Karnataka State Pollution Control Board

"Parisara Dhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

NO: KSPCB/AQMC/BUS DAY/2011-12

Date: 8.6.2011

To

The Chief Traffic Manager (Opn).
BMTC – Central Office,
Bangalore – 560027

Sir,

Sub: Status of ambient air quality during “BUS DAY” on 6th June – 2011-reg.

With reference to the above, please find herewith enclosed report of ambient air quality measured at Richmond Circle Bangalore using Mobile Laboratory on BUS DAY i.e on 6th June- 2011.

Thanking you,

Yours sincerely

CHIEF ENVIRONMENTAL OFFICER

Copy to

1. P.A to Member Secretary for information and to bring to the kind notice of Member Secretary
2. P.A to Chairman for information and to bring to the kind notice of the Hon’ble Chairman
3. E-O-e-governance cell for information and to upload the data to Board-Website
Status of ambient air quality during "BUS DAY" on 6th June - 2011 observed by BMTC Bangalore monitored using Mobile Laboratory

Karnataka State Pollution Control Board has conducted ambient air quality monitoring at Richmond Circle, Bangalore on the occasion of BUS DAY on 6th of June - 2010 observed by Bangalore Metropolitan Corporation (BMTC) Central Office Bangalore. To check the impact of BUS DAY on air quality, monitoring was conducted during and after BUS DAY. The data is as follows.

Ambient air quality status at Richmond Circle, Bangalore measured using Mobile Laboratory of KSPCB

<table>
<thead>
<tr>
<th>SI No</th>
<th>Parameter</th>
<th>Standards</th>
<th>Before BUS DAY (3.6.2011)</th>
<th>During BUS DAY (6.6.2011)</th>
<th>% Decreased</th>
<th>After BUS DAY (7.6.2011)</th>
<th>% Increased/Decreased</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SO2 µg/m³</td>
<td>80.0</td>
<td>55.5</td>
<td>43.1</td>
<td>22.3 %</td>
<td>44.0</td>
<td>↑ 2.1 %</td>
</tr>
<tr>
<td>2</td>
<td>NOx µg/m³</td>
<td>80.0</td>
<td>79.3</td>
<td>64.2</td>
<td>19.0 %</td>
<td>65.9</td>
<td>↑ 2.6 %</td>
</tr>
<tr>
<td>3</td>
<td>RSPM µg/m³</td>
<td>100.0</td>
<td>124.0</td>
<td>113.0</td>
<td>8.9 %</td>
<td>116.0</td>
<td>↑ 2.7 %</td>
</tr>
<tr>
<td>4</td>
<td>CO mg/m³</td>
<td>2.0</td>
<td>2.3</td>
<td>2.2</td>
<td>4.4 %</td>
<td>2.2</td>
<td>0.0 %</td>
</tr>
<tr>
<td>5</td>
<td>O3 µg/m³</td>
<td>100.0</td>
<td>8.1</td>
<td>6.9</td>
<td>15.4 %</td>
<td>7.0</td>
<td>↑ 1.4 %</td>
</tr>
</tbody>
</table>

Note: Parameters monitored: SO2: Sulphur dioxide, NOx: Oxides of nitrogen, RSPM: Respirable suspended particulate matter, CO: Carbon monoxide and O3: Ozone

The measured values for SO2, NOx, and O3 have not exceeded the national ambient air quality standards but RSPM and CO have exceeded the national ambient air quality standards on both the days i.e. before Bus Day (3.6.2011) and during Bus day (6.6.2011). However, on BUS Day the measured values like SO2, NOx, RSPM, CO and O3 have decreased by 22.3 %, 19.0 %, 8.9 %, 4.4 % and 15.4 % respectively when compared to the normal day (before BUS Day on 3.6.2011).

After Bus Day on (7.6.2011) the measured values of SO2, NOx, RSPM & O3 have increased by 2.1, 2.6, 2.7 & 1.4 % except CO respectively when compared to Bus day on (6.6.2011).

Scientific Officer