

## Status of ambient air quality during “BUS DAY” on 4<sup>th</sup> Feb 2010 observed by BMTC Bangalore monitored using Mobile Laboratory

Karnataka State Pollution Control Board has conducted ambient air quality at Marathahalli (old Air port Road ) in Bangalore on the occasion of BUS DAY observed by Bangalore Metropolitan Corporation (BMTC) Central Office Bangalore on 4<sup>th</sup> Feb 2010. 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 Marathhalli (Old Air Port Road) measured using Mobile Laboratory**

Sl No	Parameter	Standards	Before bus days ( 2.2.2010 )	During bus day (4.2.2010)	% Decrease	After bus day (5.2.2010)	% Decrease
1	SO <sub>2</sub> µg/m <sup>3</sup>	80.0	13.8	11.78	14.63 %,	12.,69	8.0 %,
2	NO <sub>x</sub> µg/m <sup>3</sup>	80.0	101.7	93.45	8.11 %,	97.86	3.77 %
3	RSPM µg/m <sup>3</sup>	100.0	139	110	20.86 %,	124	10.79 %
4	CO mg/m <sup>3</sup>	2.0	1.4	1.39	0.71 %	1.4	0 %
5	O <sub>3</sub> µg/m <sup>3</sup>	100.0	4.9	4.73	3.46 %	4.82	1.63 %

**Note :**

- SO<sub>2</sub> : Sulphur dioxide, NO<sub>x</sub> – Oxides of nitrogen, , RSPM- Respirable suspended particulate matter , CO- carbon monoxide and O<sub>3</sub>-Ozone
- The measured values of RSPM and NO<sub>x</sub> levels have exceeded the national ambient air quality standards on measured days and SO<sub>2</sub>, CO, and O<sub>3</sub> have not exceeded the national ambient air quality standards.
- On BUS day (4.2.2010) air pollutants like SO<sub>2</sub>, NO<sub>x</sub>, RSPM ,CO and O<sub>3</sub> levels have decreased by 14.63 %, 8.11 %, 20.86 %, 0.71 % and 3.46 % respectively, when compare to before bus day (2.2.2010).
- After bus day (5. 2.2010) the pollutants like SO<sub>2</sub>, NO<sub>x</sub>, RSPM, CO and O<sub>3</sub> levels have decrease by 8.0 %, 3.77 % 10.79 %, 0 % and 1.63 % respectively when compare to before bus day (2.2.2010).

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