Assam Pollution Control Board

Bamunimaidam, Guwahati-21

Ambient Noise Level (in dB[A] during Deepawali Festival-2026 of Guwahati City

Assam Pollution Control Board (APCB) has been carrying out ambient noise levels monitoring at various locations in Guwahati city as well as in 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 at three (3) different places 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-2026 is presented below:

Location : Rehabari (Residential)				
Sl. no.	**Time Duration**	**Before Deepawali (01.11.2026)**	**Deepawali Day (08.11.2026)**	**Deepawali Day (09.11.2026)**
		Leq dB(A)	**Leq dB(A)**	**Leq dB(A)**
1	**18:00 Hrs to 19:00 Hrs**	**68.2**	**67.5**	**65.5**
2	19:00 Hrs to 20:00 Hrs	62.4	70.3	70.8
3	20:00 Hrs to 21:00 Hrs	61.0	73.0	73.6
4	21:00 Hrs to 22:00 Hrs	57.4	76.2	77.3
5	22:00 Hrs to 23:00 Hrs	54.8	80.7	80.8
6	23:00 Hrs to 24:00 Hrs	53.3	78.1	76.3
Average L equivalent dB(A) (Between 18:00 to 24:00 hrs)		**59.5**	**74.3**	**74.1**
Location : Ganeshguri (Commercial)				
Sl. no.	**Time Duration**	**Before Deepawali (01.11.2026)**	**Deepawali Day (08.11.2026)**	**Deepawali Day (09.11.2026)**
		Leq dB(A)	**Leq dB(A)**	**Leq dB(A)**
1	18:00 Hrs to 19:00 Hrs	70.7	69.5	73.8
2	19:00 Hrs to 20:00 Hrs	71.9	68.4	66.4
3	20:00 Hrs to 21:00 Hrs	63.5	68.5	67.2
4	21:00 Hrs to 22:00 Hrs	62.7	69.1	66.5
5	22:00 Hrs to 23:00 Hrs	55.1	69.1	69.8
6	23:00 Hrs to 24:00 Hrs	53.8	66.1	65.3
Average L equivalent dB(A) (Between 18:00 to 24:00 hrs)		**62.9**	**68.4**	**68.1**
Location : Panbazar (Silence)				
Sl. no.	**Time Duration**	**Before Deepawali (01.11.2026)**	**Deepawali Day (08.11.2026)**	**Deepawali Day (09.11.2026)**
		Leq dB(A)	**Leq dB(A)**	**Leq dB(A)**
1	18:00 Hrs to 19:00 Hrs	57.8	87.0	66.7
2	19:00 Hrs to 20:00 Hrs	57.4	81.5	68.7
3	20:00 Hrs to 21:00 Hrs	61.2	80.5	71.5
4	21:00 Hrs to 22:00 Hrs	54.5	81.3	82.0
5	22:00 Hrs to 23:00 Hrs	53.5	84.6	85.3
6	23:00 Hrs to 24:00 Hrs	52.5	75.0	72.1
Average L equivalent dB(A) (Between 18:00 to 24:00 hrs)		**56.2**	**81.7**	**74.4**

Ambient Noise Standards in 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 Ambient Noise Level (in dB(A)] of 2025 and 2026 of Guwahati City during Deepawali Festival

Location	**Before Deepawali**		**During Deepawali**			
	13.10.2025	**01.11.2026**	**20.10.2025**	**08-11-2026**	**21.10.2025**	**09-11-2026**
	Average Leq dB(A)		**Average Leq dB(A)**		**Average Leq dB(A)**	
Rehabari	58.0	**59.5 ↑**	66.0	**74.3↑**	68.0	**74.1↑**
Ganeshguri	57.0	**62.9 ↑**	63.0	**68.4↑**	62.0	**68.1↑**
Panbazar	60.0	56.2↓	76.0	**81.7↑**	73.5	**74.4 ↑**

From the results, it is observed that this year, before Deepawali (i.e. on 01-11-2026) the Ambient Noise Level of all the two(2) locations of Guwahati City were higher compared to last year (i.e. 13-10-2025). But during Deepawali day (i.e. 08-11-2026& 09-11-2026), the Ambient Noise Level of Rehabari,Ganeshguri and Panabazaris observed to be higher compared to 2025 (i.e. 20-10-2025 & 21-10-2025). However, Ambient Noise Levels of all these locations are observed to be above the prescribed standard for Residential, Commercial and Silence areas.

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