



Regional office

Rajasthan State Pollution Control Board

Address : F-470, Near UCCI Building, M.I.A, Udaipur (Raj.)

Email : rorpcbudaipur@gmail.com Phone no : 0294-2491269

No.: RPCB/RO U/UDR/ - 1490

Dated: 21/01/2022

The District Collector,
Udaipur

Subject- Report of City Noise Monitoring from 2019 to 2021 conducted by RSPCB, Udaipur.


Sir,

In Reference to above, Rajasthan State Pollution Control Board, Udaipur is monitoring city noise monthly at following Four Locations from January, 2019 onwards to assess the impact of predominantly noise level in the city.

1. At Nagar Nigam Office, Town Hall (Commercial)
2. MB Hospital at Blood Bank (Silence)
3. Ambamata (Residential)
4. RRPCB, Regional Office (Industrial)

Detail noise monitoring reports in soft copy & Hard copy i.e. Jan to Jun 2019, July to Dec. 2019, Jan to Dec. 2020, Jan to Jun 2021 & July to Dec. 2021 are being submitted for information please.

Yours Faithfully,


(Vinay Katta)
Regional Officer

Copy to:-

1. To Chief Scientific Officer, RSPCB for information and further necessary action.
2. ✓ GIC IT, for Uploading on website of the state board.


21/1
Regional Officer

*Status of Noise Level in Udaipur City
(From January to June, 2019)*



Rajasthan State Pollution Control Board

Status of Noise Level in Udaipur City (From January to June, 2019)

Background

In order to assess the impact of predominating Noise Level in Udaipur City, Rajasthan State Pollution Control Board conducts study on Noise Level Monitoring in Udaipur City at 4 different stations throughout the year. This report is compilation of results and observations of the study conducted from January to June, 2019.

The Noise level monitoring was conducted day time (6.00 AM to 10.00 PM) and night time (10.00 PM to 6.00 AM) for half hour interval at each location with sampling frequency of one second.

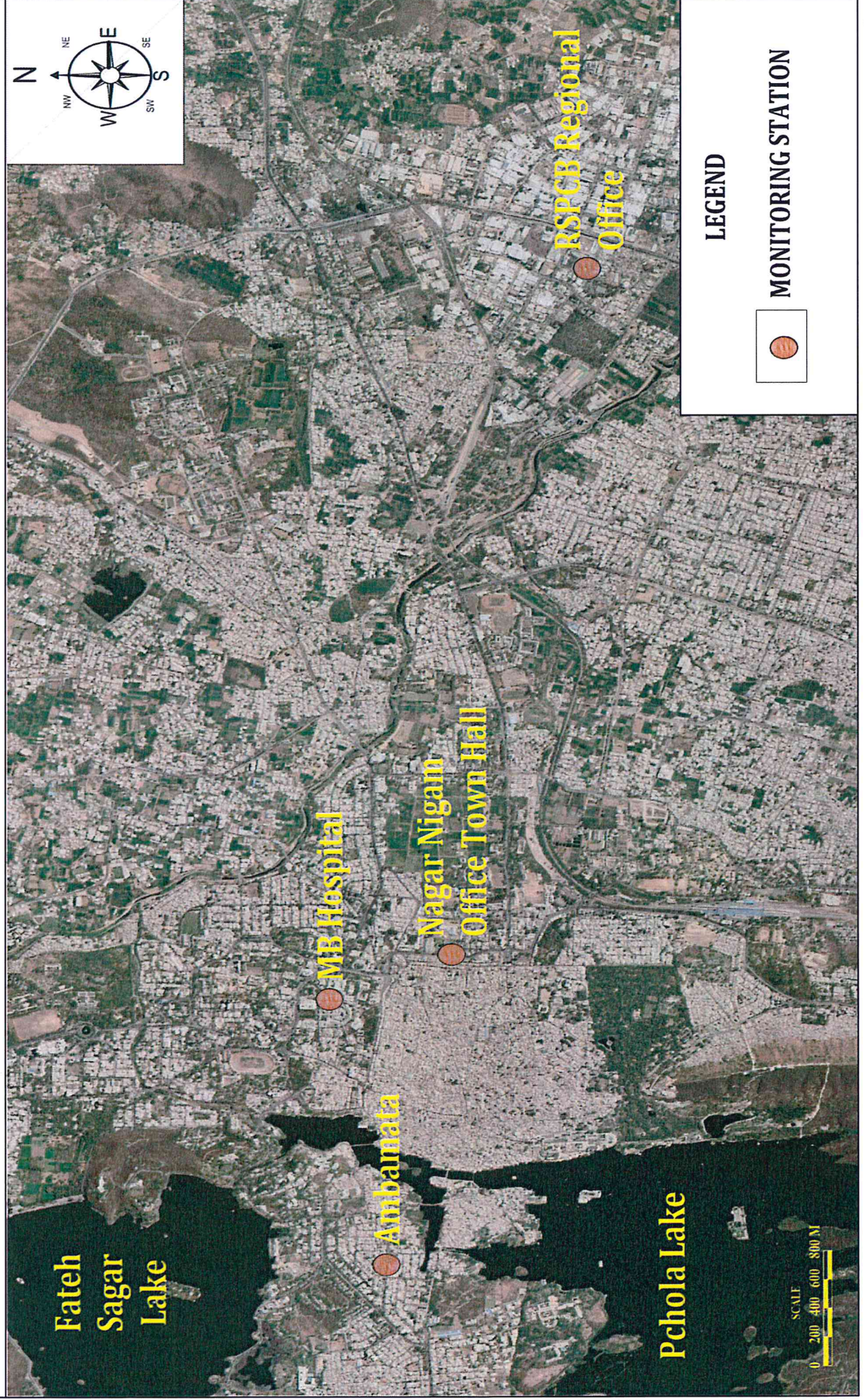
Monitoring Locations

In order to maintain uniformity in monitoring Residential, Commercial, Industrial and Silence Zone were selected in respect of Noise Standards prescribed under the provisions of Noise Pollution (Regulation & Control) Rules, 2000. The monitoring network consisted of a total of 4 monitoring locations in Udaipur City.

Table :1 Monitoring Locations of Udaipur City

S.No.	Details of Monitoring Locations in Udaipur City	Category of Area/Zone	Latitude	Longitude
1.	At Nagar Nigam Office, Town Hall	Commercial	24.582349	73.696795
2.	MB Hospital (at Blood Bank)	Silence	24.588705	73.693513
3.	Ambamata	Residential	24.58555	73.67501
4.	RSPCB, Regional Office	Industrial	24.575453	73.744606

MAP SHOWING MONITORING LOCATION OF UDAIPUR CITY



Monitoring Results

The comparative statement of noise level monitoring conducted in Udaipur City is depicted below:-

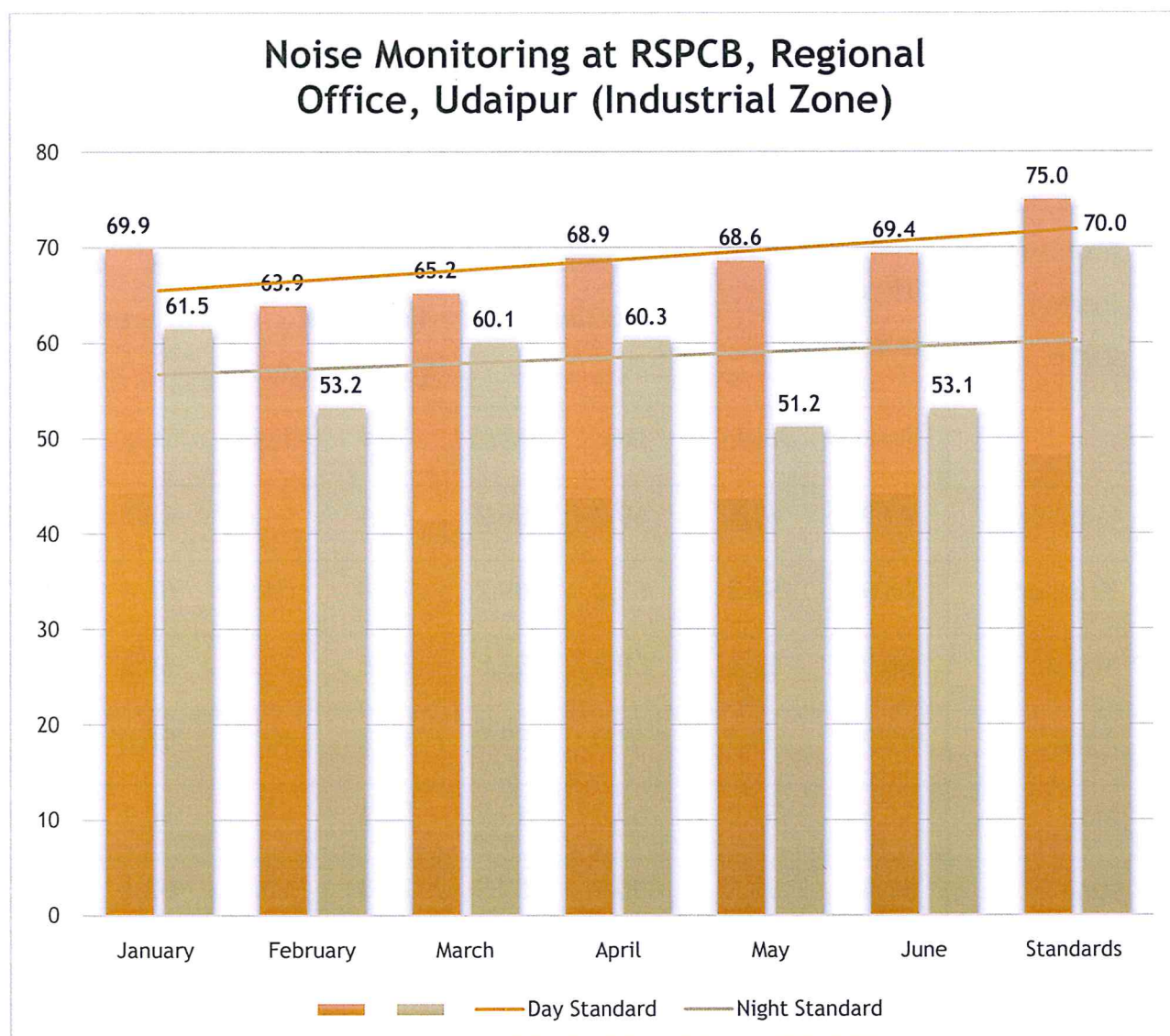
Table :2 Comparative Statement of Noise Level Monitoring

Monitoring Period 2019	Monitoring Locations							
	RSPCB, Regional Office (Industrial)		Ambamata (Residential)		At Nagar Nigam Office, Townhall (Commercial)		MB Hospital (Silence)	
	Day	Night	Day	Night	Day	Night	Day	Night
January	69.9	61.5	69.2	66.2	68.4	64.6	63.1	59.8
February	63.9	53.2	61.2	69.2	70.8	64.9	62.4	56.4
March	65.2	60.1	60.1	55.8	69.6	51.2	64.2	50.8
April	68.9	60.3	63.8	59.9	66.2	60.1	66.8	59.8
May	68.6	51.2	60.3	49.2	72.1	58.3	59.4	50.3
June	69.4	53.1	66.9	52.3	70.3	60.8	62.4	50.5
Standards	75.0	70.0	55.0	45.0	65.0	55.0	50.0	40.0

All values are in Leq. dB(A)

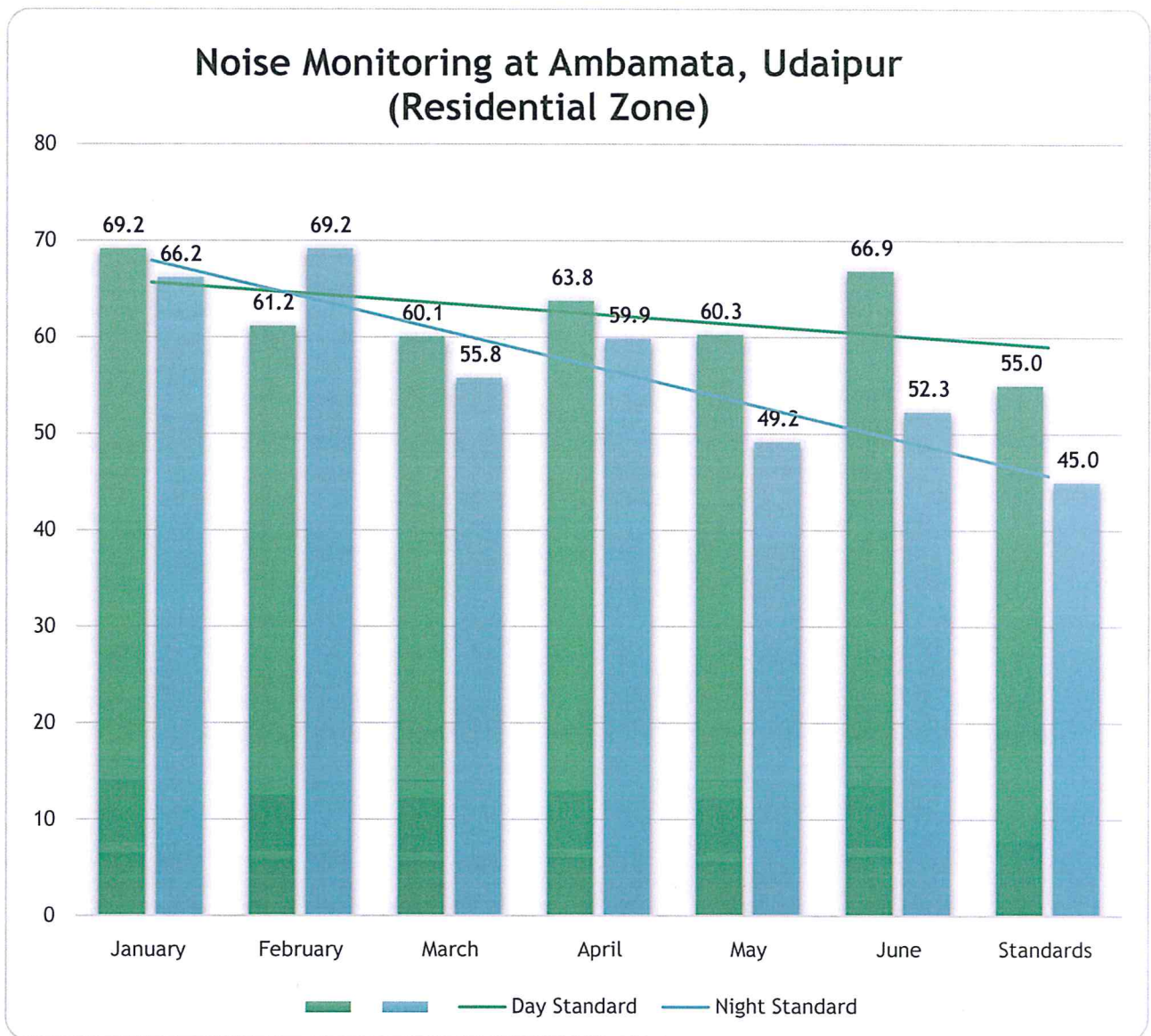
Zone wise data interpretation of noise level from January to June, 2019

Industrial Zone



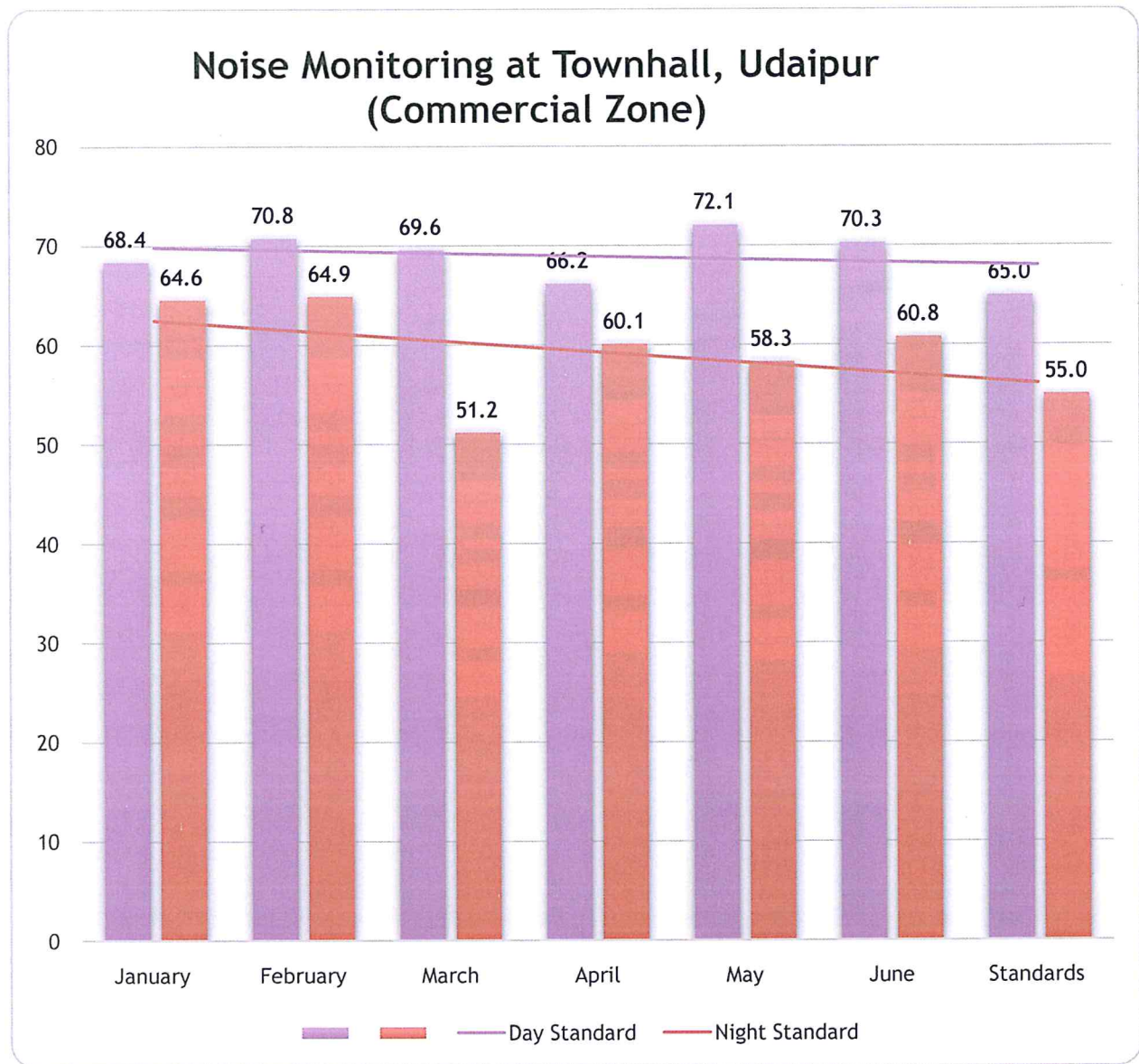
In industrial zone sound level ranges from 63.9 to 69.9 dB(A) during day time and 51.2 to 61.5 dB(A) during night time. All results are found within the prescribed standards from January to June 2019.

Residential Zone



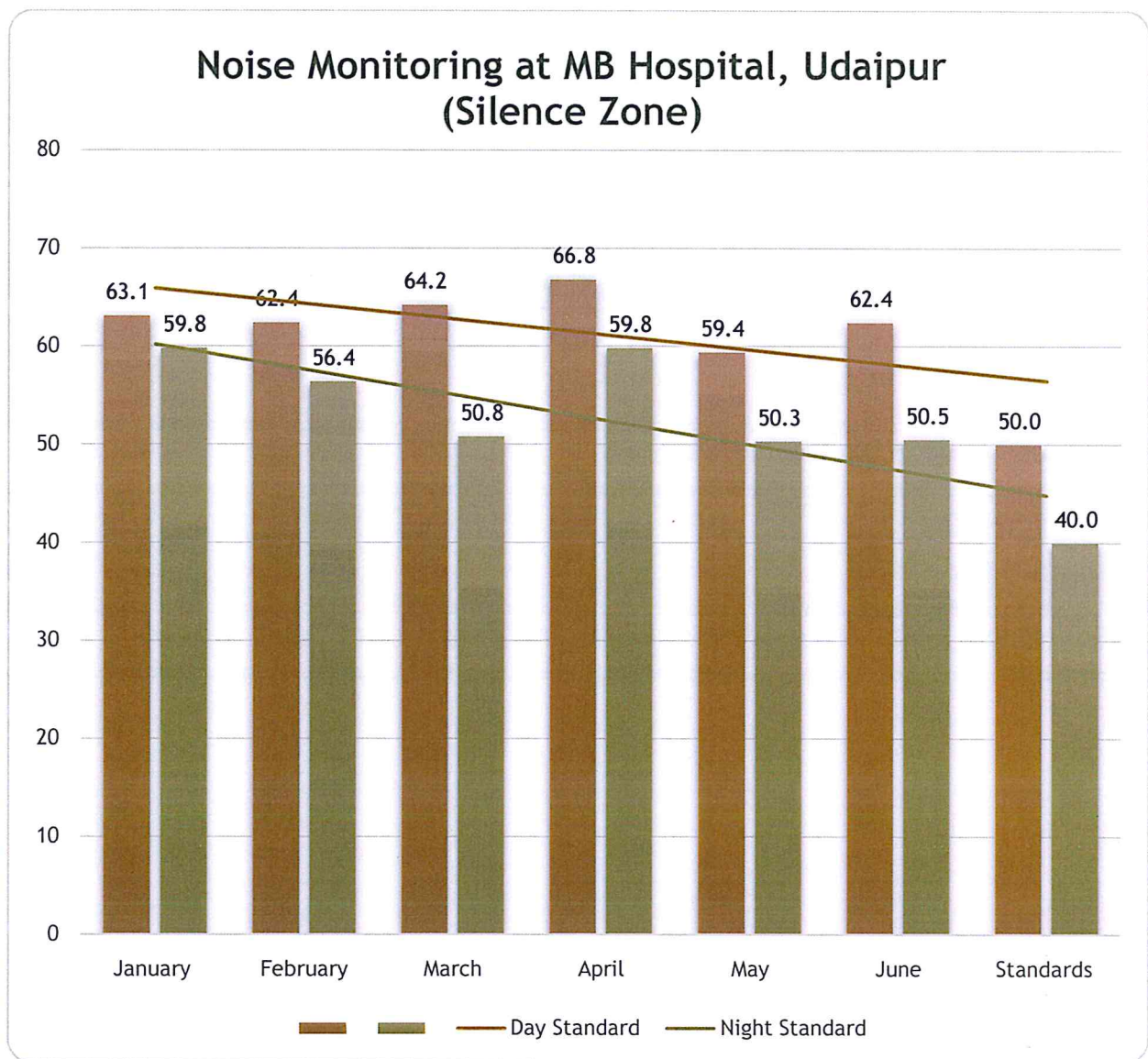
In residential zone sound level ranges from 60.1 to 69.2 dB(A) during day time and 49.2 to 69.2 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time from January to June 2019.

Commercial Zone



In commercial zone sound level ranges from 66.2 to 72.1 dB(A) during day time and 51.2 to 64.9 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time from January to June 2019 except March 2019 night time i.e. 51.2 dB(A).

Silence Zone



In silence zone sound level ranges from 59.4 to 66.8 dB(A) during day time and 50.3 to 59.8 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time from January to June 2019.



Regional Officer: Sh. Vinay Katta, SEE

**Report preparation & data compilation: Mrs. Payal Pancholi, SO (Lab Incharge),
Dr. Aditi Solanki, SO**

Monitoring Team: Dr. Aditi Solanki, SO, Dr. Bhupendra Kumar Soni, SO

*Status of Noise Level in Udaipur City
(From July to December, 2019)*



Rajasthan State Pollution Control Board

Status of Noise Level in Udaipur City (From July to December, 2019)

Background

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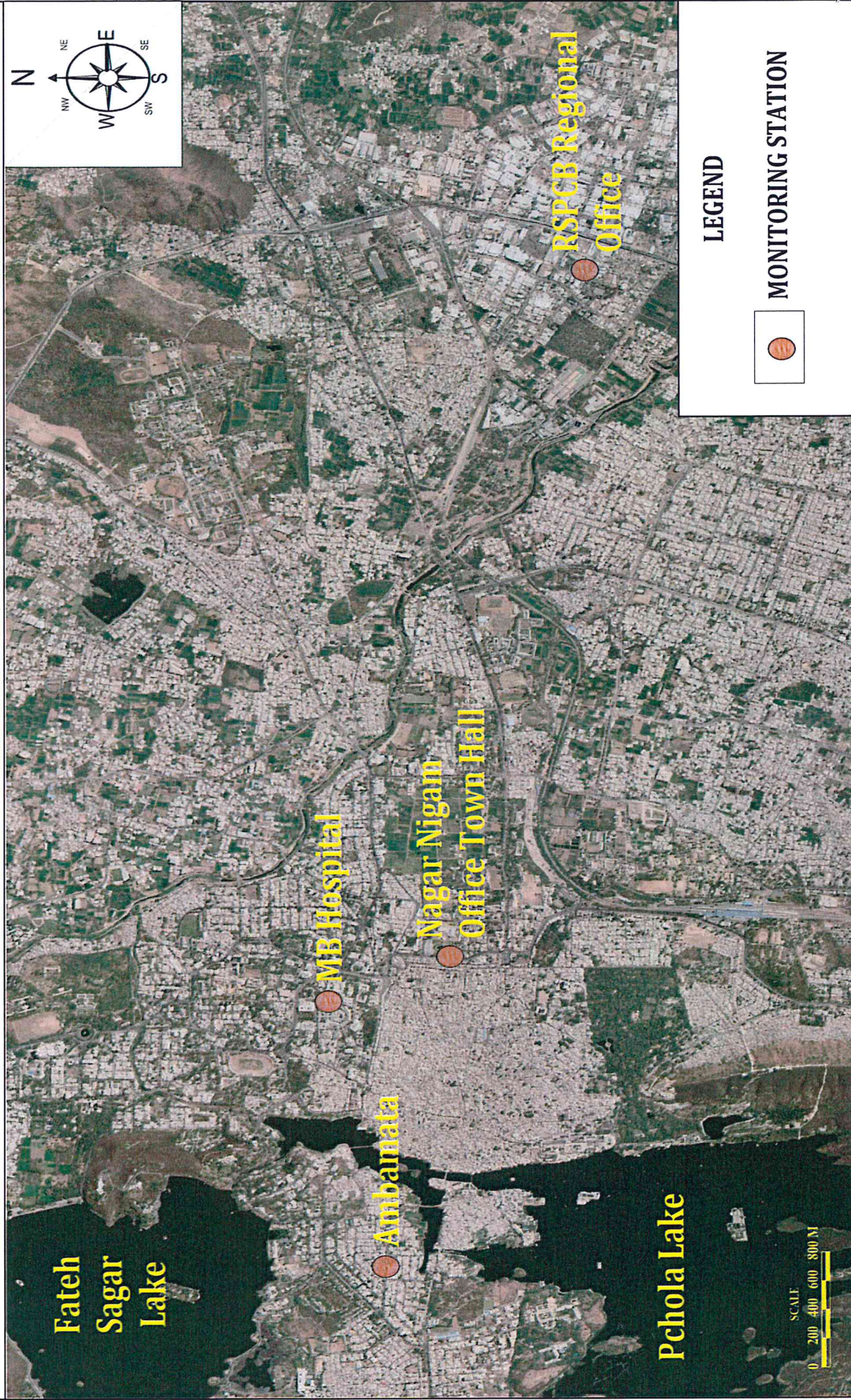
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2.	MB Hospital (at Blood Bank)	Silence	24.588705	73.693513
3.	Ambamata	Residential	24.58555	73.67501
4.	RSPCB, Regional Office	Industrial	24.575453	73.744606

MAP SHOWING MONITORING LOCATION OF UDAIPUR CITY



Monitoring Results

The comparative statement of noise level monitoring conducted in Udaipur City is depicted below:-

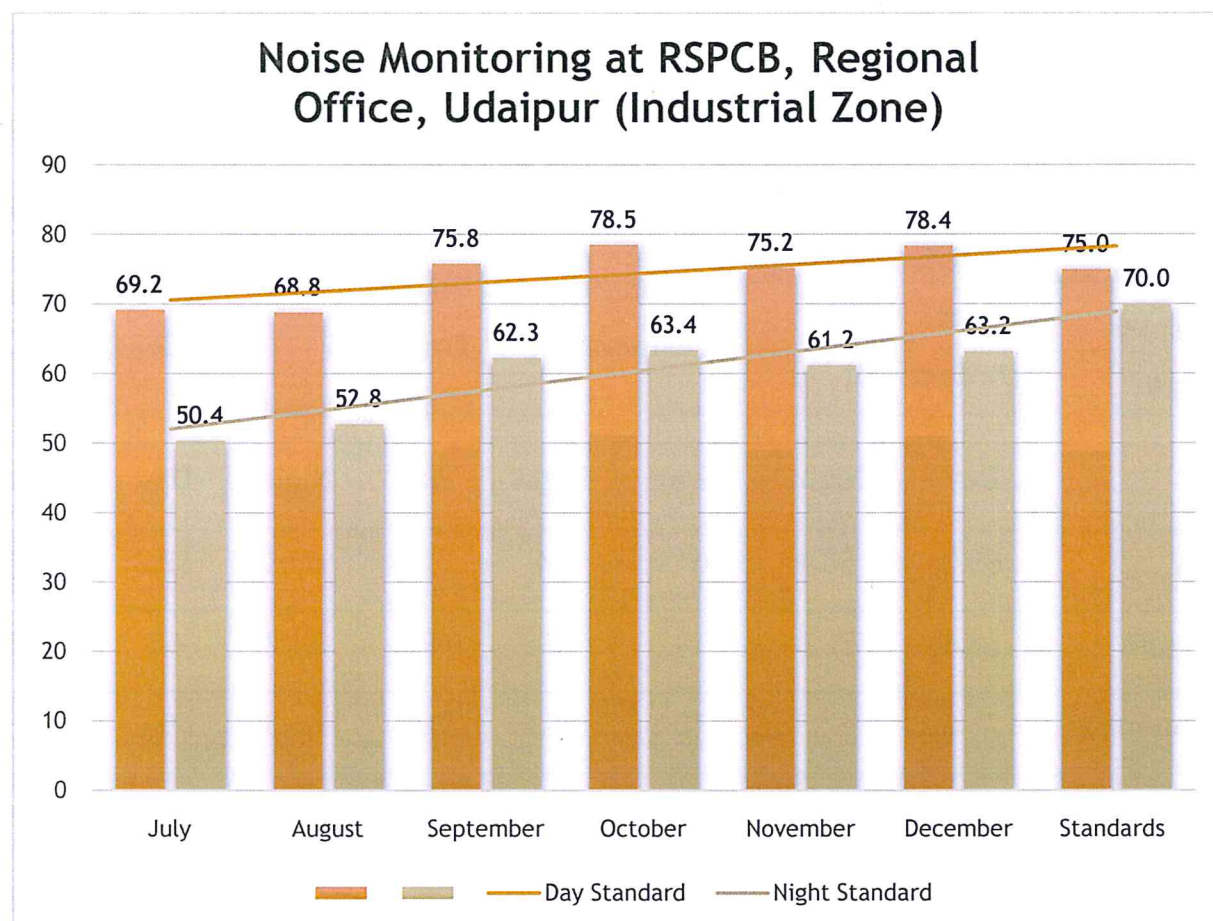
Table :2 Comparative Statement of Noise Level Monitoring

Monitoring Period 2019	Monitoring Locations							
	RSPCB, Regional Office (Industrial)		Ambamata (Residential)		At Nagar Nigam Office, Townhall (Commercial)		MB Hospital (Silence)	
	Day	Night	Day	Night	Day	Night	Day	Night
July	69.2	50.4	61.2	44	70.6	60.1	62.2	49.6
August	68.8	52.8	59.6	46.8	69.2	54.2	63	48.1
September	75.8	62.3	70.1	55.4	78.4	66.3	69.8	54.3
October	78.5	63.4	72.1	61	80.4	64.3	70.3	51.2
November	75.2	61.2	76.3	66.3	81.2	65.3	71.4	54.4
December	78.4	63.2	70.3	58.2	85.3	65.4	72.4	59.4
Standards	75.0	70.0	55.0	45.0	65.0	55.0	50.0	40.0

All values are in Leq. dB(A)

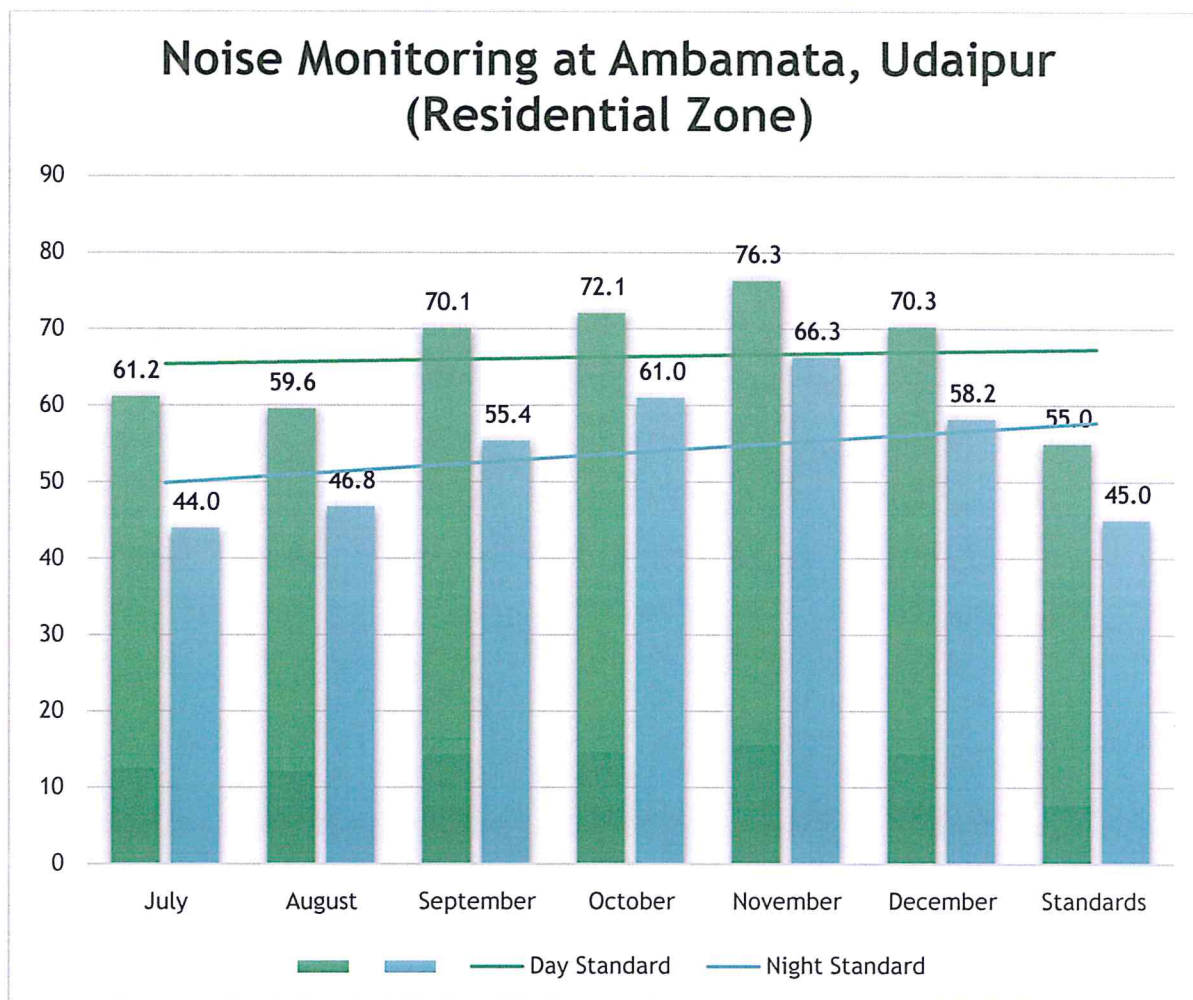
Zone wise data interpretation of noise level from July to December, 2019

Industrial Zone



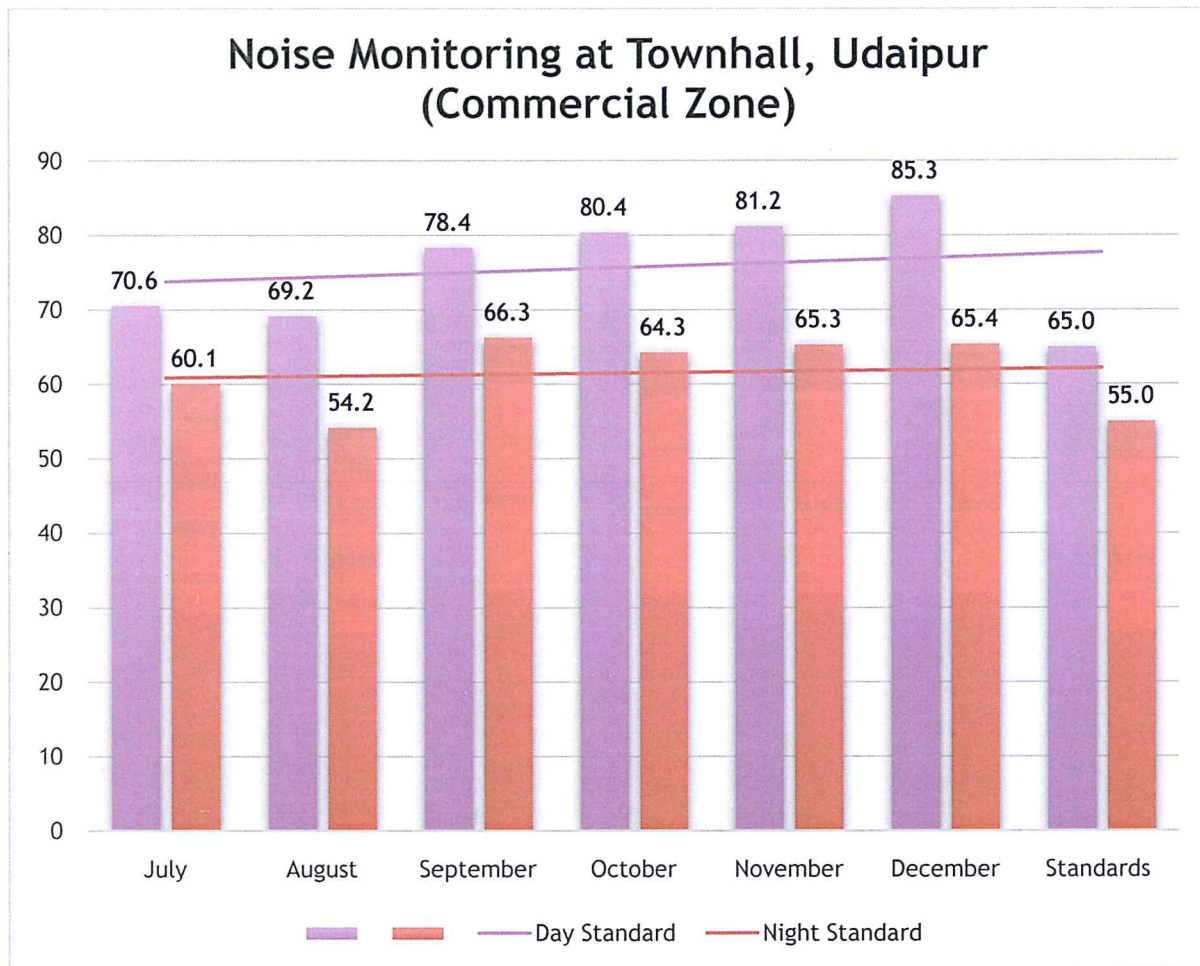
In industrial zone sound level ranges from 68.8 to 78.5 dB(A) during day time and 50.4 to 63.4 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day time except July and August i.e. 69.2 & 68.8 dB(A) respectively whereas all values were observed within prescribed standards in night time from July to December 2019.

Residential Zone



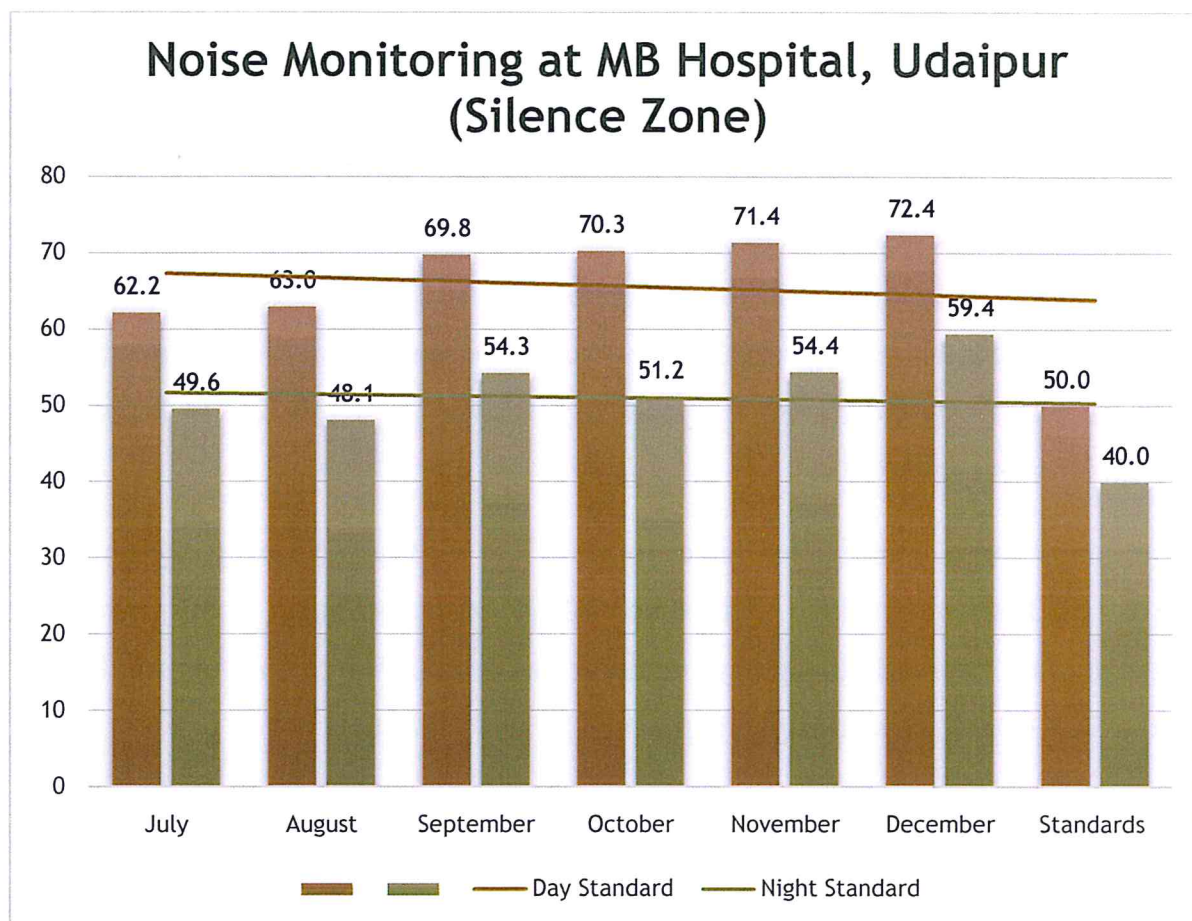
In residential zone sound level ranges from 59.6 to 76.3 dB(A) during day time and 44.0 to 66.3 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time except July i.e. 44.0 dB(A) in night time from July to December 2019.

Commercial Zone



In commercial zone sound level ranges from 69.2 to 85.3 dB(A) during day time and 54.2 to 66.3 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time except August i.e. 54.2 dB(A) in night time from July to December 2019.

Silence Zone



In silence zone sound level ranges from 62.2 to 72.4 dB(A) during day time and 48.4 to 59.4 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time from July to December, 2019.

Noise Quality in Udaipur City for the year 2019:-

In industrial area, sound level ranges from 63.9 to 78.5 dB(A) during day time and 50.4 to 63.4 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time except July and August i.e. 69.2 dB(A) & 68.8 dB(A) respectively in day time for the year 2019.

In residential area, sound level ranges from 59.6 to 76.3 dB(A) during day time and 44.0 to 69.2 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time except July i.e. 44.0 dB(A) in night time for the year 2019.

In commercial area, sound level ranges from 66.2 to 85.3 dB(A) during day time and 51.2 to 66.3 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time except March and August i.e. 51.2 dB(A) & 54.7 dB(A) respectively in night time for the year 2019.

In silence area, sound level ranges from 59.4 to 72.4 dB(A) during day time and 48.4 to 59.8 dB(A) during night time. 100% of exceedance from prescribed standards was observed during day and night time for the year 2019.



Regional Officer: Sh. Vinay Katta, SEE

**Report preparation & data compilation: Mrs. Payal Pancholi, SO (Lab Incharge),
Dr. Aditi Solanki, SO**

Monitoring Team: Dr. Aditi Solanki, SO, Dr. Bhupendra Kumar Soni, SO

*Status of Noise Level in Udaipur City
(From January to December, 2020)*



Rajasthan State Pollution Control Board

Status of Noise Level in Udaipur City (From January to December, 2020)

Background

In order to assess the impact of predominating Noise Level in Udaipur City, Rajasthan State Pollution Control Board conducts study on Noise Level Monitoring in Udaipur City at 4 different stations throughout the year. This report is compilation of results and observations of the study conducted from January to December, 2020.

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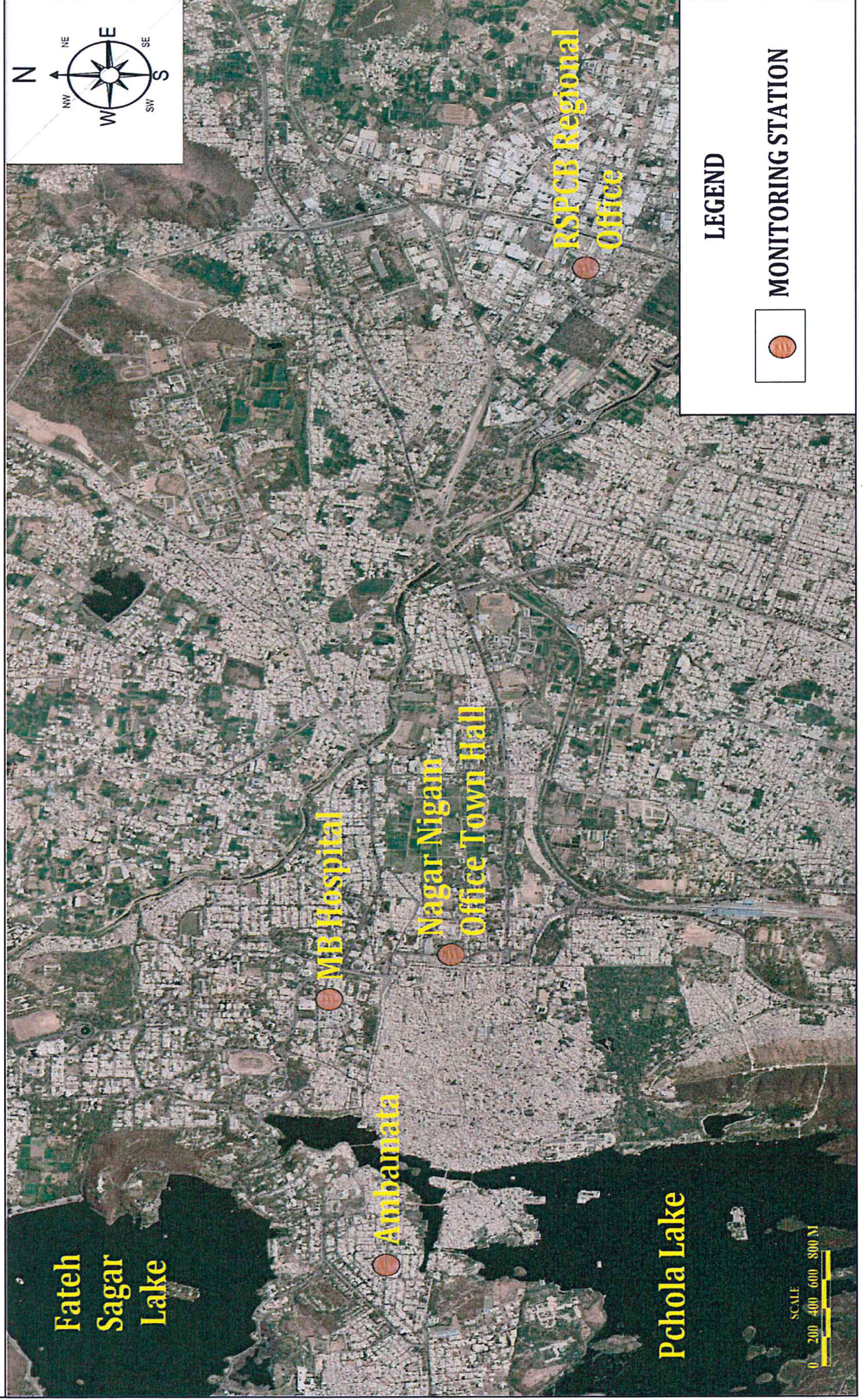
Monitoring Locations

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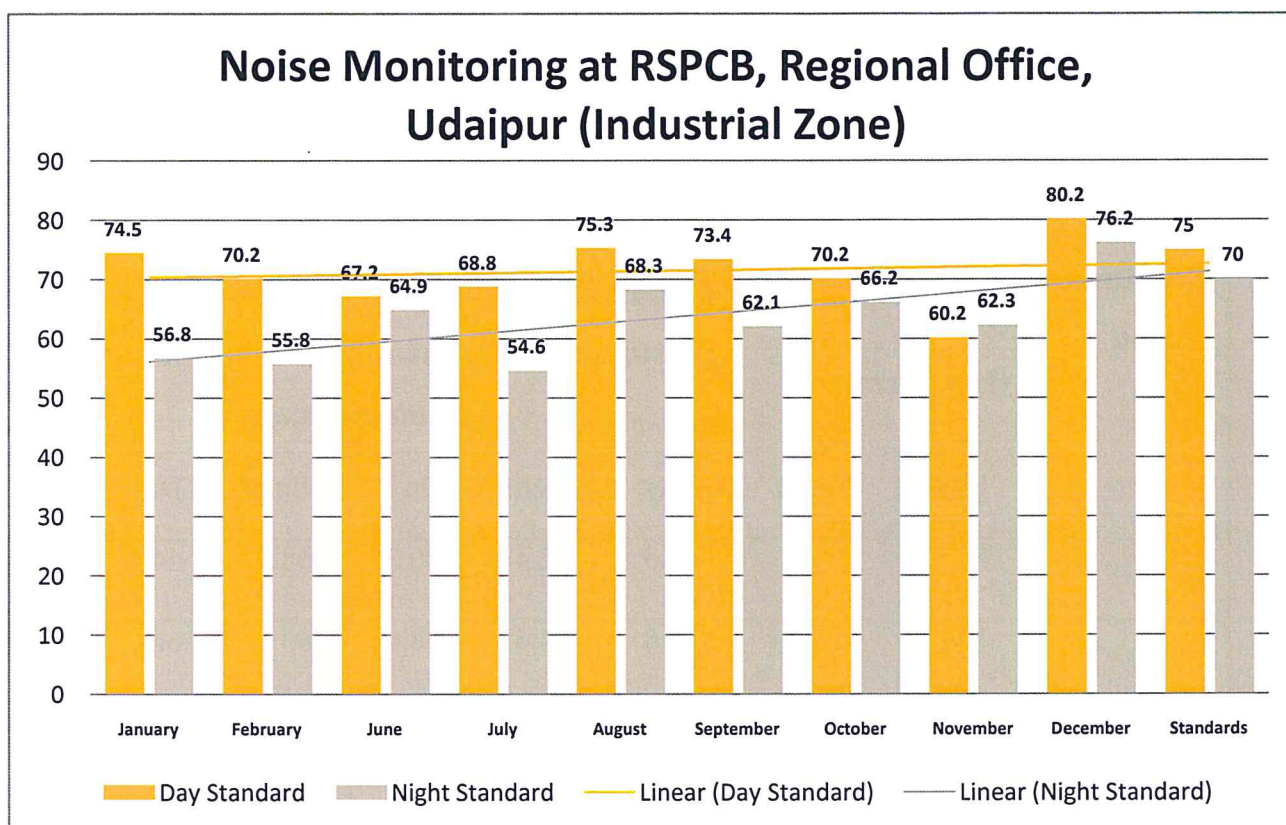
Monitoring Period 2020	Monitoring Locations							
	RSPCB, Regional Office (Industrial)		Ambamata (Residential)		At Nagar Nigam Office, Townhall (Commercial)		MB Hospital (Silence)	
	Day	Night	Day	Night	Day	Night	Day	Night
January	74.5	56.8	68.5	52.4	80.2	58.6	64.6	54.4
February	70.2	55.8	66.8	54.4	78.8	60.6	66.0	52.8
June	67.2	64.9	68.2	65.2	75.2	65.9	48.2	56.6
July	68.8	54.6	66.0	55.1	74.4	60.3	62.2	49.4
August	75.3	68.3	74.2	60.8	83.4	69.8	65.8	59.8
September	73.4	62.1	70.4	60.2	76.2	63.4	68.2	64.0
October	70.2	66.2	68.4	65.4	72.4	68.3	67.2	60.3
November	60.2	62.3	59.8	54.3	62.3	61.8	57.9	56.2
December	80.2	76.2	79.6	71.3	84.3	79.8	70.1	69.4
Standards	75.0	70.0	55.0	45.0	65.0	55.0	50.0	40.0

All values are in Leq. dB(A)

During month of March, April & May Noise monitoring was not conducted due to Covid-19 lockdown.

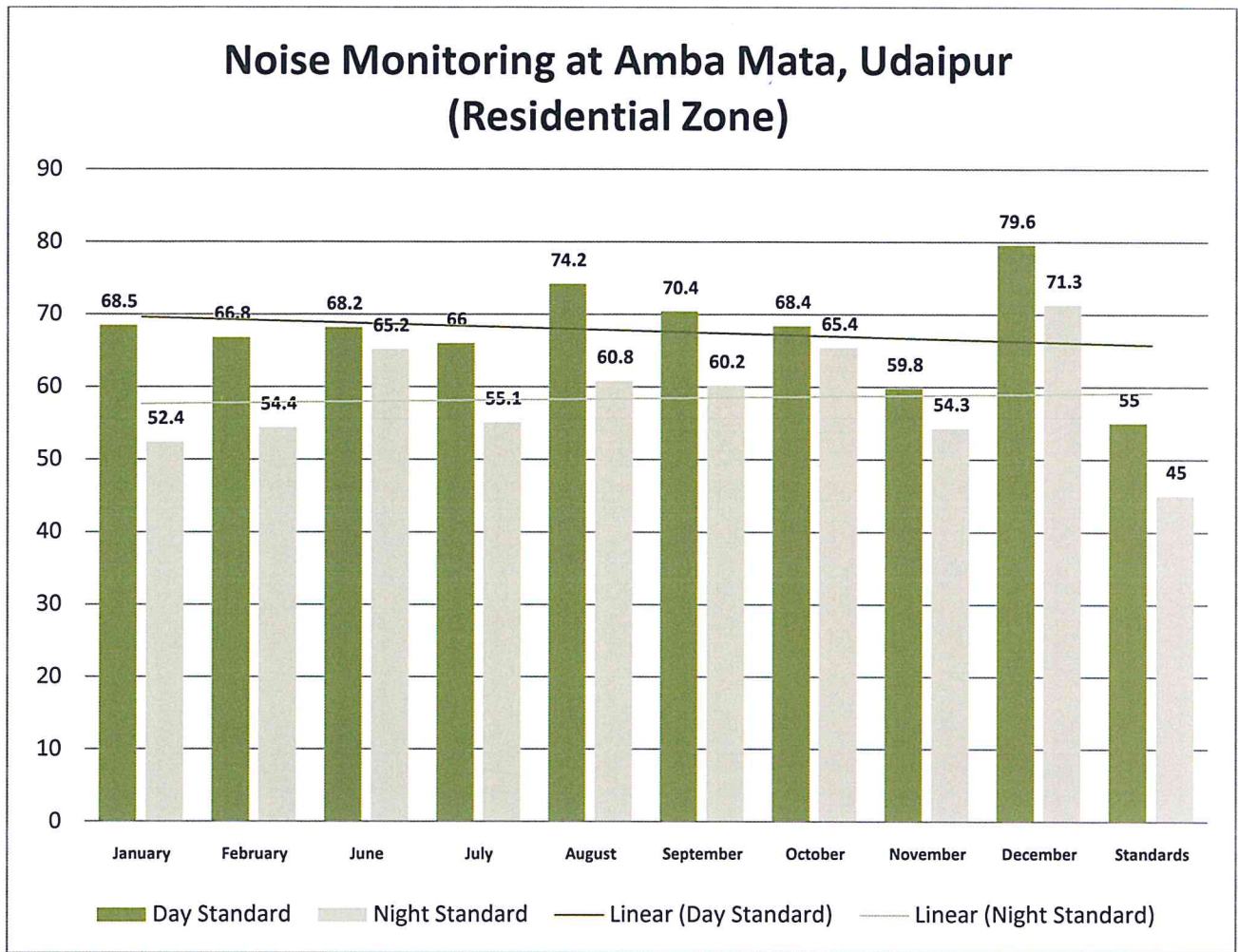
Zone wise data interpretation of noise level from January to December, 2020

Industrial Zone



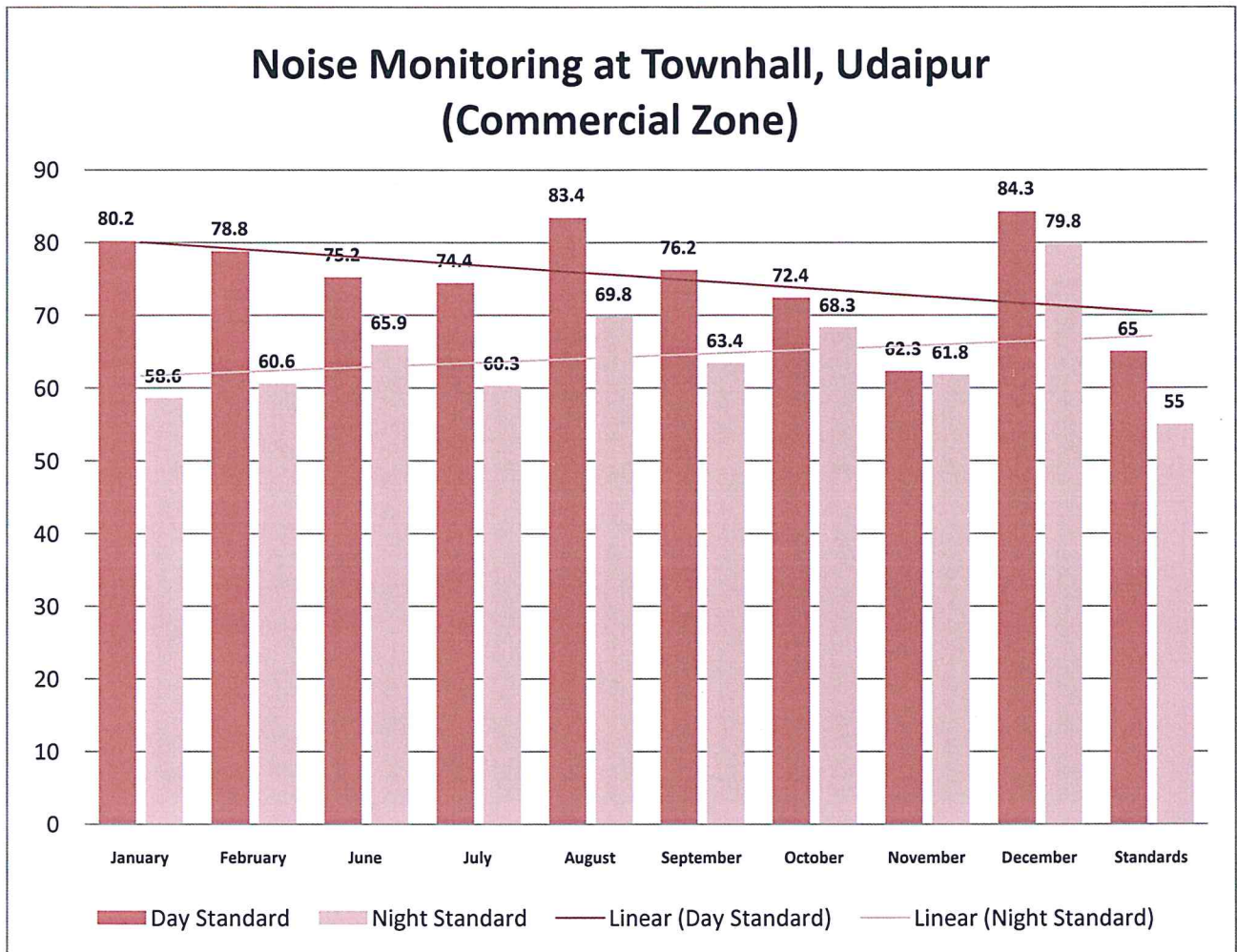
In industrial zone sound level ranges from 60.2 to 80.2 dB(A) during day time and 54.6 to 76.2 dB(A) during night time. All results are found within the prescribed standards from January 2020 to November 2020 except in the months of August during day time (75.3) & December where during Day(80.2) & Night time (76.2) results were found beyond the prescribed limit 75 dB (A).

Residential Zone



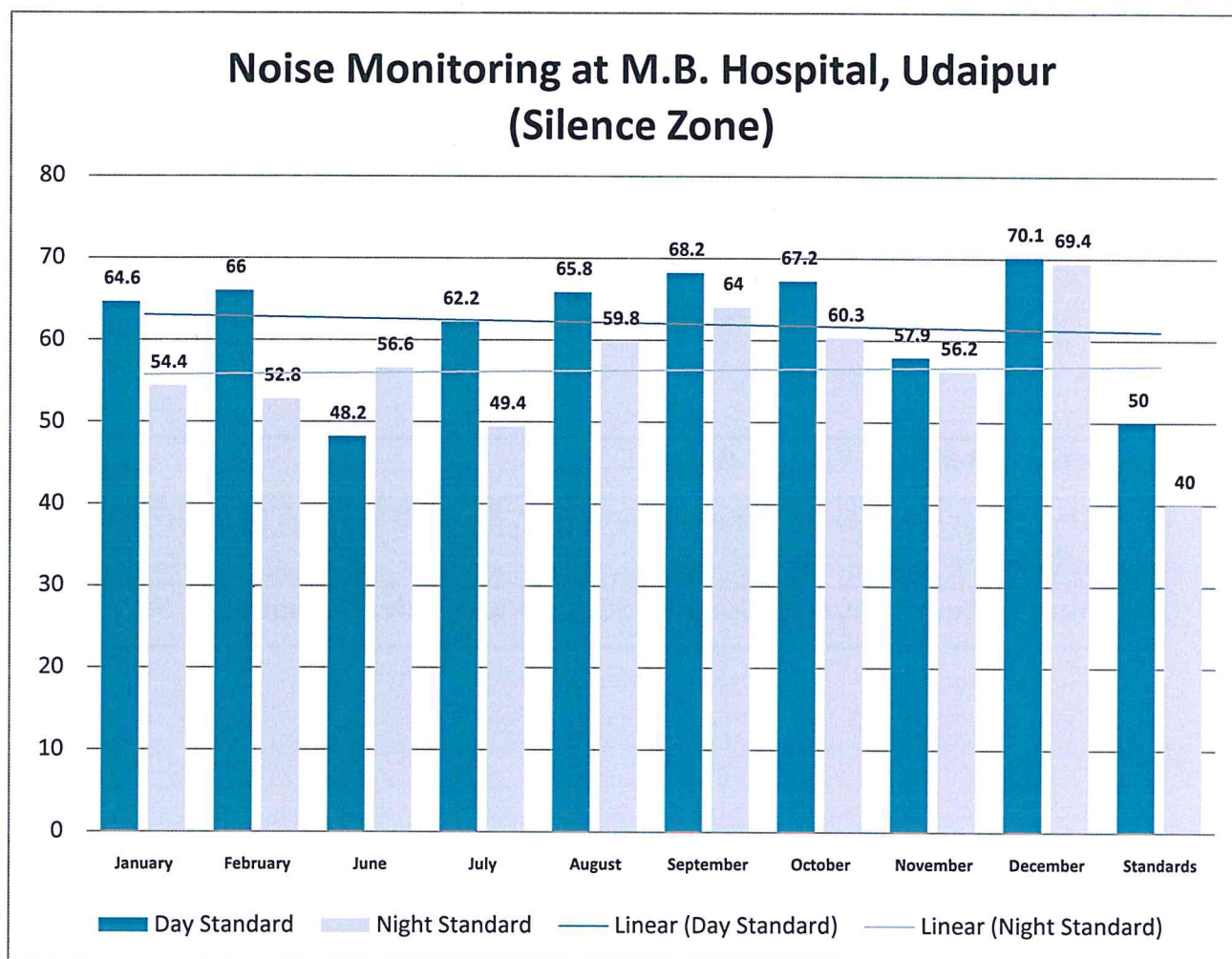
In residential zone sound level ranges from 59.8 to 79.6 dB(A) during day time and 52.4 to 71.3 dB(A) during night time. 100% of exceedance of prescribed standards was observed during day and night time from January to December 2020.

Commercial Zone



In commercial zone sound level ranges from 62.3 to 84.3 dB(A) during day time and 58.6 to 79.8 dB(A) during night time. 100% of exceedance of prescribed standards was observed during day and night time from January to December 2020, except in month of November during day time the result was found within prescribed standards i.e. 62.3 dB(A).

Silence Zone



In silence zone sound level ranges from 48.2 to 70.1dB(A) during day time and 49.4 to 69.4 dB(A) during night time. 100% of exceedance of prescribed standards was observed during day and night time from January to December 2020.



Regional Officer: Sh. Vinay Katta, SEE

**Report preparation & data compilation: Mrs. Payal Pancholi, SO (Lab Incharge),
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*Status of Noise Level in Udaipur City
(From January to June, 2021)*



Rajasthan State Pollution Control Board

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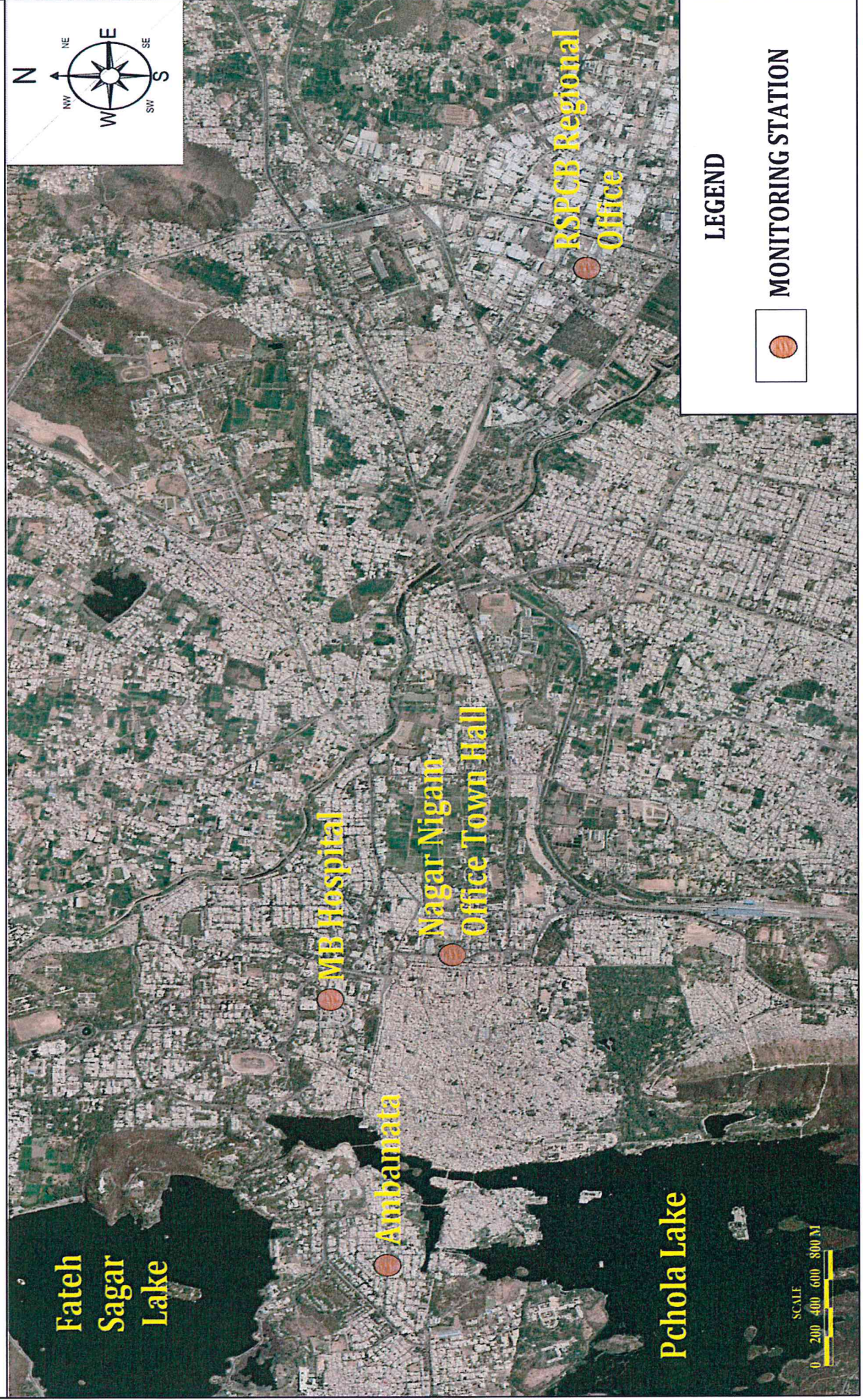
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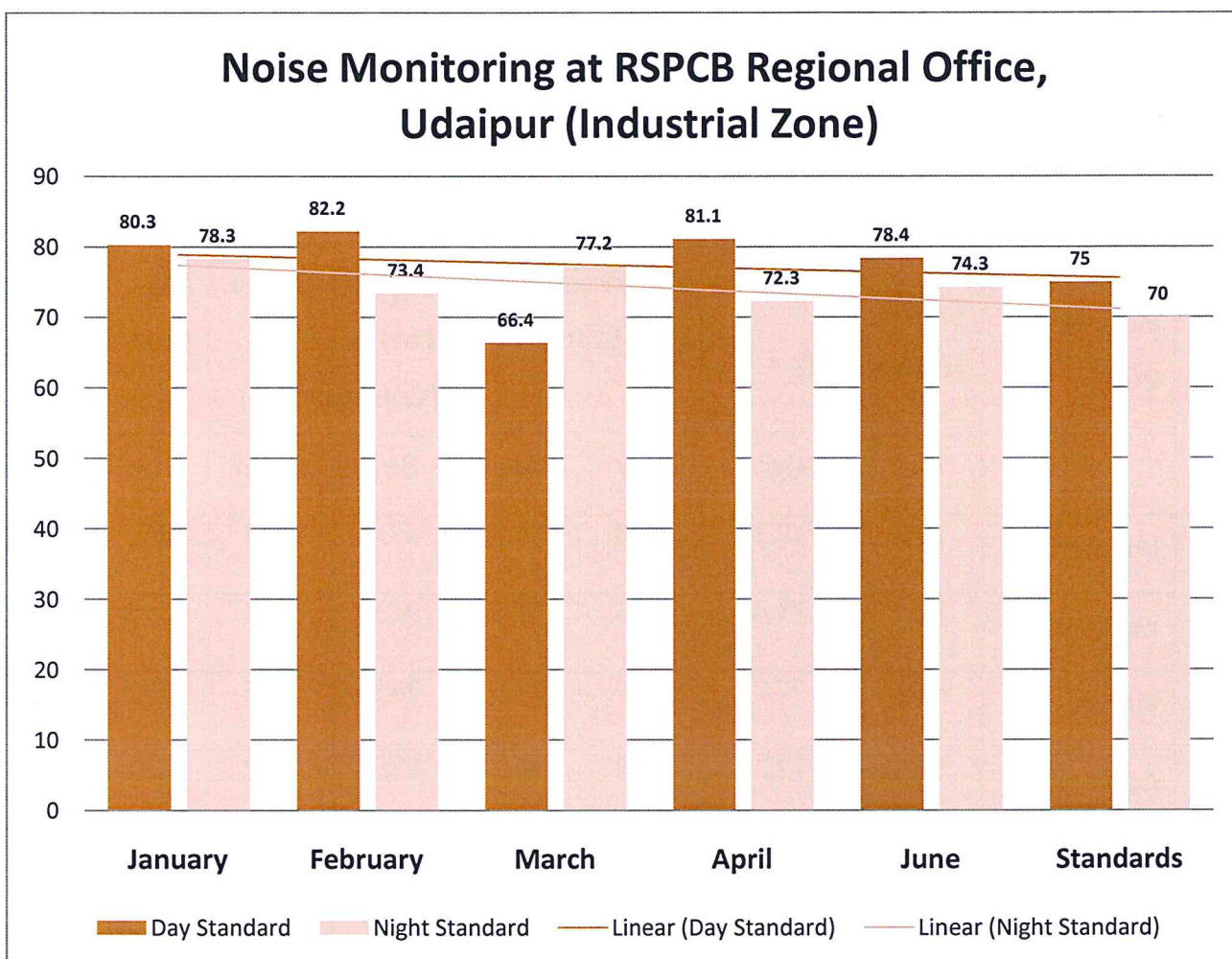
Monitoring Period 2021	Monitoring Locations							
	RSPCB, Regional Office (Industrial)		Ambamata (Residential)		At Nagar Nigam Office, Townhall (Commercial)		MB Hospital (Silence)	
	Day	Night	Day	Night	Day	Night	Day	Night
January	80.3	78.3	79.8	74.8	85.4	80.4	74.3	69.9
February	82.2	73.4	80.3	71.3	94.3	75.3	59.9	69.1
March	66.4	77.2	68.9	75.6	74.0	81.5	70.5	69.9
April	81.1	72.3	79.2	70.2	93.2	74.2	68.8	58.0
June	78.4	74.3	76.1	65.1	89.2	72.9	65.8	64
Standards	75.0	70.0	55.0	45.0	65.0	55.0	50.0	40.0

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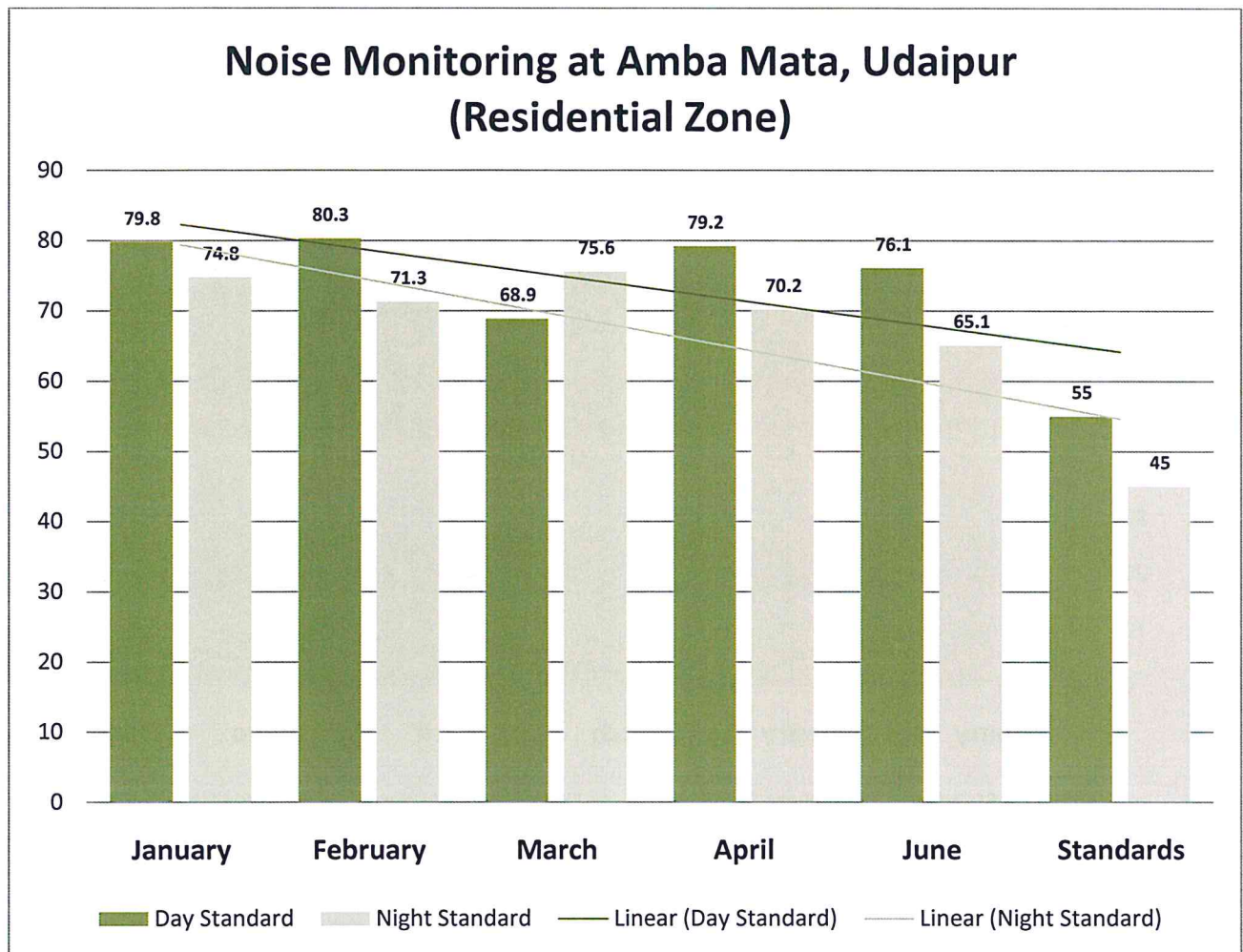
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Industrial Zone



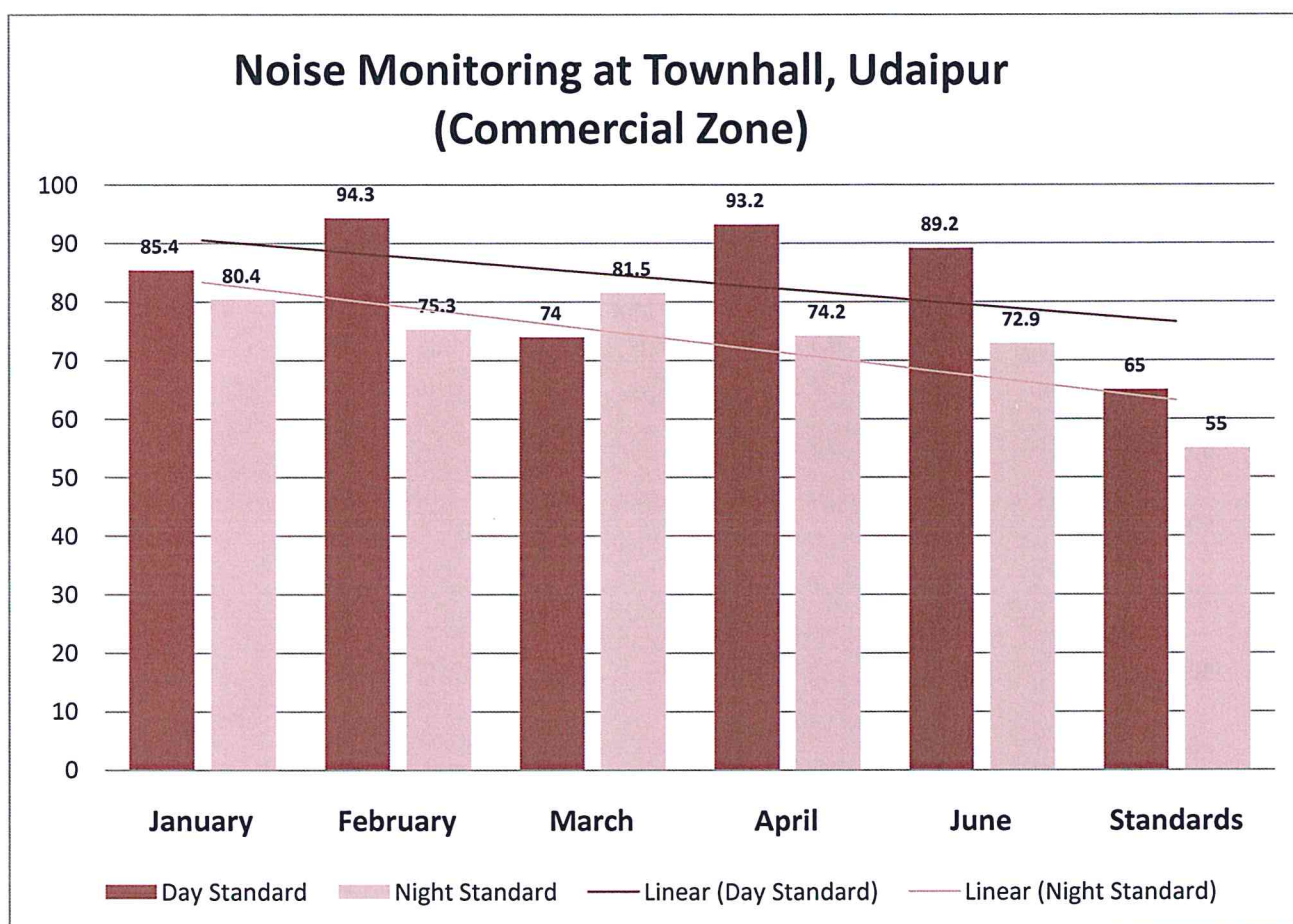
In industrial zone sound level ranges from 66.4 to 82.2 dB (A) during day time and 72.3 to 78.3 dB (A) during night time. All the results were found beyond the prescribed limit expect for the month of March which found within prescribed limit 66.4 dB (A) in day time.

Residential Zone



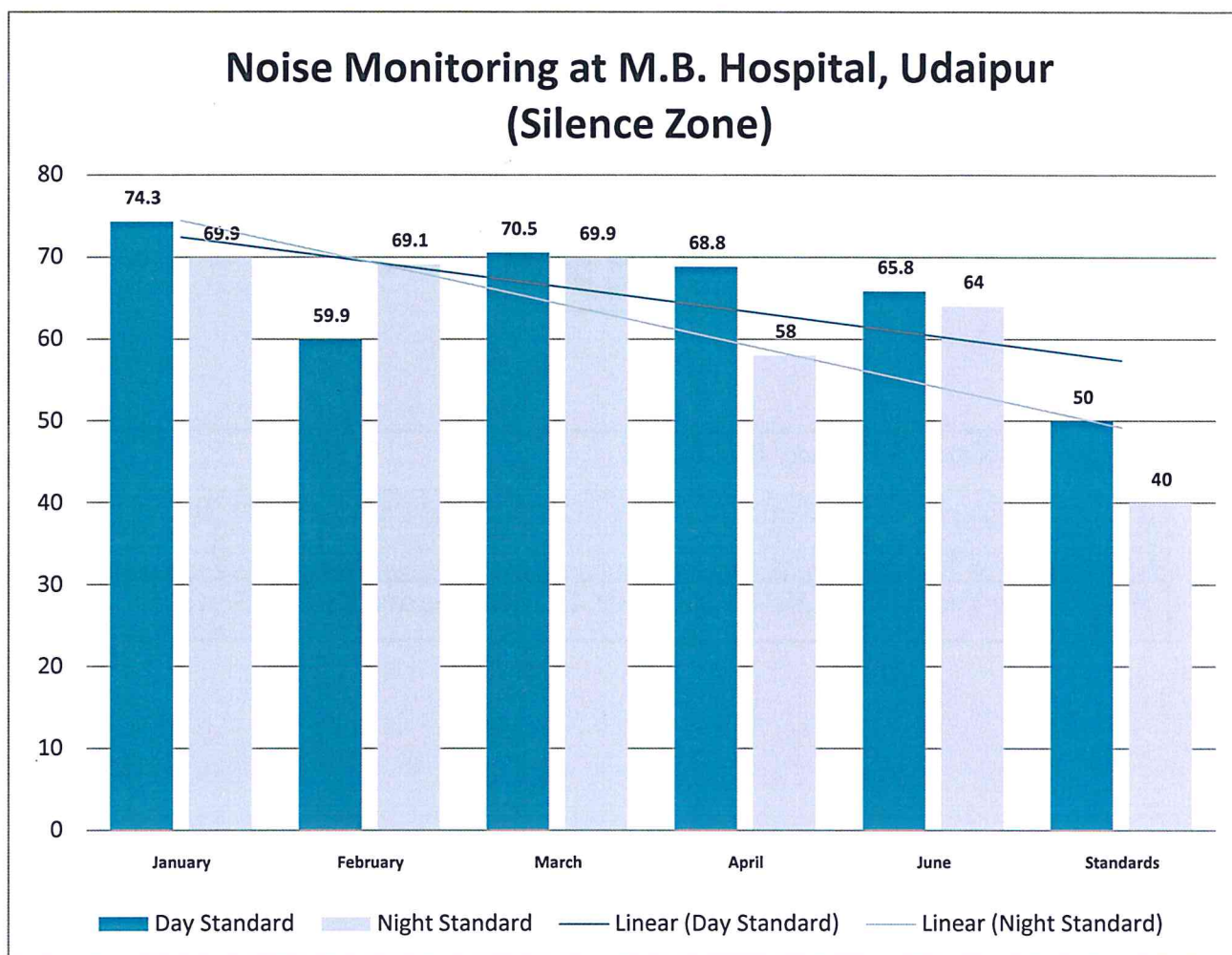
In residential zone sound level ranges from 68.9 to 80.3 dB(A) during day time and 65.1 to 75.6 dB(A) during night time. 100% of exceedance of prescribed standards was observed during day and night time from January to June 2021.

Commercial Zone



In commercial zone sound level ranges from 74.0 to 94.3 dB(A) during day time and 58.6 to 79.8 dB(A) during night time. 100% of exceedance of prescribed standards was observed during day and night time from January to June 2021.

Silence Zone



In silence zone sound level ranges from 48.2 to 70.1dB(A) during day time and 49.4 to 69.4 dB(A) during night time. 100% of exceedance of prescribed standards was observed during day and night time from January to June 2021.



Regional Officer: Sh. Vinay Katta, SEE

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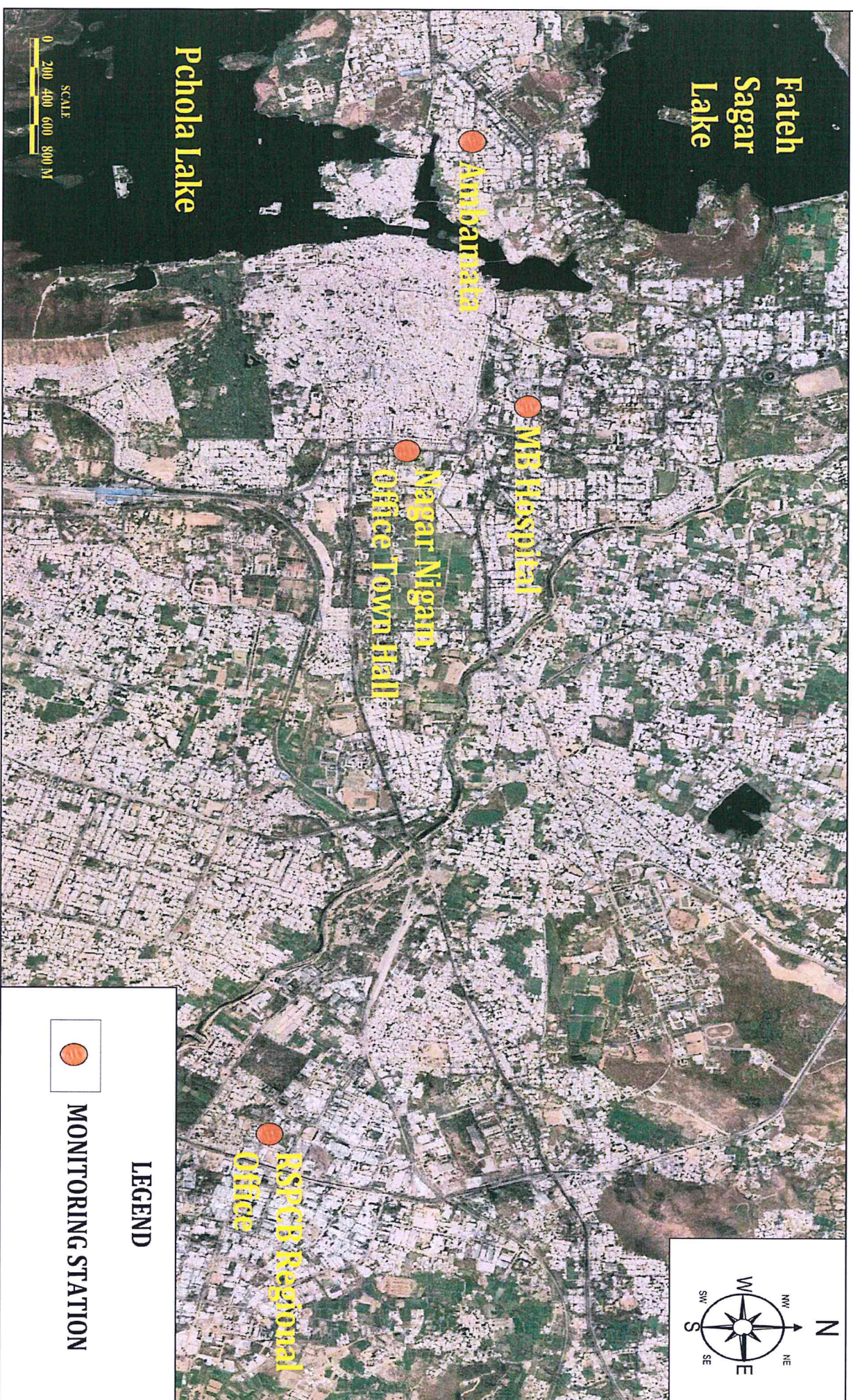
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	Day	Night	Day	Night	Day	Night	Day	Night
July	63.4	59.7	66.6	61.8	72.8	64.8	66.5	59.2
August	68.1	62.3	68.9	62.5	69.7	63.2	64.8	58.1
September	65.3	61.3	63.9	59.3	71.3	62.9	68.9	61.4
October	69.7	61.8	69.3	62.8	69.8	64.4	65.9	60.5
November	74.2	65.3	75.8	65.5	74.8	68.1	67.9	61.4
December	67.1	58.4	71.8	64.3	69.2	63.8	68.9	57.1
Standards	75.0	70.0	55.0	45.0	65.0	55.0	50.0	40.0

All values are in Leq. dB(A)

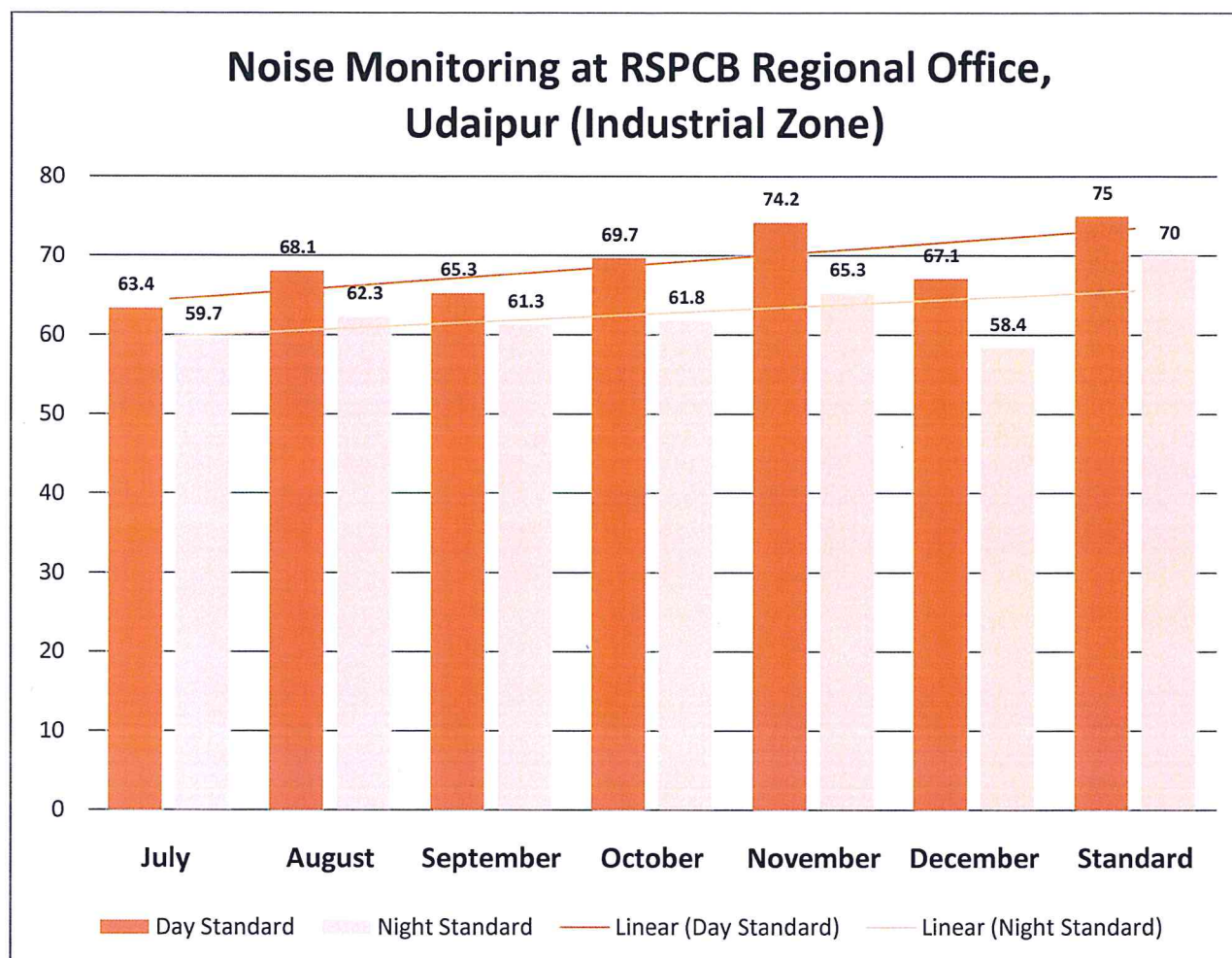
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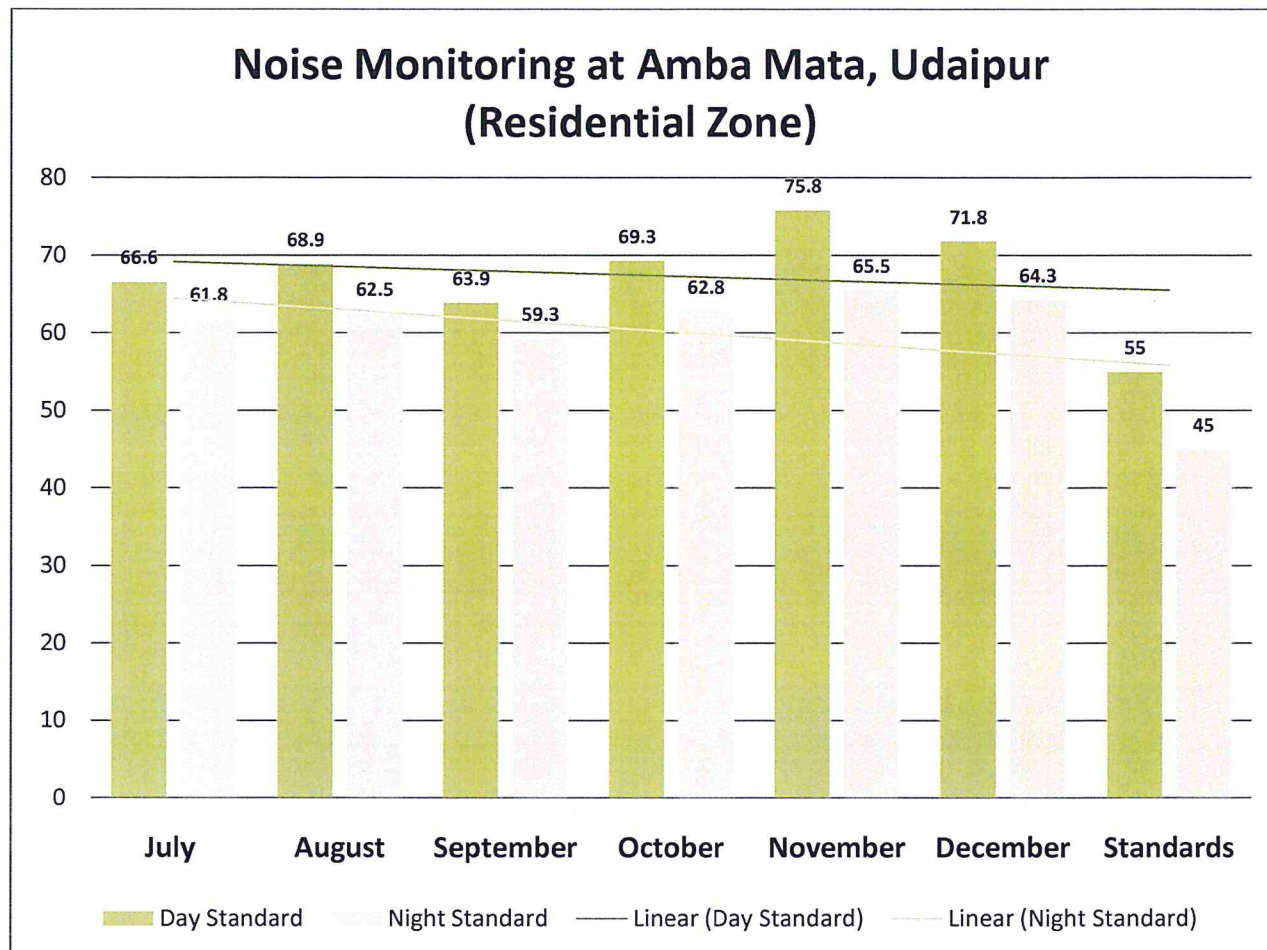
Zone wise data interpretation of noise level from July to December, 2021

Industrial Zone



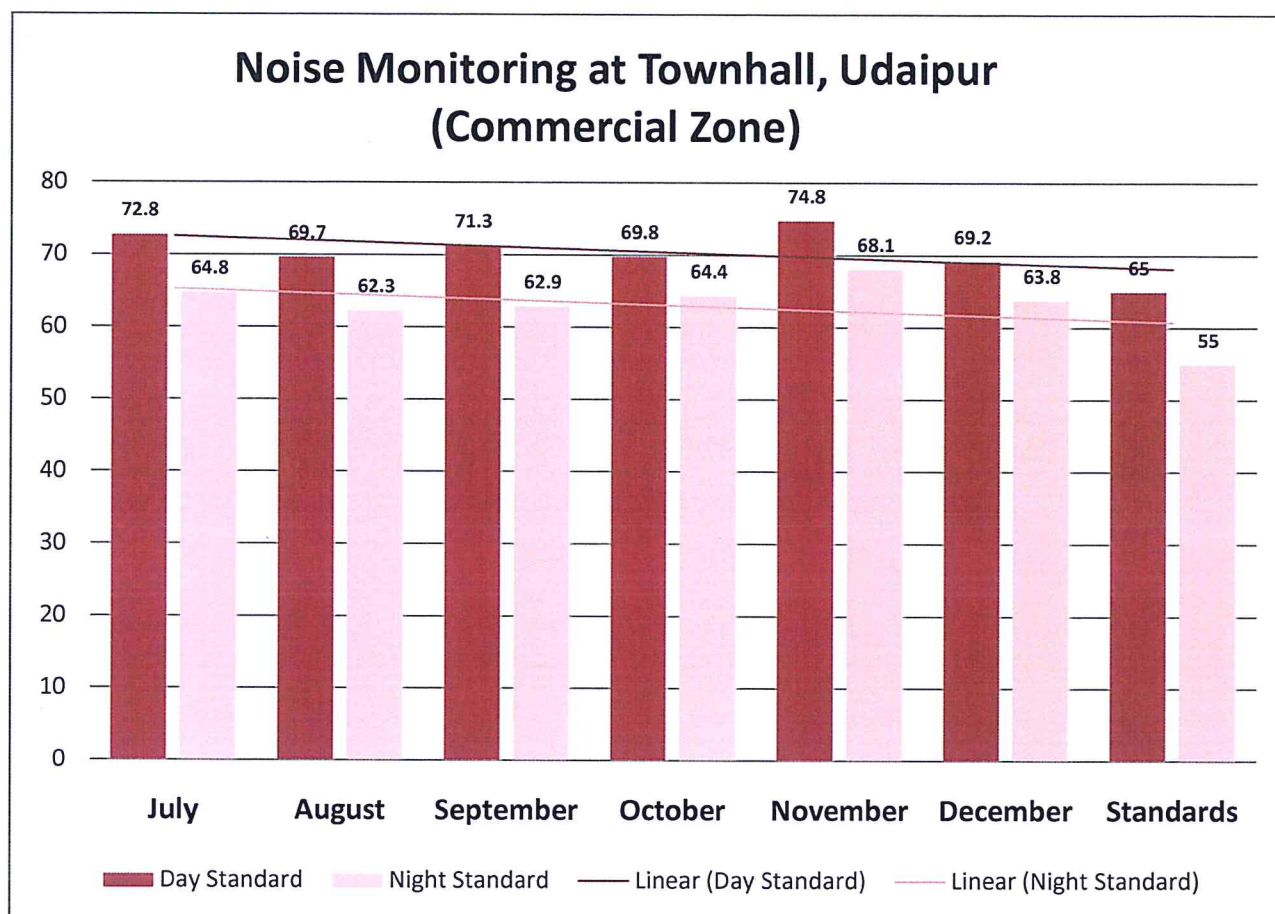
In industrial zone sound level ranges from 63.4 to 74.2 dB (A) during day time and 58.4 to 65.3 dB (A) during night time. All the results were found within the prescribed limit during day & night time from July to December 2021.

Residential Zone



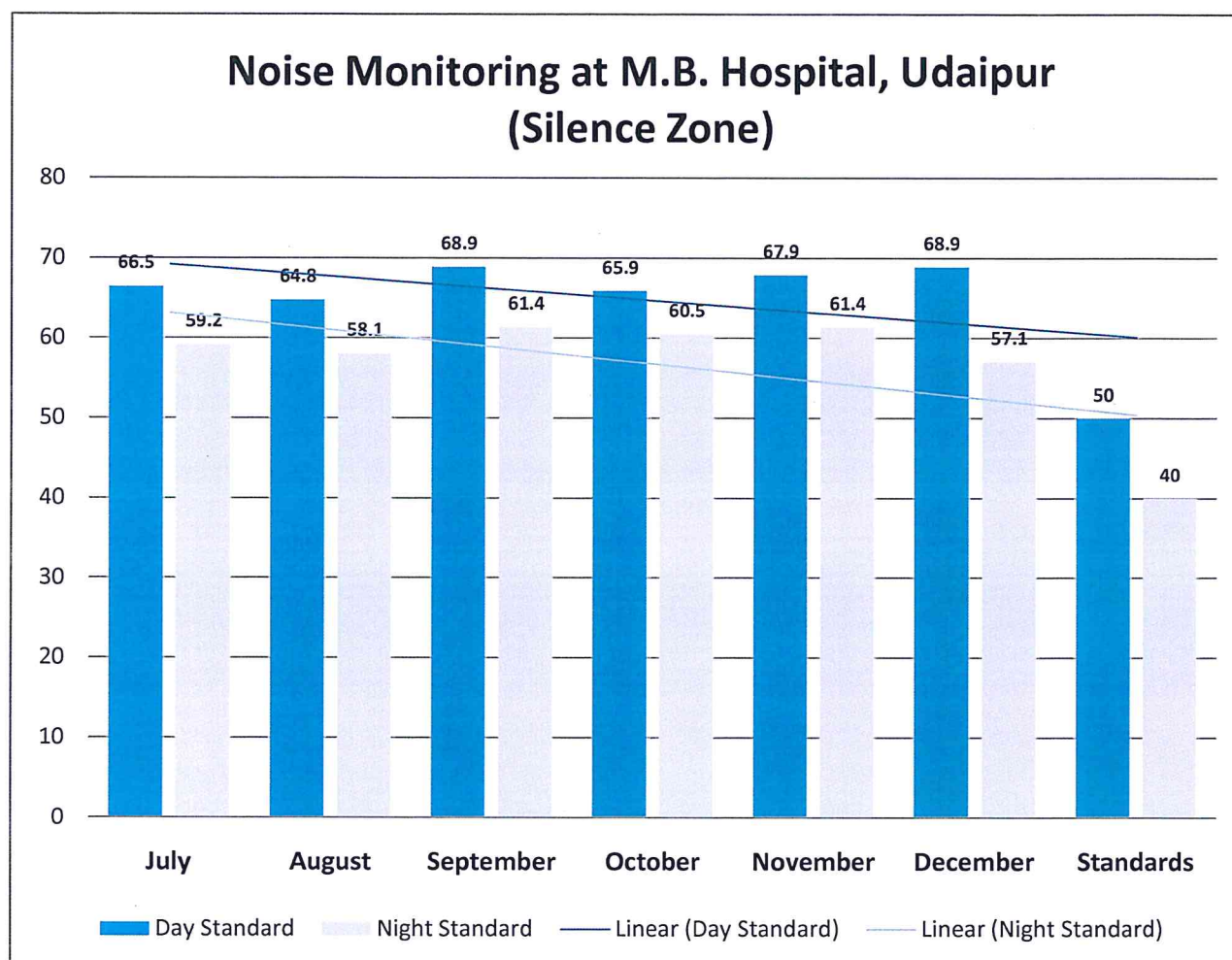
In residential zone sound level ranges from 63.9 to 75.8 dB(A) during day time and 59.3 to 65.5 dB(A) during night time. 100% of exceedance of prescribed standards was observed during day and night time from July to December 2021.

Commercial Zone



In commercial zone sound level ranges from 69.2 to 74.8 dB(A) during day time and 62.9 to 68.1 dB(A) during night time. 100% of exceedance of prescribed standards was observed during day and night time from July to December 2021.

Silence Zone



In silence zone sound level ranges from 64.8 to 68.9 dB(A) during day time and 57.1 to 61.4 dB(A) during night time. 100% of exceedance of prescribed standards was observed during day and night time from July to December 2021.



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