

National Ambient Noise Monitoring Programme (NANMP) :

As per section 5.2.8 (IV) of National Environmental Policy (NEP)-2006, CPCB is in the process of developing Noise Monitoring Network in India. It has decided to include ambient noise as a regular parameter for monitoring in specified urban areas.

The Honøble Minister for Environment and Forests, Govt of India has announced the road map for systematic monitoring of ambient noise national noise monitoring network covering 25 cities by 2012 to make Indian cities less noisy. Karnataka is one among the State and in Bangalore it is proposed to establish 10 continuous monitoring stations. For every continuous monitoring station CPCB will provide 100% capital cost and 50% of operation and maintenance cost. It was proposed to establish five monitoring stations during the reporting year 2010-11 and the remaining five stations is planned for the year 2011-12.

In the 1st phase the State Board has received five monitoring equipments from CPCB and installed at the following locations. The proposed locations for 2nd phase is also indicated below:



Noise monitoring stations installed and working

Sl No.	Station Name	Type of Area	Location	Concerned RO's
1	KSPCB,Parisara bhavan,# 49 Church Street,Bangalore. (City Railway Station)	Commer cial area	KSPCB head Office	City-II
2.	KSPCB office Building, Nisarga	Resident	CAAQM station of	City-III

	Bhavan, Sanegravannahalli, Bangalore.	ial area	KSPCB	
3.	CAAQM at 29 th main Madival lake, BTM II nd stage, Bangalore	Resident ial area	CAAQM station of CPCB	City-I
4.	Ace Manufacturing System, Peenya Industrial Area, Bangalore-58.	Industria l Area,	CAAQM station of CPCB	Peenya
5.	BWSSB site No. 137. Kadubidnahalli, Bangalore	Commer cial Area	CAAQM station of CPCB	East óII

Noise Levels Other than continuous noise monitoring stations:

The Board during 2012 has monitored ambient noise at different locations other than regular monitoring carried out through continuous noise monitoring stations. The details are as below:

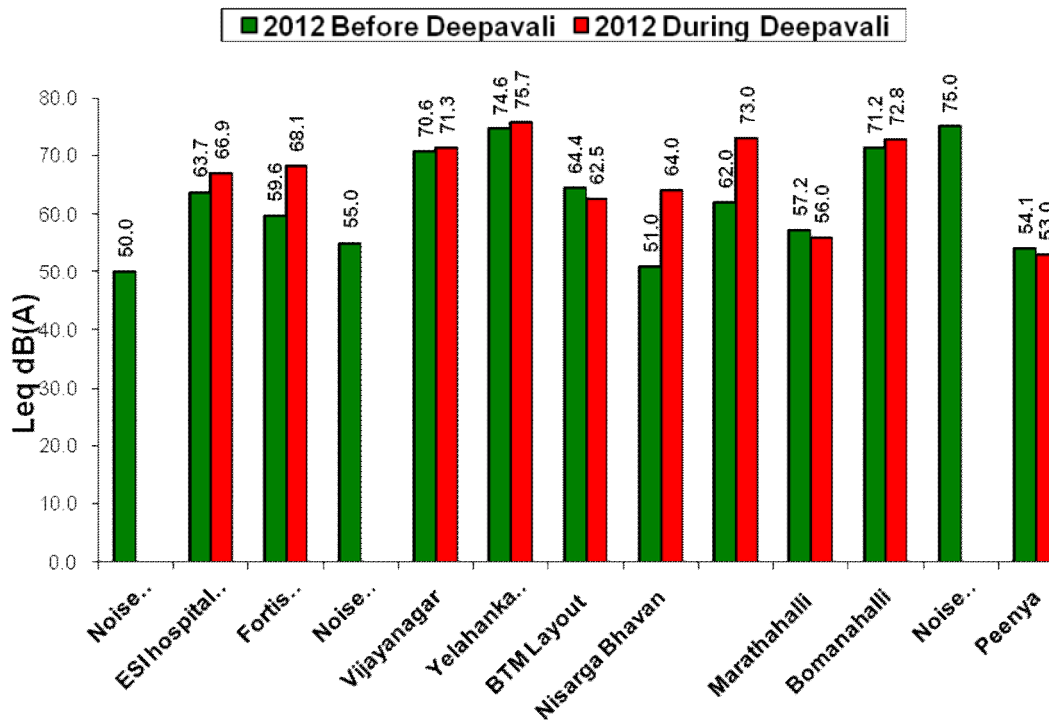
Place of Monitoring	Area	Limit dB(A)	Leq	Status
ITPL, White Field	I	75	74.4	Within the limit
Bommasandra .I.Area	I	75	62.6	Within the limit
Yelahanka I.Area	I	75	71.7	Within the limit
Kormangala	C	65	72.9	Exceeded by 12%
Jallahalli Cross	C	65	86.6	Exceeded by 33 %
Yeshwanthpur	C	65	78.7	Exceeded by 21 %
Ulsoor Near SS Temple	R	55	73.3	Exceeded by 33 %
Kengeri upanagara	R	55	69.2	Exceeded by 25 %
Vijaynagar	R	55	63.3	Exceeded by 15%
ESI Rajainagar	S	50	79.5	Exceeded by 59%
ESI Indiranagar	S	50	85.5	Exceeded by 71 %
Victoria Hospital	S	50	79.0	Exceeded by 58%
Vijaynagar {Night Time (9.00PM to 6.00AM)}	R	45	54.9	Exceeded by 22%
Hanumanthnagar	R	45	54.0	Exceeded by 20%
Hebbal Resid'l Area	R	45	74.8	Exceeded by 66%

Ambient Noise Monitoring during - Deepavali 2012:

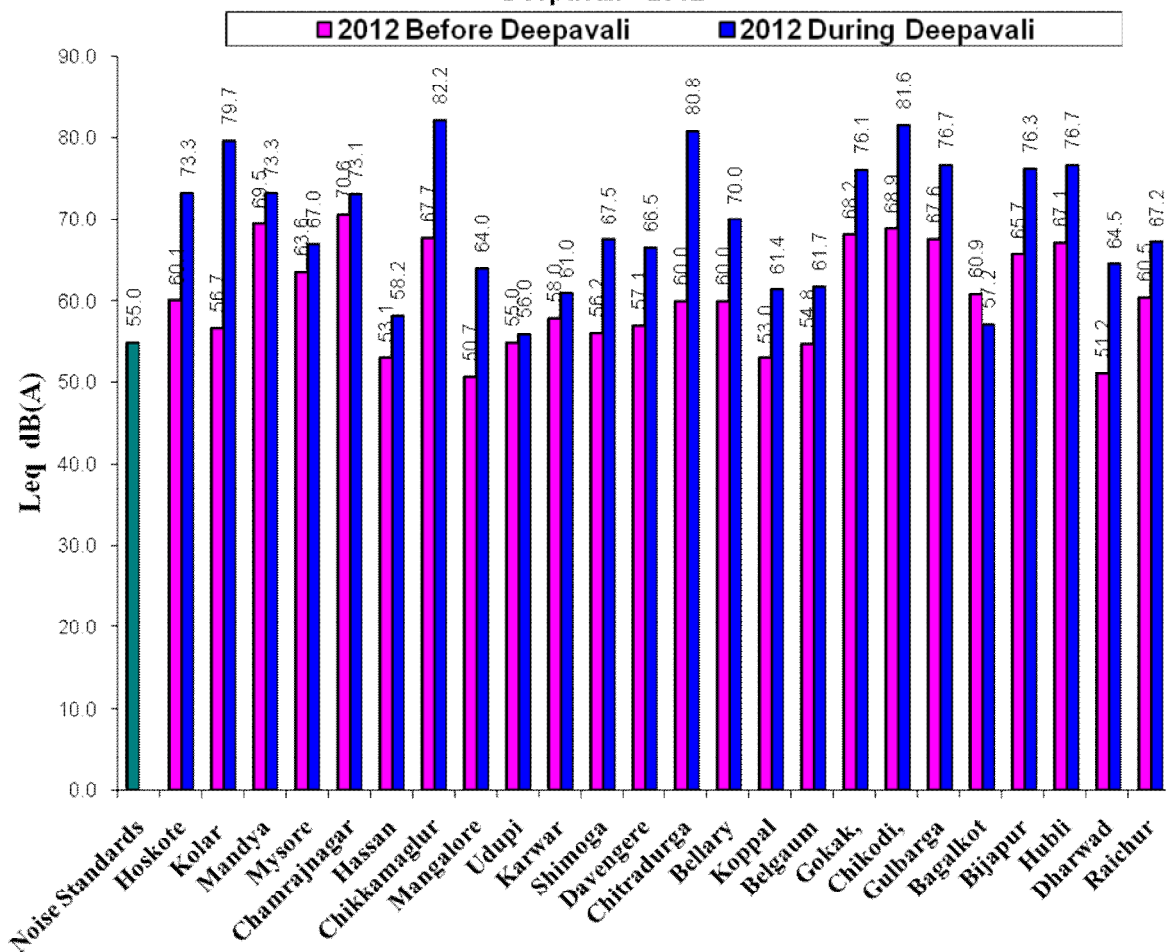
Fire crackers generate instantaneous impulsive noise, which when measured in free field condition in impulsive mode, gives peak sound pressure level. It is quite obvious that a number of crackers when bursting serially can easily form a band of continuous noise in the presence of reflecting surfaces. The reverberation of soundwave due to repeated reflection in the surfaces prolongs the time interval of prevailing sound intensity. The continuous band of noise, thus formed, definitely affects the ambient level in close proximity.

Karnataka State Pollution Control Board has conducted ambient noise level monitoring at ten selected locations in commercial residential areas and industrial area and all major cities in the state as per the C.P.C.B guidelines on a normal and festival days (Before Deepavali 2012 and during Deepavali 2012) between 6:00 p.m. and 10:00 p.m. The graph below indicates the noise level at the above monitoring locations

Ambient noise levels measured in Bangalore city during Deepavali



Ambient noise levels measured at majour cities of Karnataka during Deepavali - 2012



Comparison of Ambient Noise Level on Deepavali days during the year 2011 & 2012 (All the average values are in dB (A))

Sl No	Place of Monitoring	National Noise Limits	Zone	Deepavali 2011	Deepavali 2012	D/I, compared to 2011 Deepavali
1	Vijayanagar Club	55	R	72.5	71.5	1.3 % decrease
2	Indiranagar ESIH	50	S	66.5	66.8	0.5 % decrease
3	Peenya	75	I	57.5	53.0	7.8 % decrease
4	NisargaBhavan	55	R	56.0	64.0	14 % Increase
5	BTM Layout	55	R	54.5	62.5	14.6 % increase
6	ParisaraBhavan	65	C	57.5	73.0	26 % increase
7	Marathahalli	55	R	53.5	56.0	4.6 % increase
8	Yelahanka New-Towm	75	I	88.0	75.7	14 % decrease

Note : Industrial Area , R – Residential Area, C – Commercial Area, S –Sensitive Area

Noise Awareness Programme:

The Board is organizing “No honking Mondays” from November 2012 in association with Residence Association , Pratham Motors and Police Department in Bangalore city, to create awareness on impact of noise on environment to public. During campaign noise level measurement also being carried out at selected locations, the measured data is reveals that there is a reduction of 4-5 % noise level during campaign.





No Honking Monday's – Noise level measured at different locations of Bangalore city

Name of the places	Normal days Noise values	No Horn Monday's Noise values, during campaign	Average % Reduction	Limits in dB(A) Leq
BDA Complex Koramangala	81.2	79.3	2.3 %	65.0
Sony Circle , Koramangala	83.2	78.8	5.4 %	
Aishwarya Junction, Koramangala	84.8	79.1	6.7 %	
Wipro Junction Koramangala	81.9	78.75	3.8 %	
Overall reduction of Noise level during campaign			4.5 %	