

# **ODF Sustainability and ODF+ City level experiences**

# CEPT team (supported by a grant from BMGF)



CEPT University, Ahmedabad, INDIA

#### **CEPT work with cities : PAS... Performance Assessment System...**the Largest Database on

#### **Urban Sanitation in India**



# Long Partnership with cities in Maharashtra . .

2008-09	Performance Assessment System (PAS) Project 242 cities > 384 cities
2011-12	Performance Improvement Plans 15 class A cities
2012	Exploring ODF Cities Mahad, Satara and Others
2012-13	City Sanitation Plans 4 small and medium towns (Wai, Sinnar, Ambejogai, Hingoli)
2013	Implementation support for Sanitation Improvement Support to Wai & Sinnar
2014-15	Demand Based Technical Support 12 interested cities
2015	Support to Swachh Maharashtra Mission State Government and all 384 Cities in Maharashtra
2016	Implementation of Septage Management Plan 6 pilot cities in State (Wai, Sinnar, Akot, Umred, Chiplun, Gevrai)

#### Wai-A small town in Maharashtra







Population 36,000. But 2100 of total 7500 families in Wai did not have access to own toilets !!

## **CEPT engagement in Wai**



## Status of Sanitation in Wai in 2011



# **Property Level Sanitation Surveys**



### **Survey Results-2015**

Wai



**6** years



#### **School Sanitation Assessment**

#### Public & Private Schools- Existing Status



#### **15 Private Schools**

No .of Girls- <b>4936</b> Toilets- <b>23</b>	No. of Boys- <b>6768</b> Toilets- <b>18</b>	Teaching Staff <b>317</b>	Non-Teaching Staff <b>83</b>
Urinals- <b>100</b>	Urinals- <b>121</b>		
		Total Number of	f Students – <b>11,70</b> 4



#### Locations of Schools in Sinnar



Exploring New models of Operations & Maintenance for School Sanitation

## **Key Challenge: Beyond toilets**



# **Crude Disposal of Septage at dump site**



A septic tank emptying truck being emptied like this is equivalent to 2000 people defecating in the open!

### **City sanitation strategy**



### Saniplan- a decision support model





### SaniPlan: Dashboard

#### Helps to examine alternative actions

Allows to compare various scenarios related to finance, technology choice and tariff implication

City aspired for "sewerage" system but agreed that it was inappropriate and 'unaffordable'

### **Strategy to Move away from Community Toilets**



#### Ward Level Meetings on sanitation strategy











ही रोज सार्वजनिक संडास वापरायला कंटाळला आहात का '

या तर मग ....

चित्रफीत तुमच्यासाठीच आहे

#### Awareness generation activities . . .

#### Awareness materials for FSSM



## Training of local contractors...

#### **For PROPER construction of TOILETs and SEPTIC TANKs**



## Setting up "Wai Sanitation Fund" . . .





Wai Swachhata Kosh mechanism **enables local industrialists and other donors** to effectively **contribute to development** of improved **sanitation in the city** 

# Scheduled desludging services in towns financed through differential taxation . . .



#### 1<sup>st</sup> City in INDIA to implement scheduled emptying. . .

#### **PSP** in Emptying services

: Rs.10,000/-

#### Wai Municipal Council, Wai

#### TENDER DOCUMENT

Name of Work "Service contract for scheduled emptying of septic tanks, Wai"

E.M.D.

Office of the

Chief Officer, WaiMunicipal Council, Wai

Septic tank cleaning

**Tender document** 

Mr. Gosavi Sanitary Inspector Mr. Prasad Katkar Chief Officer

#### CONTENTS

L	Short Tender Notice	3
I.	Detailed Tender Schedule	3
	Notes	4
	List of documents to be submitted along with tender	5
П.	Detailed Tender Notice – General Conditions	6
v.	Detailed Tender Notice – Special Conditions	14
۷.	Form Formats	22
	Details of suction emptier trucks available with the tenderer for the use of this work	22
	Details of work of similar type and magnitude carried out by the tenderer	23
	Details of technical personnel with the tenderer	24
	Year wise statement showing cost of completed works	25
	Financial Statement	26
	Organization Profile	27
И.	Opening of Tender	28
/11.	Acceptance of Tender	28
/111.	Declaration of the Contractor	28

#### **E-Tender on state web site**

Service provider selected following a competitive bidding process

#### Work has been awarded.

Services to begin after the treatment plant becomes operational

### Fecal Sludge treatment facility...

Wai

- Tide technocrats setting up a 70cum/day capacity plant
- □ FSTP site near solid waste compost facility
- □ Civil works under progress
- Plant to become operational by November 2017



Hydraulic Flow Diagram









### Wai in Future: Moving from ODF+ to ODF++



#### Wai a Model City in India?

 First city in India to attempt Scheduled desludging- every tank emptied at least once in 3 years

□ Fecal Sludge treatment Plant with new technology

Private sector participation for emptying services

□ Escrow account to minimize payment risks for private operator

□ Funding through Sanitation tax levied on all properties

