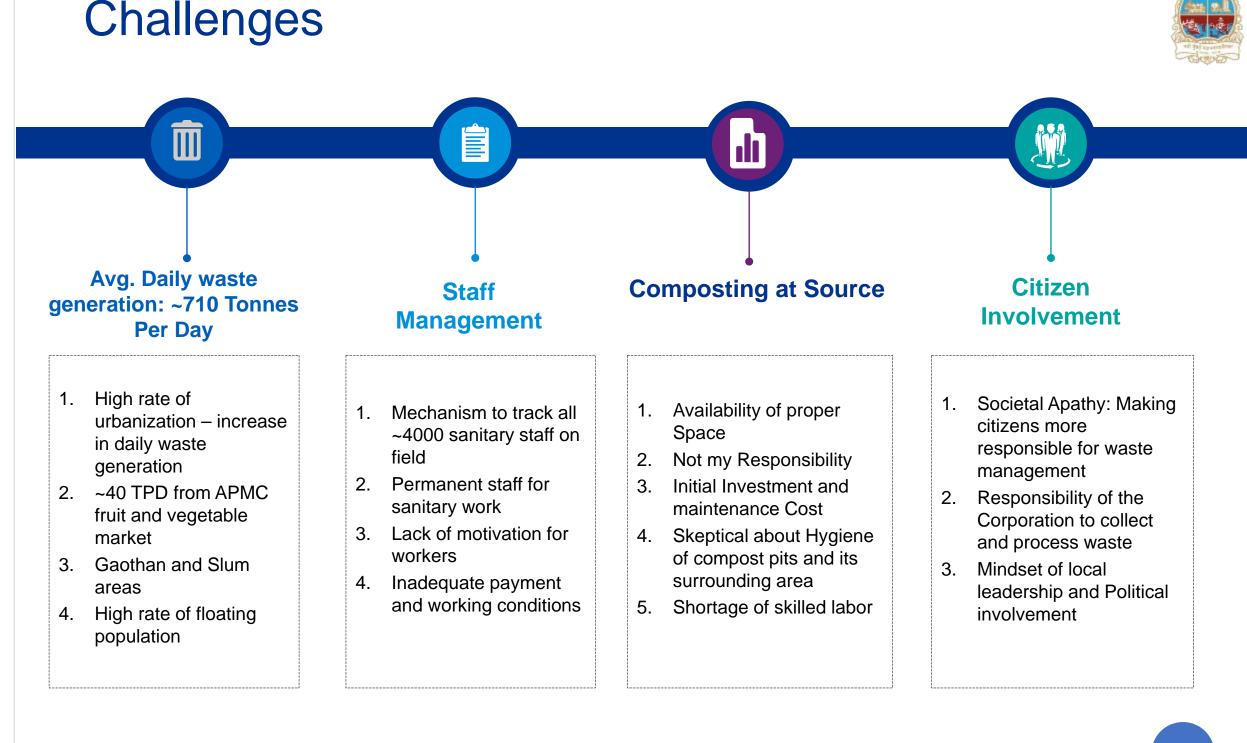
Swachh Navi Mumbai

Sh. Abhijit Bangar (I.A.S.), Municipal Commissioner

Waste Profile of the City (Quantity in TPD)



S. No.	Parameter	Quantity (in TPD)
1	Total waste generated	710
2	Total wet waste collected	325
3	Total dry waste collected	385
4	Quantity of dry waste generated	385
5	Installed capacity of wet waste processing facilities	350
6	Total wet waste actually processed	325
7	Quantity of compost produced	40
8	Quantity of dry waste recycled	250
9	Quantity of non-recyclable dry waste used as RDF in cement plants / WTE/ used for rod construction / converted to fuel	75
10	Quantity of waste sent to landfills	60
Population as per Census 2011: 11,20,547		



Approach and Methodology for SWM





Initiatives taken by city for Increasing Waste Generation



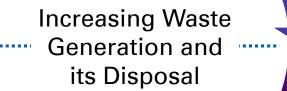
Planning



- City wide area identification of waste generation points
- Outsourcing of Collection, Transportation and Processing at Landfill Site
- 119 vehicles deployed for collection
- 14000+ society and community bins emptied on daily basis
- Separate provision for Biomedical and Hazardous waste

Behavioural Change

- #MyWasteMyResponsiblity
- #MyCityMyPride
- Competition amongst Societies
- Incentivize the flag bearers societies / RWAs for initiatives in managing society waste and keep the surroundings clean



Technological Intervention



- Real time tracking of all vehicles, society and community bins
- One of its kind mechanism for RFID tracking
- CCTV monitoring at Scientific Landfill Site

Sustainability

- Decentralized processing of waste in slums. Zero Waste Slum Model
- Sale of products (Compost and Plastic Granules) from 100% Wet and Dry Waste Processing
- Use of Home Composting for kitchen, terrace gardens
- Waste to Energy Plant at Landfill Site

Initiatives taken by city for Source segregation



Details of Segregated Transportation System

- 1. 100% Collection and Transportation of waste
- 2. Removal of Community / Waste Storage Bins
- 3. Debris on call basis mechanism for the city
- 4. 100% processing of C&D waste
- 5. Special arrangement for transporting Covid Bio-Medical Waste
- 6. Smart Watches to all Sanitary workers and supervisory staff

Business models

- 1. 100% processing is outsourced
- Vendor sells recyclables which adds to the profit
- 3. Involvement of Self Help Groups and NGO's

Waste Processing

- 1. 100% Scientific processing of Dry, Wet, Plastic and Hazardous waste
- Processing of Hazardous Waste is outsourced to M/s Mumbai Waste Management
- Home composting practiced by more than 14000 households
- 4. Large Corporate Parks like Mindspace are processing Wet Waste at source

User charges

- 10% of property Tax has been earmarked for user charges
- Stringent Fine Mechanism for Plastic Waste, Pet dropping, non-segregation of waste, littering, repeat offenders
- 3. Collected 90 lakhs of penalty from Plastic drives

Innovative Initiatives for Waste Reduction measures



Zero Waste Slum Model -Decentralized Collection and Processing of Waste: 4000 households in Indira Nagar Slum and Adavali goan

Greensole Initiative: Collection and refurbishment of old Shoes and provide it to needy

Plastiman Initiative : Collection of small plastic pieces like wrappers etc.

Eco-Friendly Bags made out of Old Sarees

Artifacts made out of Waste Materials

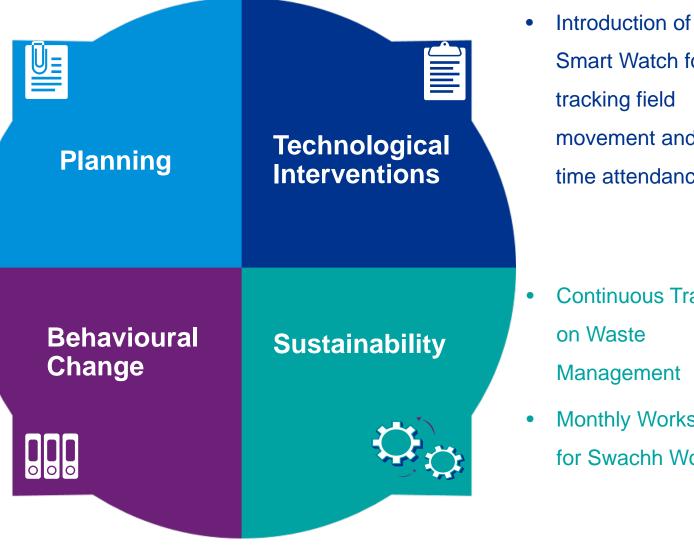
Introduced Nekki ki Deewar Concept in the city



Initiatives taken by city for Staff Management



- Rating Mechanism for all in **Grievance Module** Outsourced the activities like collection & transportation, **Technological** Planning Interventions processing etc Introduction of personal protection equipment in contract of the outsourced agency
- Rewards for Best Driver, Best ۲ Swachh Worker etc.
- Motivation for Swachh Workers by
 - Paying minimum wage and lacksquare
 - Banners of Swachh Workers in all Wards



- Smart Watch for tracking field movement and real time attendance
- Continuous Training Management
- Monthly Workshops for Swachh Workers

Initiatives taken by city for Composting at Source





Initiatives taken by city for Citizen Engagement



Planning

- Short Film Competition
- Society Competitions
- Painting, Rangoli, jingle, slogan Competitions



Behavioral Change

- Mass IEC Activities
- Road Shows
- Swacchata Park for Students IEC
- Workshops for Citizens

Technological Interventions

- Use of SMS Gateway
- Social Media platforms

Benefits accrued to the City



Reduction in Waste: Zero Wet 20% decrease in Waste from 41 Collection and RWAs, 22 Hotels, 6 transportation cost from Zero Waste malls, 115 gardens and 3 Slums Model Additional Due to 100% employment segregated waste, opportunities for Rag High yield Compost Pickers, SHGs in being used in more RWAs, Hotels, Malls than 200 gardens of and Slum areas Navi Mumbai

Benefits accrued to the City



Due to Stringent Involvement of more monitoring and fine mechanism, City than 1 lakh citizens in Swachh Video collected Rs. 90 lakhs as penalty Competition Inculcated change in Engagement of mindset of Citizens more than 1 lakh from *"NOT MY* students monthly **RESPONSILITY**" to through Swachhata *"MY WASTE, MY* Park **RESPONSIBILITY**"















