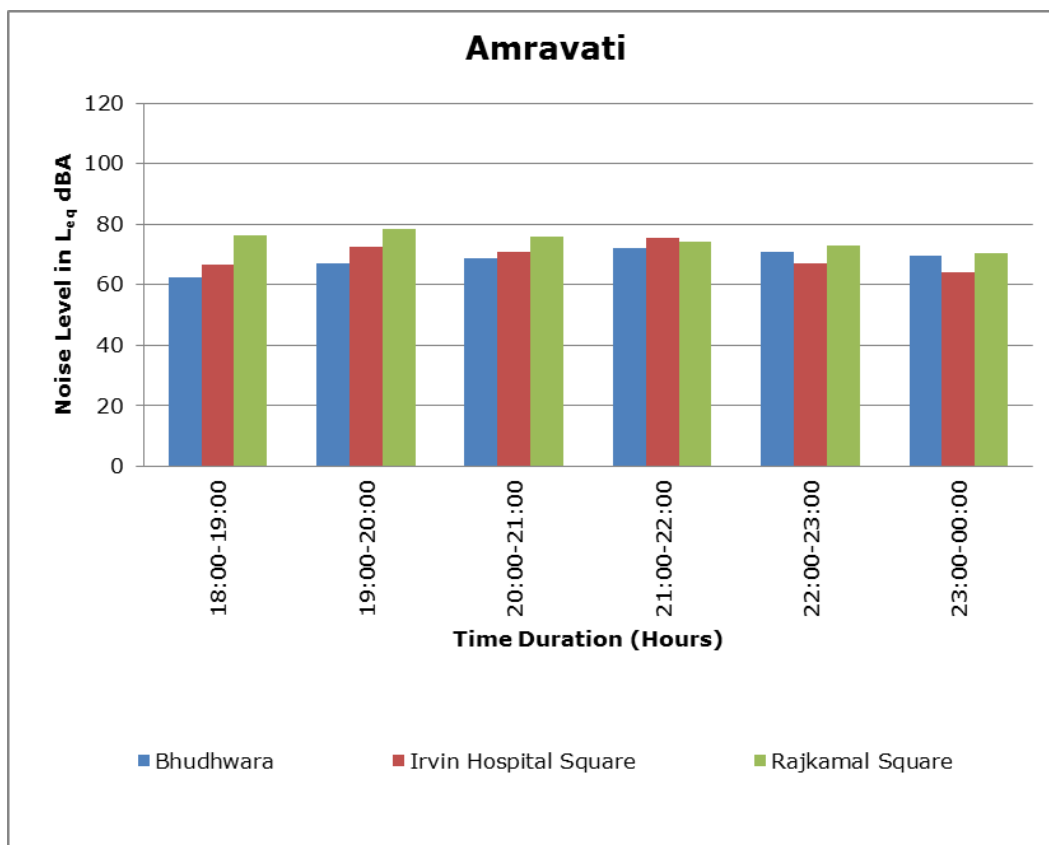
The maximum noise level in Amravati was observed at Rajkamal Square with 79 dB(A) and the minimum noise level was observed at Bhudwara of 62 dB(A). The maximum average noise level was observed at Rajkamal Square with 75 dB(A).

Table 6.45: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Amravati

Location	L_{max}	L_{min}	L_{Aeq}
Bhudwara	72	62	68
Rajkamal Square	79	70	75

Location	L_{max}	L_{min}	L_{Aeq}
Irvin Hospital Square	75	64	69

Chart 6.57: Hourly Noise levels on 6th September, 2014 in Amravati



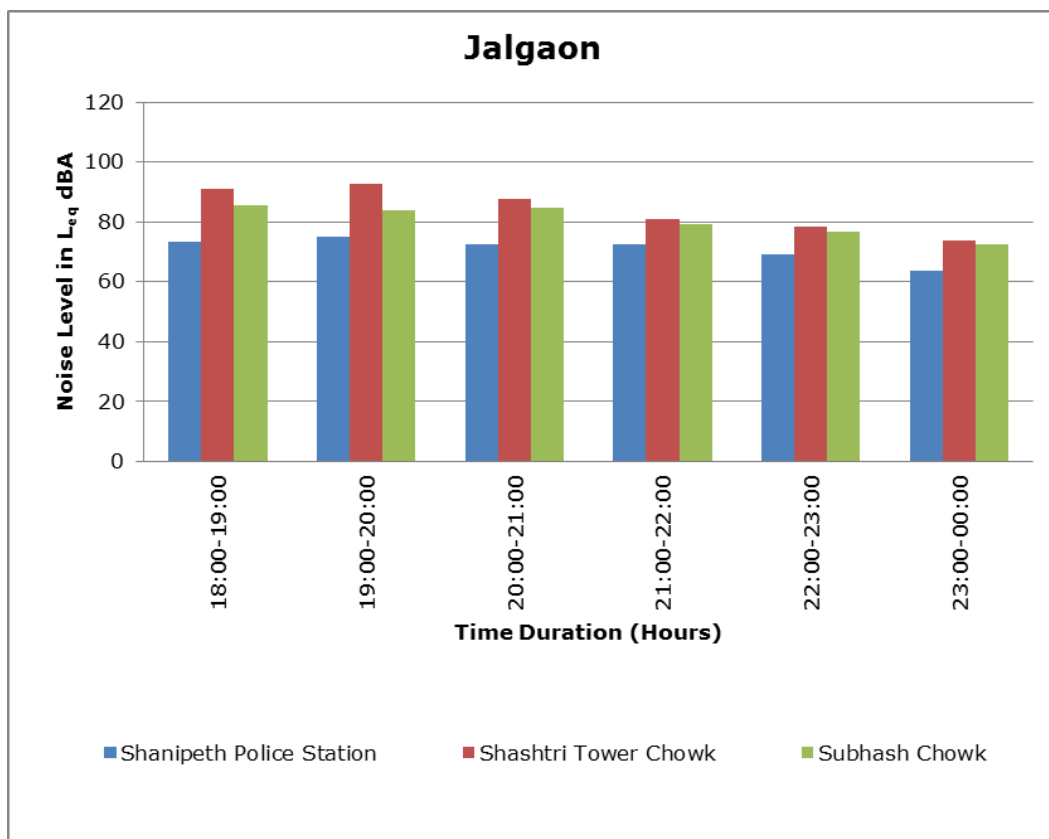
10. Jalgaon

The maximum noise level was observed at Shashtri Tower Chowk with 93 dB(A) and the minimum noise level was observed at Shanipeth Police Station with 64 dB(A). The maximum average noise level of 84 dB(A) was observed at Shashtri Tower Chowk.

Table 6.46: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Jalgaon

Location	L_{max}	L_{min}	L_{Aeq}
Subhash Chowk	86	72	80
Shashtri Tower Chowk	93	74	84
Shanipeth Police Station	75	64	71

Chart 6.58: Hourly Noise levels on 6thSeptember, 2014 in Jalgaon



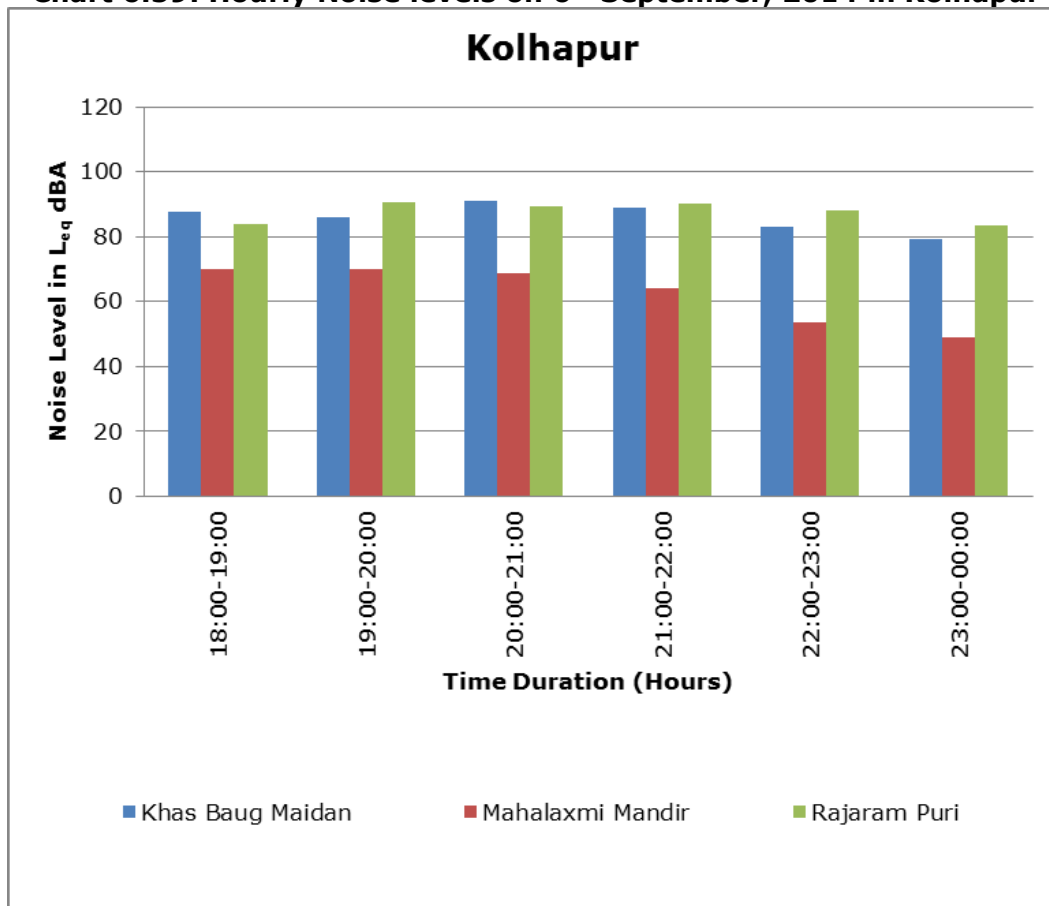
11. Kolhapur

The maximum noise level was observed both at Khas Baug Maidan and Rajaram Puri with 91 dB(A) and the minimum noise level was observed at Mahalaxmi Mandir with 49 dB(A). The maximum average noise level of 88 dB(A) was observed at Rajaram Puri.

Table 6.47: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Kolhapur

Location	L_{max}	L_{min}	L_{Aeq}
Rajaram Puri	91	83	88
Mahalaxmi Mandir	70	49	62
Khas Baug Maidan	91	79	86

Chart 6.59: Hourly Noise levels on 6th September, 2014 in Kolhapur



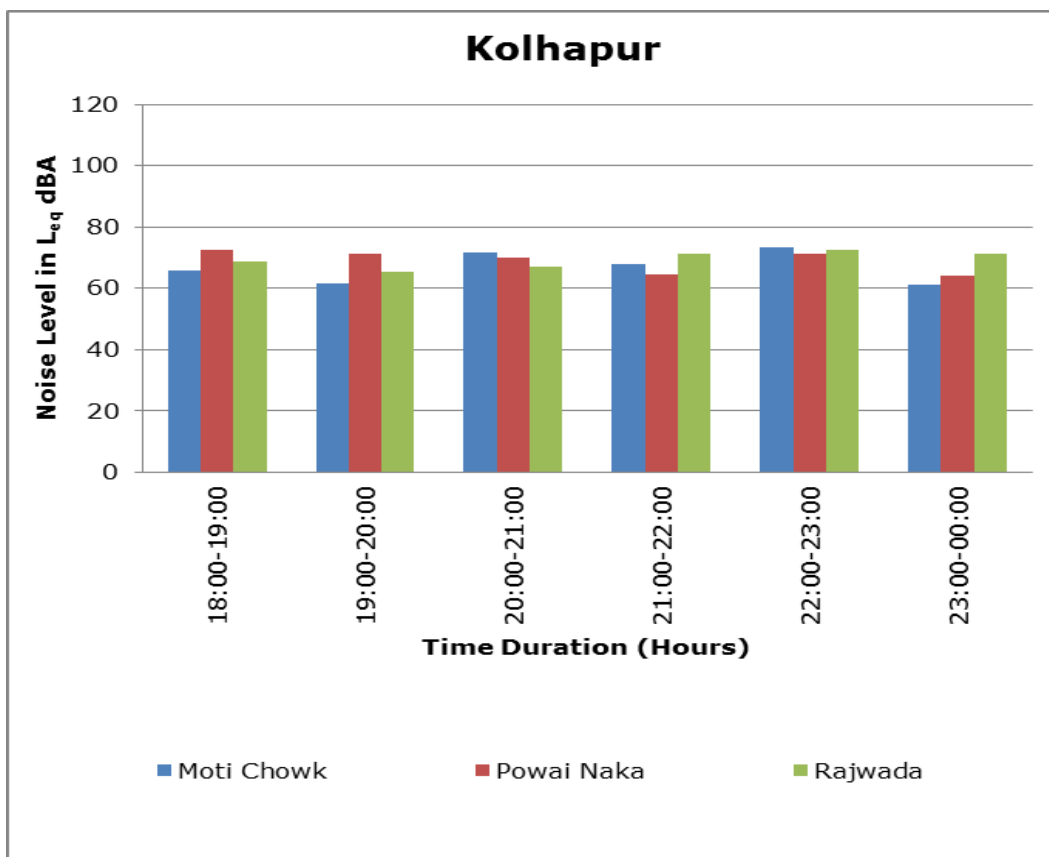
12.Satara

The maximum noise level at Satara was observed at all three locations monitored with 73 dB(A) and the minimum noise level was observed at Moti Chowk with 61 dB(A). The maximum average noise level of 69 dB(A) was observed both at Rajwada and Powai Naka.

Table 6.48: Equivalent Continuous (L_{Aeq})dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Satara

Location	L_{max}	L_{min}	L_{Aeq}
Powai Naka	73	64	69
Moti Chowk	73	61	67
Rajwada	73	65	69

Chart 6.60: Hourly Noise levels on 6th September, 2014 in Satara



V. Noise Levels on 8th September, 2014

On 8th September was • Anant Chaturdashi which is considered as the last and biggest day of Ganesh Visarjan. On this day most of the Ganesh idols from Mandals, societies, houses etc. are taken for visarjan after 10 days of Ganesh festival. The noise level on this day was high and in many locations gone beyond 100 dB(A). The increase in noise level was mainly due to the big sized dhols, large number of speakers attached to the vehicle carrying Ganesh idols used during street possession and also due to the crowd who accompanied the Ganesh idols for visarjan.





1. Mumbai

The maximum average noise level in Borivali location of Mumbai region was found to be 100 dB(A) on 8th September. Also the maximum noise level of Borivali, Byculla, Chinchpokali (E), Chinchpokali (W) and Ghatkoper of Mumbai region was observed at with 99 dB(A), 96 dB(A), 94 dB(A), 97 dB(A) and 90 dB(A) respectively. The minimum noise level of 60 dB(A) was observed at Kandivali (W).

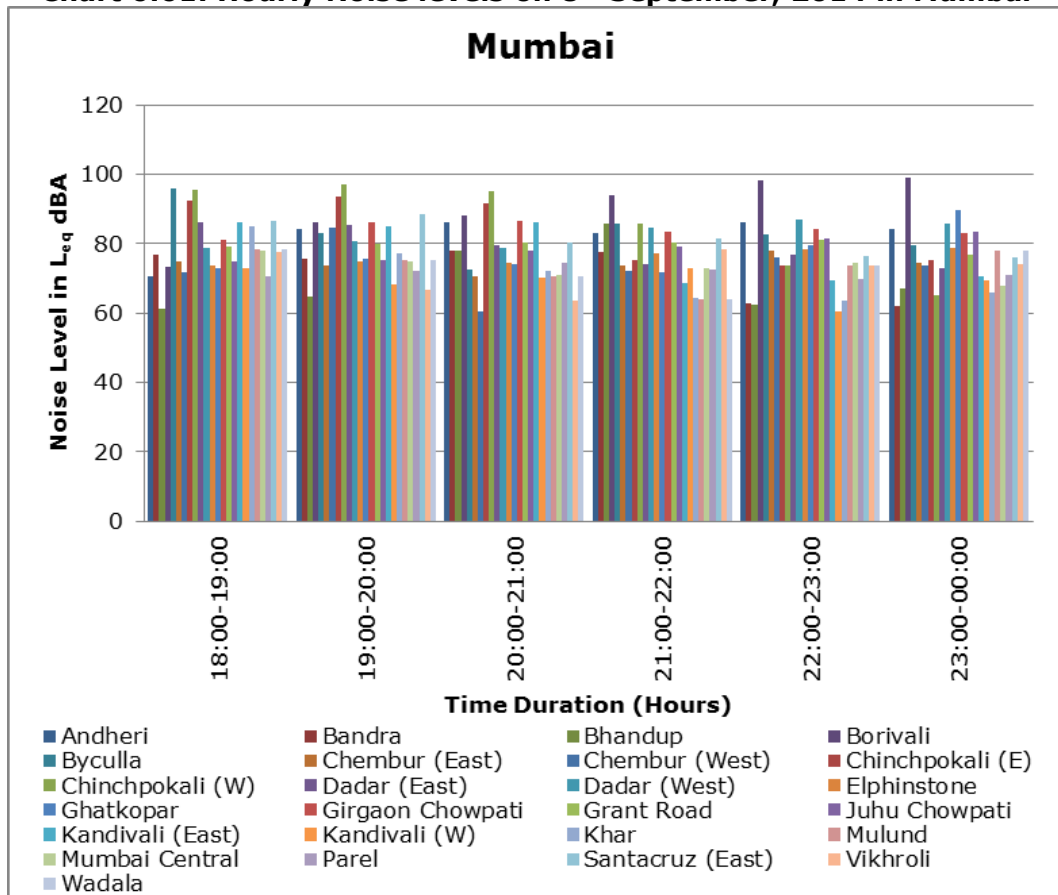
Table 6.49: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Mumbai

Location	L_{max}	L_{min}	L_{Aeq}
Andheri	86	67	75
Bandra	76	71	74
Bhandup	76	71	73
Borivali	76	65	72
Byculla	78	71	74
Chembur (E)	74	69	72
Chembur (W)	81	71	75
Chinchpokali (E)	82	76	80
Chinchpokali (W)	75	68	72
Dadar (E)	85	70	77
Dadar (W)	73	67	70
Elphinstone	74	69	72
Ghatkoper	81	71	74
Girgaon Chowpati	81	70	74

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Location	L _{max}	L _{min}	L _{Aeq}
Grant Road	88	70	75
Juhu Chowpati	86	70	76
Kandivali (E)	84	73	77
Kandivali (W)	89	72	77
Khar	85	70	74
Mulund	80	73	75
Mumbai Central	92	71	78
Parel	78	72	75
Santacruz (E)	79	72	75
Vikhroli	78	72	75
Wadala	80	71	74

Chart 6.61: Hourly Noise levels on 8th September, 2014 in Mumbai



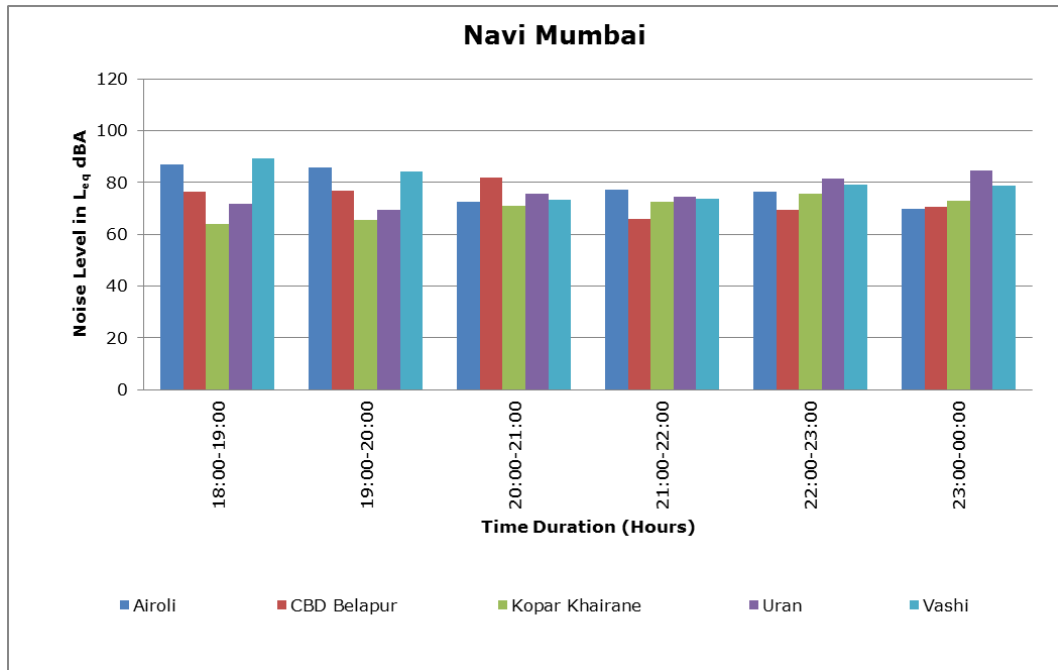
2. Navi Mumbai

The maximum noise level was observed at Vashi with 89 dB(A) and minimum noise level of 64 dB(A) was observed at Kopar Khairane. The maximum average noise level of 80 dB(A) was also observed at Vashi.

Table 6.50: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Navi Mumbai

Location	L_{max}	L_{min}	L_{Aeq}
Airoli	87	70	78
CBD Belapur	82	66	73
Kopar Khairane	76	64	70
Uran	85	69	76
Vashi	89	73	80

Chart 6.62: Hourly Noise levels on 8th September, 2014 in Navi Mumbai



3. Thane

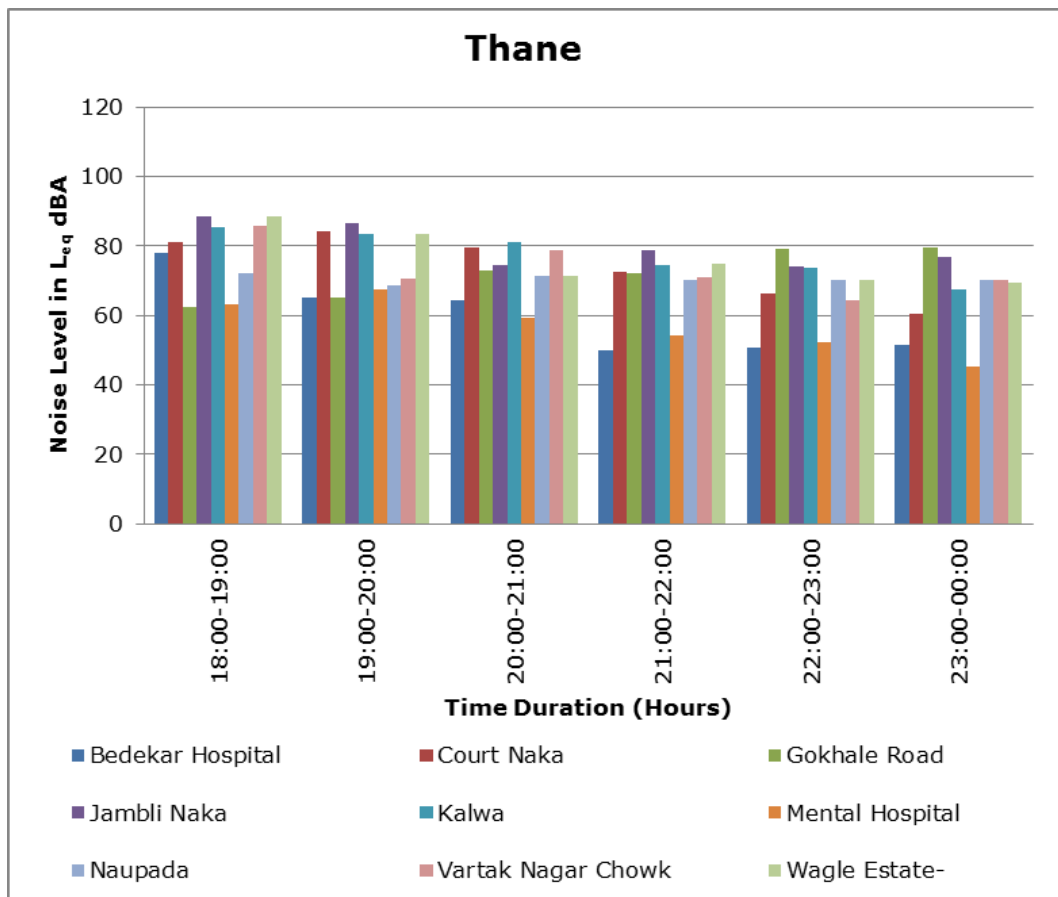
The maximum noise level was observed at Wagle Estate with 89 dB(A) and minimum noise level of 45 dB(A) was observed at Court Naka. The highest average noise level of 80 dB(A) was observed at Jambli Naka.

Table 6.51: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Thane

Location	L_{max}	L_{min}	L_{Aeq}
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Location	L _{max}	L _{min}	L _{Aeq}
Gokhale Road	79	62	72
Jambli Naka	88	74	80
Naupada	72	68	70
Vartak Nagar Chowk	86	65	73
Wagle Estate	89	69	76
Court Naka	84	61	74
Mental Hospital	67	45	57
Bedekar Hospital	78	50	60
Kalwa	85	68	78

Chart 6.63: Hourly Noise levels on 8th September, 2014 in Thane



4. Pune

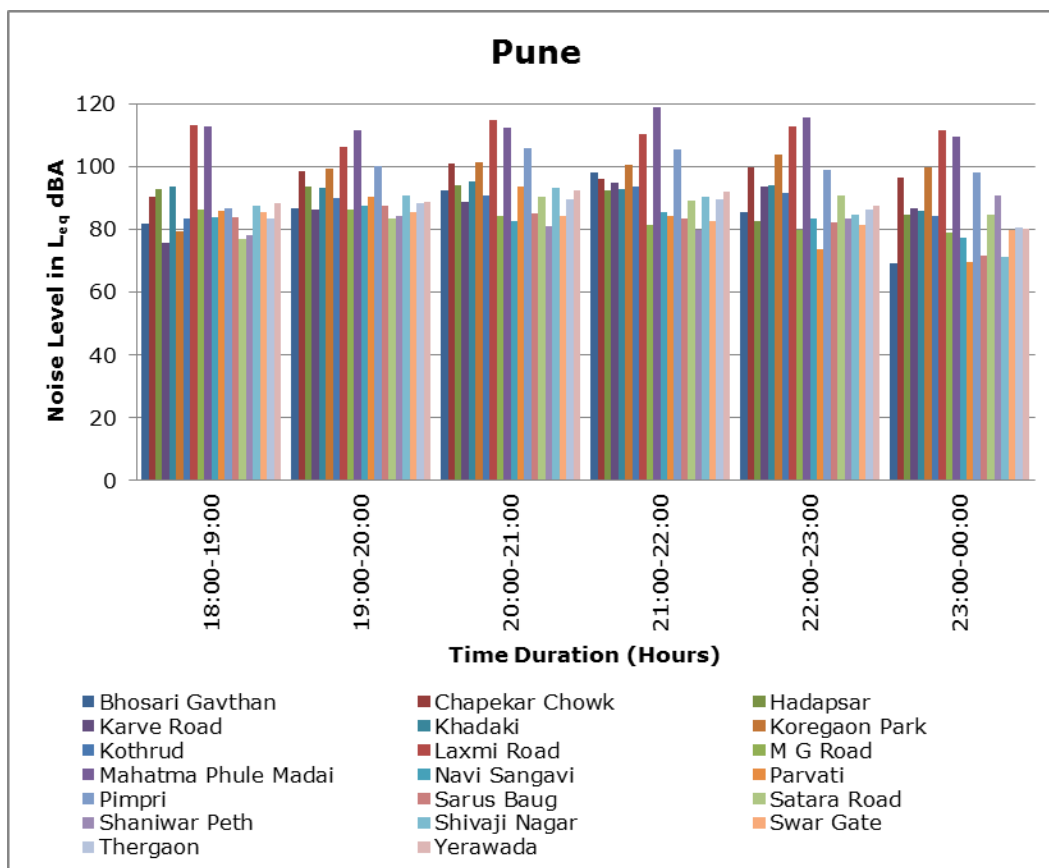
Pune was found to be very noisy on the last day of Ganesh festival showing even average maximum noise level at Laxmi Road and Mahatma Phule Madai with 111 dB(A) and 113 dB(A) respectively. Also, maximum noise level of Laxmi

Road, Mahatma Phule Madai, Koregaon Park, Chapekar Chowk and Pimpri was found to be 115 dB(A), 119 dB(A), 104 dB(A), 101 dB(A) and 106dB(A) respectively. The minimum noise level of 69dB(A) was observed both at Bhosari Gavthan and Parvati.

Table 6.52: Equivalent Continuous (L_{Aeq})dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Pune

Location	L_{max}	L_{min}	L_{Aeq}
Shivaji Nagar	93	71	86
Karve Road	95	76	88
Swar Gate	86	80	83
Satara Road	91	77	86
Shaniwar Peth	91	78	83
Yerawada	93	80	88
Laxmi Road	115	106	111
Kothrud	94	83	89
Mahatma Phule Madai	119	110	113
Sarus Baug	87	71	82
Hadapsar	94	82	90
Parvati	94	69	83
Koregaon Park	104	79	97
Khadaki	95	86	92
M G Road	86	79	83
Chapekar Chowk	101	90	97
Pimpri	106	87	99
Thergaon	90	81	86
Navi Sangavi	88	77	83
Bhosari Gavthan	98	69	86

Chart 6.64: Hourly Noise levels on 8th September, 2014 in Pune



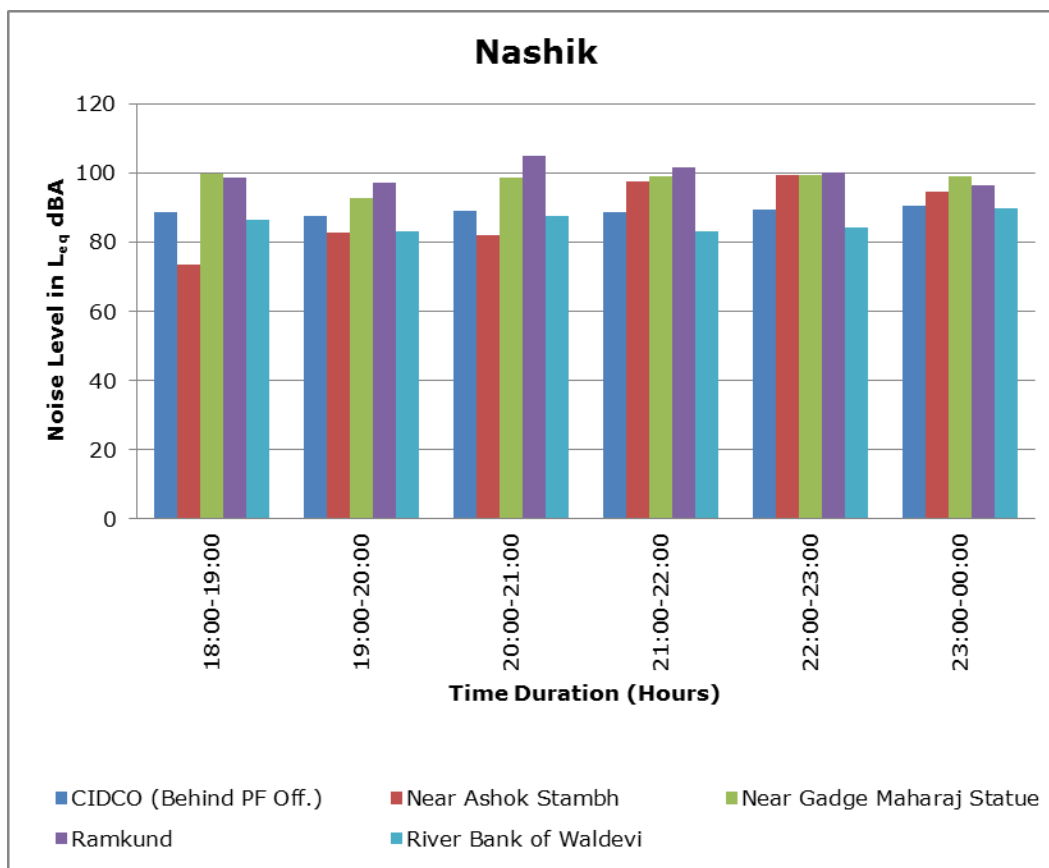
5. Nashik

The maximum noise level of 105 dB(A) was observed at Nashik Road and the minimum noise level of 74 dB(A) was observed at Panchvati. The maximum average noise level in the locations monitored was observed at Nashik Road with 100 dB(A).

Table 6.53: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Nashik

Location	L_{max}	L_{min}	L_{Aeq}
Nashik Road	105	96	100
Panchvati	99	74	88
CBS	100	93	98
CIDCO	90	83	86
Dahi Pool	90	88	89

Chart 6.65: Hourly Noise levels on 8th September, 2014 in Nashik



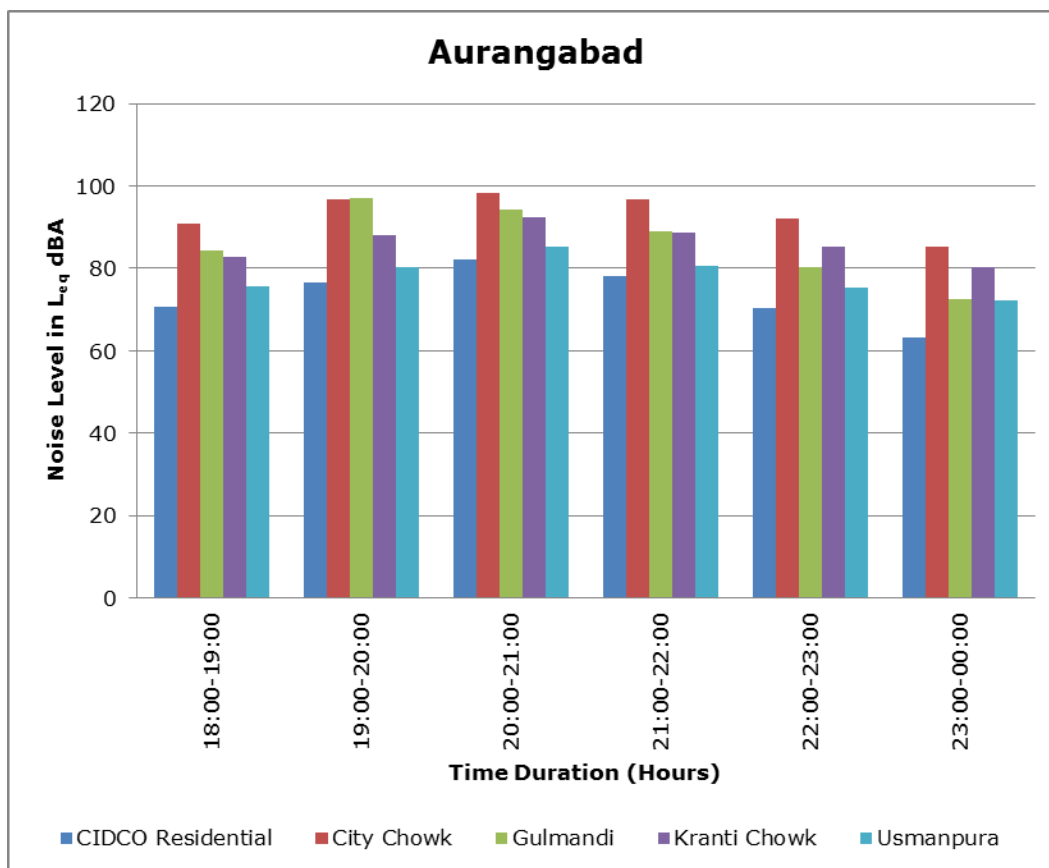
6. Aurangabad

The maximum noise level was observed at City Chowk with 98 dB(A) and the minimum noise level of 63 dB(A) was observed at CIDCO residential. The maximum average noise level was also observed at City Chowk with 93 dB(A).

Table 6.54: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Aurangabad

Location	L_{max}	L_{min}	L_{Aeq}
Gulmandi	97	73	86
City Chowk	98	85	93
Kranti Chowk	93	80	86
CIDCO Residential	82	63	74
Usmanpura	85	72	78

Chart 6.66: Hourly Noise levels on 8th September, 2014 in Aurangabad



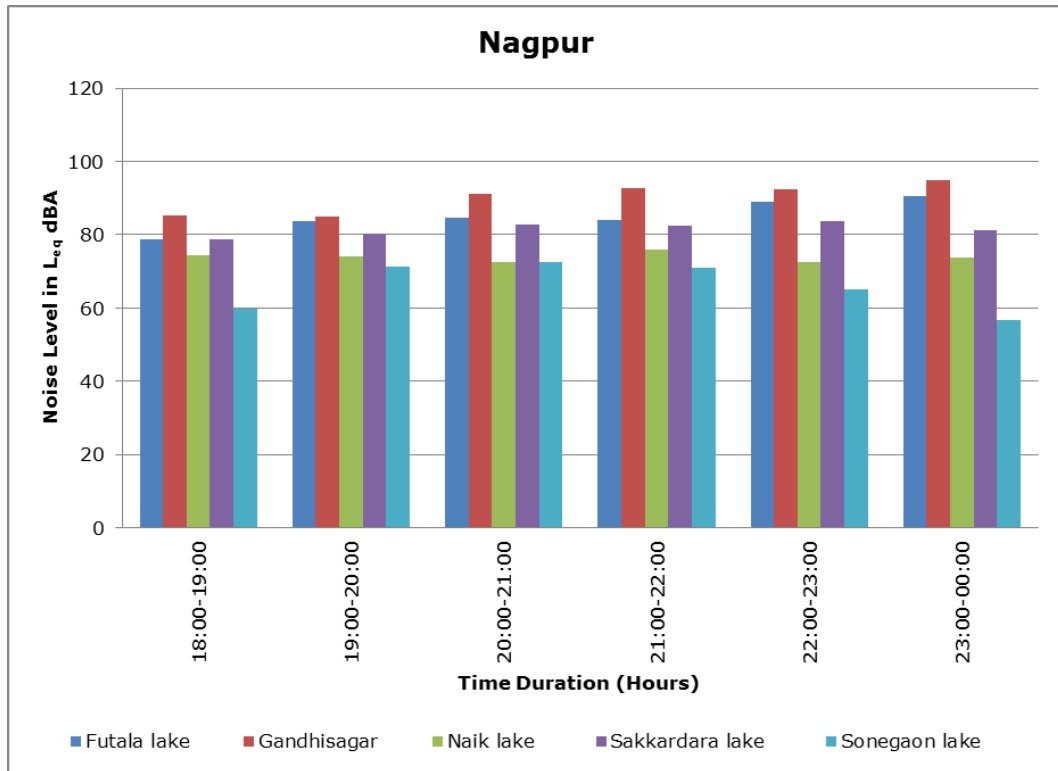
7. Nagpur

The maximum noise level at Nagpur was observed at Cotton Market with 95 dB(A) and the minimum noise level of 57 dB(A) was found at Ramdaspath. The maximum average noise level was found at Cotton Market with 66 dB(A).

Table 6.55: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Nagpur

Location	L_{max}	L_{min}	L_{Aeq}
Ramdaspath	73	57	66
Cotton Market	95	85	90
Golibar Chauk	91	79	85
Reshimbag	84	79	82
Gandhiputala	76	73	74

Chart 6.67: Hourly Noise levels on 8th September, 2014 in Nagpur



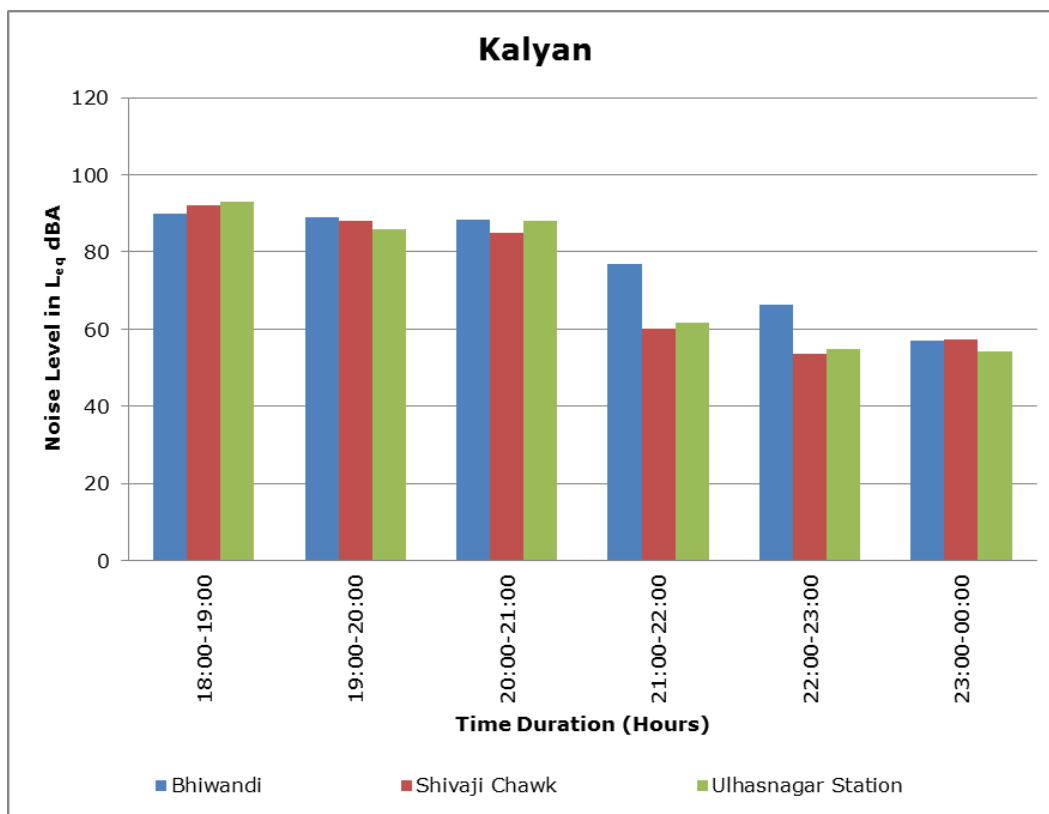
8. Kalyan

The maximum noise level was observed at Ulhasnagar Station with 93 dB(A) and the minimum noise level of 54 dB(A) was observed both at Shivaji Chawk and Ulhasnagar Station. The maximum average noise level of 78 dB(A) was observed both at Ulhasnagar Station.

Table 6.56: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Kalyan

Location	L_{max}	L_{min}	L_{Aeq}
Bhiwandi- Dhamankar Naka	90	57	78
Shivaji Chawk	92	54	73
Ulhasnagar Station	93	54	73

Chart 6.68 Hourly Noise levels on 8th September, 2014 in Kalyan



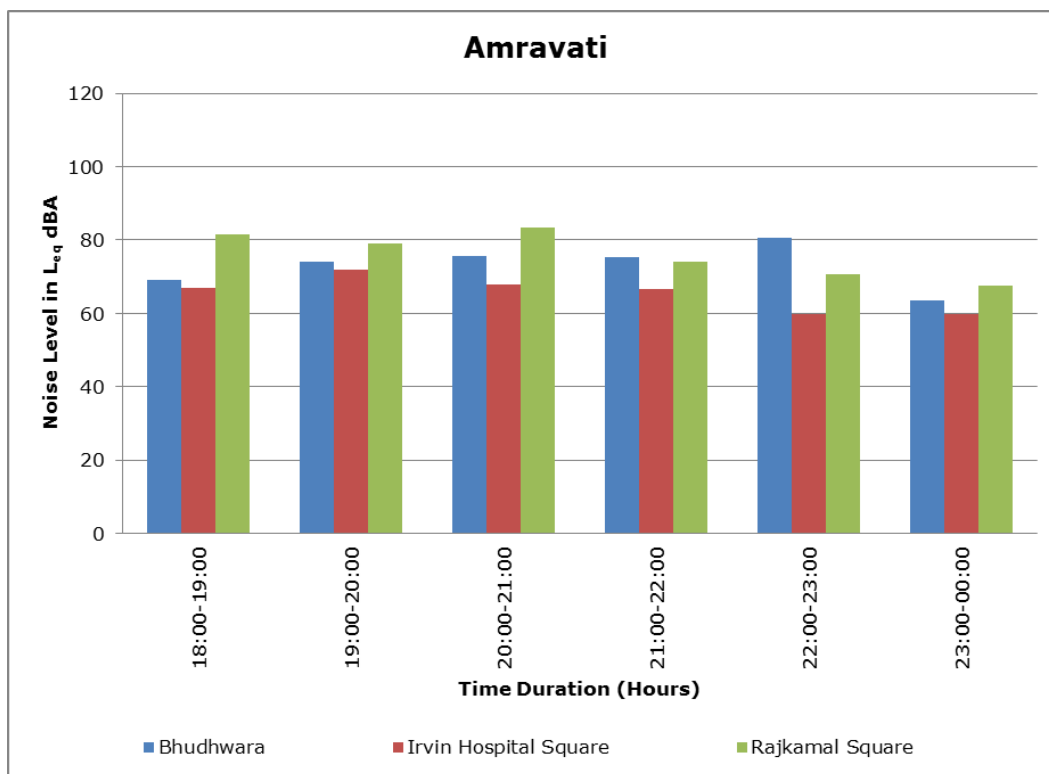
9. Amravati

The maximum noise level in Amravati was observed at Rajkamal Square with 84 dB(A) and the minimum noise level was observed at Irvin Hospital Square of 60 dB(A). The maximum average noise level was observed at Rajkamal Square with 76 dB(A).

Table 6.57: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Amravati

Location	L_{max}	L_{min}	L_{Aeq}
Bhudhwara	81	64	73
Rajkamal Square	84	68	76
Irvin Hospital Square	72	60	66

Chart 6.69: Hourly Noise levels on 8th September, 2014 in Amravati



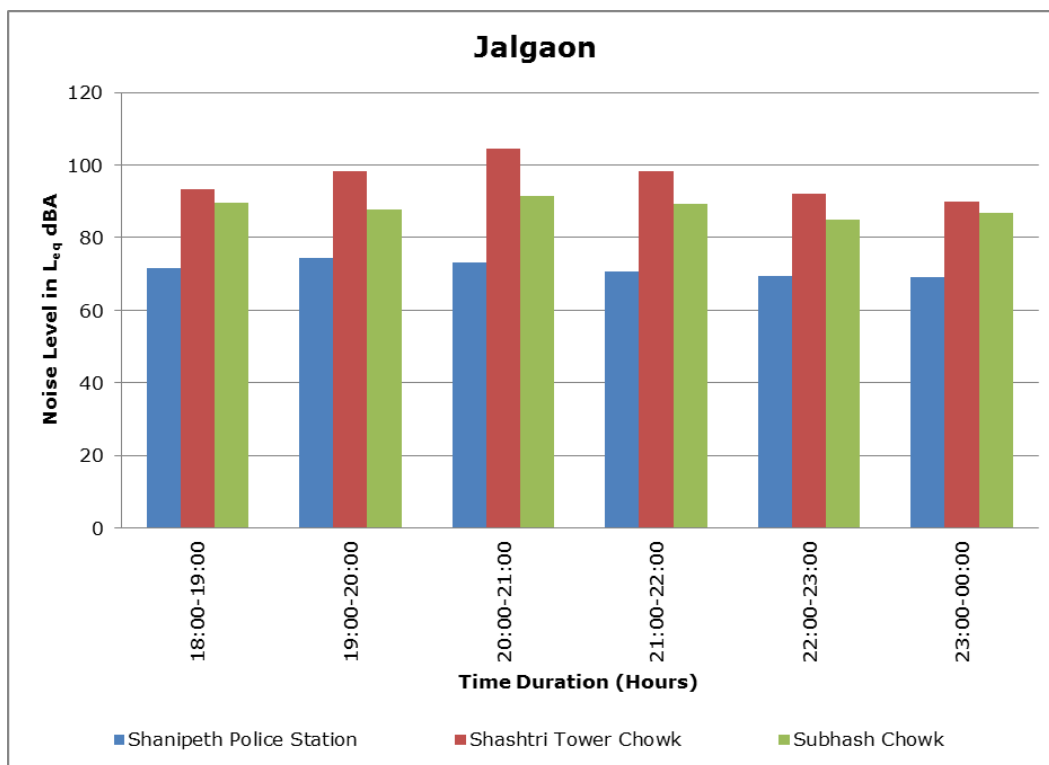
10. Jalgaon

The maximum noise level was observed at Shashtri Tower Chowk with 105 dB(A) and the minimum noise level was observed at Shanipeth Police Station with 69 dB(A). The maximum average noise level of 96 dB(A) was observed at Shashtri Tower Chowk.

Table 6.58: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 6th September, 2014 in Jalgaon

Location	L_{max}	L_{min}	L_{Aeq}
Subhash Chowk	92	85	88
Shashtri Tower Chowk	105	90	96
Shanipeth Police Station	74	69	71

Chart 6.70: Hourly Noise levels on 8th September, 2014 in Jalgaon



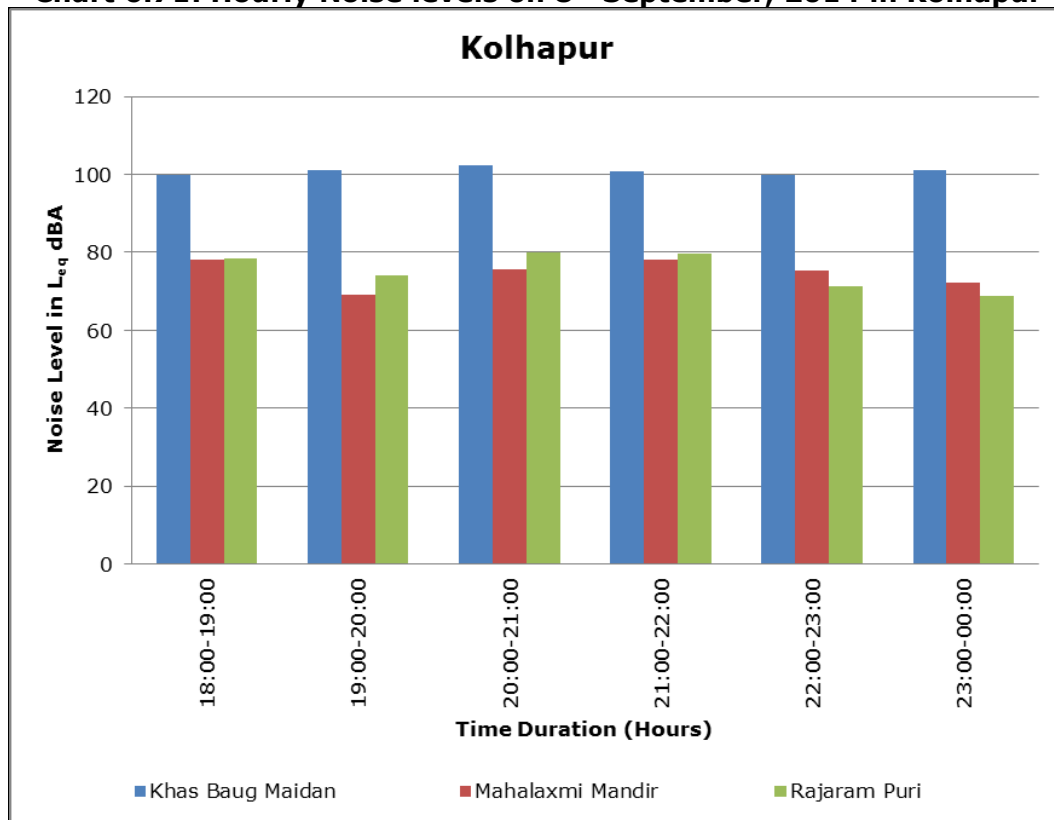
11. Kolhapur

The maximum noise level was observed both at Khas Baug Maidan with 102dB(A) and the minimum noise level was observed at Rajaram Puri and Mahalaxmi Mandir with 69 dB(A). The maximum average noise level of 101dB(A) was observed at Khas Baug Maidan.

Table 6.59: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Kolhapur

Location	L_{max}	L_{min}	L_{Aeq}
Rajaram Puri	80	69	75
Mahalaxmi Mandir	78	69	75
Khas Baug Maidan	102	100	101

Chart 6.71: Hourly Noise levels on 8th September, 2014 in Kolhapur



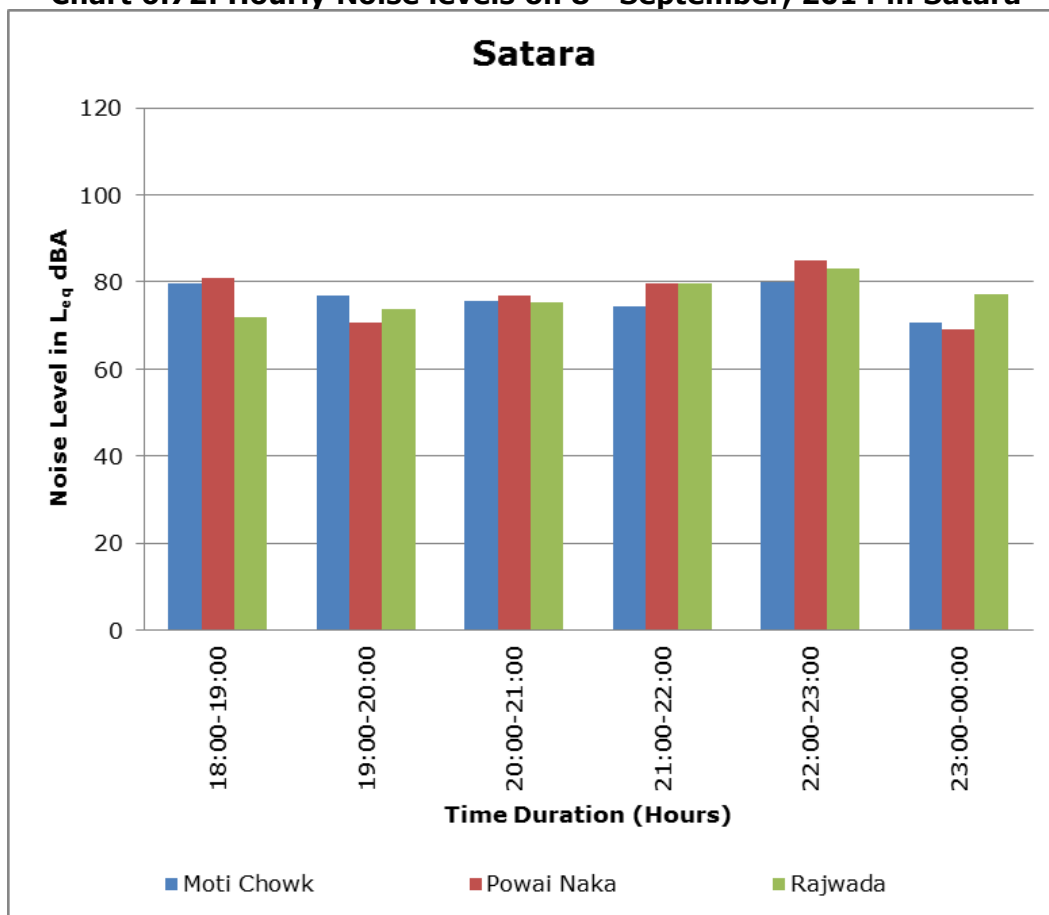
12. Satara

The maximum noise level at Satara was observed at Rajwada with 83 dB(A) and the minimum noise level was observed at Powai Nakawith 69 dB(A). The maximum average noise level of 77 dB(A) was observed both at Rajwada and Powai Naka.

Table 6.60: Equivalent Continuous (L_{Aeq}) dB(A), Minimum (L_{min}) and Maximum (L_{max}) Noise Levels on 8th September, 2014 in Satara

Location	L_{max}	L_{min}	L_{Aeq}
Powai Naka	85	69	77
Moti Chowk	80	71	76
Rajwada	83	72	77

Chart 6.72: Hourly Noise levels on 8th September, 2014 in Satara



Comparative Study of Noise levels

Comparative study of the last three years, i.e. 2012 – 2014 shows that the average noise levels in all the cities eventhough increased this year is lesser than the noise levels during 2012. There is diffrence in the days selcted for noise monitroing on al three years as in 2012 we have monitored the last five days of Ganesh festival, in 2013 we have monitored on the important days of Ganesh festival and now in 2014 we have monitored on important days of noise monitoring with also including days when there was no visargan carrying on.

Comparative study shows the follwing results in different cities of Maharashtra:

Mumbai: Comparative study shows that this year the highest aveage noise level was observed in Byculla as compared to last 3 years.

Navi Mumbai: The noise level in Navi Mumbai was high this year as compared to last three years. The highest average noise level was observerd at Uran on all five days. **Thane:** In Thane, the noise level was niether less nor higher this year as compared to last three years. The highest noise level was observed at Court Naka on majority of the days monitored.

Pune: Even though the noise level in Pune increased this year, it was lesser as compared to last two years. There was increase in noise level of Koregaon park on majority of the days monitored as compared to the last three years.

Nashik: The noise level in Nashik is similar to those observed in the previous two years.

Aurangabad: The noise level in Aurangabad on the first day of monitoring was high as compared to the previous two years.

Nagpur: The observed noise level was more or less the same as observed last year.

Kalyan: Bhiwandi and Ulhasnagar station was observed with average high noise levels this year.

Amravati: The noise level in Amravati remained the same as previous year with no increase or decrease.

Jalgaon: In Jalgaon, the average noise level have increased in the last day of monitoring as compared to last two years.

Kolhapur: The average highest noise level in Kholapur this year was observed at Mahalaxmi Mandir. Also at Khas Baug Maidan, the average noise level even crossed 100 dB(A) on the last day of monitoring.

Satara: In Satara, there was no difference in the noise level observed as compared to last two years.

Annexure VI Noise Levels during Ganesh Festival for last 3 years in different cities of Maharashtra

Conclusion

It may be seen from the results that noise levels were exceeding the permissible limit during the Ganesh festival 2014 at all 12 cities / towns covered during the survey. In spite of legal standards in place and efforts of regulatory agencies, the noise levels could not be checked and controlled up to the desired levels. When compared with the noise levels observed during the Ganesh festivals of earlier years, we did not see significant change or reductions of noise at Pune.

An increased use of huge loud speakers were seen specially while the Ganesh idols were taken for immersion. This indicates lack of support of people in making Ganesh festival free from noise pollution or at least less noisy in successive years owing to increasing mass awareness.

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 (P_r) of 20 μ Pa. Thus the sound pressure level in dB = $20 \log_{10} P/P_r$.

Glimpses of the Event



Mumbai Central



Vashi - Shivaji Chowk Near Bus Depot



CBD - MGM Hospital Chowk



Aurangabad- CIDCO



Aurangabad- City chawk

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014



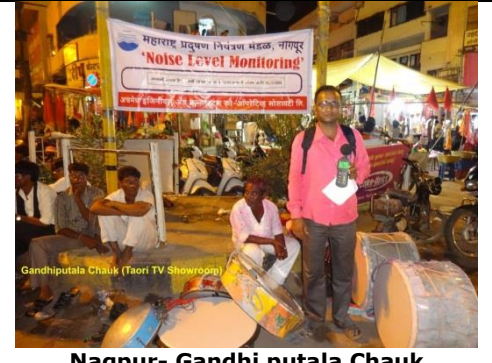
Jalgaon - Shanipeth Police Station



Jalgaon - Subhash Chawk



Nagpur- Ramdaspath KRIMS hospital



Nagpur- Gandhi putala Chawk



Nashik-Bayto Point



Nashik CBS

Annexure – I

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

महाराष्ट्र शासन

पर्यावरण विभाग, मंत्रालय,

शासन निर्णय क्रमांक : ध्वनीप्र-२००९/प्र.क्र.९५/तांक-१

नविन प्रशासन भवन, १५ वा मजला, मादाम कामा रोड, मुंबई - ४०० ०३२

दिनांक: २१ एप्रिल, २००९

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

प्रस्तावना :-

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

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

शासन निर्णय :-

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

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

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

रोटा/एच-०१००[५००-५-२००९]-१

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

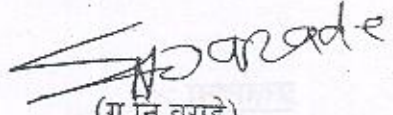
A.

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

४) या शासन निर्णयान्वये, पर्यावरण विभागाने यापूर्वी दिनांक १६ ऑगस्ट, २००० आणि दिनांक १५ जून, २००१ रोजी या विषयाबाबत निर्गमित केलेला शासन निर्णय खारीज करण्यात येत आहे. हा शासन निर्णय निर्गमित झाल्याच्या दिनांकापासून लागू राहिल.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने.

B.


(ग.नि.वराडे)

संचालक (पर्यावरण)

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सर्व जिल्हाधिकारी

सर्व पोलीस आयुक्त / उप आयुक्त

सर्व जिल्हा पोलीस अधिक्षक / उप अधिक्षक

पर्यावरण विभाग सर्व अधिकारी / कार्यासन / निवडनस्ती - तांक १

परिशिष्ट - १

एच-०१०० -१३

ध्वनी प्रदूषण व नियमन व नियंत्रणाची अंमलबजावणी करण्यासाठी शासनाच्या अधिपत्याखाली असलेल्या संस्थांमधील संबंधीत अधिका-याची पदनाम प्राधिकरण म्हणून 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 Development	<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

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

परिशिष्ट- २

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

Ambient Air Quality Standards in respect of Noise

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

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

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

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

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

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

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

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

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

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

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

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

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

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

3. Noise Level Standards for Coal Washeries

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

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

Code of Practice of Coal Washery

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

- * The crushers/pulverizers of the coal washeries shall be provided with enclosures, fitted with suitable air pollution control measures and finally emitted through a stack of minimum height of 30m, conforming particulate matter emission standards of 150 mg/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.

* 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 Implementation of
(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 – II

Detailed List of Locations in Maharashtra

Sr.	City	Location Name (details)
1.0	Mumbai	Andheri - Azad Nagar, Sarvajanik Utsav Samiti Sr. 2, Vir Desai Marg
	Mumbai	Bandra- Sarvajanik Ganeshutsav Mandal-Sr.A2329, S.V. Road, Bandra (W)
	Mumbai	Bhandup - Jay Bajrang Mitra Mandal (Bhandup Samrat), Bhandup Station Rd
	Mumbai	Borivali - Manav Mitra Mandal, L.T. Road, Borivali (W), Mumbai - 400092
	Mumbai	Byculla - Sarvajanik Ganeshutsav mandal, Dr. Ambedkar Marg, Byculla (E)
	Mumbai	Chembur (East) - Near Ashish Talao/ Ashish Theatre
	Mumbai	Chembur (West) - Sahyadri Krida Mandal Tilak Nagar, Chembur
	Mumbai	Chinchpokali (E) - Lalbaug Raja Sarvajanik Ganeshutsav Mandal
	Mumbai	Chinchpokali (W) - Parsiwadi Mitra Mandal, Auther Road Naka, Sarvajanik Ganeshutsav Mandal
	Mumbai	Dadar (East) - Khodadad Circle, Dadar TT
	Mumbai	Dadar (West) - Sai Ganesh Sadan, Senapati Bapat Marg, Sarvajanik Ganeshutsav Mandal, Sunder Nagar
	Mumbai	Elphinstone - Shiv Sai Sarvajanik Ganeshutsav Mandal, B.M. Marg, Elphinstone Rd
	Mumbai	Ghatkopar - Amar Mitra Mandal, Tilak nagar, Ghatkopar (E)
	Mumbai	Girgaon Chowpati - Akhil Chowpati Bhirvi Lane, Sarvajanik Ganeshutsav
	Mumbai	Grant Road - Saltar Road Sarvjanik Ganeshutsav Mandal, Grant Road (W)
	Mumbai	Juhu Chowpati - Om Kareshver Shiv Mandir (Trust), Fort Juhu Choupati
	Mumbai	Kandivali (East) - Thakur Village
	Mumbai	Kandivali (W) - Balla Mitra Mandal, Behind Poisur Depot, Nr Ganesh Medics
	Mumbai	Khar - Sarvajanik Ganeshutsav Mandal Sr. 1441-34/35, Sharma Building, 4 th Road, Opp. Khar Police Station(W)
	Mumbai	Mulund - Sargam Mitra Mandal R.H.B. Road, Mumbai - 400 080
	Mumbai	Mumbai Central - Belasis Road, B.I.T. Chawl, Mumbai Central

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

Sr.	City	Location Name (details)
	Mumbai	Parel - Sarvajanik Ganeshutsav Mandal Bal Gopal Mandal Parel (W), Tata Mill Compound
	Mumbai	Santacruz (East) - Milan Subway, Neet & Geet Society
	Mumbai	Vikhroli - Balmitra Kala Mandal, Vijay House, Vikhroli Statn Rd, Vikhroli (W)
	Mumbai	Wadala - G.B.S. Sarvajanik Ganeshutsav Mandal, Shree Ram Mandir, Before Wadala Depot Signal,
2.0	Navi Mumbai	Airoli - Traffic Police Chouki (before Mulund Airoli Bridge)
	Navi Mumbai	CBD - MGM Hospital Chowk, Near Police Chowki
	Navi Mumbai	Kopar Khairane - Sector-10, D-Mart Main Road
	Navi Mumbai	Uran - Ganpati Chowk
	Navi Mumbai	Vashi - Shivaji Chowk Near Bus Depot
3.0	Thane	Gokhle Road-Malhar Cinema
	Thane	Jambli Naka- Lake immersion Point
	Thane	Main Road- Gaondevi Mandir, Naupada
	Thane	Pokhran Road- Vartak Nagar Chowk
	Thane	Wagle Estate- Raila Devi Lake
	Thane	Court Naka
	Thane	Mental Hospital
	Thane	Bedekar Hospital
	Thane	Chatrapati Shivaji Maharaj Hospital, Kalwa
4.0	Pune	Shivaji Nagar (Sakhar Sankul)
	Pune	Karve Road (Nul stop)
	Pune	Swar Gate (Tilak Road)
	Pune	Satara Road (Balaji Nagar)
	Pune	Shaniwar Peth (Shanivar Wada)
	Pune	Yerawada (Near Gunjan Theatre)
	Pune	Laxmi Road (Shagun Chowk)
	Pune	Kothrud (Near Shivaji Putala)
	Pune	Mahatma Phule Madai (Near Mandai)
	Pune	Sarus Baug (Mitra Mandal Chowk)
	Pune	Hadapsar (Nera Bhaji Mandai)
	Pune	Deccan (Nataraj Theater)

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

Sr.	City	Location Name (details)
	Pune	Dagdu Sheth Mandir (City Post Chowk)
	Pune	Alka Chowk (Nera Alka Chowk)
	Pune	Babu Genu Chowk (Near Babu Genu Chowk)
	Pune	Khadaki (Near Bazar)
	Pune	M G Road (Babajan Chowk)
	Pune	Chapekar Chowk (Chinchwadgaon)
	Pune	Pimprigoan - Shastrinagar
	Pune	Thergaon (Dange Chowk)
5.0	Nashik	Nashik Road/ Ramkund (on - 08.09.2014)
	Nashik	Panchvati/ Near Ashok Stambh (on - 08.09.2014)
	Nashik	CBS / Near Gadge Maharaj Statue (on - 08.09.2014)
	Nashik	CIDCO/ River Bank of Waldevi (on - 08.09.2014)
	Nashik	Dahi Pool/ CIDCO (Behind PF Off.) (on - 08.09.2014)
6.0	Aurangabad	Gulmandi
	Aurangabad	City Chowk
	Aurangabad	Kranti Chowk
	Aurangabad	CIDCO Residential
	Aurangabad	Usmanpura
7.0	Nagpur	Ramdaspath/*Naik Talao (*29.09.2012)
	Nagpur	Cotton Market/*Sonegaon Lake(*29.09.2012)
	Nagpur	Golibar Chauk/*Ghandhi Sagar(*29.09.2012)
	Nagpur	Reshimbag/*Futala Lake(*29.09.2012)
	Nagpur	Gandhiputala/*Sakkardara Lake (*29.09.2012)
8.0	Kalyan	Bajar peth Police station
	Kalyan	Shivaji Chawk
	Kalyan	Camp No 1, Goal Maidan, Ulhasnagar
9.0	Amaravati	Budhwara
	Amaravati	Rajkamal Square

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Sr.	City	Location Name (details)
	Amaravati	Irvin Hospital Square
10.0	Jalgaon	Subhash Chowk
	Jalgaon	Shashtri Tower Chowk
	Jalgaon	Shanipeth Police Station
11.0	Kolhapur	Rajaram Puri (Near Rajaram Puri)
	Kolhapur	Laxmi Puri (Near Laxmi Puri)
	Kolhapur	Khas Baug Maidan
12.0	Satara	Powai Naka (Near Powai Naka)
	Satara	Moti Chowk (Near Moti Chowk)
	Satara	Rajwada (Near Rajwada)

Annexure – III

Sound Level Meter MS 6701, Type II



Annexure – IV

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	00:00	01:00	02:00	03:00	04:00	05:00	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	
Location	Mumbai (29th August 2014)																								
Andheri	67	69	67	69	68	71	76	77	84	74	75	76	54	55	52	49	79	74	76	78	78	78	76	75	
Bandra	61	68	66	76	71	76	82	82	96	85	93	87	77	75	67	67	58	66	59	60	64	63	68	62	
Bhandup	58	57	50	49	48	53	95	82	71	69	68	63	66	72	60	72	50	51	48	46	42	48	53	62	
Borivali	66	69	81	72	73	72	65	71	72	75	73	82	66	68	67	70	89	87	54	53	48	48	44	55	
Byculla	74	69	75	70	77	71	67	89	90	92	96	83	72	86	83	79	59	63	72	75	68	70	67	68	
Chembur (E)	74	72	73	76	80	52	71	60	62	57	75	74	71	74	78	74	86	91	78	68	62	57	56	63	
Chembur (W)	80	77	75	75	75	69	84	75	77	78	74	76	76	70	76	75	74	71	81	79	65	62	60	62	
Chinchpokali (E)	71	71	70	75	71	74	79	82	82	83	81	72	67	62	57	61	79	77	82	83	90	85	83	87	
Chinchpokali (W)	74	72	79	79	80	81	84	83	81	79	81	79	72	77	76	70	87	86	72	77	76	70	65	62	
Dadar (E)	67	63	60	62	63	64	58	61	72	82	72	61	68	74	73	80	60	62	65	77	62	71	61	81	
Dadar (W)	67	70	72	74	72	71	71	71	73	76	72	76	73	75	75	74	76	77	82	66	70	70	77	69	
Elphinstone	68	66	68	69	66	67	70	69	67	65	61	57	62	59	63	63	71	69	69	64	60	66	66	67	
Ghatkopar	72	65	69	65	67	96	79	67	71	66	60	60	65	61	64	62	61	66	57	56	47	44	49	59	
Girgaon Chowpati	69	72	76	73	71	71	76	77	84	76	81	73	74	74	76	87	57	57	71	79	82	74	74	79	
Grant Road	81	86	86	83	86	86	66	74	66	65	66	68	64	69	74	76	72	69	75	75	81	85	82	74	
Juhu Chowpati	59	71	73	78	69	77	68	64	62	68	68	73	69	98	96	95	76	72	45	46	52	60	75	75	
Kandivali (E)	73	64	60	61	57	67	71	51	57	67	59	66	78	64	75	76	59	60	54	56	54	58	57	60	
Kandivali (W)	69	70	77	79	71	72	69	60	70	73	79	81	71	78	78	61	58	66	59	60	64	63	68	62	
Khar	75	75	75	76	78	77	78	78	75	74	75	74	77	78	79	76	50	51	48	46	42	48	53	62	
Mulund	73	73	72	74	74	73	73	72	72	73	76	74	72	79	90	86	89	87	54	53	48	48	44	55	
Mumbai Central	76	74	74	72	75	76	78	73	80	81	86	87	84	84	83	85	68	69	68	67	62	65	69	72	
Parel	69	70	68	67	71	72	79	78	77	79	80	80	80	81	77	80	63	60	72	70	68	73	75	83	
Santacruz (E)	68	69	72	72	74	73	73	74	75	75	75	78	79	82	83	74	72	63	78	77	77	74	68	66	
Vikhroli	88	65	69	67	69	72	79	74	74	74	75	74	75	75	73	76	49	50	89	88	88	90	89	89	
Wadala	60	60	60	62	66	67	68	67	68	68	73	70	61	53	59	50	72	61	71	70	73	75	64	66	
	Navi mumbai (29th August 2014)																								
Airoli	69	88	89	87	80	78	76	75	73	76	77	81	79	89	85	90	64	66	71	72	76	73	75	79	
CBD Belapur	61	68	71	70	75	78	73	78	73	80	82	85	89	94	88	88	63	69	74	69	68	74	69	71	
Kopar Khairane	60	66	67	70	73	72	68	72	73	72	72	72	74	76	80	81	76	70	72	68	66	60	58	67	
Uran	74	72	75	73	73	76	76	72	76	78	75	80	77	88	83	93	71	71	72	60	46	45	47	53	
Vashi	60	65	67	70	75	73	70	72	66	65	69	65	71	75	66	69	69	65	96	79	67	71	66	60	
	Thane (29th August 2014)																								
Gokhale Road	65	78	72	71	70	80	79	65	64	72	80	82	79	82	72	65	83	80	80	82	77	72	80	80	
Jambli Naka	66	70	74	73	69	70	78	73	72	69	71	70	72	73	69	70	84	68	58	54	39	42	43	47	
Naupada	64	71	75	76	75	76	78	71	77	75	79	75	79	80	83	84	67	59	54	51	50	44	44	49	
Pokhran Road	69	74	76	78	73	70	72	80	72	71	74	79	81	84	81	79	56	54	52	52	45	49	57	49	

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	00:00	01:00	02:00	03:00	04:00	05:00
	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00
Wagle Estate	60	62	70	69	70	71	72	72	72	71	71	72	74	80	80	64	62	58	42	49	50	47	49	53
Court Naka	65	65	70	69	70	73	80	78	75	77	75	71	79	79	79	74	67	64	62	65	55	54	54	56
Mental Hospital	64	65	70	71	70	72	95	70	67	68	71	69	69	62	72	72	68	64	58	54	54	55	59	62
Bedekar Hospital	69	70	71	75	73	72	74	72	71	72	72	74	75	78	78	77	66	58	52	53	50	48	48	68
Kalwa	71	77	76	80	79	75	75	77	86	84	81	87	84	89	83	83	72	65	48	45	42	42	47	45
Pune (29th August 2014)																								
Shivaji Nagar	59	66	80	76	78	77	81	73	72	74	80	83	77	82	81	81	74	70	66	63	59	56	55	57
Karve Road	56	69	73	77	82	89	88	72	68	64	73	73	75	84	84	74	69	60	58	54	52	51	53	55
SwarGate	53	67	69	80	84	84	85	84	85	86	85	84	83	83	83	81	76	74	70	62	59	55	54	58
Satara Road	50	53	57	81	79	82	80	76	72	70	70	83	87	82	70	67	64	64	55	54	50	49	49	54
Shaniwar Peth	70	73	76	74	78	75	78	74	72	72	82	82	78	81	86	75	73	69	67	60	51	50	51	63
Yerawada	55	62	71	70	77	73	72	71	68	68	73	79	79	80	79	81	73	71	63	57	56	51	50	57
Laxmi Road	56	62	79	81	101	97	90	98	89	100	79	79	84	79	68	64	60	56	54	53	51	50	50	54
Kothrud	51	53	61	68	74	78	75	67	66	72	75	76	77	82	80	72	63	55	54	51	49	49	51	53
Mahatma Phule Madai	56	63	76	97	105	100	75	71	73	72	74	80	82	80	63	57	56	50	50	49	49	48	50	52
Sarus Baug	50	52	56	85	80	83	82	80	74	73	72	81	85	80	72	69	64	60	55	53	51	50	49	51
Hadapsar	52	61	71	77	75	72	73	75	69	71	75	77	70	81	86	82	72	65	54	50	49	48	49	54
parvati	45	53	56	84	81	81	81	77	81	77	76	83	87	66	62	63	61	55	51	50	50	49	51	54
Koregaon Park	67	75	78	86	90	84	66	68	77	85	94	81	84	81	81	80	71	56	54	50	49	51	60	
Khadaki	50	68	72	73	77	79	80	78	75	77	72	77	80	81	83	83	68	59	54	52	50	49	48	54
M G Road	47	50	53	55	78	84	85	82	83	83	83	84	83	80	79	77	72	70	69	55	51	50	49	50
Chapekar Chowk	60	80	84	67	87	86	90	87	82	80	81	82	81	83	83	83	76	72	64	60	54	50	50	54
Pimpri	64	65	71	74	79	76	75	75	74	75	78	78	73	74	69	82	73	69	64	60	56	53	53	58
Thergaon	59	69	79	83	79	79	78	81	79	83	85	87	81	80	79	79	78	69	60	55	54	52	50	58
Navi Sangavi	56	58	67	75	74	75	74	72	69	70	66	73	76	78	83	81	76	72	64	57	52	50	51	54
Bhosari Gavthan	63	67	65	74	65	65	73	72	77	82	74	81	77	75	78	68	69	65	56	56	50	49	57	55
Nashik (29th August 2014)																								
Nashik Road	95	93	94	86	70	79	98	97	95	96	93	93	91	92	82	90	82	80	80	79	75	87	57	57
Panchvati	74	78	83	82	81	84	79	84	89	87	82	98	94	95	90	101	91	90	87	85	84	82	71	86
CBS	90	74	82	74	66	66	62	63	62	63	65	71	89	83	80	85	76	83	82	93	83	72	66	59
CIDCO	73	66	73	68	68	67	65	61	61	63	67	82	78	86	82	86	89	87	69	68	65	64	63	62
Dahi Pool	53	56	67	64	71	71	75	74	80	67	83	81	76	78	84	80	88	84	81	79	65	74	65	74
Aurangabad (29th August 2014)																								
Gulmandi	70	72	77	79	80	80	78	77	76	75	76	80	78	77	75	70	69	67	65	63	59	53	57	60
City Chowk	67	70	71	72	73	74	75	75	74	75	73	70	73	78	76	69	67	67	65	61	57	54	56	61
Kranti Chowk	69	72	73	76	77	76	78	73	75	73	74	74	77	79	78	74	68	68	66	65	61	57	59	63

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

	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
CIDCO Residential Usmanpura	58	62	66	66	67	68	65	63	62	65	67	67	66	73	64	63	60	56	54	52	47	45	49	55
Nagpur (29th August 2014)																								
Ramdaspath	49	55	57	57	56	61	57	57	58	57	56	57	59	65	54	61	59	50	43	42	43	43	47	63
Cotton Market	66	71	77	76	78	76	77	73	68	68	72	70	68	68	70	70	72	64	60	54	50	61	57	64
Golibar Chauk	60	65	67	76	73	70	74	71	70	67	69	71	72	78	78	76	77	74	67	55	43	46	51	59
Reshimbag	51	49	64	73	74	74	81	84	64	68	75	79	80	79	79	75	69	58	51	51	52	53	53	56
Gandhiputala	64	67	81	83	86	84	80	76	80	87	92	88	88	83	86	83	83	73	70	64	60	57	54	64
Kalyan (29th August 2014)																								
Bhiwandi	53	55	65	73	79	72	69	77	75	68	75	81	73	70	79	77	72	70	72	69	62	56	55	64
Shivaji Chawk	57	63	68	70	83	71	85	80	77	69	56	74	69	75	84	79	76	79	72	66	61	60	55	61
Ulhasnagar Station	65	63	74	75	74	74	75	75	76	71	75	79	75	74	68	62	61	51	51	49	41	43	45	44
Amravati (29th August 2014)																								
Bhudhwara	51	54	56	61	65	67	58	75	67	76	76	80	78	76	71	70	59	57	52	51	46	45	46	43
Rajkamal Square	65	68	70	75	85	78	80	82	81	82	82	80	85	85	87	87	74	67	63	53	48	45	46	49
Irvin Hospital Square	53	59	61	60	60	61	61	67	66	61	66	63	64	63	65	61	57	53	50	45	45	40	40	44
Jalgaon (29th August 2014)																								
Subhash Chowk	84	79	88	83	78	70	73	77	70	84	79	84	74	72	69	74	68	79	83	77	77	66	64	56
Shashtri Tower Chowk	87	90	78	76	74	70	80	70	78	66	79	70	74	73	67	69	79	75	46	56	60	46	53	56
Shanipeth Police Station	78	72	71	66	66	64	75	74	68	82	82	79	70	78	73	76	74	69	56	54	41	58	56	66
Kolhapur (29th August 2014)																								
Rajaram Puri	50	45	50	72	79	82	85	71	80	82	86	93	98	99	102	100	96	93	86	85	56	46	42	43
Mahalaxmi Mandir	40	56	55	68	72	69	72	65	78	77	78	79	65	72	77	79	69	66	62	55	45	43	56	42
Khas Baug Maidan	42	49	78	79	85	89	87	78	84	89	98	99	99	99	95	102	99	87	72	87	73	48	41	42
Satara (29th August 2014)																								
Powai Naka	41	46	50	50	68	70	74	73	75	71	67	70	69	81	79	79	75	72	67	67	55	50	40	50
Moti Chowk	42	46	56	45	68	76	79	80	75	73	70	79	82	84	85	80	78	73	72	55	45	40	43	41
Rajwada	41	40	48	51	61	75	78	71	67	77	79	70	69	78	72	71	69	65	44	41	42	40	41	40

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00
	Mumbai (30th August 2014)						Mumbai (3rd September 2014)					
Andheri	81	77	79	79	74	76	74	73	75	75	74	79
Bandra	78	76	78	77	70	82	77	76	75	74	72	71
Bhandup	79	75	85	74	70	68	77	77	79	79	69	68
Borivali	78	74	71	76	82	68	78	82	81	76	78	78
Byculla	77	79	84	79	78	74	79	78	78	74	75	71
Chembur (E)	70	77	68	75	85	79	59	58	53	57	63	54
Chembur (W)	68	70	71	74	71	69	72	72	60	69	73	71
Chinchpokali (E)	81	94	86	76	93	78	71	73	73	70	72	72
Chinchpokali (W)	67	72	77	72	92	80	78	74	79	82	80	79
Dadar (E)	76	76	80	98	68	66	70	79	79	74	73	63
Dadar (W)	69	67	58	76	76	57	74	74	75	73	71	69
Elphinstone	79	72	69	90	89	73	51	65	71	61	59	66
Ghatkopar	82	76	70	65	94	88	78	82	80	65	55	46
Girgaon Chowpati	76	80	81	63	79	85	75	76	74	71	82	70
Grant Road	67	63	67	69	86	88	82	81	75	66	58	54
Juhu Chowpati	80	75	66	67	88	77	77	66	72	71	75	73
Kandivali (E)	81	69	82	84	79	80	78	78	78	78	78	75
Kandivali (W)	82	72	72	73	80	82	72	68	74	67	70	69
Khar	81	80	81	73	100	85	73	74	72	75	73	72
Mulund	92	81	84	90	80	79	69	71	72	68	67	69
Mumbai Central	65	65	82	72	78	90	77	82	77	79	72	71
Parel	88	73	70	72	76	103	80	66	67	65	65	64
Santacruz (E)	82	81	78	74	79	80	70	72	71	72	73	70
Vikhroli	87	81	77	77	71	70	75	77	77	78	75	74
Wadala	95	90	94	82	67	79	74	82	79	84	82	77
	Navi Mumbai (30th August 2014)						Navi Mumbai (3rd September 2014)					
Airoli	80	72	78	71	76	70	73	73	71	68	64	62
CBD Belapur	87	81	81	85	85	84	71	74	74	75	72	66
Kopar Khairane	101	97	93	93	93	92	72	72	69	69	66	62
Uran	91	94	94	93	93	93	80	76	81	81	72	65
Vashi	83	84	94	88	81	90	74	79	84	82	81	78
	Thane (30th August 2014)						Thane (3rd September 2014)					
Gokhale Road	78	73	84	76	76	72	74	77	75	78	76	68
Jambli Naka	73	74	73	77	71	71	80	74	75	75	74	69
Naupada	72	76	71	75	75	82	63	70	62	60	58	54
Pokhran Road	77	71	76	72	76	73	72	71	82	73	65	68
Wagle Estate	72	76	72	73	67	75	69	79	74	69	73	68

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00
Court Naka	78	73	66	71	72	80	72	73	72	70	67	61
Mental Hospital	55	59	65	65	64	65	70	72	74	69	64	60
Bedekar Hospital	68	69	65	65	66	68	75	78	80	79	68	67
Kalwa	68	80	75	70	79	82	76	75	76	75	74	71
	Pune(30th August 2014)						Pune(3rd September 2014)					
Shivaji Nagar	79	74	82	88	79	67	76	85	88	87	83	68
Karve Road	69	77	83	78	69	62	75	84	87	90	77	76
SwarGate	85	84	83	82	81	78	84	85	85	83	81	80
Satara Road	74	80	86	81	87	72	75	79	81	82	80	68
Shaniwar Peth	74	76	77	73	70	70	79	80	82	79	78	74
Yerawada	79	76	79	78	77	71	79	74	76	77	76	65
Laxmi Road	78	77	69	68	70	59	98	100	94	84	73	68
Kothrud	65	72	79	75	65	56	67	74	78	88	76	61
Mahatma Phule Madai	77	84	70	70	64	59	100	99	92	94	74	66
Sarus Baug	83	81	80	74	70	65	81	80	75	73	66	61
Hadapsar	81	80	83	86	83	67	86	82	85	83	84	71
parvati	87	89	83	80	71	66	82	82	80	74	66	62
Koregaon Park	78	80	82	80	73	65	71	81	100	78	68	80
Khadaki	83	83	85	85	79	68	79	84	88	87	79	69
M G Road	84	84	83	80	77	69	85	86	82	81	81	77
Chapekar Chowk	79	81	78	83	73	73	81	82	81	87	84	76
Pimpri	78	79	79	76	69	63	77	78	78	75	70	67
Thergaon	78	78	82	79	75	69	77	78	79	79	79	73
Navi Sangavi	79	78	80	85	74	62	76	81	87	85	83	67
Bhosari Gavthan	72	78	77	89	79	67	77	91	74	79	70	64
	Nashik (30th August 2014)						Nashik(3rd September 2014)					
Nashik Road	87	85	80	84	76	81	88	92	79	83	81	74
Panchvati	101	89	87	89	91	83	99	95	93	93	88	86
CBS	89	83	91	85	85	87	90	91	89	89	86	71
CIDCO	79	75	77	74	78	86	63	72	81	74	78	86
Dahi Pool	80	90	83	84	76	81	84	88	86	82	74	68
	Aurangabad (30th August 2014)						Aurangabad (3rd September 2014)					
Gulmandi	73	75	73	69	69	66	76	77	79	73	67	63
City Chowk	71	72	75	69	66	64	70	69	74	68	67	65
Kranti Chowk	73	77	77	74	72	68	76	77	79	77	69	68
CIDCO Residential	61	63	65	60	58	55	65	70	65	60	57	54
Usmanpura	67	70	72	68	65	62	67	68	72	66	65	63

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00
	Nagpur (30th August 2014)						Nagpur (3rd September 2014)					
Ramdaspath	59	61	60	62	54	54	64	63	62	54	56	53
Cotton Market	72	72	72	69	69	63	72	72	73	76	69	66
Golibar Chauk	70	71	74	67	65	59	68	72	72	68	66	64
Reshimbag	81	82	84	78	66	65	78	79	79	78	73	66
Gandhiputala	71	73	75	76	70	66	75	75	72	71	73	68
	Kalyan (30th August 2014)						Kalyan (3rd September 2014)					
Bhiwandi	79	82	75	82	88	73	72	67	75	67	66	66
Shivaji Chawk	71	78	82	76	73	73	86	74	78	67	58	48
Ulhasnagar Station	79	79	74	85	78	80	67	68	72	76	71	74
	Amravati (30th August 2014)						Amravati (3rd September 2014)					
Bhudhwara	63	67	67	64	63	61	68	77	81	75	75	70
Rajkamal Square	85	76	75	74	73	70	80	75	77	74	72	68
Irvin Hospital Square	64	62	62	59	57	53	61	63	67	66	67	64
	Jalgaon (30th August 2014)						Jalgaon (3rd September 2014)					
Subhash Chowk	83	78	80	74	69	68	80	77	74	73	72	71
Shashtri Tower Chowk	83	80	80	75	72	71	89	78	76	74	70	70
Shanipeth Police Station	76	78	74	71	66	64	73	62	65	66	62	61
	Kolhapur (30th August 2014)						Kolhapur (3rd September 2014)					
Rajaram Puri	84	82	80	75	65	56	88	86	81	80	84	72
Mahalaxmi Mandir	65	69	72	60	54	50	67	65	70	62	54	48
Khas Baug Maidan	87	90	81	79	69	52	91	90	90	88	83	64
	Satara (30th August 2014)						Satara (3rd September 2014)					
Powai Naka	77	69	64	62	67	64	73	75	78	79	64	62
Moti Chowk	69	67	67	77	67	68	69	73	72	68	74	55
Rajwada	70	71	66	79	75	72	67	72	74	75	79	65

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00
	Mumbai (6th September 2014)						Mumbai (8th September 2014)					
Andheri	67	75	74	86	77	69	71	84	86	83	86	84
Bandra	76	74	73	73	76	71	77	75	78	78	63	62
Bhandup	74	76	72	76	72	71	61	65	78	86	62	67
Borivali	74	76	72	76	68	65	73	86	88	94	98	99
Byculla	74	76	75	78	71	73	96	83	72	86	83	79
Chembur (E)	73	72	74	73	69	70	75	74	71	74	78	74
Chembur (W)	80	73	75	81	73	71	72	84	60	72	76	74
Chinchpokali (E)	80	79	81	76	79	82	92	94	92	75	74	75
Chinchpokali (W)	75	73	71	74	69	68	95	97	95	86	74	65
Dadar (E)	79	85	78	77	73	70	86	85	80	74	77	73
Dadar (W)	71	73	68	67	68	73	79	81	79	84	87	86
Elphinstone	72	74	71	69	70	73	74	75	74	77	78	79
Ghatkopar	71	72	76	71	72	81	73	76	74	72	79	90
Girgaon Chowpati	73	72	76	72	70	81	81	86	87	84	84	83
Grant Road	71	71	88	77	70	73	79	80	80	80	81	77
Juhu Chowpati	75	74	86	77	70	77	75	75	78	79	82	83
Kandivali (E)	79	73	84	77	74	74	86	85	86	68	70	70
Kandivali (W)	73	74	89	76	72	78	73	68	70	73	60	69
Khar	71	74	85	74	70	72	85	77	72	65	64	66
Mulund	73	74	77	80	73	76	78	75	70	64	74	78
Mumbai Central	77	73	76	92	71	79	78	75	71	73	75	68
Parel	75	72	78	77	75	73	71	72	75	72	70	71
Santacruz (E)	74	72	79	78	73	74	86	89	80	81	76	76
Vikhroli	74	72	75	78	78	74	78	67	64	79	74	74
Wadala	75	73	74	80	71	73	78	75	70	64	74	78
	Navi Mumbai (6th September 2014)						Navi Mumbai (8th September 2014)					
Airoli	74	74	73	80	80	75	87	86	72	77	76	70
CBD Belapur	76	76	72	73	79	73	76	77	82	66	70	70
Kopar Khairane	72	75	74	75	81	71	64	66	71	72	76	73
Uran	76	78	73	71	76	74	72	69	75	75	81	85
Vashi	68	71	69	73	79	69	89	84	73	74	79	79
	Thane (6th September 2014)						Thane (8th September 2014)					
Gokhale Road	77	75	76	77	75	69	62	65	73	72	79	79
Jambli Naka	80	84	83	80	77	77	88	86	75	79	74	77
Naupada	78	79	76	73	72	70	72	68	71	70	70	70
Pokhran Road	73	74	73	78	76	75	86	70	79	71	65	70
Wagle Estate	72	71	65	74	71	80	89	84	72	75	70	69

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	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00
Court Naka	65	71	62	75	69	76	81	84	79	72	66	61
Mental Hospital	76	64	66	72	64	70	63	67	59	54	52	45
Bedekar Hospital	74	60	59	60	65	66	78	65	65	50	51	51
Kalwa	74	78	79	75	70	65	85	83	81	75	74	68
	Pune (6th September 2014)						Pune (8th September 2014)					
Shivaji Nagar	79	89	87	86	82	76	88	91	93	90	85	71
Karve Road	67	77	87	87	83	77	76	86	89	95	94	87
SwarGate	87	86	85	83	83	80	86	85	84	83	82	80
Satara Road	70	75	83	84	81	68	77	83	90	89	91	85
Shaniwar Peth	79	81	81	81	79	77	78	84	81	80	83	91
Yerawada	79	81	88	86	78	77	88	89	93	92	88	80
Laxmi Road	103	100	99	86	66	60	113	106	115	110	113	111
Kothrud	64	72	81	85	75	68	83	90	91	94	92	84
Mahatma Phule Madai	100	98	98	80	70	61	113	111	112	119	116	110
Sarus Baug	82	82	77	66	62	58	84	87	85	84	82	71
Hadapsar	83	84	90	89	84	71	93	94	94	92	82	85
parvati	86	85	79	74	66	54	86	90	94	84	74	69
Koregaon Park	86	89	89	81	80	79	79	99	101	100	104	100
Khadaki	82	88	88	89	84	79	93	93	95	93	94	86
M G Road	85	85	85	83	85	80	86	86	84	81	80	79
Chapekar Chowk	80	82	88	87	91	78	90	98	101	96	100	97
Pimpri	78	79	80	77	74	69	87	100	106	105	99	98
Thergaon	79	80	83	84	77	74	83	88	89	90	86	81
Navi Sangavi	76	72	78	77	76	70	84	88	83	85	83	77
Bhosari Gavthan	74	77	82	93	74	67	82	87	93	98	86	69
	Nashik (6th September 2014)						Nashik (8th September 2014)					
Nashik Road/ Ramkund (on - 08.09.2014)	92	89	83	90	83	78	99	97	105	102	100	96
Panchvati/ Near Ashok Stambh (on - 08.09.2014)	87	96	90	104	92	86	74	83	82	97	99	94
CBS / Near Gadge Maharaj Statue (on - 08.09.2014)	93	85	87	89	95	97	100	93	98	99	99	99
CIDCO/ River Bank of Waldevi (on -	85	82	80	77	89	94	86	83	88	83	84	90

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	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00
08.09.2014)												
Dahi Pool/ CIDCO (Behind PF Off.) (on - 08.09.2014)	87	85	87	89	78	81	89	88	89	89	89	90
Aurangabad (6th September 2014)						Aurangabad (8th September 2014)						
Gulmandi	72	79	82	78	73	68	84	97	94	89	80	73
City Chowk	75	76	77	73	70	67	91	97	98	97	92	85
Kranti Chowk	79	81	80	75	74	71	83	88	93	89	85	80
CIDCO Residential	63	70	70	73	67	62	71	76	82	78	70	63
Usmanpura	71	76	79	73	69	65	76	80	85	81	75	72
Nagpur (6th September 2014)						Nagpur (8th September 2014)						
Ramdaspath (KRIMS Hospital) /(Sonegaon lake on - 08.09.2014)	60	60	59	59	60	58	60	71	73	71	65	57
Cotton Market (Jayshree Talkies) / (Gandhisagar on - 08.09.2014)	70	71	72	75	72	73	85	85	91	93	93	95
Golibar Chauk / (Futala lake on - 08.09.2014)	69	72	72	71	69	65	79	84	85	84	89	91
Reshimbag (Saraswati Vidyalaya) / (Sakkardara lake on - 08.09.2014)	76	83	81	78	77	74	79	80	83	83	84	81
Gandhiputala (Taori TV Showroom) / (Naik lake on - 08.09.2014)	77	78	74	75	74	69	74	74	73	76	73	74
Kalyan (6th September 2014)						Kalyan (8th September 2014)						
Bhiwandi	79	80	82	86	80	74	90	89	89	77	66	57
Shivaji Chawk	70	67	70	66	64	61	92	88	85	60	54	57
Ulhasnagar Station	75	76	74	73	72	74	93	86	88	62	55	54
Amravati (6th September 2014)						Amravati (8th September 2014)						
Bhudhwara	62	67	69	72	71	70	69	74	76	75	81	64

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00	18:00 - 19:00	19:00 - 20:00	20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 00:00
Rajkamal Square	76	79	76	74	73	70	82	79	84	74	71	68
Irvin Hospital Square	67	73	71	75	67	64	67	72	68	67	60	60
	Jalgaon (6th September 2014)						Jalgaon(8thSeptember 2014)					
Subhash Chowk	86	84	85	79	77	72	90	88	92	89	85	87
Shashtri Tower Chowk	91	93	88	81	78	74	93	98	105	98	92	90
Shanipeth Police Station	73	75	72	73	69	64	72	74	73	71	70	69
	Kolhapur (6th September 2014)						Kolhapur (8thSeptember 2014)					
Rajaram Puri	84	91	90	90	88	83	78	74	80	80	71	69
Mahalaxmi Mandir	70	70	69	64	53	49	78	69	76	78	75	72
Khas Baug Maidan	88	86	91	89	83	79	100	101	102	101	100	101
	Satara (6th September 2014)						Satara (8thSeptember 2014)					
Powai Naka	73	71	70	65	71	64	81	71	77	80	85	69
Moti Chowk	66	62	72	68	73	61	80	77	76	74	80	71
Rajwada	69	65	67	71	73	71	72	74	75	80	83	77

Annexure – V

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

	29-Aug-14 (Day Time)	29-Aug-14 (Night Time)	9-Sep-13	25-Sep-12	30-Aug-14	10-Sep-13	3-Sep-14	13-Sep-13	27-Sep-12	6-Sep-14	15-Sep-13	28-Sep-12	8-Sep-14	18-Sep-13	29-Sep-12
	Mumbai														
Andheri	68	77	62.0	83.0	77	82.2	87.1	75	77	83	75	71	74	82	67
Bandra	77	63	74.8	74.7	77	85.3	75.5	74	77	78	74	90	79	70	71
Bhandup	65	50	56.6	76.5	75	82.1	74.7	75	82	74	73	76	86	70	56
Borivali	71	60	73.7	71.3	75	78.4	70.9	79	70	69	72	69	71	90	76
Byculla	80	68	68.9	76.9	78	73.3	77.3	76	71	75	74	66	75	83	68
Chembur (E)	70	70	78.9	82.6	76	80.1	82.7	57	79	81	72	71	79	74	74
Chembur (W)	76	69	74.8	70.8	70	79.2	68.9	70	76	70	75	67	75	73	64
Chinchpokali (E)	72	83	72.7	69.5	85	79.2	74.2	72	57	80	80	69	87	84	67
Chinchpokali (W)	78	74	68.1	71.1	77	78.8	76.7	79	77	78	72	80	68	85	74
Dadar (E)	68	67	56.0	81.3	77	72.8	80.2	73	93	82	77	84	82	79	83
Dadar (W)	73	73	55.8	80.3	67	72.7	80.8	72	76	79	70	65	82	83	68
Elphinstone	65	67	61.0	82.3	79	82.1	82.3	62	75	87	72	68	78	76	68
Ghatkopar	68	55	68.7	81.9	79	80.1	85.3	68	79	83	74	66	80	77	69
Girgaon Chowpati	76	72	72.8	91.5	77	83.3	75.0	75	78	72	74	68	76	84	71
Grant Road	75	77	71.2	76.2	73	74.9	74.7	69	85	77	75	67	77	80	65

REPORT ON AMBIENT NOISE MONITORING DURING GANESH FESTIVAL - 2014

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Juhu Chowpati	74	63	70.9	85.0	75	68.0	82.1	72	65	86	76	74	87	79	83
Kandivali (E)	65	57	72.4	77.2	79	68.5	72.1	77	74	72	77	73	80	78	75
Kandivali (W)	72	63	69.3	73.7	77	69.1	81.0	70	85	75	77	70	76	69	62
Khar	76	50	71.4	78.9	83	70.2	77.2	73	88	78	74	58	77	71	69
Mulund	75	60	63.9	83.2	84	69.5	82.9	69	61	82	75	67	80	73	80
Mumbai Central	79	68	54.6	92.9	75	67.6	82.7	77	70	84	78	60	83	73	75
Parel	76	70	80.3	69.7	80	64.7	70.0	68	67	69	75	62	68	72	67
Santacruz (E)	75	72	69.4	86.9	79	73.4	84.4	71	78	82	75	55	77	82	68
Vikhroli	74	79	80.7	80.5	77	77.2	79.1	76	70	78	75	83	78	72	79
Wadala	63	69	74.7	76.9	84	80.7	78.1	80	72	77	74	87	72	73	72
	Navi Mumbai														
Airoli	81	72	66.7	75.1	74	63.6	73.2	69	72	76	76	88	76	78	67
CBD Belapur	78	70	72.5	68.5	84	74.1	79.5	72	78	68	75	69	74	73	68
Kopar Khairane	72	67	65.7	73.9	95	75.0	72.6	68	75	74	74	65	72	70	71

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Uran	78	58	58.2	75.7	93	73.9	72.4	76	73	73	75	66	74	76	72
Vashi	69	72	66.0	75.6	86	70.7	71.4	80	63	76	71	71	75	80	72
	Thane														
Gokhale Road	74	79	65.7	74.3	77	70.3	75.6	74	68	74	75	58	68	72	61
Jambli Naka	71	54	72.5	72.4	73	68.7	74.6	75	54	71	80	73	74	80	63
Naupada	76	52	71.8	77.9	75	65.4	74.8	61	85	76	75	81	71	70	66
Pokhran Road	76	52	60.3	79.2	74	74.3	75.5	72	83	77	75	82	75	73	60
Wagle Estate	71	51	60.6	83.0	72	69.5	64.9	71	92	57	72	83	78	76	58
Court Naka	74	60	66.2	69.8	73	70.6	70.9	69	73	69	69	68	65	74	71
Mental Hospital	70	59	51.9	60.2	62	70.9	54.8	68	72	51	68	66	72	57	87
Bedekar Hospital	73	55	54.6	67.0	67	73.7	68.8	74	68	67	64	65	63	60	87
Kalwa	80	51	71.8	69.6	76	74.7	73.4	74	75	68	74	81	71	78	77
	Pune														
Shivaji Nagar	76	62	65.1	82.1	78	70.1	77.4	81	74	82	83	82	81	86	94

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Karve Road	75	56	70.4	80.7	73	80.2	83.5	81	86	81	80	81	84	88	88
SwarGate	80	63	68.4	78.5	82	66.1	77.4	83	79	86	84	82	79	83	88
Satara Road	72	55	76.7	77.1	80	82.1	75.6	78	85	76	77	80	82	86	90
Shaniwar Peth	77	60	75.1	77.9	73	74.6	78.3	79	80	77	80	78	79	83	84
Yerawada	72	60	69.9	82.5	77	69.8	79.5	75	73	79	81	74	78	88	75
Laxmi Road	82	53	92.0	66.9	70	72.7	91.2	86	73	88	86	77	79	111	106
Kothrud	70	53	66.2	84.7	69	66.6	81.2	74	77	84	74	83	80	89	99
Mahatma Phule Madai	76	51	93.6	80.1	71	66.8	82.3	88	70	86	84	76	80	113	101
Sarus Baug	73	54	69.9	74.1	76	76.2	79.6	73	75	78	71	77	77	82	81
Hadapsar	73	55	67.2	84.5	80	67.9	85.1	82	78	85	84	80	85	90	100
parvati	72	52	62.3	81.0	79	67.4	79.4	74	74	79	74	78	80	83	99
Koregaon Park	80	57	78.5	73.4	76	75.4	56.9	80	76	82	84	80	70	97	83
Khadaki	75	54	65.8	83.8	80	68.0	80.9	81	74	82	85	82	79	92	99
M G Road	74	58	58.7	83.1	79	72.1	82.9	82	73	84	84	73	84	83	97

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Chapekar Chowk	81	60	71.5	77.0	78	81.2	77.2	82	80	82	84	80	81	97	94
Pimpri	74	61	72.7	82.4	74	78.3	80.7	74	73	74	76	73	73	99	95
Thergaon	79	60	68.2	78.2	77	82.4	79.3	77	78	83	79	79	82	86	86
Navi Sangavi	72	59	62.4	98.2	76	62.3	76.9	80	66	72	75	105	71	83	77
Bhosari Gavthan	72	57	69.4	82.2	77	77.5	82.9	76	85	73	78	80	74	86	81
	Nashik														
Nashik Road/ Ramkund (on - 08.09.2014)	90	75	88.3	77.7	82	75.8	79.0	83	97	89	86	99	83	100	93
Panchvati/ Near Ashok Stambh (on - 08.09.2014)	86	84	89.6	81.1	90	92.4	80.7	92	95	78	92	95	85	88	89
CBS / Near Gadge Maharaj Statue (on - 08.09.2014)	74	77	89.3	85.8	87	84.2	79.6	86	97	81	91	98	82	98	99
CIDCO/ River Bank of Waldevi (on - 08.09.2014)	72	71	79.0	86.1	78	73.5	78.4	76	85	85	85	90	82	86	84
Dahi Pool/ CIDCO (Behind PF Off.) (on - 08.09.2014)	72	76	88.7	80.2	82	87.3	79.2	80	93	79	84	89	82	89	78
	Aurangabad														
Gulmandi	76	62	69.9	73.4	71	71.8	78.1	72	73	80	75	76	82	86	87

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City Chowk	73	61	68.2	70.0	69	69.5	72.0	69	70	73	73	75	76	93	94
Kranti Chowk	75	64	72.9	72.7	74	71.6	76.7	74	74	78	77	77	82	86	86
CIDCO Residential	65	52	58.6	56.3	60	61.9	63.2	62	62	65	68	67	68	74	70
Usmanpura	69	55	67.7	67.0	68	68.7	72.9	67	67	70	72	71	73	78	79
Nagpur															
Ramdaspath (KRIMS Hospital) / (Sonegaon lake on - 08.09.2014)	57	49	61.8	88.0	58	71.3	73.3	58	69	73	59	69	73	66	81
Cotton Market (Jayshree Talkies) / (Gandhisagar on - 08.09.2014)	72	60	65.1	71.8	69	72.0	73.3	72	74	71	72	75	71	90	71
Golibar Chauk / (Futala lake on - 08.09.2014)	71	59	71.3	72.0	68	62.1	74.0	68	73	72	70	67	71	85	94
Reshimbag (Saraswati Vidyalaya) / (Sakkardara lake on - 08.09.2014)	72	55	70.5	74.5	76	72.7	82.1	76	76	76	78	76	75	82	84
Gandhiputala (Taori TV Showroom) / (Naik lake on - 08.09.2014)	82	65	74.3	82.6	72	71.5	71.7	72	75	83	74	75	86	74	79
Kalyan															

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Bhiwandi	71	65	56.4	78.2	80	70.5	70.6	69	51	79	80	71	75	78	67
Shivaji Chawk	72	66	54.0	74.5	76	77.0	75.3	68	89	76	66	68	76	73	63
Ulhasnagar Station	72	48	75.9	68.8	79	73.4	66.6	71	82	71	74	68	68	73	70
	Amravati														
Bhudhwara	68	50	58.0	69.7	64	68.6	72.7	74	76	72	68	75	77	73	79
Rajkamal Square	79	56	64.2	72.2	76	73.0	74.9	74	73	75	75	73	74	76	72
Irvin Hospital Square	62	47	57.9	62.7	60	72.8	64.6	65	70	64	69	69	64	66	67
	Jalgoan														
Subhash Chowk	77	71	79.2	79.8	75	68.7	77.9	74	73	76	80	80	81	88	87
Shashtri Tower Chowk	75	59	84.5	78.9	77	74.7	79.4	76	76	77	84	84	85	96	96
Shanipeth Police Station	73	59	64.9	70.3	71	65.2	73.2	65	64	78	71	65	72	71	66
	Kolhapur														
Rajaram Puri	80	68	70.5	80.7	73	73.7	81.5	82	76	85	88	86	86	75	75
Mahalaxmi Mandir	69	55	57.0	67.8	62	56.7	57.0	61	57	61	62	62	60	75	80

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Khas Baug Maidan	85	69	73.0	79.5	76	81.0	79.7	84	81	84	86	87	86	101	100
	Satara														
Powai Naka	66	60	55.8	82.1	67	68.9	77.9	72	70	83	69	70	80	77	73
Moti Chowk	70	56	58.5	83.3	69	70.9	79.0	68	72	78	67	68	80	76	74
Rajwada	66	48	57.1	83.9	72	70.1	79.7	72	70	82	69	68	86	77	74