

Ambient Air Quality measured during “BUS DAY” observed by BMTC Bangalore during – 2010.

Karnataka State Pollution Control Board has conducted ambient air quality monitoring (Feb 2010 to Dec 2010) at the different locations of Bangalore City using Mobile Laboratory on the occasion of BUS DAY observed by (BMTC) Bangalore Metropolitan Corporation Central Office, Bangalore. The reduction in concentration of pollutants is indicated in the table below:

Sl No	Parameters monitored	Feb-2010	Mar-2010	Apr-2010	May-2010	Jun-2010	July-2010	Aug-2010	Oct-2010	Dec-2010	Over all reduction
		Maratha halli	Bennerghatta Road	Ibbalur Junction	Central Silk Board	Jallahalli Cross	Kadira nahally	Corporation Circle	Nagarabhavi Junction	Hebbal Junction	
1	SO₂ µg/m ³	14.6 %	14.7 %	15.9 %	30.1 %	8.6 %	8.8 %	10.6 %	6.4 %	9.5 %	13.2 %
2	NO_x µg/m ³	8.1 %	13.6 %	3.7 %	12.5 %	13.8 %	3.0 %	13.0 %	11.9 %	11.0 %	9.0 %
3	RSPM µg/m ³	20.9 %	13.5 %	10.9 %	12.5 %	13.4 %	15.2 %	9.2 %	4.6 %	4.4 %	13.3 %
4	CO mg/m ³	0.71 %	12.7 %	10.2 %	25.8 %	7.1 %	7.6 %	12.5 %	3.8 %	14.3 %	10.5 %
5	O₃ µg/m ³	3.46 %	7.2 %	10.8 %	17.5 %	16.6 %	5.6 %	23.2 %	6.1 %	5.5 %	10.6 %
								Over all reduction			11.3 %

- **Note : Parameters monitored: SO₂:** Sulphur dioxide, **NO_x :** Oxides of nitrogen, **RSPM:** Respirable suspended particulate matter,
- **CO:** Carbon monoxide and **O₃ :** Ozone

Observation:

1. Ambient air quality monitoring has been conducted **before, during and after BUS DAY, using Mobile Laboratory**
2. The measured RSPM values have exceeded the national ambient air quality standards during before bus day for all the months except for the month of Oct and Dec-2010.
3. The measured of NO_x values, except Feb and June-2010 have not exceeded the national ambient air quality standards
4. SO₂, CO & O₃ have not exceeded the national ambient air quality standards in all the months.
5. Over all , an average of all pollutants have reduced **by 11 %** during BUS DAY when compare to the normal days