

CENTRAL POLLUTION CONTROL BOARD, DELHI
Ambient air quality of Delhi
-Comparison of Pre-CNG (2000) with 2008 *

| Parameter | Prescribed Annual Standard (Residential) | 2000 | 2008* | Percentage Increase/ Decrease |
|------------------------------------|--|------|-------|-------------------------------|
| No. of Vehicles (Approx. in Lakhs) | | 35 | 55 | 57 |
| SO ₂ | 60 | 18 | 5 | (-72) |
| NO ₂ | 60 | 36 | 48 | 33 |
| SPM | 140 | 405 | 413 | 2 |
| RSPM | 60 | 159 | 192 | 21 |
| CO | 2000 | 4686 | 2348 | (-50) |

All values are in $\mu\text{g}/\text{m}^3$

* Data of November and December is taken from the year 2007 for averaging the year 2008

Observations:

Increase in number of vehicles (57%), NO₂ (33%), SPM (2%) & RSPM (21%)

Decrease in SO₂ (72%) & CO (50%)

CENTRAL POLLUTION CONTROL BOARD, DELHI

| Parameter / Year | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008* |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| SO₂ | 18 | 14 | 12 | 9 | 9 | 9 | 9 | 5 | 5 |
| NO₂ | 36 | 34 | 39 | 45 | 48 | 49 | 49 | 43 | 48 |
| SPM | 405 | 348 | 424 | 352 | 357 | 337 | 401 | 379 | 413 |
| RSPM | 159 | 137 | 166 | 148 | 146 | 140 | 155 | 169 | 192 |
| CO (B.S.Z. Marg) | 4686 | 4183 | 3258 | 2831 | 2581 | 2541 | 2531 | 2463 | 2348 |
| Note : All Values are in µg/m³ | | | | | | | | | |
| * Data of November and December is taken from the year 2007 for averaging the year 2008 | | | | | | | | | |

Annual Ambient Air Quality Standards (Residential)

| | |
|-----------------|------|
| SO ₂ | 60 |
| NO ₂ | 60 |
| SPM | 140 |
| RSPM | 60 |
| CO (8 Hourly) | 2000 |

Note : All Values are in µg/m³

MAJOR MEASURES TAKEN TO REDUCE AIR POLLUTION IN DELHI

- Unleaded petrol introduced in NCR in September, 1998.
- Sulphur content in diesel reduced from 0.5% (April, 1996) to 0.05% in April, 2000.
- Catalytic converter with passenger car introduced in April, 1995.
- Gasoline in Benzene reduced from 5% (April, 1996) to 1% (November, 2000).
- Restriction imposed in operation of goods vehicles during day time from August, 1999.
- Diversion of Interstate buses.
- Time clocks installed at red lights.
- Construction of fly over and sub ways for smooth flow of traffic.
- Metro rail for mass rapid transport introduced.
- Introduction of pre mixed 2T oil for two stroke engine from April, 1999.
- Introduction of CNG for commercial transport vehicles (buses, taxis, auto rickshaws etc.)
- Ethanol blended (5% petrol) introduced.
- More than 15 year old commercial vehicles phased out from 1998.
- PUC certificate with three month validity introduced
- Fuel quality standard (Bharat Stage – I, II, III and IV) introduced.