

**Status of ambient air quality during “BUS DAY” on 4th July - 2011 observed by BMTC
Bangalore monitored using Mobile Laboratory**

Karnataka State Pollution Control Board has conducted ambient air quality monitoring at Junction of St. Johan’s Hospital Road (Near Water Tank) Koramangala, Bangalore, on the occasion of BUS DAY on 4th of July - 2010 observed by Bangalore Metropolitan Corporation (BMTC) Central Office Bangalore. To check the impact of BUS DAY on air quality, monitoring was conducted during and after BUS DAY. The data is as follows.

**Ambient air quality status at Junction of St. Johan’s Hospital Road (Near water Tank)
Koramangala, Bangalore**

Sl No	Parameter	Standards	Before BUS DAY (1.7.2011)	During BUS DAY (4.7.2011)	% Decreased	After BUS DAY (5.7.2011)	% Increased
1	SO ₂ µg/m ³	80.0	20.8	19.1	↓ 8.2 %	21.8	↑4.8 %
2	NO _x µg/m ³	80.0	48.4	46.1	↓ 4.8 %	51.5	↑6.4 %
3	RSPM µg/m ³	100.0	111.0	107.0	↓ 3.6 %	108.0	↑ 2.7 %
4	CO mg/m ³	2.0	1.7	1.5	↓ 11.7 %	1.5	↓ 11.7 %
5	O ₃ µg/m ³	100.0	5.0	4.8	↓ 4.0 %	5.1	↑2.0%

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

The measured values before Bus Day (1.7.2011) and during Bus day (4.7.2011) like SO₂, NO_x, CO, and O₃, have not exceeded the national ambient air quality standards and RSPM has exceeded the national ambient air quality standards on all the days.

However on **BUS day (4.7.2011)** the measured values like SO₂, NO_x, RSPM, CO, and O₃, have decreased by 8.2 %, 4.8 %, 3.6 %, 11.7 % and 4 % respectively, when compare to the normal day (**before BUS Day 1.7.2011**)

After Bus Day ie on (5.7.2011) the measured values of SO₂, NO_x, RSPM & O₃ have increased by 4.8 %, 6.4 %, 2.7 %, and 2.0 % and CO has decreased by 11.7 % respectively when compare to before bus day on (1.7.2011).

Scientific Officer