

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

Karnataka State Pollution Control Board has conducted ambient air quality at Dairy Circle, Bannerghatta Road, Bangalore on the occasion of BUS DAY on 4th Mar 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 Bannerghatta Road measured by using Mobile Laboratory of KSPCB

Sl No	Parameter	Standards	Before bus days (3.3.2010)	During bus day (4.3.2010)	% Decrease	After bus day (5.3.2010)	% Increase
1	SO ₂ µg/m ³	80.0	9.98	8.51	14.73 %	11.28	13.03 %
2	NO _x µg/m ³	80.0	42.3	36.55	13.59 %	51.4	21.51 %
3	RSPM µg/m ³	100.0	111.0	96.0	13.51 %	112.0	0.9 %
4	CO mg/m ³	2.0	1.1	0.96	12.73 %	1.2	9.1 %
5	O ₃ µg/m ³	100.0	5.0	4.64	7.2 %	5.4	8.0 %

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 of RSPM levels have exceeded the national ambient air quality standards on 3rd and 5th Mar-2010 and on Bus day is within the limits. The values of NO_x, SO₂, CO, and O₃ have not exceeded the national ambient air quality standards.
- On BUS day (4.3.2010) air pollutants like SO₂, NO_x, RSPM, CO and O₃ levels have decreased by 14.73 %, 13.59 %, 13.51 %, 12.73 % and 7.2 % respectively, when compare to before bus day (3.3.2010).
- After bus day (5.3.2010) the pollutants like SO₂, NO_x, RSPM, CO and O₃ levels have increased by 13.03 %, 21.51%, 0.9%, 9.1% and 8.0% respectively when compare to before bus day (3.3.2010).