

Pollution (Regulation and Control) Rules, 2000 were notified by MoEF & CC under the Environment (Protection) Act 1986 and amended in January 2010. Database on noise level is required for policy formulation, setting standards and ensuring compliance of the existing rules.

### Existing Network:

Central Pollution Control Board in association with State Pollution Control Board has established National Ambient Noise Monitoring Network covering 07 metropolitan cities and installed 35 no. of Noise Monitoring System in Mumbai, Delhi, Kolkata, Chennai, Bengaluru, Lucknow and Hyderabad (five stations in each). The Strengthening of the Network has been carried out by adding 35 more stations in the same 07 metropolitan during 2014-15. Thus extending the monitoring network to 70 stations.

**TABLE 5.13 : CATEGORY WISE DETAILS OF EXISTING NOISE MONITORING**

Area/Category/ Zone	No. of Stations	Cities covered
Silence	17	Chennai (2), Hyderabad (2), Kolkata (2), Delhi (4), Mumbai (2), Bengaluru (2) & Lucknow (3)
Residential	16	Bengaluru (3), Chennai (3), Delhi (2), Hyderabad (2), Kolkata (3), Mumbai (1), & Lucknow(2)
Commercial	25	Bengaluru (3), Chennai (4), Hyderabad (4), Kolkata (3), Delhi (4), Mumbai (4) & Lucknow(3)
Industrial	12	Bengaluru (2), Chennai (1), Hyderabad (2), Kolkata (2), Mumbai (3) & Lucknow (2)
<b>Total</b>	<b>70</b>	

*Note: Figures in brackets indicate the no. of station*

### Frequency of Monitoring:

Ambient Noise Monitoring is carried out in Real Time mode continuously and data captured at central receiving station at CPCB, Delhi is made available on public domain as well as CPCB's website.

### Action Taken:

1. All the concerned SPCBs and States are provided data and requested to take necessary remedial measures to control Noise Pollution as per Noise Rules, 2000.
2. Press Release on Noise Pollution Level is issued every year on the occasion of Deepawali (available on website of CPCB).
3. Data is made available on public demand as well as website of CPCB.

Noise data generated during 2011-2014 in 07 Metropolitan Cities is given in Table 5.14:

**TABLE 5.14 : NOISE LEVELS OF 07 METROPOLITAN CITIES DURING 2011-2014**

S. No.	Stations Name with Zone		Limit in dB(A) Leq		2011		2012		2013		2014	
	City	Location	Day 06 AM to 10PM	Night 10 PM to 06 AM	Day Leq. dB(A)	Night Leq. dB(A)	Day Leq. dB(A)	Night Leq. dB(A)	Day Leq. dB(A)	Night Leq. dB(A)	Day Leq. dB(A)	Night Leq. dB(A)
1	Bengaluru	Bengaluru, Parisar Bhawan (C)	65	55	66	58	65	57	65	57	65	57
2		Bengaluru, Peeniya (I)	75	70	56	53	56	49	58	53	58	55
3		Bengaluru, Nisarga Bhawan (R)	55	45	56	47	56	47	56	48	56	49
4		Bengaluru, Marathali (C)	65	55	56	53	54	52	57	54	59	56
5		Bengaluru, BTM (R)	55	45	66	56	66	56	66	56	66	57
6	Chennai	Chennai, Eye Hospital (S)	50	40	64	51	62	52	64	53	61	53
7		Chennai, T.Nagar(c)	65	55	73	62	73	62	74	64	75	67
8		Chennai Perambur (C)	65	55	68	58	69	58	68	57	69	58
9		Chennai, Guindy (I)	75	70	76	71	75	71	75	71	76	72
10		Chennai, Triplicane (R)	55	45	68	55	68	56	68	56	68	57
11	Delhi	Delhi, Dilshad Garden (S)	50	40	52	50	52	49	51	49	52	48
12		Delhi, CPCB (C)	65	55	64	53	62	53	63	53	65	54
13		Delhi, DCE (S)	50	40	52	48	51	49	52	49	52	48
14		Delhi, ITO (C)	65	55	73	71	72	69	74	73	74	73
15		Delhi, NSIT (S)	50	40	56	54	56	54	56	53	56	53
16	Hyderabad	Hyderabad, Abits (C)	65	55	72	63	72	63	72	64	74	65
17		Hyderabad, Punjagutta (C)	65	55	76	71	75	70	76	71	79	73
18		Hyderabad, Jeedimetla (I)	75	70	62	56	63	56	63	56	65	58
19		Hyderabad, Zoo (S)	50	40	53	48	54	48	54	49	56	50
20		Hyderabad, Jubilee Hills (R)	55	45	58	50	56	49	56	49	57	49
21	Kolkata	Kolkata, SSKM Hospital (S)	50	40	61	54	62	56	62	57	62	56
22		Kolkata, Gole Park (I)	75	70	64	59	65	61	68	64	70	67
23		Kolkata, Head Quarter (C)	65	55	62	56	61	54	62	55	64	58
24		Kolkata, Patauli (R)	55	45	55	49	55	49	55	48	55	49
25		Kolkata, New Market (C)	65	55	67	60	67	59	68	60	70	65
26	Lucknow	Lucknow, Talkatora (I)	75	70	63	55	64	56	63	56	64	57
27		Lucknow, HajratGunj (C)	65	55	67	58	72	61	72	62	72	61
28		Lucknow, P.G.I. (S)	50	40	55	49	58	52	60	53	62	55
29		Lucknow, Indira Nagar (R)	55	45	54	47	53	47	54	48	57	49
30		Lucknow, Gomti Nagar (S)	50	40	71	61	63	55	66	57	69	61
31	Mumbai	Mumbai, Thane (C)	65	55	62	53	62	55	62	55	64	56
32		Navi Mumbai, Vashi Hospital (S)	50	40	68	58	69	57	69	57	69	59
33		Mumbai, Ashp (S)	50	40	66	59	65	59	65	60	66	60
34		Mumbai, Bandra (C)	65	55	70	68	69	67	69	67	70	67
35		Mumbai, MPCB, Head Qarter (C)	65	55	67	63	66	63	68	65	71	68

Note: I = Industrial, C = Commercial, R = Residential, S = Silence Zone

### Observations:

- In Delhi the noise levels exceeds the prescribed standards at all stations except for the station at CPCB, H.Q.
- In Lucknow, noise levels exceed the prescribed standards at all stations except for the station at Talkatora for both day time and night time and at Indira Nagar for day time.
- In Kolkata, noise levels exceed the prescribed standards at SSKM Hospital and New Market station for both day & night time and at Patauli station for night time. Noise levels are within prescribed limits at remaining stations.
- In Mumbai, noise levels exceed the prescribed standard at all stations except for the day time value at Thane MCO station.
- In Hyderabad, noise levels exceed the prescribed standard at all stations except for the station at Jeedimetla.
- In Chennai, noise levels exceed the prescribed standard at all stations except for night time value at Guindy.
- In Bengaluru, noise levels exceed the prescribed standards at BTM and Nisarga Bhawan station both day and night time and at Parisar Bhawan station at night time.

### Real Time Ambient Noise Levels in 07 Metro Cities During Deepawali 2011, 2012, 2013 and 2014

Noise level Monitoring during Deepawali festival was conducted at 35 locations in seven cities ie. Delhi, Mumbai, Chennai, Kolkata, Lucknow, Bengaluru and Hyderabad. Ambient Noise Level Trend in these seven cities on the occasion of Deepawali during 2011 to 2014 (23/10/2014, 03/11/2013, 13/11/2012 and 26/10/2011) alongwith are presented in table below 5.15:

**Table 5.15 Noise levels on deepawali day during 2011 to 2014**

Sl. No.	City	Stations	2011 Leq (24 hrs)	2012 Leq (24 hrs)	2013 Leq (24 hrs)	2014 Leq (24 hrs)	Increasing Trend	Decreasing Trend/ No change
1.	Bengaluru	Nisarga Bhawan	60	51	59	58		↓
2.		Parisar Bhawan	64	62	61	63	↑	
3.		BTM	65	63	62	64	↑	
4.		Marathalli	57	55	61	61		- (No Change)
5.		Pineeya	59	57	56	61	↑	
6.	Chennai	Triplicane	69	63	65	66	↑	
7.		T. Nagar	69	70	69	72	↑	
8.		Guindy	75	74	69	76	↑	
9.		Perambur	75	86	65	69	↑	
10.		EyeHospital	65	60	66	66		- (No Change)

Sl. No.	City	Stations	2011 Leq (24 hrs)	2012 Leq (24 hrs)	2013 Leq (24 hrs)	2014 Leq (24 hrs)	Increasing Trend	Decreasing Trend/ No change
11.	Delhi	NSIT	64	56	58	60	↑	
12.		CPCB	61	58	62	66	↑	
13.		DCE	53	50	52	54	↑	
14.		Dilshad Garden	57	49	56	58	↑	
15.		ITO (Pragati Maidan)	74	74	73	77	↑	
16.	Hyderabad	Abits	71	70	70	75	↑	
17.		Jeedimetla	61	61	60	62	↑	
18.		Jubilee Hills	-	54	55	57	↑	
19.		Punjagutta	75	76	76	76		- (No Change)
20.		Zoo	-	52	55	55		- (No Change)
21.	Kolkata	Head Quarter (WBPCB)	60	59	63	61		↓
22.		New Market (Municipal Corporation)	64	64	65	72	↑	
23.		Patauli	57	54	53	56	↑	
24.		SSKM Hospital	59	59	61	60		↓
25.		Golpark	64	64	75	74		↓
26.	Lucknow	Indira Nagar	54	51	58	57		↓
27.		PGI Hospital	-	54	60	60		- (No Change)
28.		Gomti Nagar	-	60	66	65		↓
29.		Hajrat Ganj	68	69	68	70	↑	
30.		Talkatora Industrial Area	59	61	60	63	↑	
31.	Mumbai	Acworth Hospital (ASHP)	64	64	64	64		- (No Change)
32.		Bandra	69	69	68	69	↑	
33.		Thane (TMCO)	62	59	64	63		↓
34.		Vashi Hospital	66	65	65	65		- (No Change)
35.		MPCB, HQ	64	66	66	69	↑	
							21	14 (No change-7)

Note:-All values are measured in Leq [dB(A)]

14 locations indicate decreasing trend or no change in trend especially in Bengluru, Chennai, Hyderabad and Mumbai. Marginal variation is observed on deepawali 2014 at 21 locations in Delhi, Kolkata and Lucknow in comparison to Deepawali, 2013.