

**Status of Ambient Air Quality in Bangalore City during Karnataka Bandh called on 22.1.2011**

Karnataka Bandh was observed on 22.1.2011. To know the impact of Bandh on ambient air quality in Bangalore City, air quality monitoring was carried out at City Railway Station and Regional Office Complex, KSPCB, S.G.Halli using Continuous Ambient Air Quality Monitoring Stations (CAAQMS). The monitored data is as follows

<b>Continuous Ambient Air Quality Monitoring Station (CAAQMS) data at City Railway Station</b>						
Sl. No	Parameters	National Air Standards Revised Standards, 18.11.2009.	Ambient Air Quality as per New Standards on	Average value of pollutant on Normal day (21.1.2011 6.00 AM to 6.00 PM )	Average value of pollutant on Bandh day (22.1.2011 6.00 AM to 6.00 PM )	% Reduction of Pollutants by
1	Sulphur Dioxide (SO <sub>2</sub> ) µg/m <sup>3</sup>	80.0 µg/ M3		12.0	9.5	21.0 %
2	Carbon Monoxide (CO) mg/m <sup>3</sup>	2.0 mg/ M3		1.3	1.1	15.4 %
3	Respirable Suspended Particulate Matter (RSPM) µg/m <sup>3</sup>	100.0 µg/ M3		65.5	48.3	26.3 %
4	Nitrogen Dioxide (NO <sub>2</sub> ) µg/m <sup>3</sup>	80.0 µg/ M3		128.5	60.1	53.3 %
<b>Continuous Ambient Air Quality Monitoring Station (CAAQMS) data at Regional Office Complex, KSPCB, S.G.Halli</b>						
1	Sulphur Dioxide (SO <sub>2</sub> ) µg/m <sup>3</sup>	80.0 µg/ M3		5.0	4.3	14.0 %
2	Carbon Monoxide (CO) mg/m <sup>3</sup>	2.0 mg/ M3		0.7	0.6	14.3 %
3	Respirable Suspended Particulate Matter (RSPM) µg/m <sup>3</sup>	100.0 µg/ M3		17.5	15.0	16.7 %
4	Nitrogen Dioxide (NO <sub>2</sub> ) µg/m <sup>3</sup>	80.0 µg/ M3		45.5	36.0	21.0 %

- City Railway station is a commercial area, measured pollutants like SO<sub>2</sub>, CO, RSPM and NO<sub>2</sub> have decreased by 21.0 %, 15.4 %, 26.3 % and 53.3 % respectively. But over all reduction of measured pollutants by 29.0 % on Bandh day (22.1.2011), when compare to normal day (21.1.2011)
- Regional Office Complex, KSPCB, S.G.Halli is a residential area, measured pollutants like SO<sub>2</sub>, CO, RSPM and NO<sub>2</sub> have decreased by 14.0 %, 14.3 %, 16.7 %, and 21.0 % respectively. But over all reduction of measured pollutants by 16.5 % on Bandh day (22.1.2011), when compare to normal day (21.1.2011)