



SWACHH BHARAT MISSION-URBAN (SBM-U) AND NATIONAL POLICY ON FAECAL SLUDGE AND SEPTAGE MANAGEMENT (FSSM)

6th International Workshop on Decentralized Domestic Wastewater Treatment in Asia

19th September 2018, Tokyo, Japan

Presenter

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India-Urban Demographics

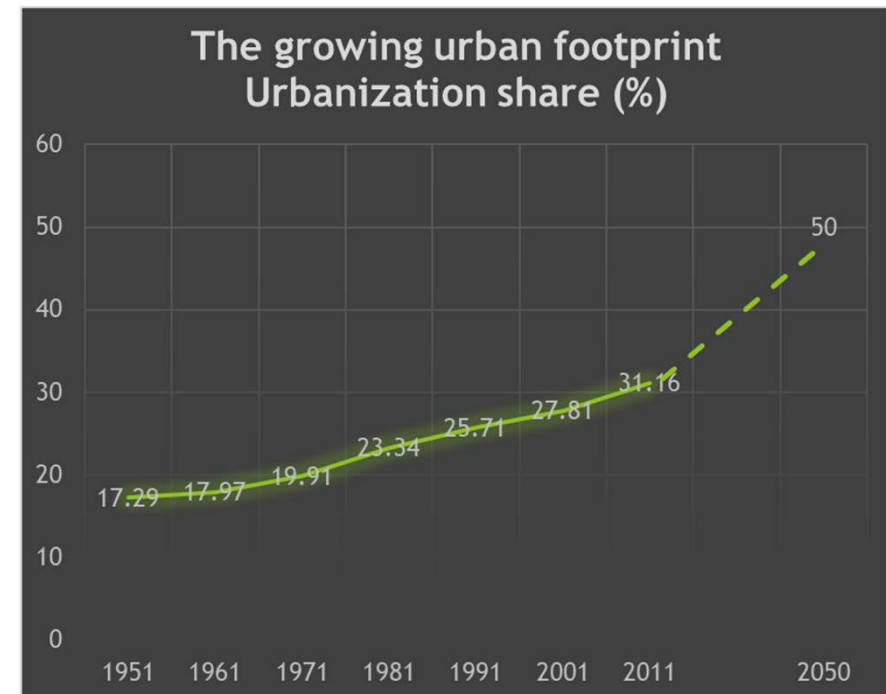
4041 Cities/towns

31.2 %

i.e. 377 million of
India's total
population lives in
towns

42.62 %

Lives in 53 metros
having million plus
population



Net decadal urban growth more than rural growth

Urban Sanitation Status in India

1

India has a 3 Tier Government- Divided into Centre, State, ULBs Water, Sanitation & Hygiene (WASH) is a state subject

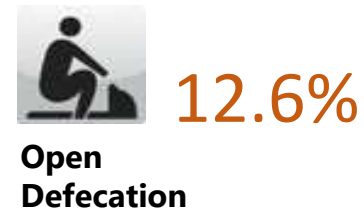
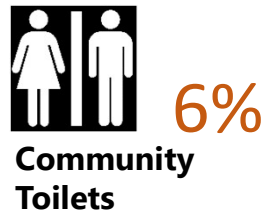
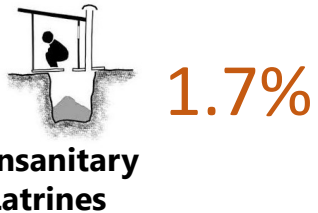
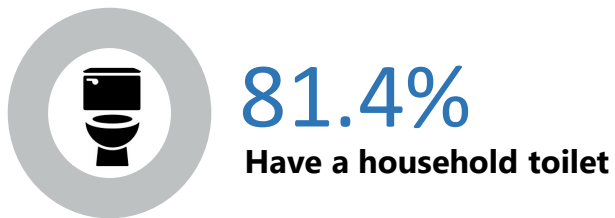
2

States have the responsibility to plan, design and implement WATSAN projects including the O&M and cost recovery

3

At the Central level, MoHUA is the Nodal Ministry for urban WATSAN Sector. CPHEEO acts as an Advisory body to handhold States by way of technical advice, guidelines, scrutiny and appraisal of schemes and propagation of new technologies in the field of water supply and sanitation including CPHEEO also supports the Ministry in policy formulation and CPHEEO plays a vital role in processing the schemes posed for Bilateral and Multilateral funding agencies such as World Bank / JICA/ ADB/ KfW/ AfD and other external funding agencies. to formulate policy guidelines & programs and provide technical assistance to the State Governments.

Urban Sanitation Status in India



Safe Disposal **31%**

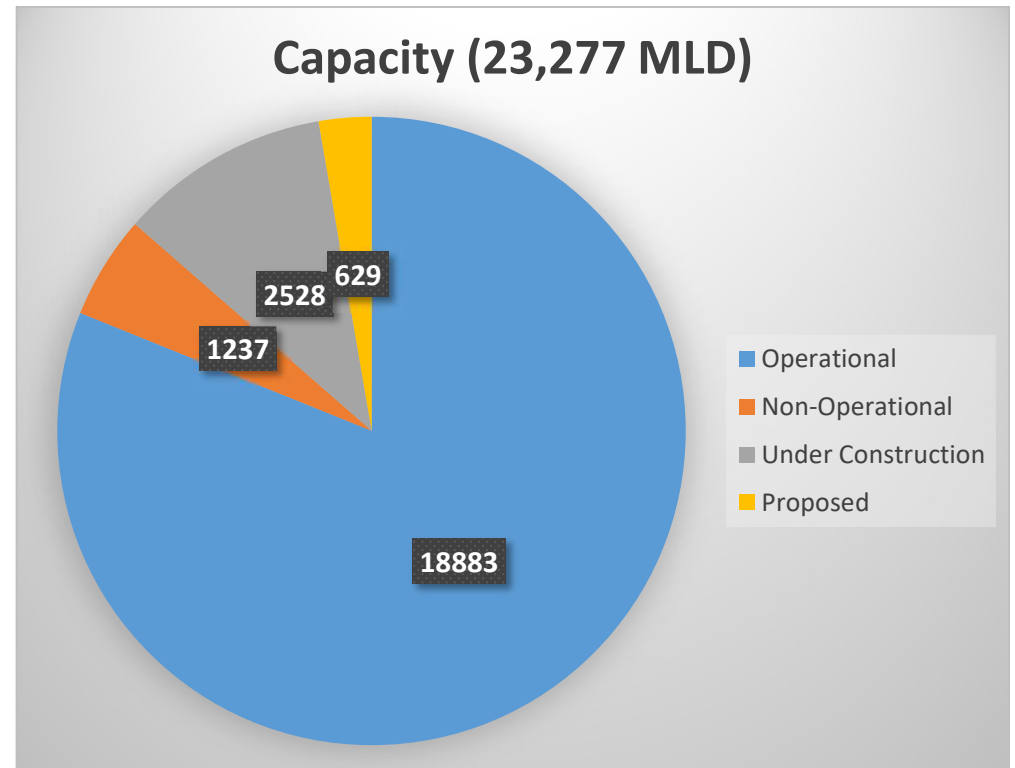
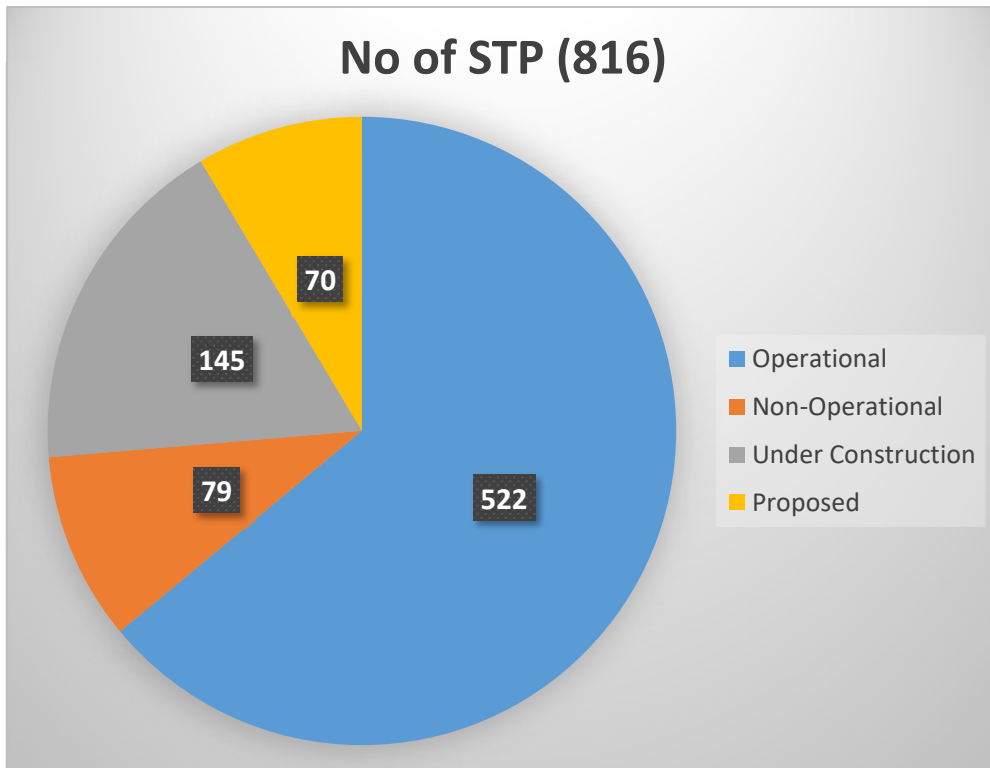
11467 MLD out of 38,254 MLD from Class I&II towns)

Unsafe Disposal **69 %**

*Figures as per Census 2011

Sewage Generation & Treatment Capacity

According to CPCB (2014 -15) study in 36 States/UTs of India, the sewage generation is about 61,948 MLD

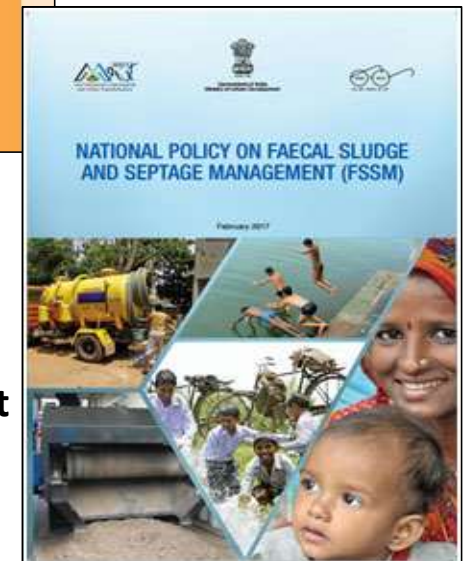


MoHUA Initiatives for FSSM

- More than **30 million households depend on septic tanks** (Census 2011)
- **Advisory Note on Septage Management in Urban India** was published in 2013.
- **National policy on faecal sludge and septage management (FSSM) policy** was launched in 2017.
- **Notification of State level policy for FSSM** was one of the milestone for getting reform incentives under AMRUT for FY 2016-17. As per TCPO, **19 States have adopted State level FSSM policies.**
- **Septage management plans** are being developed by cities. **Operational Guidelines on FSSM** developed
- **RFPs/EOIs issued for construction of Faecal Sludge Treatment Plants (FSTPs).**
- Swachh Survekshan 2018 and **Swachh Survekshan 2019 there are indicators on FSSM.**
- **ODF++ protocol**



Advisory on Septage Management



National policy on faecal sludge and septage management (FSSM) policy

Swachh Bharat Mission-Urban



Major Objectives

Eradication of Open Defecation in all 4041 Statutory towns

100% Scientific Solid Waste Management in all 4041 Statutory towns

Implementation Components

Individual household toilets
Community toilets/Public toilets
Solid waste management

0.66 crore IHHL
5 lakh CT/PT seats

Information, Education and Communication (IEC)
Capacity Building (CB)

Awareness
Outreach
Advocacy

Achievements under the mission



1745 cities have been certified as Open Defecation Free



Safe Sanitation
Nearly **5.8 million** IHHL constructed



Accessible Sanitation
Nearly **0.43 million** CT/PT seats built/ under construction



Safe collection of MSW
Over **79%** urban wards have 100% Door to Door Collection



Waste to Energy
Current Production of **88.5 MW**



Waste to Compost
Production **3.7 million MT/Y**



Waste Processing
Over **35%** waste processed

Policy Interventions

- The Ministry of Environment, Forests and Climate Change (MoEFCC) has issued the **Solid Waste Management Rules, 2016** covering collection, transportation and processing of waste
- **35% provided as Viability Gap Funding/Grant by Government of India for all Solid Waste management projects**

Waste to Compost

- M/o Chemicals & Fertilizers has notified policy on promotion of City Compost providing Market Development Assistance of Rs. 1,500 per tonne to fertilizer companies/ ULBs/Compost manufacturers

Waste to Energy

- M/o Power has revised the Tariff Policy 2006 under the Indian Electricity Act, 2003, making it mandatory for State DISCOMS to purchase power from Waste-to-Energy plants.
- Central Electricity Regulatory Commission (CERC) has notified Generic tariff for Waste-to-Energy at Rs. 7.04 per unit and for RDF (Refuse Derived Fuel) at Rs. 7.90 per unit

Plastics in Road Construction

- M/o Road Transport and Highways has notified use of plastic waste in bituminous mixes in construction of National highways


C&D Waste Management

- Central Public Works Dept. has notified mandatory use of recycled portions of C&D Waste in construction activities, if the same is available within 100 kms. of the construction site.

Waste water treatment


- Measure taken for utilization of tertiary treated waste water from sewage treatment plant in the thermal power station situated within the distance of 50 km.


Other Initiatives

 **ODF+ and ODF++ Protocols** focus on sustaining ODF outcomes and achieving holistic sanitation. ODF+ protocol focuses on maintenance of community and public toilets, and ODF++ protocol focuses on faecal sludge and septage management.

 **Star Rating Protocol for Garbage Free Cities**

 **'DPR planning Tool'** to assist ULBs to select best technology for processing of their waste

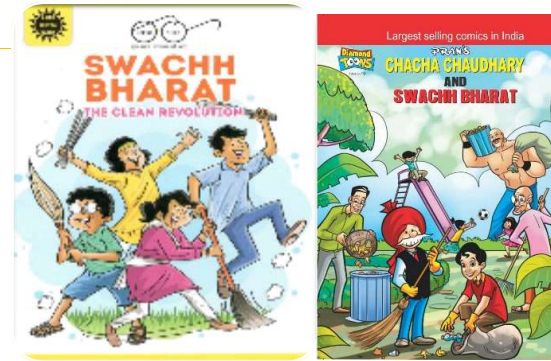
 **Development of Technical advisories** to build the capacities of States/ULBs.
(Waste to wealth, Decentralised Methods of Composting, Advisory on Bulk Waste Generators, Standard Operating Procedures for Swachh Neighbourhood, Swachh RWAs, Swachh Parks, Swachh Offices, etc)

 **Mobile Fertilizer Management System (mFMS)** has recorded 3.94 lakh tonnes of production of compost and 1.61 lakh Tonnes of sale of compost in the last one year

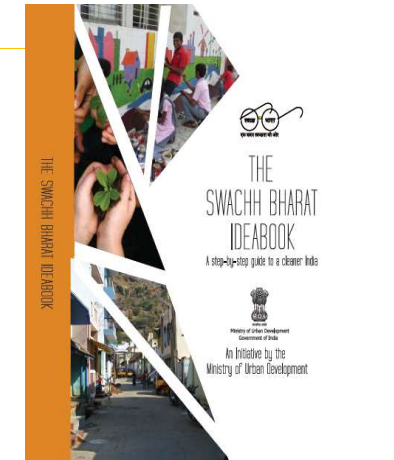
IEC & Behaviour Change Initiatives



Asli Tarakki Campaign



Partnership with comics book publishers



Swachh Bharat Idea Book



Developing creatives for national dissemination



Regular triggering exercises for swachhagrahi selection



Celebrities for national campaigns



Engaging SHGs



National Student Engagement campaign

Capacity Building Initiatives under SBM

Technical Advisories & Standard Operating Procedures



E-Learning

E-learning Courses Available

21

August 2015

145

As on date

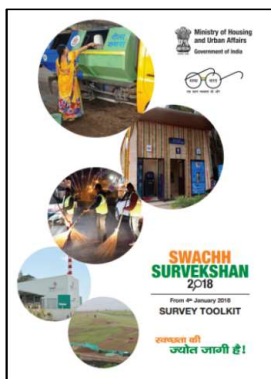
6.06 lakh
Course
Certifications
across India

Swachh Survekshan

GOVERNMENT OF INDIA
INITIATIVES ON
SANITATION

Swachh Survekshan

– Competitive framework for evaluating progress and expediting efforts



- City ranking survey on mission-related parameters, to foster competition among cities as well as monitor progress under the mission,
- First ever Pan India Sanitation Survey impacting around 40 crore citizens
- Largest ever sanitation survey in the world

Survey methodology

1

ULB documentation

2

Independent observation and verification

3

Citizen feedback

SS - 2016

SS - 2017

SS - 2018

SS - 2019

73 Cities

With Million+ population and State Capitals

434 Cities

With 1 Lakh+ Population and State Capitals

4203 cities

All Cities

Thank You

