

**Status of Noise Level  
in  
Jaipur City  
(April to June, 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 April to June, 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 5 different locations in Jaipur City from April to June, 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 5 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	Nagar Nigam Office, Patel Marg, Mansarovar	Residential
3	Science Park, Shastri Nagar	Residential
4	Gali No. 3, Raja Park	Commercial
5	Near Kotwali Thana, Chhoti Choupar	Commercial

### Monitoring Results:

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

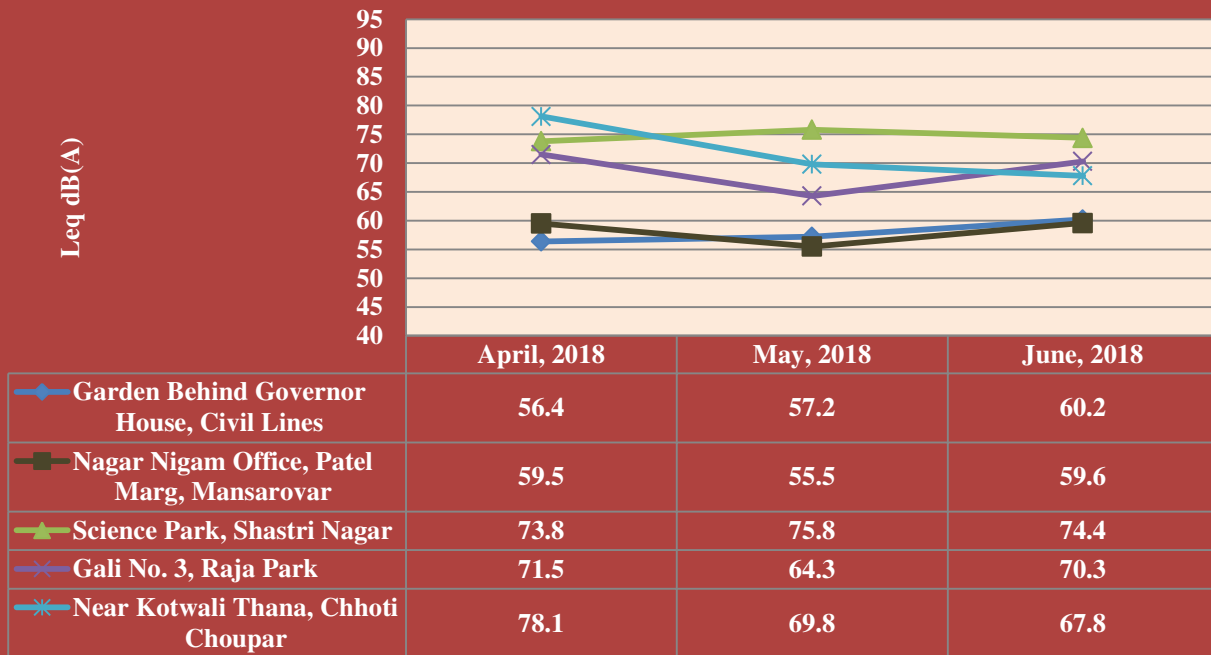
**Table 2**

<b>Monitoring Period</b>	<b>Monitoring Locations</b>									
	Garden Behind Governor House, Civil Lines		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>
<b>April, 2018</b>	56.4	57.8	59.5	58.9	73.8	58.2	71.5	69.9	78.1	74.4
<b>May, 2018</b>	57.2	58.9	55.5	53.6	75.8	57.8	64.3	70.2	69.8	72.3
<b>June, 2018</b>	60.2	56.7	59.6	53.7	74.4	57.3	70.3	68.6	67.8	70.3
<b>STANDARDS</b>	<b>50.0</b>	<b>40.0</b>	<b>55.0</b>	<b>45.0</b>	<b>55.0</b>	<b>45.0</b>	<b>65.0</b>	<b>55.0</b>	<b>65.0</b>	<b>55.0</b>

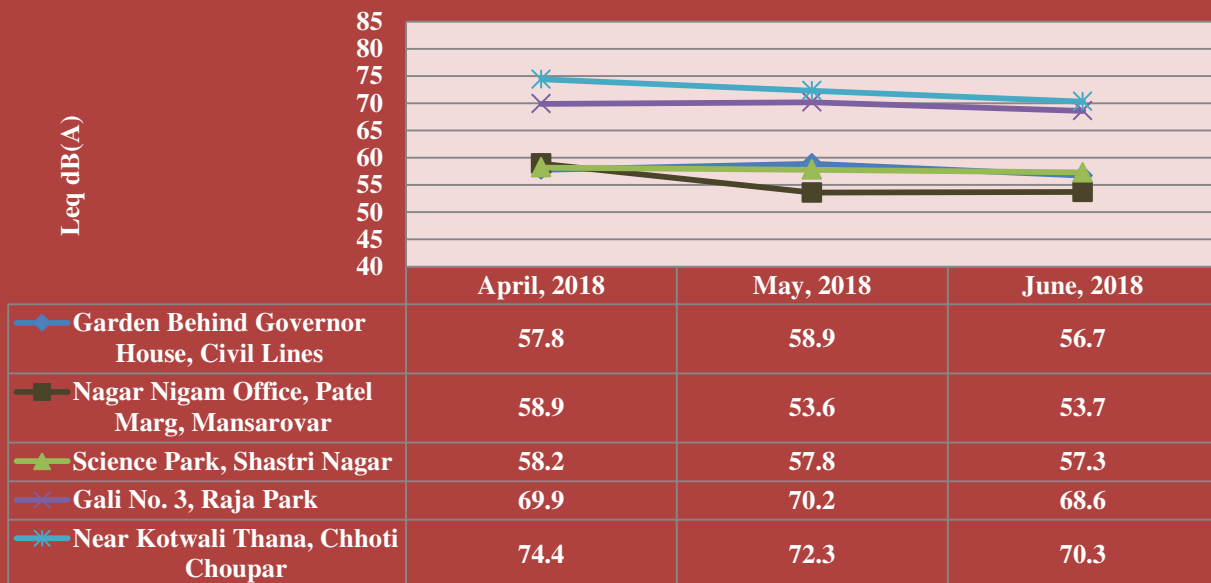
### Interpretation:

Comparison of Noise level of all monitoring locations from April to June, 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**.

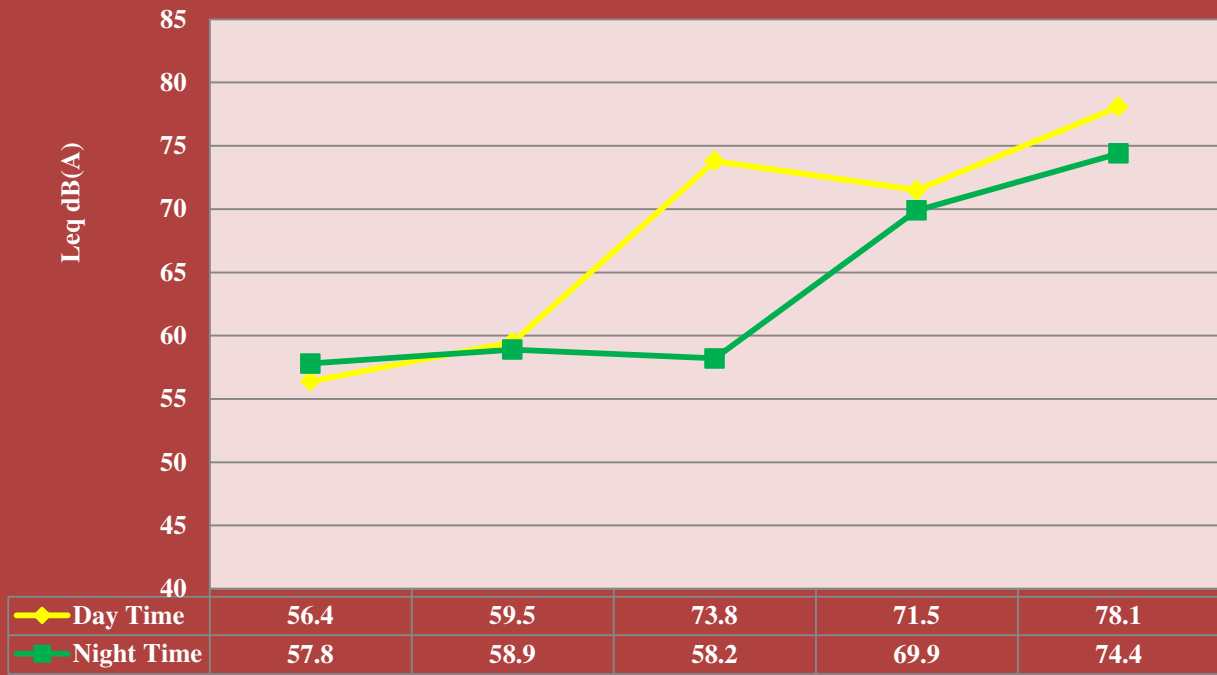
## Fig. 1 Noise Level during Day time from April to June in Jaipur City



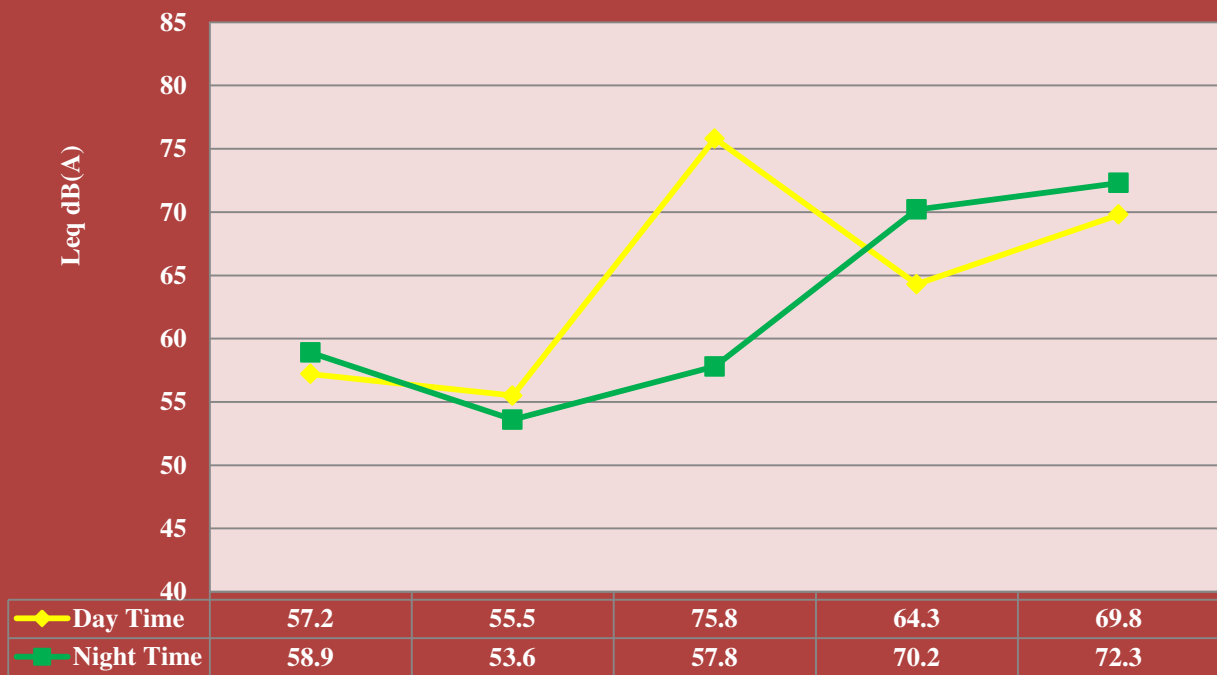
## Fig. 2: Noise Level during Night time from April to June in Jaipur City



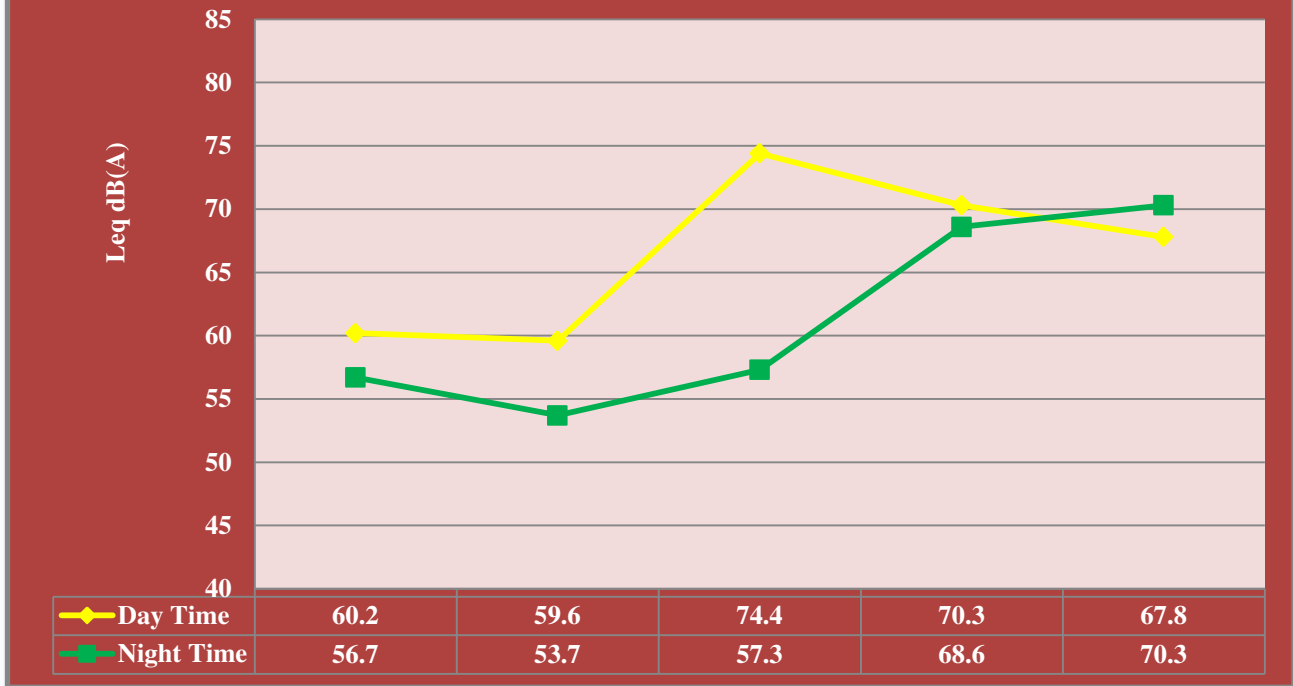
**Fig. 3: Noise Level in Jaipur City during Day & Night time in April, 2018**



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



**Fig. 5: Noise Level in Jaipur City during Day & Night time in June, 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 Gali No. 3, Raja Park during day time in May, 2018.

It has also been observed that there is no specific trend in data during the entire monitoring period i.e. from April to June, 2018 at Nagar Nigam Office, Patel Marg, Mansarovar (both day and night time), Gali No. 3, Raja Park (both day and night time), Garden Behind Governor House, Civil Lines (night time) and Science Park, Shastri Nagar (day time); while an increasing trend has been observed at Garden Behind Governor House, Civil Lines (day time). On the other hand a decreasing





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trend has been observed at Near Kotwali Thana, Chhoti Choupar (both day and night time), Science Park, Shastri Nagar (night time).

When the trend of noise level observed during day is compared to the noise level observed during night time, it is found that the concentration of noise level decreases from day time to night time at all locations except at Garden Behind Governor House, Civil Lines (April, May, 2018), Gali No. 3, Raja Park (May, 2018) and Near Kotwali Thana, Chhoti Choupar (May, June, 2018).

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