



WELCOME to
Ms. Veena Upadyaya, JS, MoEF

Presentation on
Activities of MPCB



by

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Maharashtra Pollution Control Board
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Perfection of Goal and Objectives!

Vision Statement

“Improvement in Board’s
Functional Efficiency,
Transparency in Operations and
Adequate Response to Growing
Needs of Environmental
Protection and
Sustainable Development
in the State of Maharashtra”





Improved Functional Efficiency

Transparent and speedy operations !

- Fast disposal of consent, authorization, NOC and conducting of public hearing etc.
 - On line monitoring of consent status enabled through website of MPCB
 - Disposal time reduced to average 30 days as against 120 days admissible under the Act!
 - Analysis report within 15 days



Year	Consents / Authorizations (BMW/HWM/MSW/Plastic)
2003-04	9,375
2004-05	12,125
2005-06	12,855





Improved Functional Efficiency

Improvement in Analytical Capabilities !

- Strengthening and Modernization of Central and Regional Laboratories

Year	No. of Samples Analyzed (Air/Water/HW)	Surveillance Visits
2003-04	23,582	16,172
2004-05	25,987	17,033
2005-06	26,115	19,046





Improved Functional Efficiency

Year	Revenue Generated	Pollution load from CETP (COD)	Haz. Waste removed	Hospital waste removed
2003-04	Rs. 22 cr	105,370 MT	15,000 MT	375 MT
2005-06	Rs. 82 cr	36,759 MT	335,245 MT	15482 MT

Through

- Consent fees / Analysis charges
- Cess and Central Assistance
- Enforcement (Levy of fines, waste minimization, cleaner technologies, Forfeiture of bank guarantee)





Improved Functional Efficiency

Judicious use of Punitive Powers !

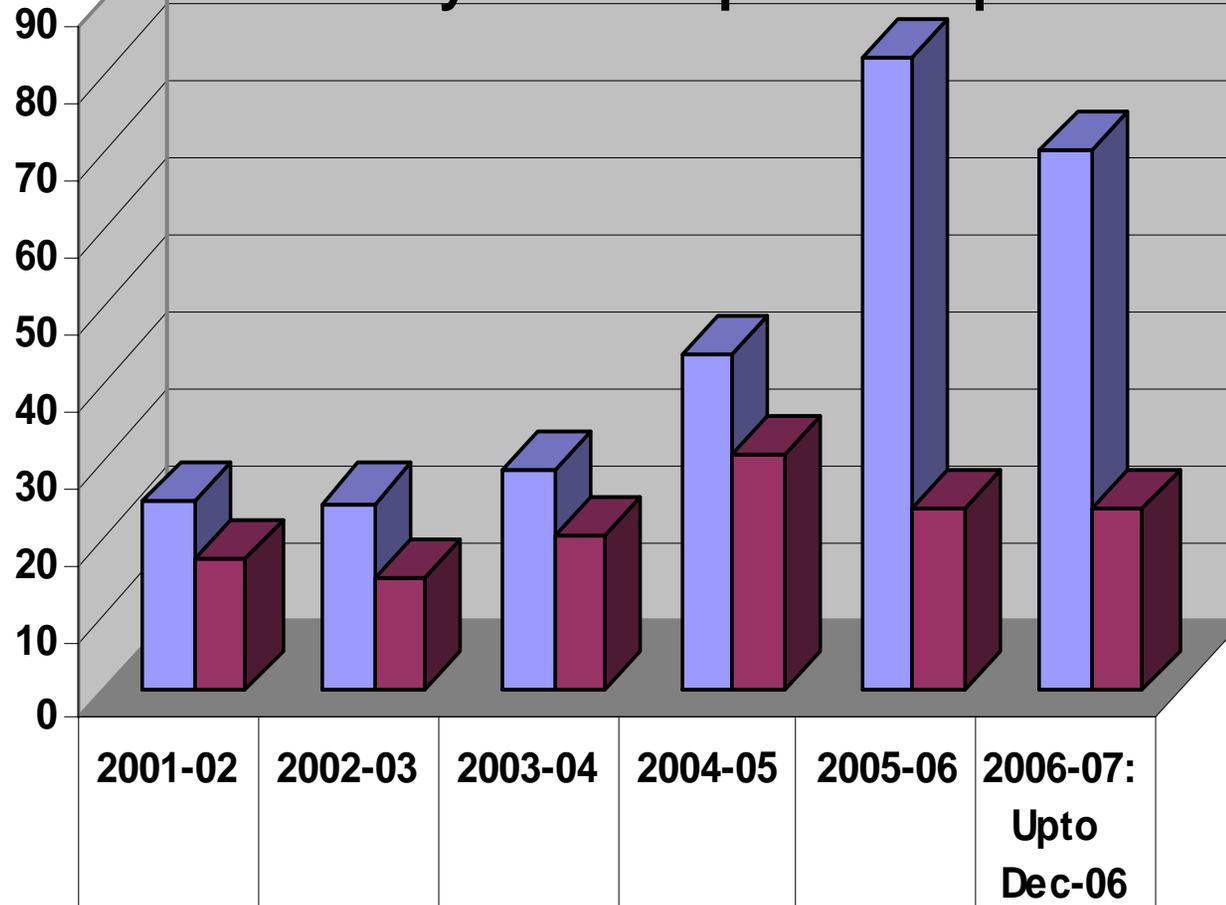
- Accelerated disposal of pending cases:
 - Reduced court cases and Cess appeals
- Minimized filing of new cases in the Court:
 - Improved performance by Industries/CETP
 - Ensured performance through pursuance
- Pro-active actions and positive response to judiciary :
 - Appreciations by Supreme Court, Mumbai High Court, Human Right Commission!
(MSW, HWM, Noise, Kurkumbh, Mill Lands in Mumbai, Mahabaleshwar, etc.)





Summary of Receipt and Expenditure

Amount in Crores Rs.



□ Receipt

■ Expenditure

Financial Year





Response to the Growing Needs!

Improved Infrastructure !

- Environmental Information Centre, Coordination, Redressing of Public Complaints and Environmental Planning
- New Sub-regional offices at Latur, Parbhani, Bhandara and Bhivandi
- New office / lab premises at Mumbai, Kalyan, Nanded, Nashik, Nagpur and Satara
- Refurbishing of Offices / labs at Aurangabad, Nashik, Pune, Nagpur, Chiplun, Kalyan, Kolhapur, Thane, Navi Mumbai, Satara, Nanded, Mumbai
- Construction & furnishing of Central Laboratory at Navi Mumbai

MPCB, Sion, Mumbai



MPCB, Nagpur



MPCB, Kalyan



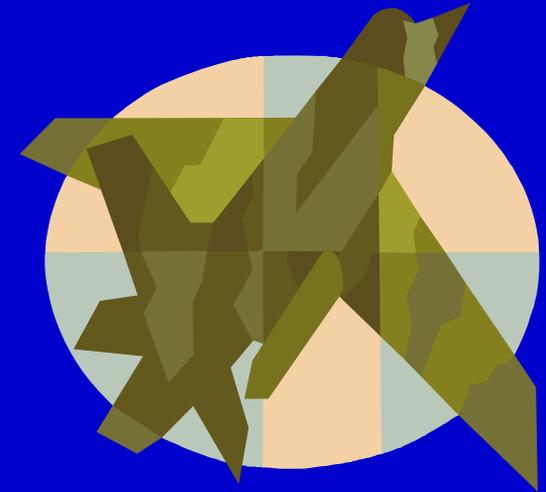


Response to the Growing Needs!

Timely Response!

■ **Office automation**

- All the offices/labs provided with electronic documentation & communication facilities such as computers, internet, electronic data transfer, etc.



■ **Increased mobility & communication**

- Ambient air monitoring vans
- Field equipment, monitoring vans,
- cell phones, bio-monitoring, etc.





Response to the Growing Needs!

Improved Strengths!

- Increased involvement of R&D organizations & Educational Institutes in Research & pollution monitoring activities
 - NAMP/SAAQM
 - GEMS/MINARS
 - Effluent land disposal studies at Butibori (Nagpur) and Waluj (Aurangabad)
 - Air quality trend analysis in Mumbai etc.
- Involvement of experts & private agencies in achieving the specialized tasks
 - Haz. Waste Management
 - Plastics / Electronic Waste
 - Pune, Solapur & Chandrapur Action plans





Aiming at Sustainable Development!

Pollution Awareness and Action !

- Information dissemination through website, print - electronic media, audio-visuals, brochures, posters , banners, etc.
- Interaction with public / NGOs
- Participation at International/ National seminars/workshops
- Campaigns (street plays, short films, jaldindi, mobile exhibitions, rallies, drawing & painting competitions etc.)



Exhibition at Abu-Dhabi



Sensitizing of Print Media!



Maharashtra Pollution Control Board





Aiming at Sustainable Development!

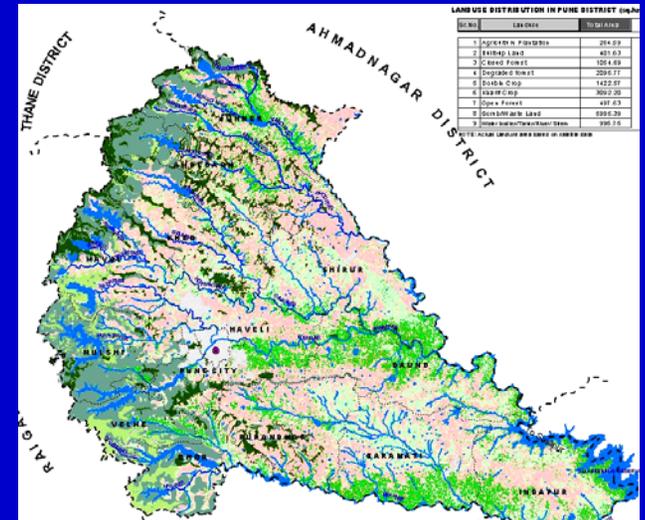
Addressing Public Needs!

Response to the location specific Needs:

- Action plans for control of pollution (Pune, Solapur, Chandrapur)
- Environmental Improvement at Religious Places: PFRs for Alandi and Shirdi
- State of Environment Report (SoER)
- District Environmental Atlas (Pune, Aurangabad & Ratnagiri)



Env. Improvement Plan at Alandi



Landuse Map of Pune Dist.





Municipal Solid Waste (MSW)

- Authorization under MSW Rules : 100%
 - Demonstration projects completed at **Ambad, Sonpeth and Navapur**
 - 90% A Class cities in the process of compliance
 - Total generation 17459 MT/day
 - Prepared model tender document and draft agreement for PPP of MSW projects
-
- Proposed projects at **Gadhinglaj, Pandharpur**
 - Demonstration project at **Jalna sanctioned.**
(Rs. 3 Cr: CPCB 50%, 25% MPCB and 25% JMC)
 - Offering services as **PMC to Aurangabad Municipal corporation**





Bio-Medical Waste (BMW)

- HCEs (10 beds or more) : 10,762
- Total authorizations : 7987
(Increased from 15% - 87%)
- Total common BMW facilities : 34
- Ensured better compliance of CBMWT&D facilities : *Monitoring data available on website*
- Technical guidance to MCGM for setting up of new facilities
- Awareness campaigns & seminars for stake holders





Hazardous Waste (HW)

- Constituted LAECs for HW monitoring at Tarapur & Dombivali
- CHWTSDF at Taloja & TTC made fully operational
- CHWTSDFs in progress at Ranjangaon and Butibori.
- Compiled & Published inventory of HW industries in Maharashtra
- Tracking system for Hazardous Waste (Generation to Disposal)
- On line submission of Returnms
- Lead Acid Battery: Collection & Recycling of used batteries reached to 75% as against 90% envisaged in Rules





CLEAN UP AND DISPOSAL



Final Coating of SLF

29/06/2006



Encapsulation of SLF

25.05.2005 12:43



SLF at Tarapur

25.05.2005 12:43



Illegal Dump Site at Tarapur





Plastic Waste

- Separate Cell is formed for implementation of the Plastic Rules
- 118 units Registered so far.



Electronic Waste

- Pilot study on e-Waste assessment initiated
- UNEP assistance for Mumbai-Pune region.





Common Effluent Treatment Plant

(Under MoEF scheme : 25% MoEF+20% MIDC + 5% MPCB + 15% User industries + 35% Bank Loan)

- CETP at TTC, Mahad, Badlapur, Butibori, Patalganga, Taloja, Dombivali, Chickloli-Morivali, Ambernath Lote Parshuram & Roha operating satisfactorily
- TTC, Taloja & Dombivali - additional capacity installed
- Primary treatment at Tarapur CETP (22 MLD) completed
- Improvement work started at Kurkumbh
- Stringent action against defaulter industries is taken
(Tarapur- 75 nos., Taloja- 58 nos., Dombivali - 287 nos.)





Environment Monitoring



Air

- NAMP: 62 Stations (21 Cities): Target 82
- SAMP: 37 Stations (19 Cities)
- Daily Air Quality is reported on website for 6 cities
- Continuous AQMS - Pune, Mumbai & Solapur
- Continuous AQMS at Mumbai: 16 Stations with health study

Water

- GEMS / MINARS
- 2003-04 : 38 nos.
- 2005-06 : 48 nos.
- Drinking water sources : 20 nos.
- Ground water : 50 Nos. (16 Dist.)
- State Water Quality Monitoring : 132 stations





Improved Efficiency

Areas of Action	Year 2003-2004	Year 2005-2006
Discharge of Industrial water pollution in terms of COD	105,370 MT	36,759 MT (65% reduction)
Industrial Hazardous Waste removed	15,000 MT	335,245 MT
Hospital Waste removed	375 MT	15,482 MT
No. of samples analyzed (Air / Water / Haz. Waste)	23,582	26115
Environmental Surveillance & Monitoring visits	16,172	19,046
No. of Air Quality Monitoring Stations	23	62
No. of Water Quality Monitoring Stations	38	73
Demonstration Projects for Domestic Waste Management completed	Nil	3
No. of Consents granted by Head Office under Water / Air / HW Rules	1866	2834
No. of Authorizations issued to local bodies under MSW Rules	74	248
No. of Authorizations issued under Bio-medical Waste Rules	1639	7987
No. of units covered under CESS Assessment	5684	7272
Revenue generated	Rs. 22 cr	Rs. 82 cr





Mass Awareness

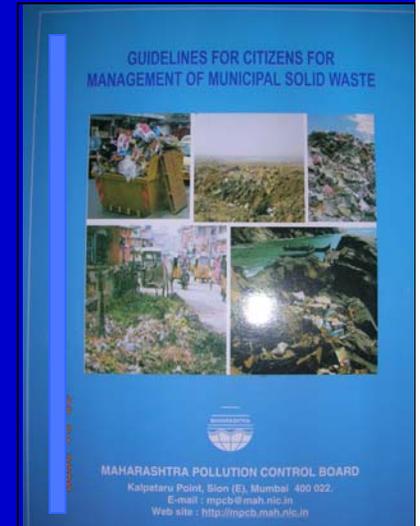
- Daily air quality data on TV & website - 6 cities
- Audio-visuals (CD) and public show on various occasions
- Assistance to feature film 'Chakachak'
- Awareness through ads on TV during Diwali and Holi
- Participation in exhibitions, seminars etc. (Local, State & International level)
- Mass awareness collaborations with NGOs





Publication of Reports

- 📖 Monitoring of Water Quality of Godavari River at Nashik during Kumbh -2005
- 📖 Environment Status Report of Regions (11 nos.)
- 📖 Status of River Water Quality in Maharashtra
- 📖 Report on Pollution Study of Mithi River Basin: 2004 and 2006
- 📖 Report on Construction Projects on Mill Lands in Mumbai
- 📖 Guidelines for Citizens - MSW Management
- 📖 Guidelines for Operation and Maintenance of ETP
- 📖 Guidelines for Management of Spent Mycelium in Bulk Drug Ind.
- 📖 Noise Pollution during Diwali-2005.
- 📖 Env. Improvement at Airoli Creek, Navi Mumbai
- 📖 Hazardous Waste Inventory
- 📖 Manual for Hazardous Waste Management





Institutional Capacity Building

- Re-engineering of internal setup (established sector specific divisions for pollution control implementation)
- Performance evaluation study by CRISIL
- Right-sizing of accounts and administration
- Development of strategic action plan in collaboration with ADB : study by EMC, Mumbai
- Rapid response to public complaints
- Recruitment of reservation quota - 95%
- Provided Rs. 18.0 Cr for employees pension fund
- Employees Medical attendance, education subsidy, canteen subsidy, Study Leave, House Loan, Sports & Cultural Activities, Advance for computer.





Appreciation

- US-AEP - Env. Leadership Award-2005 to Board and Dr. D.B. Boralkar for his outstanding contribution in environmental improvement and quality of life in Asia
- High Court (HC) - Appreciation in Environmental Protection at Mahabaleshwar - Panchgani.
- Supreme Court of India (SCI) - MSW and HWM
- High Court of Mumbai - Mithi River Survey





AGENDA 2007 – 2010

Common Infrastructure for environment protection	<ul style="list-style-type: none">• Setting up SPV to facilitate PPP• Promotion of CETP, CHWTSD, CFBMW
Specific actions for pollution control	<ul style="list-style-type: none">• Implementation of action plans for control of pollution at Chandrapur, Kolhapur, Pune and Solapur.• Sectoral initiatives for sponge iron, induction furnace, coal washeries, pesticides, power plants
Environmental Surveillance and monitoring	<ul style="list-style-type: none">• Setting up of additional continuous air monitoring stations in Mumbai (12), Pune(7), Navi Mumbai (6), Chandrapur (1) and Nagpur (3).• Water quality monitoring stations in the State to be increased (250).• Coastal water quality monitoring twice in a year• Joint vigilance surveillance for monitoring of compliance of environmental standards.• Study of impact of air pollution on health in Mumbai and Pune.• Web based real time availability of industrial emission data• Rationalisation of CAAQMS in Mumbai





Internal capacity building	<ul style="list-style-type: none">• IT Based, online system for issuance of consent, authorization, filing of returns, etc.• Establishment of new Regional Offices at Chandrapur, Nanded, Chiplun and Ports.• Strengthening of infrastructure laboratories for HAP, VOC and calibration of instruments.• Office automation and networking / online accounts]• Training and improvement in service conditions of employees
Public awareness and participation	<ul style="list-style-type: none">• Environmental information kiosk• Web based dissemination of information• Pollution awareness and assistance centre• Campaign through media
Special Projects	<ul style="list-style-type: none">• Environmental improvement at religious places• Finger print analysis and data base for hazardous waste.• Strengthening emergency response centre for chemical accidents. Demonstration projects for MSW, BMW etc.





MoEF Interventions Desired

- Strengthening of SPCB to meet the increasing challenges as per CRISIL report
- Release of cess funds amounting to Rs. 43 cr
- Inclusion of Acid recovery plants, solvent recovery units, multiple effect evaporator and water recycling as elements of CETP
- Training in India and Abroad



Avoid Pollution, Protect Environment!

Thanks!

