

**Status of ambient air quality during “BUS DAY” on 7th April 2010 observed by
BMTC Bangalore monitored using Mobile Laboratory**

Karnataka State Pollution Control Board has conducted ambient air quality monitoring at **Ibbalur Junction** (Sarjapur Road) Bangalore on the occasion of BUS DAY on 7th April 2010 observed by Bangalore Metropolitan Corporation (BMTC) Central Office Bangalore. To check the impact of BUS DAY on air quality monitoring was conducted before, during and after the BUS DAY. The data is as follows.

Table-1 Ambient air quality status at Ibbalur Junction (Sarjapur Road) Bangalore measured by using Mobile Laboratory of KSPCB

Sl No	Parameter	Standards	Before bus days (6.4.2010)	During bus day (7.4.2010)	% Decrease	After bus day (8.4.2010)	%
1	SO ₂ µg/m ³	80.0	14.28	12.0	15.9 %,	14.91	4.4 % Increase
2	NO _x µg/m ³	80.0	63.23	60.0	3.7 %,	64.0	1.2 % Increase
3	RSPM µg/m ³	100.0	119.0	106.0	10.9 %,	122.0	2.5 % Increase
4	CO mg/m ³	2.0	1.17	1.05	10.2 %	1.16	0.85 % Decrease
5	O ₃ µg/m ³	100.0	5.45	4.86	10.8 %	5.2	5.1 % Decrease

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 of RSPM levels have exceeded the national ambient air quality standards on 6th April and 8th April -2010 and on Bus day exceeded the limits. The values of NO_x, SO₂, CO, and O₃ have not exceeded the national ambient air quality standards.
- On BUS day (7.4.2010) air pollutants like SO₂, NO_x, RSPM ,CO and O₃ levels have decreased by **15.9 %**, **3.7 %**, **10.9 %** , **10.2 %** and **10.8 %** respectively, when compare to before bus day (6.4.2010).
- After bus day (8.4.2010) the pollutants like SO₂, NO_x, and RSPM, levels have increased by 4.4 %, 1.2 % and 2.5 % respectively. CO and O₃ levels have decrease by 0.85 % and 5.1 % respectively when compare to before bus day (6.4.2010)