

Status of ambient air quality during “BUS DAY” on 4th May 2010 observed by BMTC Bangalore monitored using Mobile Laboratory

Karnataka State Pollution Control Board has conducted ambient air quality monitoring at Central Silk Board Junction (Hosur Road) Bangalore on the occasion of BUS DAY on 4th May- 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 the BUS DAY. The data is as follows.

Table-1. Ambient air quality status at Central Silk Board Junction (Hosur Road) Bangalore measured by using Mobile Laboratory of KSPCB

Sl No	Parameter	Standards	Before BUS DAY (3.5.2010)	During BUS DAY (4.5.2010)	After BUS DAY (5.5.2010)	% Reduction
1	SO ₂ µg/m ³	80.0	BMTC have requested the Board to check the impact of BUS DAY on air quality monitoring on 3.5.2010 at 11.40 AM. Hence monitoring could not be carried out on before bus day	9.97	14.27	30.13%
2	NO _x µg/m ³	80.0		44.77	51.16	12.49%
3	RSPM µg/m ³	100.0		105.0	120.0	12.5%
4	CO mg/m ³	2.0		1.12	1.51	25.82%
5	O ₃ µg/m ³	100.0		4.44	5.38	17.47%

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 4th May and 5th May -2010. The values of NO_x, SO₂, CO, and O₃ have not exceeded the national ambient air quality standards. However SO₂, NO_x, RSPM, CO and O₃ have decreased by 30.0, 12.5,12.5, 25.8 and 17.5 % respectively when compare to normal day (5.5.2010)