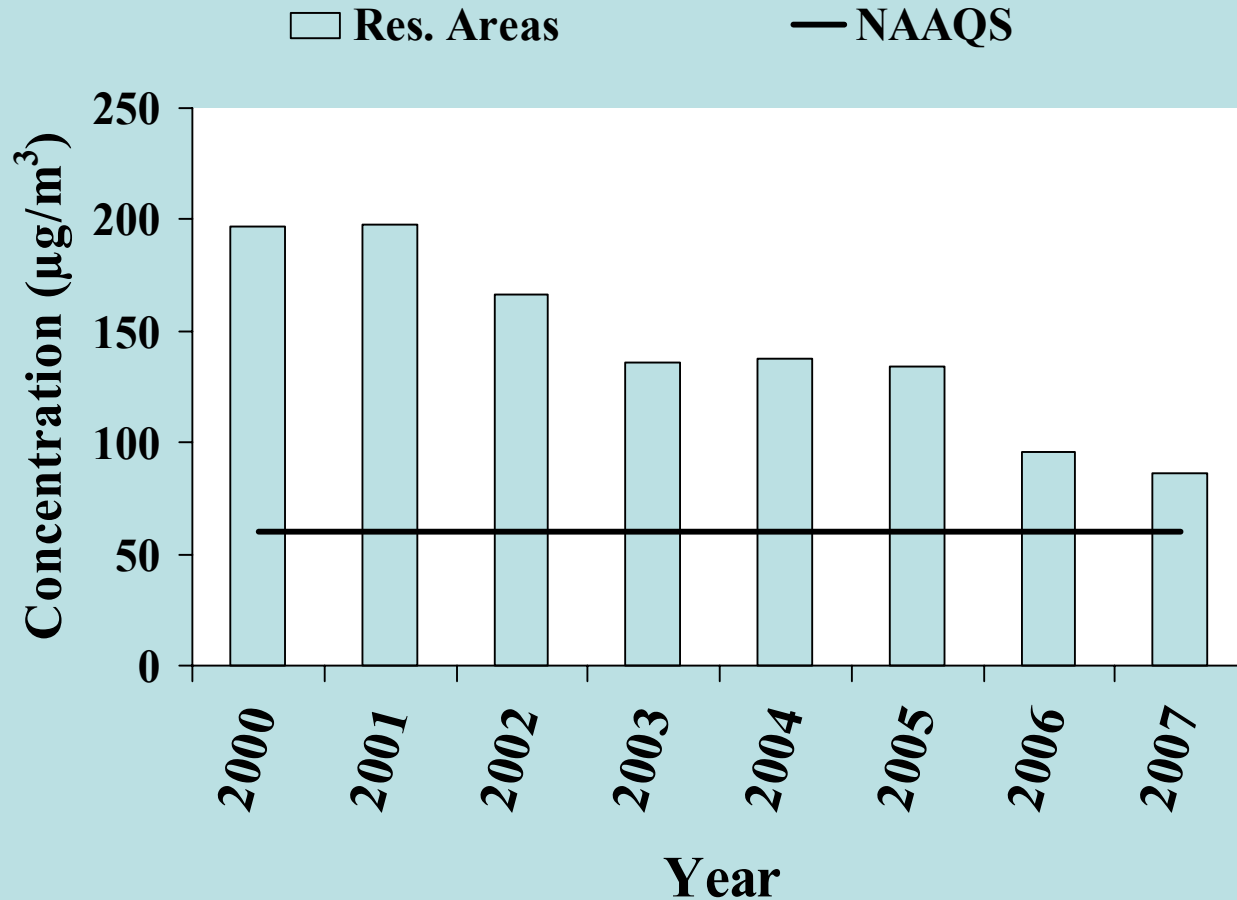


# Review of Action Plan for control of Air Pollution in Ahmedabad



August 2008

# AMBIENT AIR QUALITY OF AHMEDABAD CITY



Trends in Annual Average Concentration of RSPM  
in residential areas of Ahmedabad

Source: CPCB website



## Ranking of Ahmedabad vis-vis other cities over the years

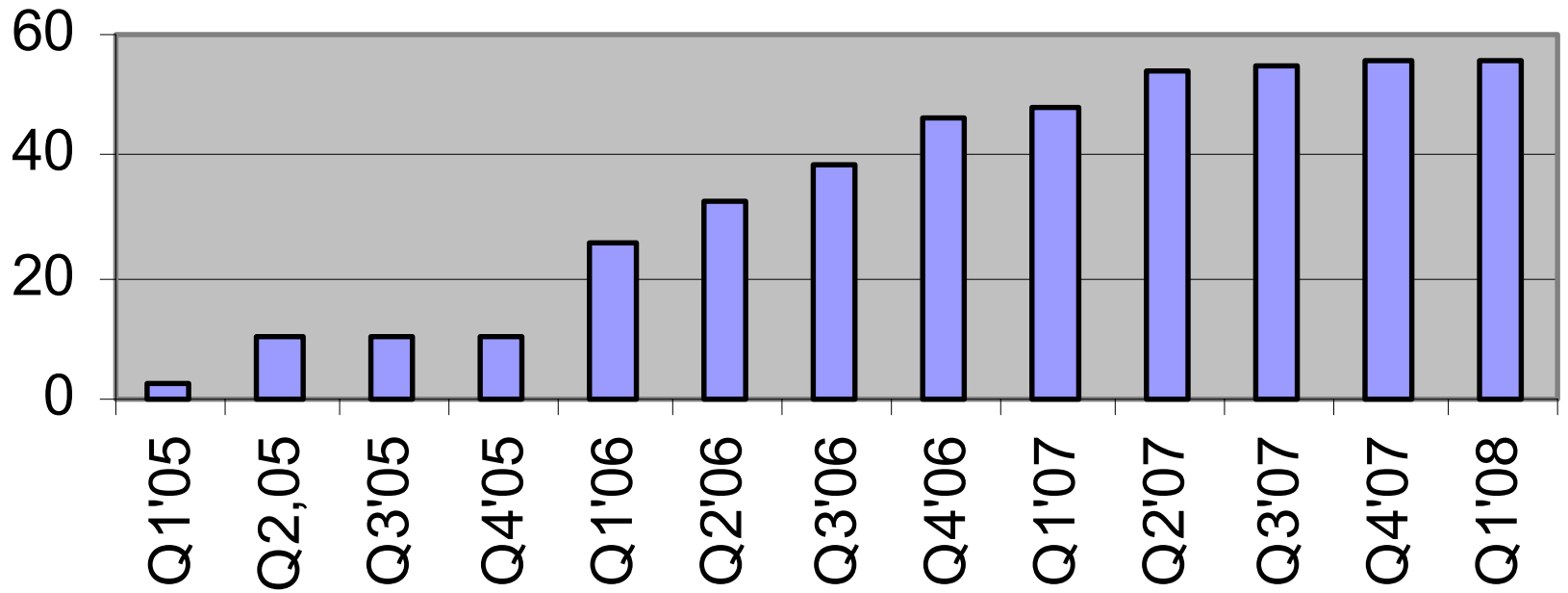
Year	RSPM levels in microgram /m <sup>3</sup>	Ranking among 85 cities covered under NAMP
2001	198	4
2002	166	N.A.
2003	136	N.A.
2004	138	12
2005	134	13
2006	96	43
2007	86	~50 (projected)
2008 (up to June)	82*	

\* Based on monthly average of 6 months

Source: CPCB data

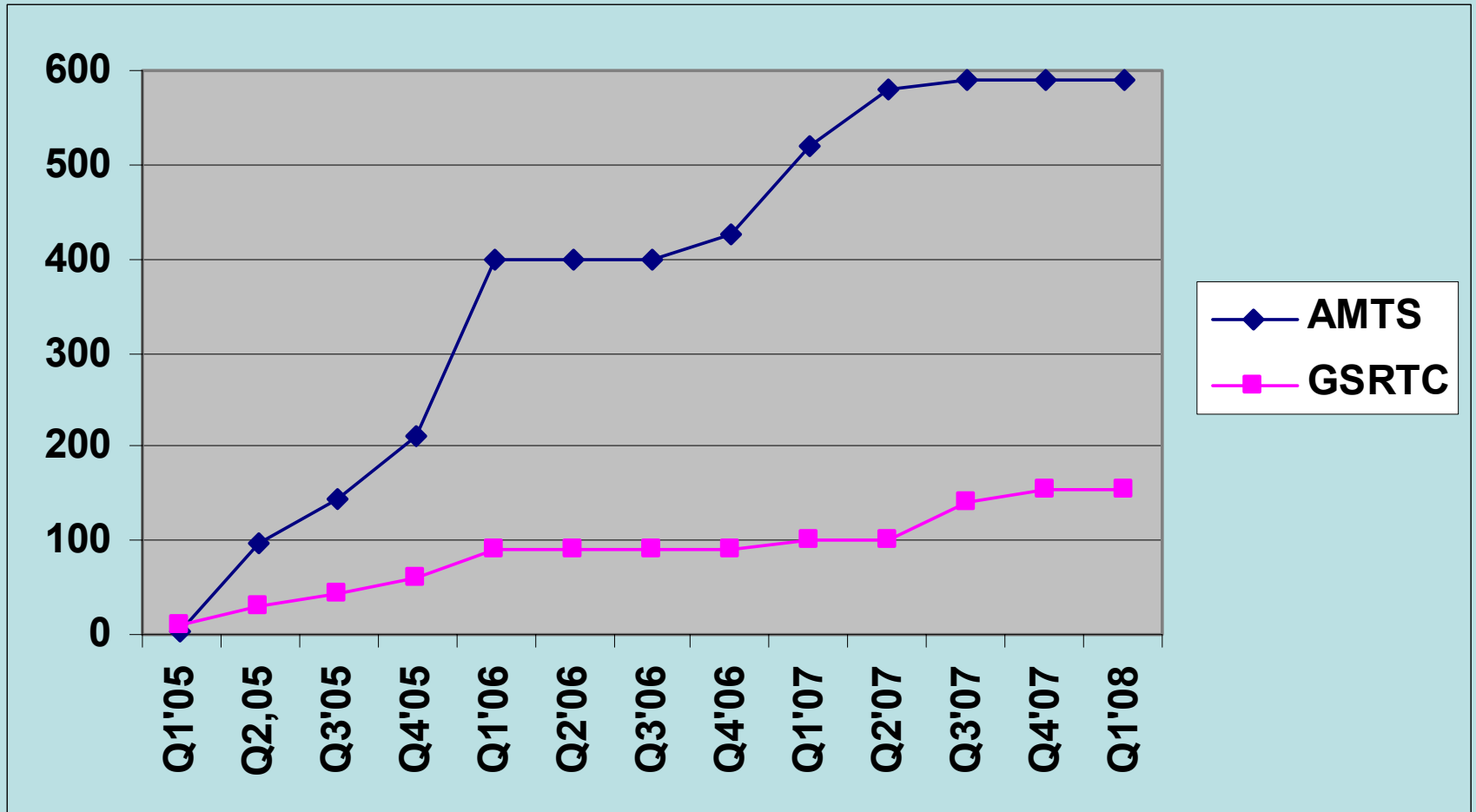


## CNG STATIONS





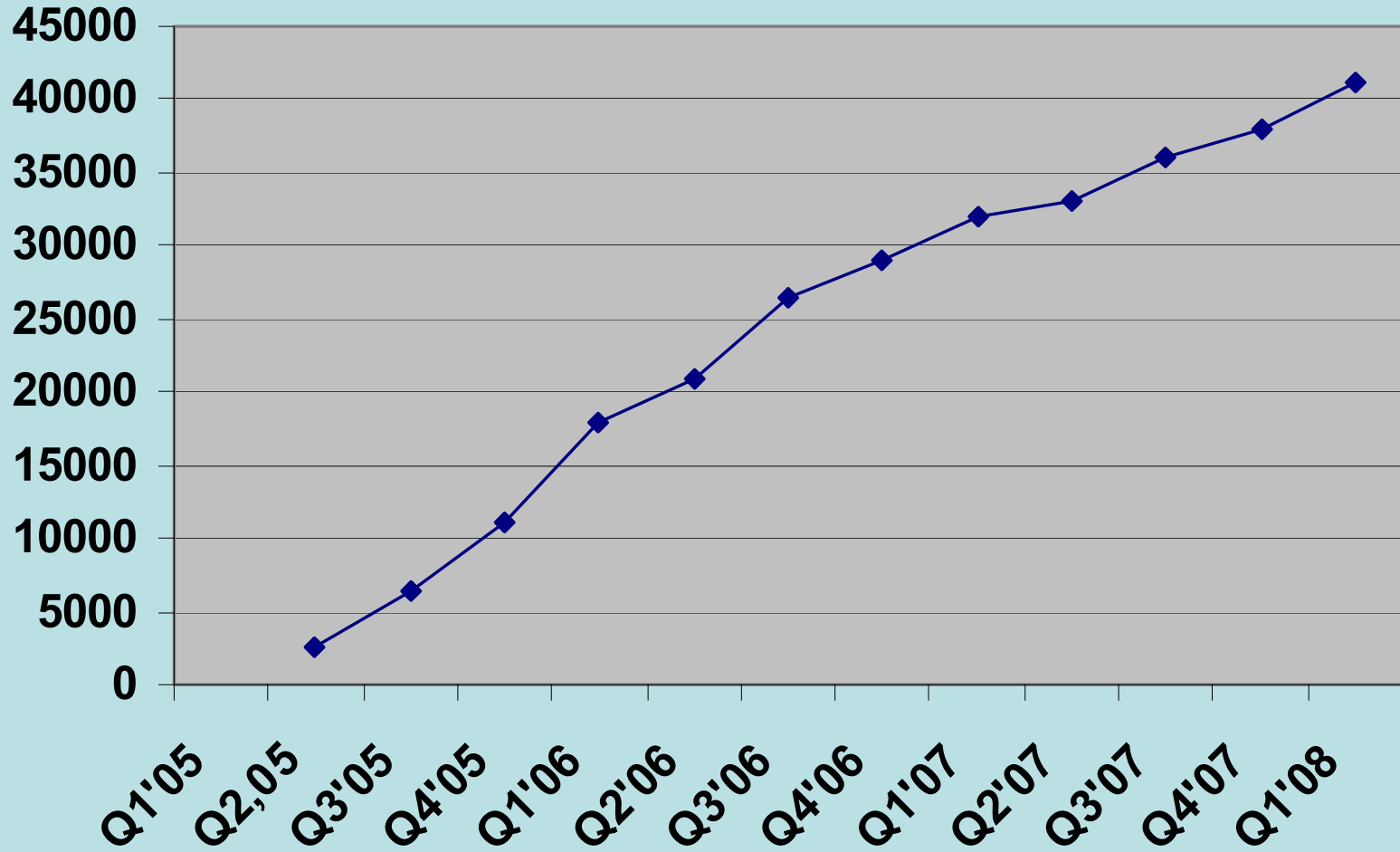
# CNG BUSES



**GSRTC buses run on Ahmedabad –Gandhinagar route, entire fleet is on CNG**



# CNG AUTO RICKSHAWS







# PROGRESS OF BRTS

- **BRTS 12 km Corridor (RTO-Pirana) - 50% completed.**
  - **Status of Three split fly-overs (AUDA):**
    - Shivranjani : 80% complete**
    - Memnagar: 50% complete**
    - Naranpura AEC: 40% complete**
- **Work started on other two routes:**
  - Narol- Naroda, 13.5 km – 5%**
  - Pirana- Danilimda-Narol-Maninagar) 12 km -2%**
- **Work allotted for two other routes:**
  - 132' Ring Road-Vadaj-Delhi Darwaja- 5.5 km**
  - ShahAlam-Sarangpur-Soni ni Chali – 6.0 km**
- **AMC has invited EoI / short listed agencies to operate 50 CNG buses on RTO-Pirana**

# Vehicle Inspection Programme

- 122 PUC centres in Ahmedabad: Petrol:100, Diesel:22
- Vehicles checked in 2007-08: 1,87,286
  - PUC cancelled 2305 cases
- Vehicles found without PUC: 1043
  - Fines collected : Rs. 7.69 lakhs
- PUC centres checked: 122
  - Closed:20, Tech. Operator absent: 11, Computer unit closed:13, Approval cancelled: 01, Units working satisfactorily: 67
- S.G. has decided to go for third party verification of PUC centres.

# Enforcement of Parking Provisions

- Pay-and-Park facility at 12 places
- Detailed studies of Parking Demand on 400 km of major roads/ multiplexes/ malls in progress
- Feasibility of locations for multi-storied parking
- Parking facility within inner city being explored.
- Mandatory Parking area (AUDA)
  - 30% area of permissible FSI for commercial
  - 15% area for residential (flats/ high rise)

# Check on adulteration of fuel, lubricating oil

- Licenses under Lubricating Oil & Greases Order reviewed and being issued with specifications of products
- Total no. of lubricating oil mfg. units - 48
- Total no. of lubricating oil dealers - 996
- Inspection of lub. oil units: 116
- Amount of seizure: Rs. 65.32 lakhs
- Amount confiscated: Rs. 8.23 lakhs
- Prosecution: 4 cases



## **Industrial air pollution**

- **Review meetings were taken by Chairman, GPCB with individual industries and foundry association on**
  - **8/1/2007**
  - **9/4/2007**
  - **6/6/2007**
  - **14/8/2007**
  - **16/8/2007**
  - **20/11/2007**
  - **30/4/2008**
  - **5/7/2008**



## Industrial air pollution

- **Cat-I(a) units :- 32 units,**
  - **ESP installed - 4**
  - **Bag Filters installed - 28 .**
- **Three rounds of monitoring completed**
- **94 samples collected–**
  - **57 found complying**
  - **33 found in range 151-250 mg/Nm<sup>3</sup>**
  - **2 found in range 251-500 mg/Nm<sup>3</sup>**
  - **2 found exceeding 500 mg/Nm<sup>3</sup>**



## **Industrial air pollution**

- **Cat-I (b) (i) units :- 38 units - status was reviewed on 30-04-2008.**
- **The latest progress details :**
  - **Bag Filters commissioned- 16**
  - **Bag Filters under installation - 13**
  - **Units closed - 6**
  - **Other up gradation - 2**
  - **Switch over to NG - 1**



## Industrial air pollution

- **Cat-I (b) (ii) units :- 59 units + additional 8 units - status was reviewed on 5-7-2008.**
- **The latest progress details :**
  - **ESP installed - 1**
  - **Bag Filters commissioned - 7**
  - **Bag Filters under installation - 28**
  - **Units closed - 5**
  - **Other up gradation - 1**
  - **Switch over to NG – 1**
  - **Low capacity boiler, to submit plan - 6**

**It is decided to review status of remaining 18 units separately.**



# **Industrial air pollution**

## **Category – II Foundries**

- **136 units - in process of installing the up graded APCM**
- **Earlier up gradation - deviating from the LDCE recommendation**
- **Units were asked to modify and get it certified by LDCE.**
- **Accordingly 70 units have completed up gradation work**
- **Out of these 55 units have been certified by L.D. College of Engg.**
- **Elimination of fugitive emission from charging door of Cupola furnace results in improvement of working environment.**



# Industrial air pollution

**Category – III Torrent Power Ltd. (Earlier AEC), Sabarmati**

## **Thermal Power Plant**

- **Station C- Installation of additional field and major overhauling of ESP completed.**
- **Station D – Refurbishment of existing fields and Major overhauling of ESP completed**
- **Station E – Major overhauling has been advanced and completed.**
- **Station F – All electrical systems revised and tuned**
- **Latest Stack Emission Reports - PM 50, 60 (St. C) , 142, 96 (St. D), 82, 67 (St. E), 100, 114(St. F) microgram/ Nm<sup>3</sup> respectively**