

IMPACT OF LOCKDOWN ON AIR QUALITY OF BANGALORE CITY

The lockdown, since March 24, 2020, has resulted in significant improvement in Noise quality of Bangalore city. The Karnataka State Pollution Control Board has conducted Noise level monitoring at 10 Continuous Ambient Noise Monitoring Stations (CANMS) in Bengaluru city around the clock before Lockdown (1.3.2020 to 23.3.2020) and during lockdown (24.3.2020 to 30.4.2020) (All the average values are in dB (A)). The noise level data is presented in the below table.

SI No	Place of Monitoring	Zone	National Noise Limits in dB(A) Leq*	Before Lockdown (1.3.2020 to 23.3.2020)	After Lockdown (24.3.2020 to 30.4.2020)	Decrease (%)
			Day Time (6.00 AM to 10.00 PM)	Day Time (6.00 AM to 10.00 PM)	Day Time (6.00 AM to 10.00 PM)	
1.	Whitefield Industrial Area	I	75	65.2	58.6	10.1
2.	Peenya , Industrial area	I	75	61.9	56.4	8.9
3.	Parisara Bhavan, Church Street	C	65	65.3	57.3	12.3
4.	Yeshwanthpur Police Station	C	65	70.9	64.3	9.3
5.	Marathahalli	C	65	76.7	66.1	13.8
6.	Nisarga Bhavan,SG Halli	R	55	52.6.	52.6	0.0
7.	BTM Layout	R	55	64.4	63.3	1.7
8.	TERI Office, Domlur	R	55	61.4	59.3	3.4
9.	R.V.C.E , Mysore Road	S	50	56.2	50.5	10.1
10.	Indira Gandhi Institute of Child Health, (NIMHANS)	S	50	66.9	69.2	3.4↑

Note:-

1. Day time shall mean from 6.00 AM to 10.00 PM
2. I- Industrial Area , R – Residential Area, C – Commercial Area, S –Sensitive Area
3. dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
4. A “decibel” is a unit in which noise is measured.
5. Leq: It is energy mean of the noise level over a specified period.