



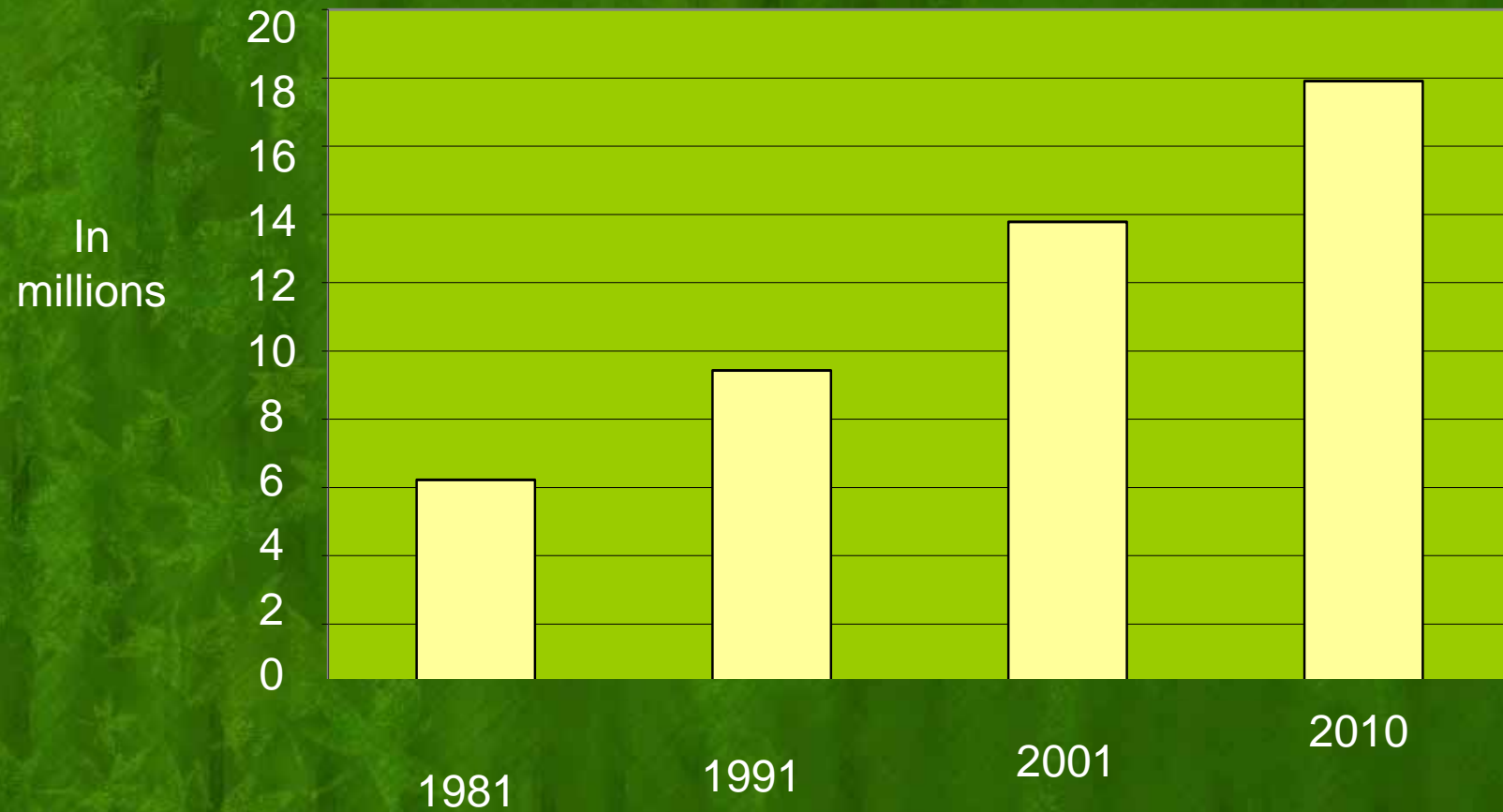
# INITIATIVES TOWARDS GREEN DELHI

# DELHI AT A GLANCE

- Geographical Area -1483sq km
- Current Population -17 million
- Expected population by year 2021 - 22 million (approx.)
- Population density-11,000 people per Sq. Km.
- Migrant Population - About 0.5 million every year
- Industries - Thermal Power Plants and Small Scale Industries.



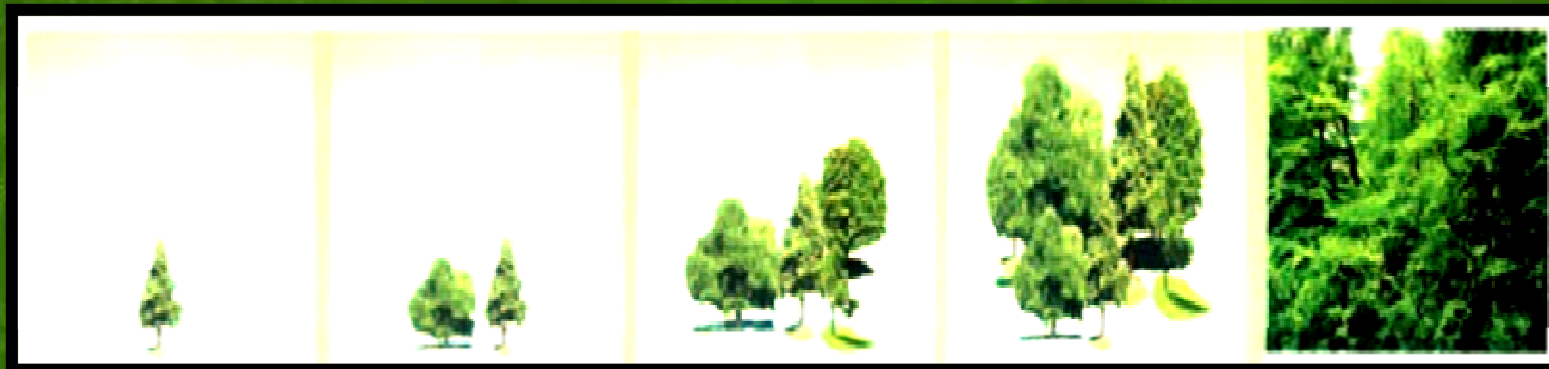
# POPULATION GROWTH OF DELHI



# INCREASING GREEN COVER OF DELHI



30 sq. Km to 300 sq. Km in last 10 years →



# GREEN LANDSCAPE IN DELHI

- 176.58 sq. km. of forest cover
- 123 sq. km. of tree cover
- 40 City Forests
- Ridge Lands
- Urban Forest Tree Plantations
- Agro Forestry System



In 2009, Delhi received Indira Priyadarshini Vriksha Mitra Award from Ministry of Environment & Forests, Govt. of India

# GREENING MISSION

- Achieve 33% of the Geographic Area of Delhi under Forest Cover by 2012.
- Protect and conserve the Forest and Wildlife resources in Delhi.
- Public Private Partnership model for involvement of Stake Holders like ; Resident Welfare Association, Educational Institutions, Students, NGOs, Industries, Farmers, Market Traders Associations etc.. in greening activities.



## ✓ DEVELOPING CITY FORESTS

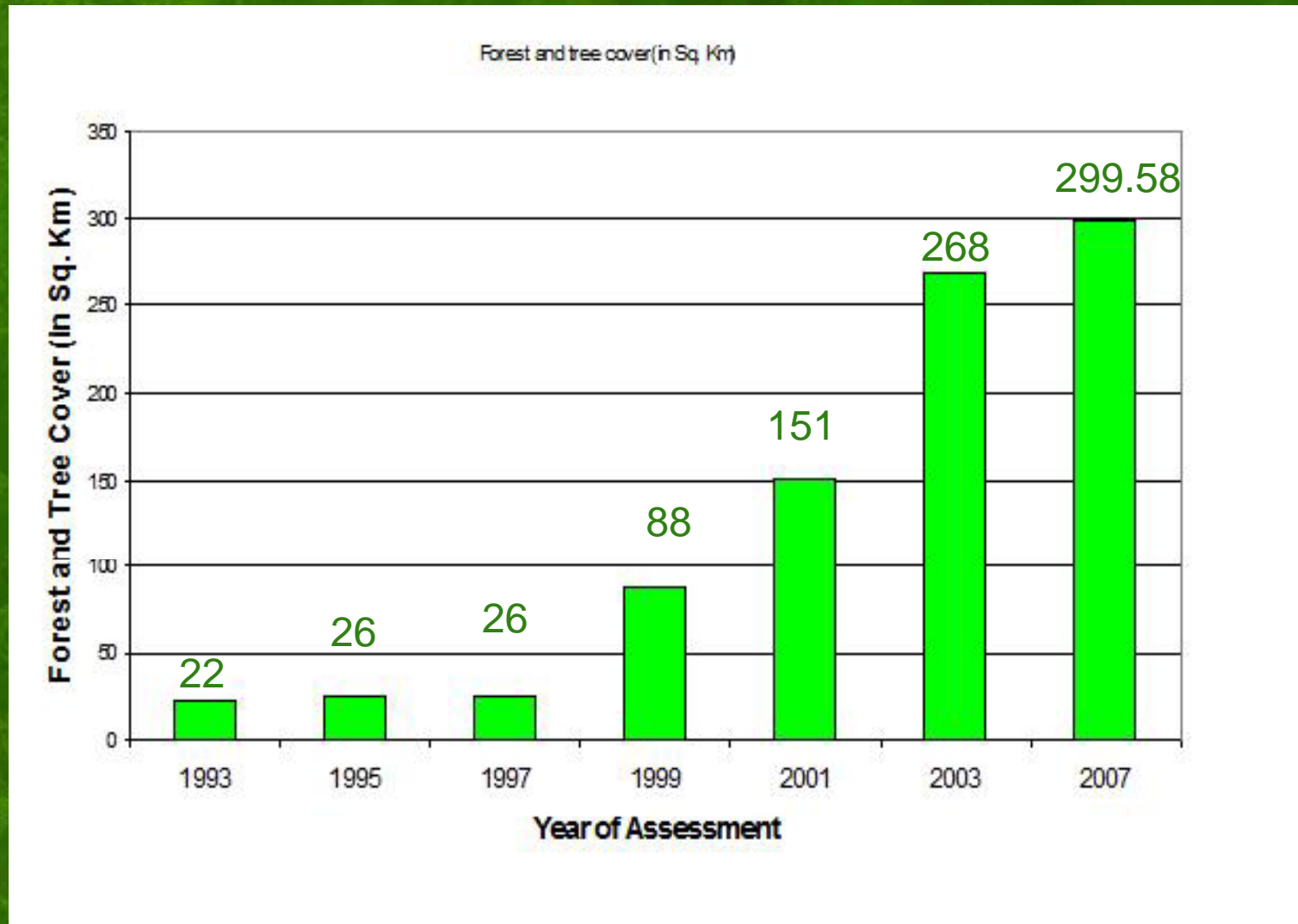
YEAR	NO. OF CITY FORESTS	AREA (in acres)
Before 2007	13	2972.39
2007-2008	9	280.73
2008-2009	9	317.44
2009-2010	9	1000 (approx)
TOTAL	40	4570.56



## AYANAGAR CITY FOREST PLANTATION



# Towards Greener Delhi



# Greening Delhi Action Plan

- ✓ Densification of and enrichment planting in and around the Delhi Ridge, the green lung zone of Delhi,
- ✓ involving citizens of Delhi in make greening a mass movement,
- ✓ ensuring free distribution of seedlings at various locations in Delhi,
- ✓ identification of highly polluted traffic intersections, central verges, roads etc. for priority planting of indigenous plant species suitable for pollution abatement
- ✓ monitoring of post-plantation care such as regular watering, etc. for better survival
- ✓ setting up a dedicated TREE HELPLINE for lodging of complaints regarding illegal felling of trees.

# ✓ Protecting the Delhi Ridge

<b>Northern Ridge</b>	<b>87 Ha</b>
<b>Southern Ridge</b>	<b>6200 Ha</b>
<b>Central Ridge</b>	<b>864 Ha</b>
<b>South Central Ridge</b>	<b>626 Ha</b>



Delhi Ridge as  
Carbon Sink

# ✓ Reclamation of degraded Bhatti Mines

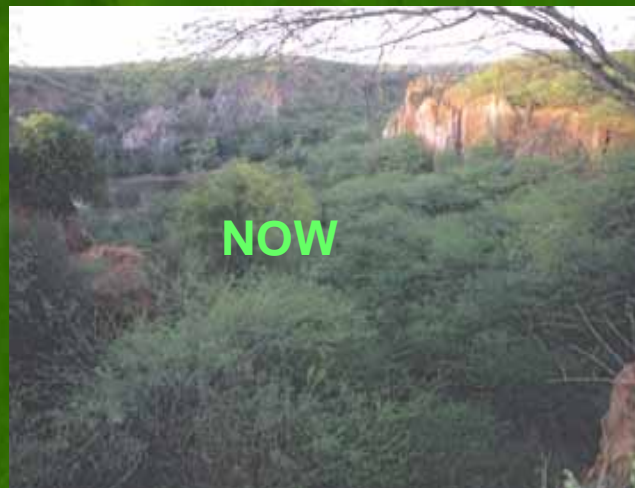
Eco-restoration of degraded Bhatti mines area of Asola Wildlife Sanctuary through Eco-Task Force



2000



2003



NOW

## ✓ Protection of Existing Green Cover and Compensatory Plantation Scheme

- Felling of trees is prohibited in Delhi by the Delhi Preservation of Tree Act, 1994, but cutting of trees is often unavoidable for developmental works.
- In order to compensate the loss of trees felled for various reasons, a mandatory provision for compensatory plantation scheme has been provided in the Act itself.
- As per the act, a compensatory plantation of **10 trees** is mandatory against each tree felled.



# ✓ Greening of Parks and Gardens

- Delhi has more than 15000 parks, which are managed by various government agencies.
- DPGS is providing financial assistance to RWAs/NGOs for maintenance and upkeep of parks & gardens to increase greenery status of Delhi.



# ✓ Forestry support for Conservation of Water Bodies

- Department of Forests & Wildlife provides Afforestation support for conservation of Water Bodies in the Forest land as well as non-forest areas.

- 476 water bodies have been identified and Greening of 80 water bodies in forest land has already been completed.





**INITIATIVES  
TOWARDS CLEANER  
AIR**



# Forestry Support for Pollution Mitigation

- Delhi faces one of the major environmental problems due to high levels of pollution.
- The transport, domestic and industrial sectors are the major contributors to the rise in ambient air pollution levels



## ✓ INITIATIVES BY DELHI GOVT.

- More than 15 year old commercial vehicles are not allowed.
- Entire public transport has been switched over to CNG mode (appx. 130,000).
- Stringent emission norms for industries and thermal power stations.
- Installation of Emission Control Systems in 500 air polluting industrial units.
- Efforts are being made to reduce Sulphur content in Diesel upto 50 PPM (ultra low sulphur diesel) from April 2010.



- Creation of Air Ambience Fund by levying a fee on the sale of diesel at the rate of Re. 0.25 per litre in the NCT of Delhi.

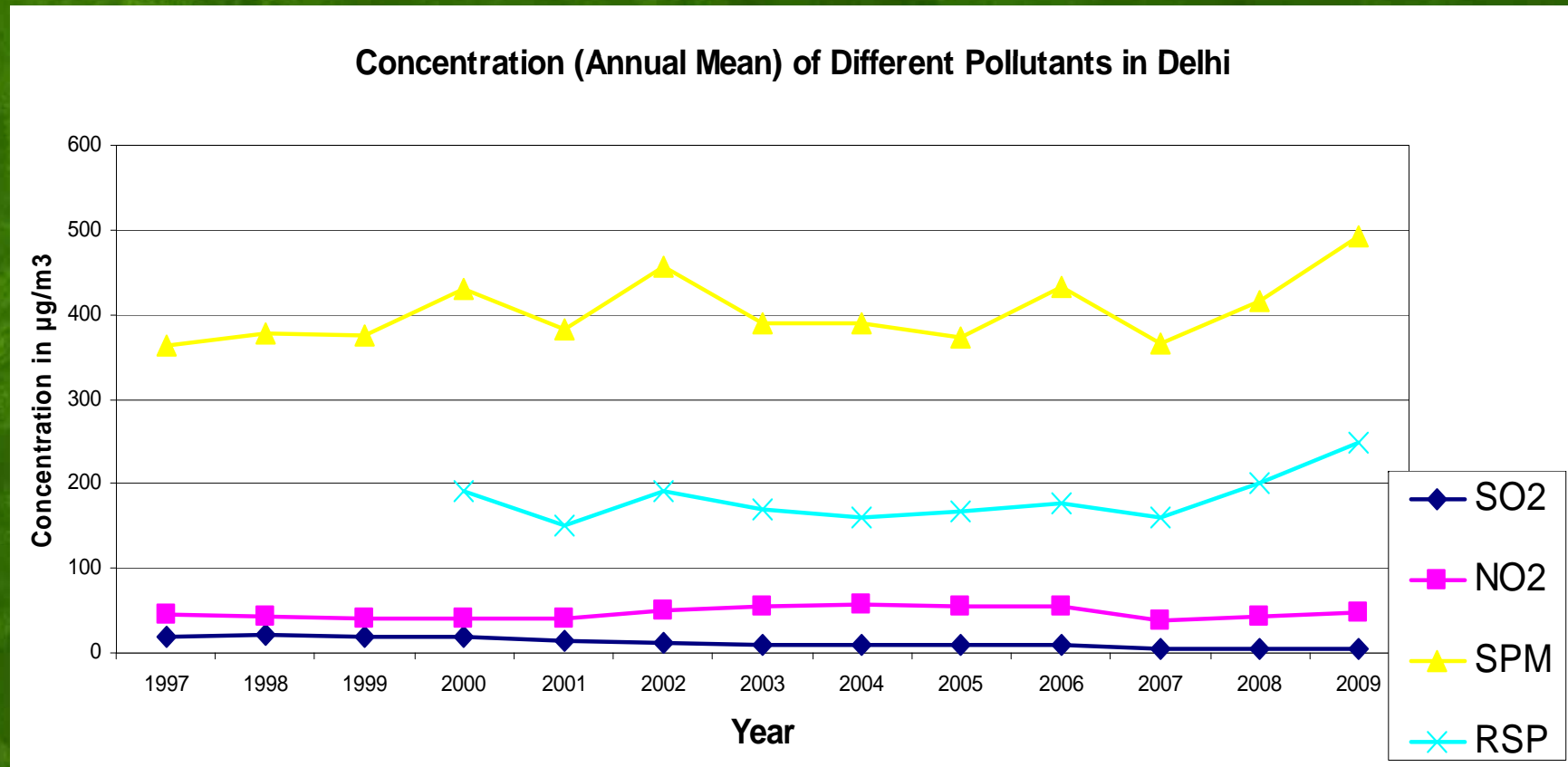
- Use of Battery operated Vehicles is being encouraged by providing concessions upto 29.5%.

  - 40,000 e-Scooters and 200 Reva cars sold till date.

- Public Transport in terms of 190 KM Metro rail already exists.



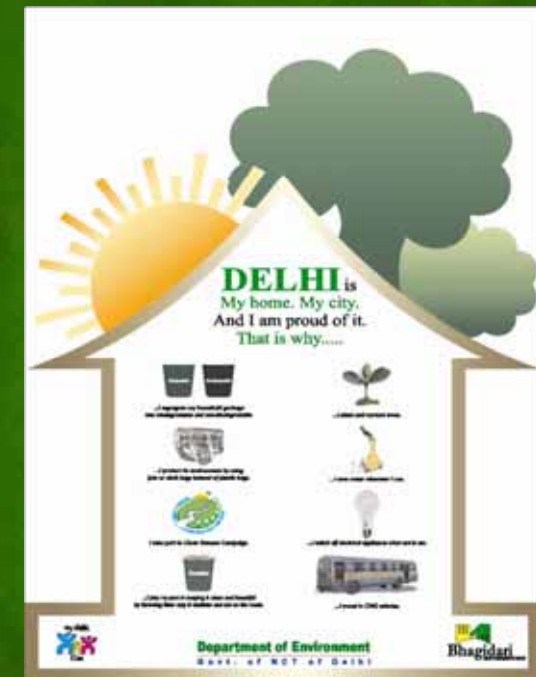
# AMBIENT AIR QUALITY OF THE CITY



Source: Central Pollution Control Board

# ✓ ENVIRONMENTAL CAMPAIGNS:

- ❖ Anti-Littering and Anti Plastic Bag Campaign
- ❖ Waste Minimization & Management
- ❖ Clean Yamuna Campaign
- ❖ Clean City Campaign
- ❖ Anti-Fire Crackers Campaign (on the occasion of Diwali, the Indian festival of lights)
- ❖ Playing Holi Naturally Campaign (on the occasion of Holi, the Indian festival of colour, to discourage use of chemically prepared colours)
- ❖ Prohibiting burning of leaves/garbage campaign,
- ❖ Tree plantation drive



## ✓ Community Participation

- The Government of Delhi initiated the concept of *Bhagidari*, (meaning "Partnership in Governance") to involve the civil society in governance.
- Bhagidari was awarded the prestigious United Nations Public Service Award- 2005 for "Improving Transparency, Accountability and Responsiveness in Public Service".
- Involvement of Eco Clubs, RWAs, Kitchen Garden Associations, in Greening efforts and other environmental campaigns.



## ✓ ECO-CLUB SCHOOLS - Children act as "*Paryavaran Vahinis*"

- A network of about 2500 Eco-Clubs have been set-up in various schools and colleges of Delhi.
- These schools have adopted Best Environment Management Practices at their Schools which include recycling of paper, water conservation, energy conservation, vermi-composting, rain water harvesting and zero waste campaigns. Recycling paper machines have been provided in the lead Eco-Club schools.
- An Annual Eco-Club meet cum exhibition on eco-friendly products is organized every year.





Delhi

2010 Commonwealth Games



THE HOST CITY

