

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

Karnataka State Pollution Control Board has conducted ambient air quality monitoring at Hebbala Junction Bangalore on the occasion of BUS DAY on 7th of Dec - 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 Hebbala Junction Bangalore measured by using Mobile Laboratory of KSPCB

Sl No	Parameter	Standards	Before BUS DAY (6.12.2010)	During BUS DAY (7.12.2010)	% Decreased	After BUS DAY (8.12.2010)	% Increased
1	SO ₂ µg/m ³	80.0	14.7	13.3	9.5%	14.8	0.7 % ↑
2	NO _x µg/m ³	80.0	57.2	50.9	11.0%	56.7	0.9 % ↓
3	RSPM µg/m ³	100.0	68	65	4.4%	71	4.4 % ↑
4	CO mg/m ³	2.0	1.4	1.2	14.3%	1.3	7.0 % ↓
5	O ₃ µg/m ³	100.0	5.4	5.1	5.5%	5.4	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 like SO₂, NO_x, RSPM, CO, and O₃ have not exceeded the national ambient air quality standards in all the days. However, the measured values of SO₂, NO_x, RSPM, CO and O₃ have decreased by 9.5, 11.0, 4.4, 14.3 & 5.5 % respectively when compare to before Bus day on **(6.12.2010)**.

After BUS DAY **(8.12.2010)** measured values like SO₂, RSPM, levels are increased by 0.7% and 4.4 %. The values of NO_x, and CO are decreased by 0.9 % and 7.0 % compared to before Bus day **(6.12.2010)**

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