



महिला
عورت




OFFICE

“हमारा शौचालय”
“HAMARA SHOUCHALAY”
* सभ्यता देकर सारा दिन व्यवहार करें * शौचालय
गंदा करना सख्त मना है * उधार सख्ती से मना है
पैखाना करते समय धूम्रपान/गुटखा स्वाकर थकना
मना है * गंदा करने वाले से ही गंदगी साफ कराया जायेगा
* एक रुपय में दो किपुआरन उपयोग करें *
* पातल गंदे * पातल कूड़े *
सख्त मना है * * पातल कूड़े *
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सख्त मना है * * पातल कूड़े *

COMMUNITY SANITARY COMPLEX
AN INITIATIVE OF
CESC LIMITED
INSPECTED BY
WATER FOR PEOPLE INDIA TRUST
SUPPORTED BY
TITAGARH MUNICIPALITY
INAUGURATED ON 15.07.2015

कुपन खिडकी
کوپن خدیکی

 Water For People - India:
ROLE OF NGOs IN
URBAN SANITATION
SuSanA India Chapter
SANIVATION 2017, Pune



URBAN SANITATION OBJECTIVES - SBM

- Elimination of **open defecation**
- To effect **behavioral change** regarding healthy sanitation practices
- Generate awareness about sanitation and **its linkage with public health**
- Eradication of **Manual Scavenging**
- Modern and Scientific Municipal **Solid Waste Management**
- **Capacity Augmentation for Urban Local Bodies(ULBs)** to create an enabling environment for private sector participation in Capex (capital expenditure) and Opex (operation and maintenance)

ROLE OF NGOs IN URBAN SANITATION

Demand Led Sanitation

- **Inspire – Activate – Sustain**
 - Demand generation
 - Use innovative approaches, like social arts and combining these with inter-personal communication
 - Positively influence behaviours around sanitation coverage and usage.
- **Reaching Everyone Forever in Institutions:** Safe access to WASH facilities in public institutions (health centres, schools and functional community toilets)

Strengthen Supply Chain

- **Market Development Approaches (and access to Government provisions)**
- Complement demand with access to government provisions (access to incentives)
- Innovations and collaboration for the expansion of the market for sanitation goods and services.

Business Models for safe resource recovery and reuse

- Faecal Sludge Management, Solid Waste Management
- Testing technologies and exploring business models throughout the sanitation value chain to turn waste into valuable resources, leading to both environmental and livelihood improvements.
- Resource recovery and safe reuse (RR&R) solutions viable at scale and protective of public health.

Enabling Environment:

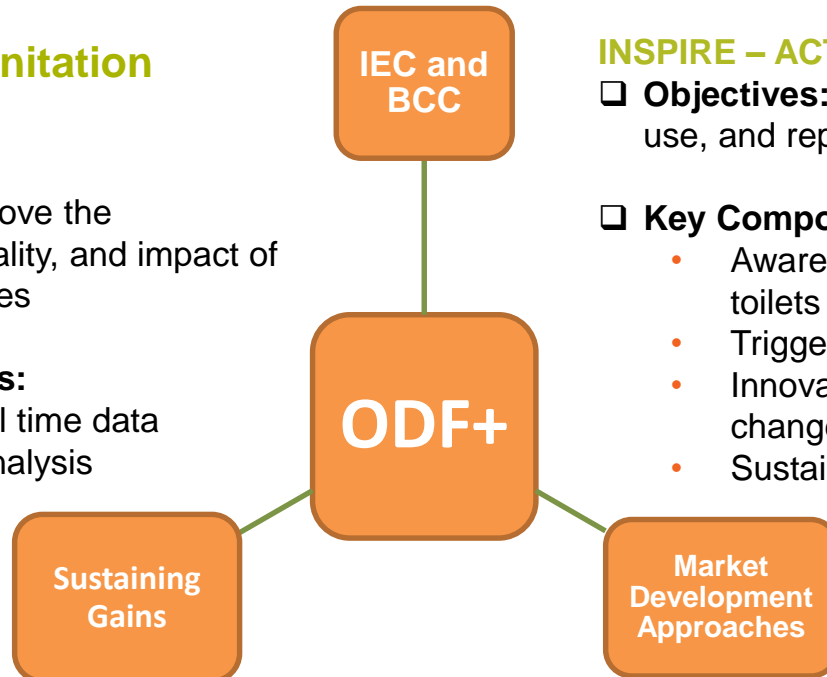
- Capacity Building
- Incubation (Innovations, entrepreneurial models)
- Guidelines and SOPs
- Influencing policies and government programs; public-private partnerships

ELIMINATION OF OPEN DEFECATION

Demand Led Sanitation

MONITORING

- ❑ **Objectives:** Improve the effectiveness, quality, and impact of sanitation initiatives
- ❑ **Key Components:**
 - Global MIS - real time data collection and analysis



INSPIRE – ACTIVATE – SUSTAIN

- ❑ **Objectives:** Contextual, innovative, easy to understand, use, and replicable IEC and behavior change.
- ❑ **Key Components:**
 - Awareness generation for demand and usage of toilets
 - Triggering of communities towards sanitation goals.
 - Innovative tools used for sustained behavior change amongst communities and school children.
 - Sustained positive WASH behavior.

MARKET DEVELOPMENT APPROACHES

- ❑ **Objectives:** Scale testing of rural latrine building approaches
- ❑ **Key Components:**
 - Capacity building of private sector/ FPOs: Business Development
 - Purchase (PoPs), (FPOs) and Self Help Groups (SHGs)
 - Linkage for financial support through MFI loans.
 - Technical support through innovations in toilet design

ELIMINATION OF OPEN DEFECATION

Inspire – Activate – Sustain



Field Facilitators
Training



Triggering activities



Street theatre in schools



Screening of films in
communities



Field Facilitator during IPC



Multi-disciplinary shows

Inspire – Activate – Sustain

❑ **Objectives:** Contextual, innovative, easy to understand, use, and replicable IEC and behavior change.

❑ **Key Components:**

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ELIMINATION OF OPEN DEFECACTION

Market Development Approaches



A Point of Purchase



Consumers at the PoP



Mason training on toilet construction



Cement ring manufacturing



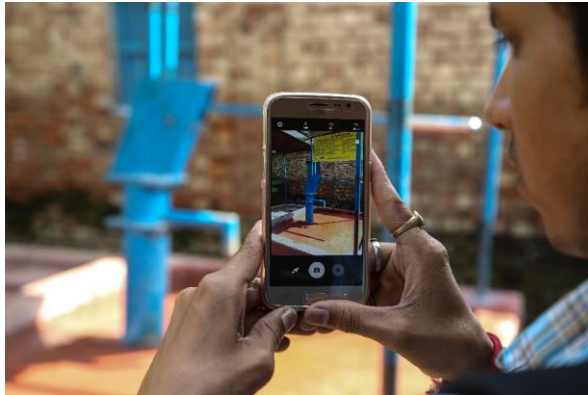
Material Supplies

- Nearly 30,000 individual household toilets constructed in Sheohar and Muzzaffarpur, Bihar and Puducherry
- 50 PoPs, 10 FPOs
- Scale up through encouraging natural growth /crowding in of POPs
- 425 IHHL constructed through SHGs

ELIMINATION OF OPEN DEFECATION

Monitoring and Tools

FLOW monitoring of a community water point



STANDARD MONITORING

- Asset Analysis
 - Type, Condition, usage
- Public Institutions
 - Levels of Service, functionality, operations and maintenance, condition
- Household Survey
 - Availability of toilet, whether used by all members of the household, hygiene practices, satisfaction
- Sustainable Services: Service Provider and Service Authority



E-Catalogue

TOTAL COST: 6400

Foundation and Basement	BRICK	1800
Super structure	HOLLOW BLOCK	4000
Floor	CEMENT	600
Sanitary Fittings	SELECT MATERIAL	
Door	SELECT MATERIAL	
Roofing	SELECT MATERIAL	
Disposal system	SELECT MATERIAL	
Tank With Tap	SELECT MATERIAL	
Barth Attached	SELECT MATERIAL	

E-Catalogue dashboard

E-CATALOGUE

- Bridge the gap between national policy/technical guidelines and choices available on the ground.
- Enable households choose their desirable household toilet option.
- Various design, models and their costing.
- Households have quality control.

ELIMINATION OF OPEN DEFECACTION

Reaching Everyone Forever in Institutions

SCHOOL WASH

- Child friendly toilet blocks for boys and girls with running water facilities; handwashing stations, MHM
- Children's committees, SMCs



COMMUNITY TOILETS

- Separate facilities for men, women and children
- Bathing area and change room
- Pay and Use Model
- Health Centres



Community toilets

- School WASH: 1027 schools, covering 370,000 students
- 13 Community Toilets fully managed and owned by the local communities
- 3 Primary Health Centers

BUSINESS MODEL FOR SAFE RECOVERY & REUSE

Faecal Sludge Management

❑ Objectives:

Idea , Market and scale testing of innovative faecal sludge management technologies to understand and design future interventions(read develop sustainable business models) in urban, peri-urban and rural areas.

❑ Key Components:

- Development of innovative technologies
 - Membrane based treatment system
 - Pit characterization
 - Evac (micro tanker for emptying business)
 - Black soldier fly larvae
 - Adding commercial value to sludge post treatment (sludge briquettes)
 - Manual Pit emptying device as an alternative for manual scavenging
 - Tiger toilets for high water table areas
- Develop business models to market test each of the ideas

❑ Coverage:

The technologies are being tested internationally, and in India (West Bengal, Bihar) and are at idea testing phase in India and well tested in the sites in Africa

BUSINESS MODEL FOR SAFE RECOVERY & REUSE

Faecal Sludge Management



Diaphragm Pump



Gulper

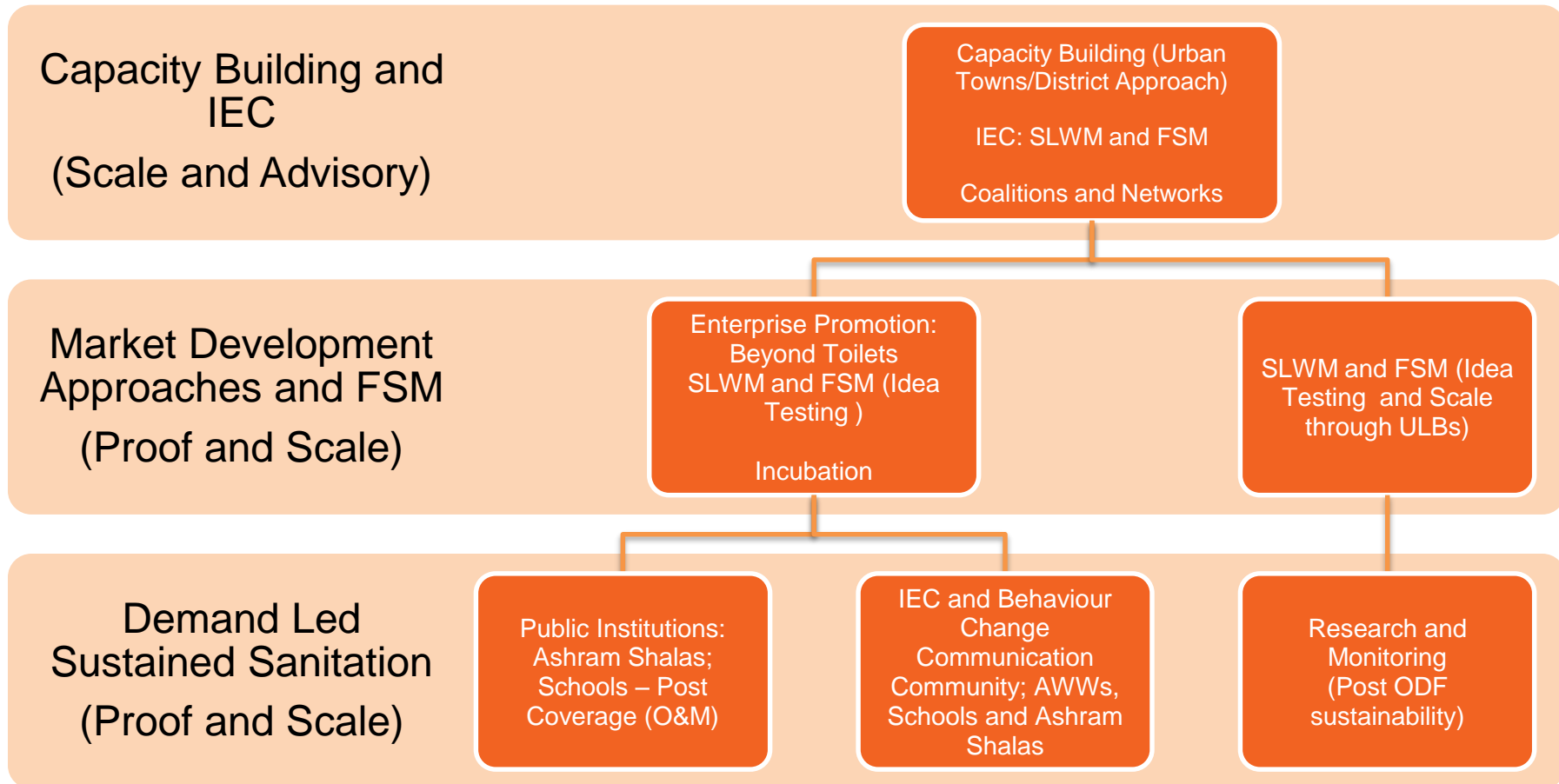


Tiger worms

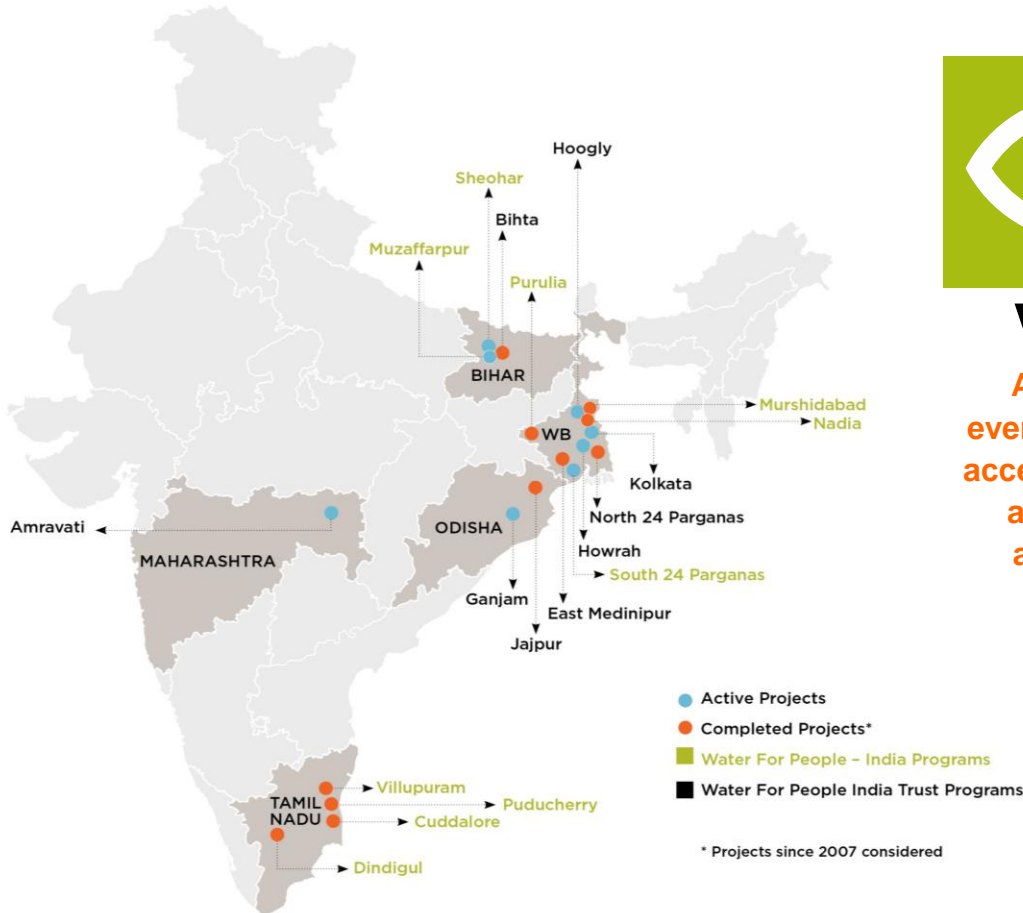


Briquettes made of faecal sudge

POST ODF – MAHARASHTRA – AMRAVATI DISTRICT



ABOUT WATER FOR PEOPLE



VISION

A world where every person has access to reliable and safe water and sanitation services.



MISSION

Promote the development of high-quality drinking water and sanitation services, sustained by strong communities, businesses, and governments.

Develop sanitation services that are commercially viable, To last long after project funding has ended, and designed to meet the needs of the vulnerable and excluded.

From this foundation take the process to scale and transform the way policy makers and other sanitation stakeholders intervene in the sector.

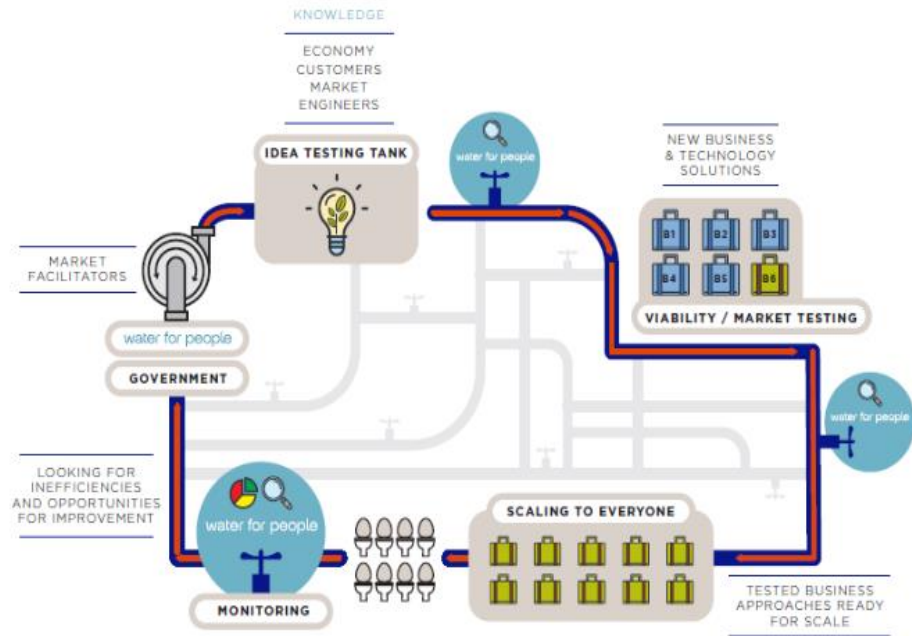
WATER FOR PEOPLE SUSTAINABLE SANITATION AT SCALE

Sustainable Sanitation at Scale

Develop sanitation services that are commercially viable, that will last long after project funding has ended, and designed to meet the needs of the vulnerable and excluded.

From this foundation take the process to scale and transform the way policy makers and other sanitation stakeholders intervene in the sector.

Water for People Approach to Sanitation





THANK YOU

