



**Assam Pollution Control Board  
Bamunimaidam, Guwahati-21**

**Ambient Noise Level [Leq dB(A)] during Deepawali Festival-2025 of Guwahati City**

Assam Pollution Control Board (APCB) has been carrying out Ambient Noise Level monitoring at various locations in Guwahati City as well as other selected towns of Assam as per the monitoring protocol provided by the Central Pollution Control Board, Delhi since the last many years to assess the impact of firecrackers bursting on Ambient Air quality and Ambient Noise levels. This year, Ambient Noise Level monitoring was carried out from 6.00PM to 12.00AM at three(3) different locations in Guwahati City viz.

- (1) Rehabari (Residential area)
- (2) Ganeshguri (Commercial area)
- (3) Panbazar (Silence area)

The data obtained through this monitoring before Deepawali and during Deepawali day – 2025 is presented below:

Location: GANESHGURI (Commercial).	Pre Deepawali Day 13.10.2025	During Deepawali Day 20.10.2025	During Deepawali Day 21.10.2025
Time duration	Leq dB(A)	Leq dB(A)	Leq dB(A)
18:00 to 19:00 Hr	64.6	69.7	59.2
19:00 to 20:00 Hr	59.4	61.5	61.3
20:00 to 21:00 Hr	56.2	63.2	64.7
21:00 to 22:00 Hr	54.8	63.9	64.1
22:00 to 23:00 Hr	53.5	62.6	62.6
23:00 to 24:00 Hr	52.4	59.2	62.5
<b>Average Leq dB(A)</b>	<b>57</b>	<b>63</b>	<b>62</b>

Location: REHABARI (Residential).	Pre Deepawali Day 13.10.2025	During Deepawali Day 20.10.2025	During Deepawali Day 21.10.2025
Time duration	Leq dB(A)	Leq dB(A)	Leq dB(A)
18:00 to 19:00 Hr	73.8	66.8	65.8
19:00 to 20:00 Hr	65.0	69.0	72.3
20:00 to 21:00 Hr	57.9	69.8	74.2
21:00 to 22:00 Hr	52.4	67.7	70.5
22:00 to 23:00 Hr	49.7	65.2	64.8
23:00 to 24:00 Hr	46.4	58.6	60.3
<b>Average Leq dB(A)</b>	<b>58</b>	<b>66</b>	<b>68</b>

<b>Noise (Ambient Standards) in <math>L_{eq}</math> dB (A)</b>			
<b>During day time (between 6.00 AM &amp; 10PM)</b>		<b>During night time (between 10.00 PM &amp; 6.00 AM)</b>	
Industrial Zone	<b>75</b>	Industrial Zone	<b>70</b>
Commercial Zone	<b>65</b>	Commercial Zone	<b>55</b>
Residential Zone	<b>55</b>	Residential Zone	<b>45</b>
Silence Zone	<b>50</b>	Silence Zone	<b>40</b>

*AS/um*

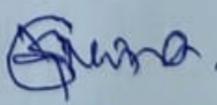
Location: PANBAZAR (Silence).	Pre Deepawali Day 13.10.2025	During Deepawali Day 20.10.2025	During Deepawali Day 21.10.2025
Time duration	Leq dB(A)	Leq dB(A)	Leq dB(A)
18:00 to 19:00 Hr	65.3	71.6	71.7
19:00 to 20:00 Hr	63.3	83.1	72.9
20:00 to 21:00 Hr	62.8	74.7	80.4
21:00 to 22:00 Hr	59.1	83.7	72.1
22:00 to 23:00 Hr	57.3	77.5	82.8
23:00 to 24:00 Hr	50.7	67.2	62.0
<b>Avearge Leq dB(A)</b>	<b>60</b>	<b>76</b>	<b>74</b>

Noise (Ambient Standards) in $L_{eq}$ dB (A)			
During day time (between 6.00 AM & 10PM)		During night time (between 10.00 PM & 6.00 AM)	
Industrial Zone	75	Industrial Zone	70
Commercial Zone	65	Commercial Zone	55
Residential Zone	55	Residential Zone	45
Silence Zone	50	Silence Zone	40

**Comparison of Average Ambient Noise Level (Leq dB(A)) of 2024 and 2025 of Guwahati City during Deepawali Festival**

Location	Before Deepawali		During Deepawali			
	2024	2025	2024		2025	
	24.10.2024	13.10.2025	31.10.2024	01.11.2024	20.10.2025	21.10.2025
GANESHGURI (Commercial).	66	57↓	72	71	63↓	62↓
REHABARI Residential).	61	58↓	72	68	66↓	68
PANBAZAR (Silence).	59	60↑	78	73	76↓	74↑

From the results, it is observed that this year, before Deepawali (i.e. on 13.10.2025) the Ambient Noise Level of Ganeshguri & Rehabari were lower compared to last year (i.e. 24.10.2024) except Panbazar. During Deepawali days (i.e. on 20.10.2025 & 21.10.2025), the Ambient Noise Levels of Rehabari and Ganeshguri were observed to be lower compared to 2024 (i.e. 30.10.2024 & 01.11.2024) except Panbazar.

  
**Member-Secretary**

**Member Secretary**  
**Assam Pollution Control Board**  
**Bamunimaidam, Guwahati-21**