

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

Karnataka State Pollution Control Board has conducted ambient air quality monitoring at Corporation Junction Bangalore on the occasion of BUS DAY on 4<sup>th</sup> of Aug - 2010 observed by Bangalore Metropolitan Corporation (BMTC) Central Office Bangalore. To check the impact of BUS DAY on air quality monitoring was conducted before and after the BUS DAY. The data is as follows.

**Ambient air quality status at Corporation Junction Bangalore measured by using Mobile Laboratory of KSPCB.**

Sl No	Parameter	Standards	Before BUS DAY (3.8.2010)	During BUS DAY (4.8.2010)	% Decreased	After BUS DAY (7.8.2010)	% Decrease d
1	SO <sub>2</sub> µg/m <sup>3</sup>	80.0	11.3	<b>10.1</b>	10.6 %	10.8	4.4 %
2	NO <sub>x</sub> µg/m <sup>3</sup>	80.0	49.2	<b>42.8</b>	13.0 %	45.3	7.9 %
3	RSPM µg/m <sup>3</sup>	100.0	130.0	<b>118.0</b>	9.2 %	127.0	4.4 %
4	CO mg/m <sup>3</sup>	2.0	1.6	<b>1.4</b>	12.5 %	1.5	6.2 %
5	O <sub>3</sub> µg/m <sup>3</sup>	100.0	6.9	<b>5.3</b>	23.2 %	6.0	13.0 %

**Note: Parameters monitored: 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 level has exceeded the national ambient air quality standards on 3<sup>rd</sup>, 4<sup>th</sup> and 7<sup>th</sup> August -2010. The values of NO<sub>x</sub>, SO<sub>2</sub>, CO, and O<sub>3</sub> have not exceeded the national ambient air quality standards. However, the measured values of SO<sub>2</sub>, NO<sub>x</sub>, RSPM, CO and O<sub>3</sub> have decreased by **10.6, 13.0 9.2, 12.5 & 23.2 %** respectively when compare to before Bus day on **(3.8.2010)**.

After BUS DAY **(7.8..2010)** measured values like SO<sub>2</sub>, NO<sub>x</sub>, RSPM, and O<sub>3</sub> levels are decreased by 4.4, 7.9, 4.4, 6.2 & 13.0 % respectively when compare to before BUS DAY **(3.8.2010)** .

**Observation:** The values are decreased may be due to weather condition and less vehicular population on 7.8.2010.