

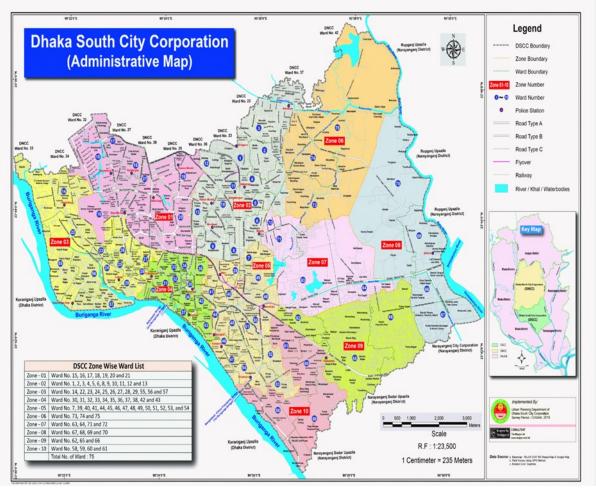
Journey Towards Realization of Clean Dhaka

Presented By:

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DSCC at a Glance from Waste Management Point of View



- Total Area: 109.251 sq. km
- Total population : 6.5 million
- Total administrative zone : 10 nos
- Total ward : 75 nos
- Waste collection point : 132 nos
- Waste handling vehicle & equipment : 328 nos
- Operational Secondary Transfer Station (STS) : 37 nos
- Waste generation per day : 3,200 ton
- Waste generation per capita : 0.56 kg/p/d (approx)
- Moisture Content : 65%-80%
- Waste caloric value : 650-1000 kcal/kg (seasonal)
- Medical waste generation : 13 t/d



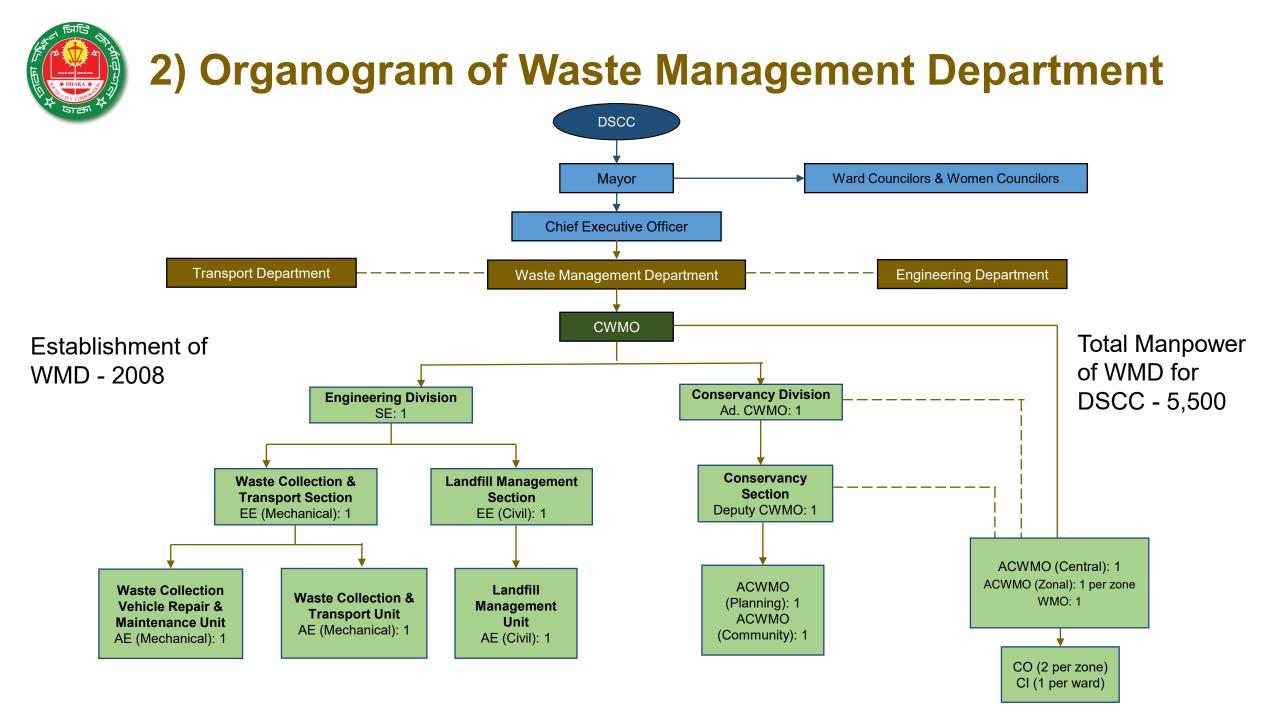
- Formulation of Clean Dhaka Master Plan (2005-2015) and New Clean Dhaka Master Plan (2018-2032)
- Establishment of Waste Management Department (WMD)
- Community engagement through Ward Based Approach (WBA)
- Improvement of **collection system**
- Turning the open dumping to **Sanitary Landfill**
- Preparation of action plan for '**3R**' strategies through pilot project

1. Master Plan with the Support of JICA

Preparation of "Clean Dhaka Master Plan" from 2003 to 2006

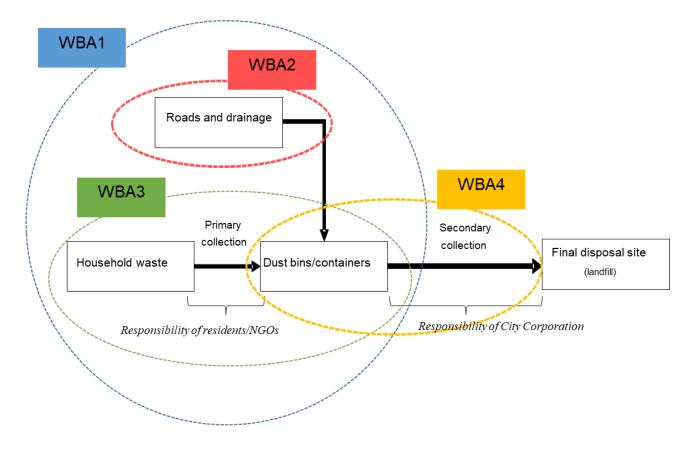
- Target Year : 2005 2015 (for 10 years)
- Concept of MP : Establishment of proper collection and disposal system







3) Ward-Based Approach (WBA)







WBA 1



WBA 3

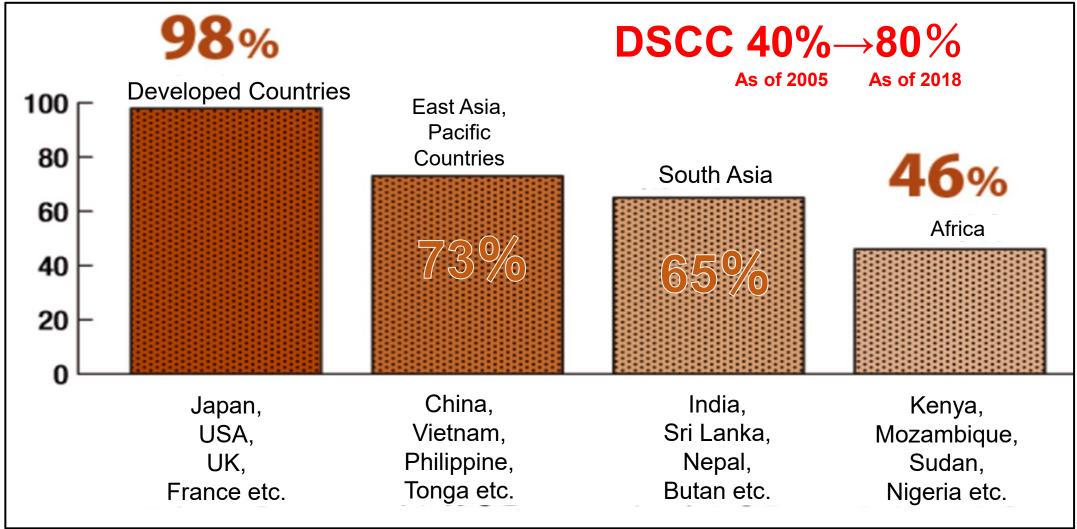


WBA 4



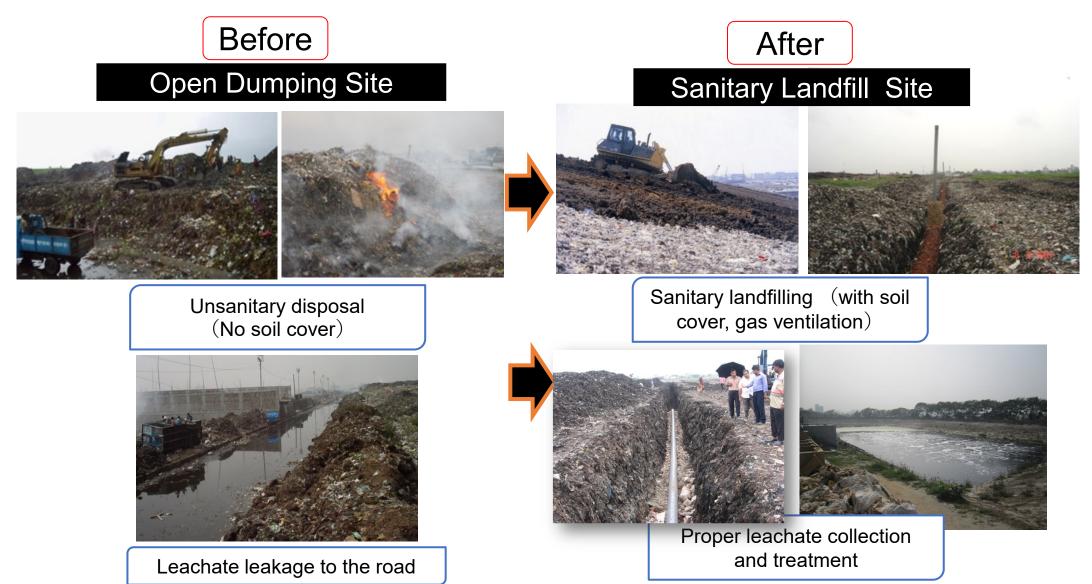
4) Improvement of Waste Collection

Waste collection rate by region



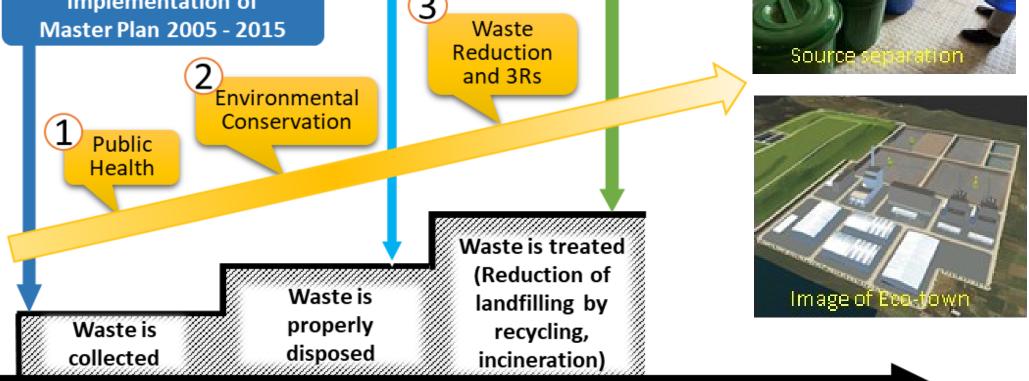


5) Improvement of Existing landfill Site



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•Community engagement through WBA

Digital Monitoring / Supervision of Cleaners' Activities

- Wireless Communication
- WhatsApp Group Monitoring
- Facebook live monitoring
- DSCC Website for receiving complain <u>www.dscc.gov.bd</u>
- City surveillance 24/7 Facebook group





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•Community engagement through WBA

- Digital Monitoring / Supervision of Cleaners' Activities
- Enhanced public awareness campaign



Community based approach under moto

"My Environment, I am also responsible" at Dhanmondi Miking, Leaflet distribution & Rally

Community's Meeting





•Community engagement through WBA

Digital Monitoring / Supervision of Cleaners' Activities

• Enhanced public awareness campaign



Regular monthly coordination meeting with Conservancy Officials



Speech for cleaners



New Waste Collection Vehicle



Recognition of Best CI

Periodical instructional meeting with cleaners; cleaners' welfare, accommodation & group insurance





- •Community engagement through WBA
- Digital Monitoring / Supervision of Cleaners' Activities
- Enhanced public awareness campaign
- Provision of ward based single Primary Collection Service Provider (PCSP) and STS
- Maintaining weigh scale for digital waste data collection
- Land acquisition and land uses planning s done for expansion of existing landfill
- Piloting of 3R activities
- Outsourcing of Medical Waste Management
- Canal cleaning activities are on going



- Lack of available land for secondary collection point and landfill site
- Insufficient budget allocation from both DSCC & govt for development and O&M of WM activities
- Newly added 18 wards is a new challenge due to insufficient vehicle, equipment, infrastructure and manpower
- Difficulties in awareness build-up regarding the importance of safety tools and ensuring proper use of those



- Lack of proper studies and expertizes, investors in wmgt sectors to introduce intermediate treatment facilities (i.e: Incineration plant, RDF, SRF, Bio-gas, Fertilizer, Eco-town, 3R etc.)
- Sensitization and participation of city dwellers in SWM is challenging
- Importance of Municipal Waste Management is not addressed in urban planning master plan
- Encroachment of rivers, canals and box-culverts cleaning and restoration are most difficult



Thank You