

Status of Noise Level
in
Jaipur City
(October to December, 2018)



RAJASTHAN STATE POLLUTION CONTROL
BOARD

PREFACE

Rajasthan State Pollution Control Board acknowledges the efforts of all the Board Officials associated with this work for monitoring the noise level at different locations in Jaipur city as per the provisions of Noise Pollution (Regulation & Control) Rules, 2000. It would not have been possible to compile this report on Status of Noise Level in Jaipur City from July to September, 2018 without their sincere support and efforts.

CONTRIBUTIONS

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Background:

In order to assess the impact of predominating Noise Level in Jaipur city, Noise Level Monitoring was conducted at 6 different locations in Jaipur City from October to December, 2018.

The Noise level monitoring was conducted day time (1100 hrs to 2200 hrs) and night time (2200 hrs onwards) for half hour interval at each location with sampling frequency of one second.

Monitoring Locations:

In order to maintain uniformity in monitoring, Residential, Commercial, and Silence zones 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 6 noise monitoring locations in Jaipur City.

Table 1

S. No.	Name of the monitoring locations in Jaipur City	Category of Area / Zone
1	Garden Behind Governor House, Civil Lines	Silence
2	SDMH (near OPD)	Silence
3	Nagar Nigam Office, Patel Marg, Mansarovar	Residential
4	Science Park, Shastri Nagar	Residential
5	Gali No. 3, Raja Park	Commercial
6	Near Kotwali Thana, Chhoti Choupar	Commercial

Monitoring Results:

The comparative statement of noise level monitoring conducted in Jaipur City is as under:

Table 2

Monitoring Period in 2018	Monitoring Locations											
	Garden Behind Governor House, Civil Lines		SDMH (near OPD)		Nagar Nigam Office, Patel Marg, Mansarovar		Science Park, Shastri Nagar		Gali No. 3, Raja Park		Near Kotwali Thana, Chhoti Choupar	
	<i>Silence Zone</i>				<i>Residential Zone</i>				<i>Commercial Zone</i>			
	<i>Day Time</i>	<i>Night Time</i>	<i>Day Time</i>	<i>Night Time</i>	<i>Day Time</i>	<i>Night Time</i>	<i>Day Time</i>	<i>Night Time</i>	<i>Day Time</i>	<i>Night Time</i>	<i>Day Time</i>	<i>Night Time</i>
October	58.8	47.8	65.3	66.7	54.9	52.8	79.8	64.5	67.7	68.6	77.1	71.1
November	59.8	49.7	63.8	59.7	58.4	56.4	65.4	51.2	68.5	69.8	74.1	68.3
December	60.9	54.4	72.3	64.3	55.9	48.9	64.9	50.8	70.3	78.3	75.6	72.3
STANDARDS	50.0	40.0	50.0	40.0	55.0	45.0	55.0	45.0	65.0	55.0	65.0	55.0

Interpretation:

Comparison of Noise level of all monitoring locations from October to December, 2018, is at Figure 1 & 2; Comparison of Noise level of all monitoring locations from Day time to Night time is at Figure 3 to Figure 5.

Fig. 1 Noise Level during Day time from October to December in Jaipur City

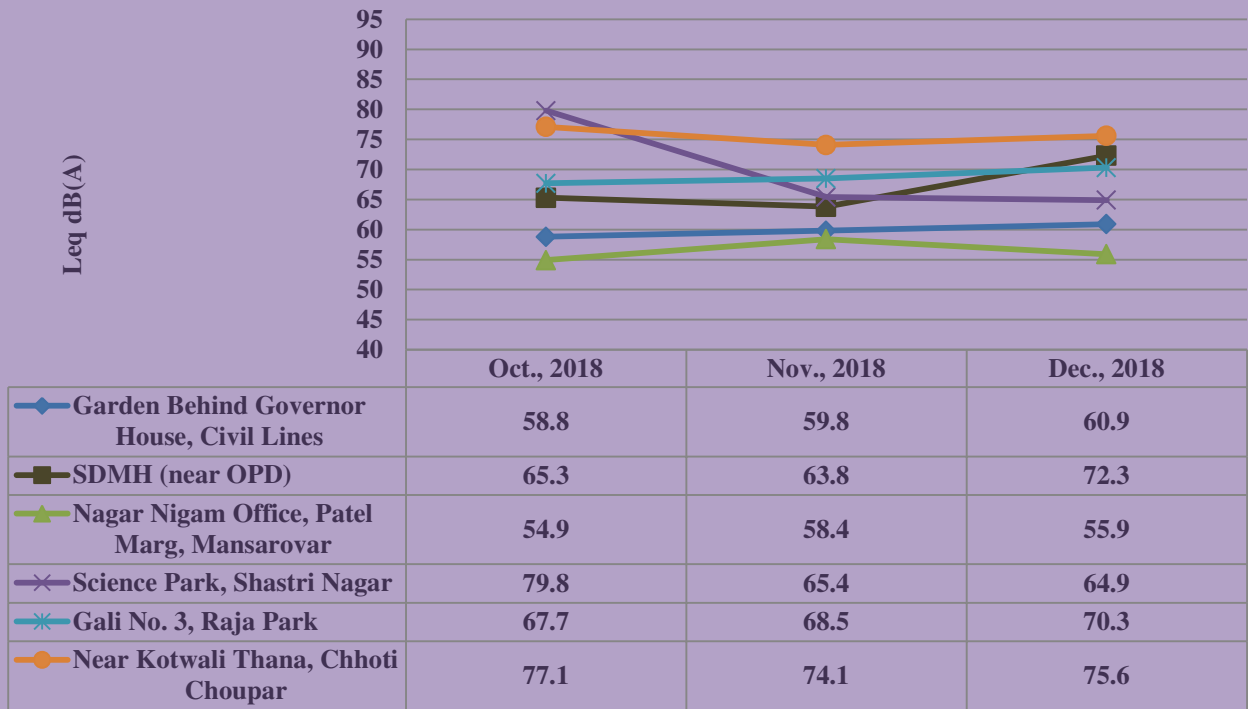


Fig. 2 Noise Level during Day time from October to December in Jaipur City

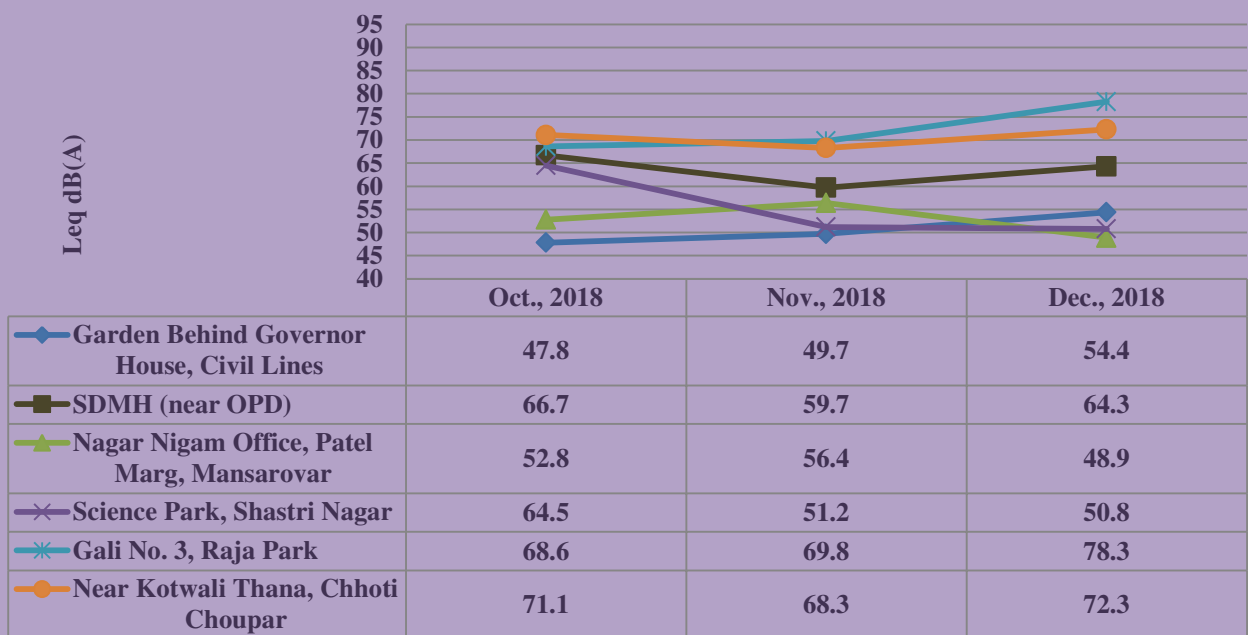


Fig. 3: Noise Level in Jaipur City during Day & Night time in October, 2018

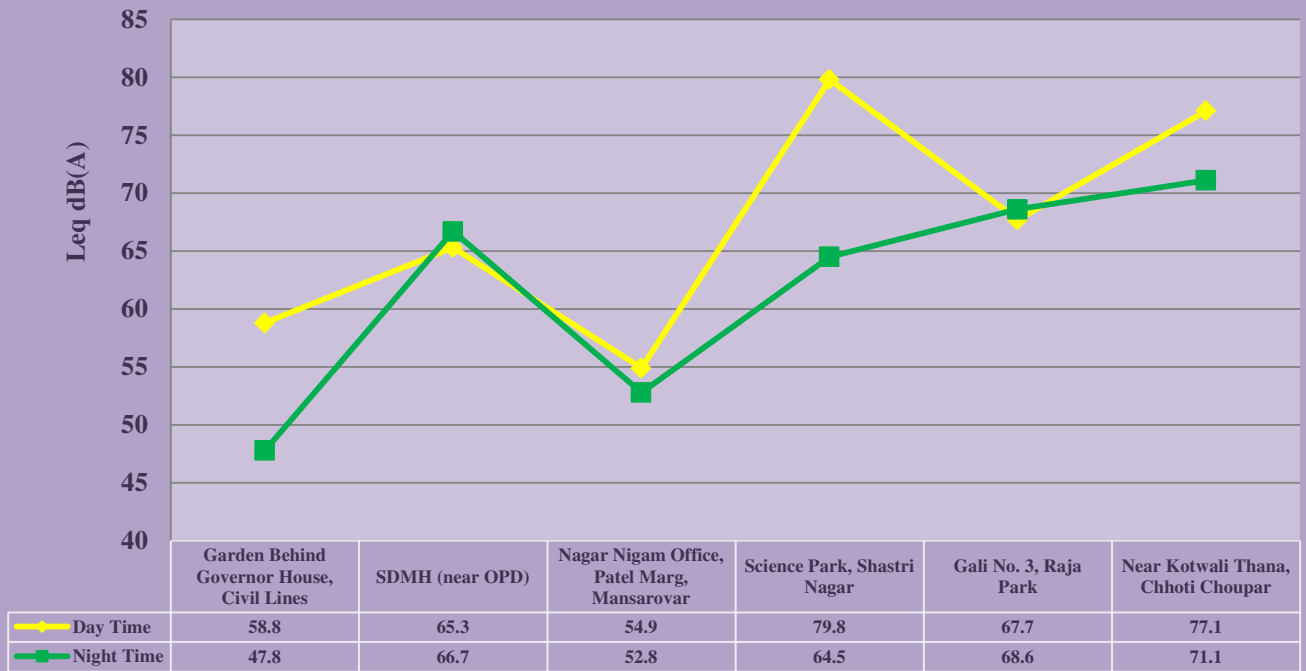
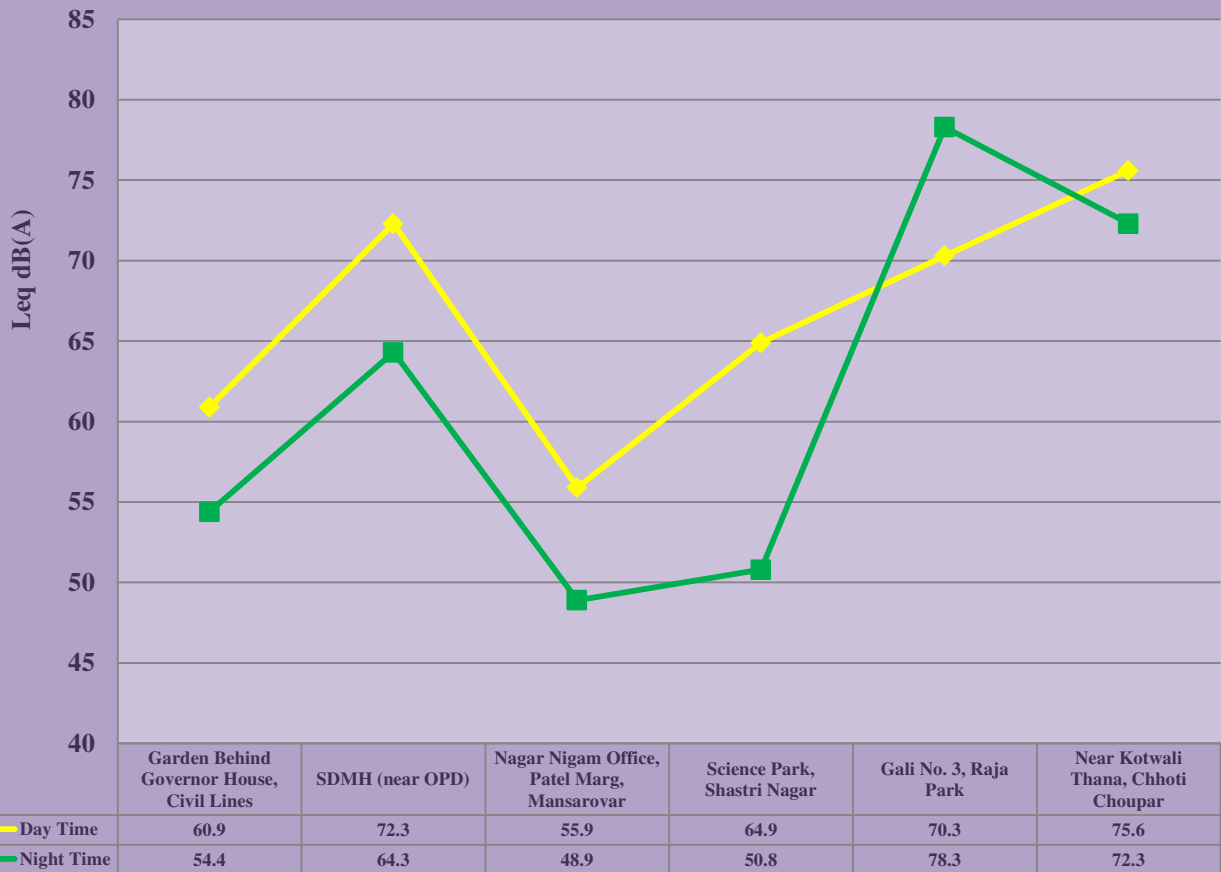


Fig. 4: Noise Level in Jaipur City during Day & Night time in November, 2018



Fig. 5: Noise Level in Jaipur City during Day & Night time in December, 2018



Conclusion:

During the monitoring period, the concentration of Leq dB(A) has exceeded the prescribed standards both during day and night time except at Mansarovar in October, 2018 during day time.

On comparison of data between day and night time, it has been observed that the noise level has decreased at all monitoring locations from day to night time except at SDM H near OPD in October, 2018 and Gali No. 3, Raja Park from October to December.

It has also been observed that an increasing trend in data during the entire monitoring period i.e. from October to December, 2018 has been observed at



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Garden Behind Governor House, Civil Lines and Gali No. 3, Raja Park (both day and night time); whereas decreasing trend in Noise Level has been observed at Science Park, Shastri Nagar from October to December, 2018.

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