

Citywide Inclusive Sanitation (CWIS) in Wai

FSSM Workshop

Pune

4th September 2019

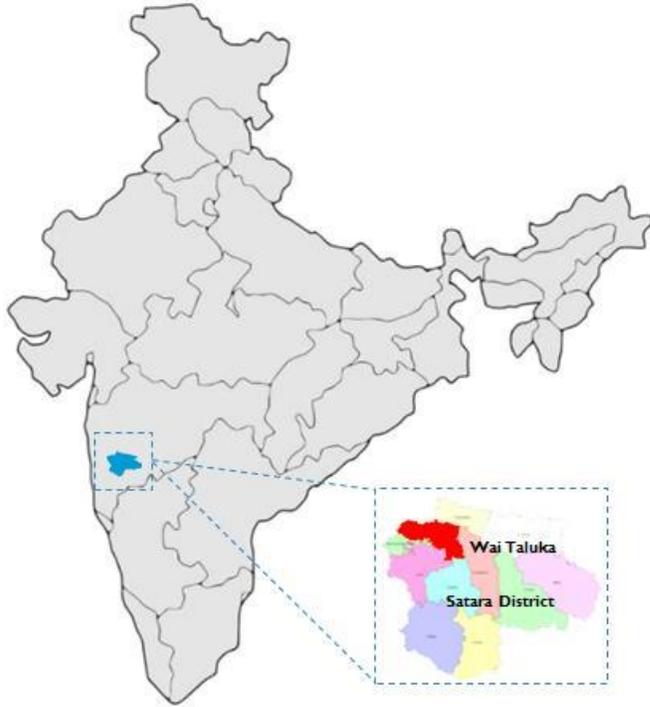


Monitoring Scheduled Desludging in Wai			
CONSOLIDATED PROGRESS REPORT			
1650 Target Septic Tanks	470 Desludged (28% of target)	397 Scheduled (85% of desludged)	73 Emergency (15% of desludged)
508 Properties Visited	38 Properties Refused (7% visited)	1537 Properties Covered	12KLD Volume Desludged (Kilo Litres per Day)
DAILY PROGRESS REPORT			
Time Frame: 11.02.2019			
6 Target Septic Tanks	5 Desludged (83% of target)	5 Scheduled (100% of desludged)	0 Emergency (0% of desludged)
5 Properties Visited	0 Properties Refused	5 Properties Covered	40KLD Volume Desludged

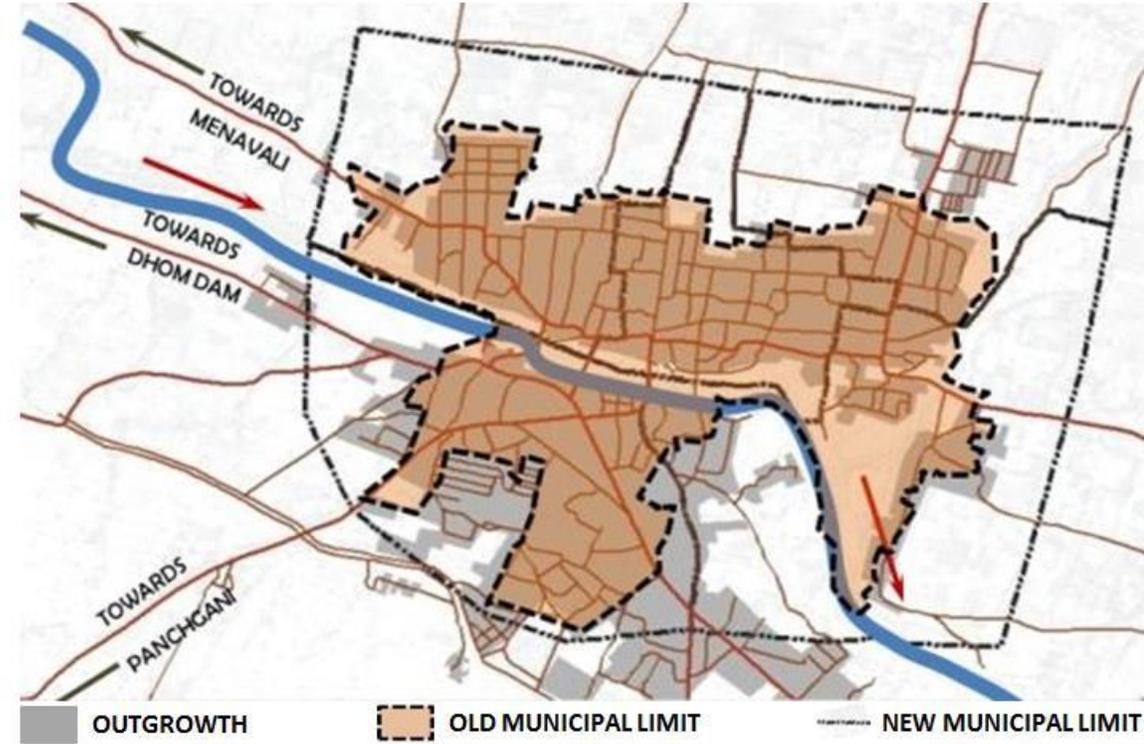


WAI CITY....

A city moving towards universal access to sanitation



C Class Municipal Council	
District	Satara
Location	95km south of Pune; 35km from Satara
Area	3.54 sqkm
Population (2019)	43000
Households	8991
Literacy Rate	81%
Slum population	4%
Prabhags	10



- The town is known in Maharashtra for its **Ghats** on the **banks of River Krishna** and around **250 temples**.
- It is a **holy pilgrimage town** and an **old Buddhist settlement**



Key features of Wai....



Bollywood shooting town



Dakshin Kashi



Famous in Maharashtra for the ghats on the banks of river Krishna

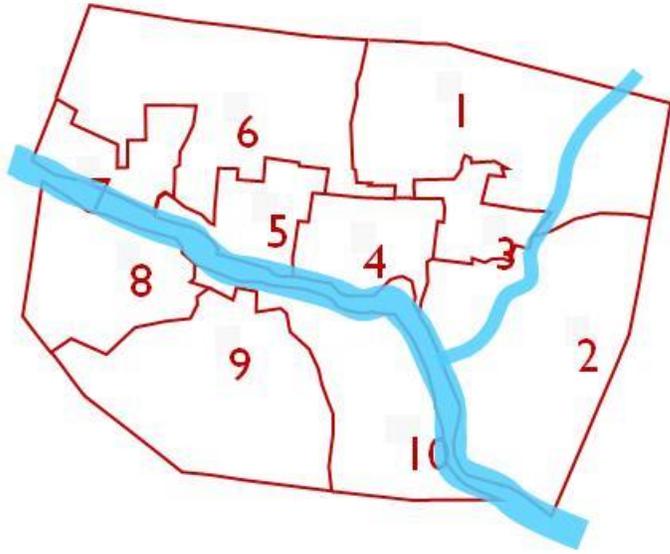


Around 250 temples



Holy Pilgrimage Town

Wai City.....



Wai is divided into **10 Prabhags** for administrative purpose.

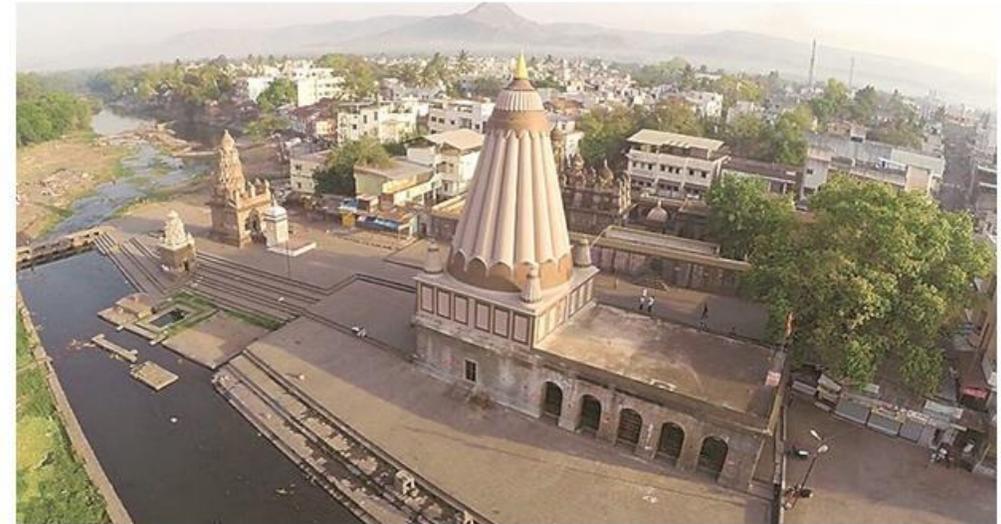
Map showing habitat area of Wai.



Community toilet and IHHL at Wai



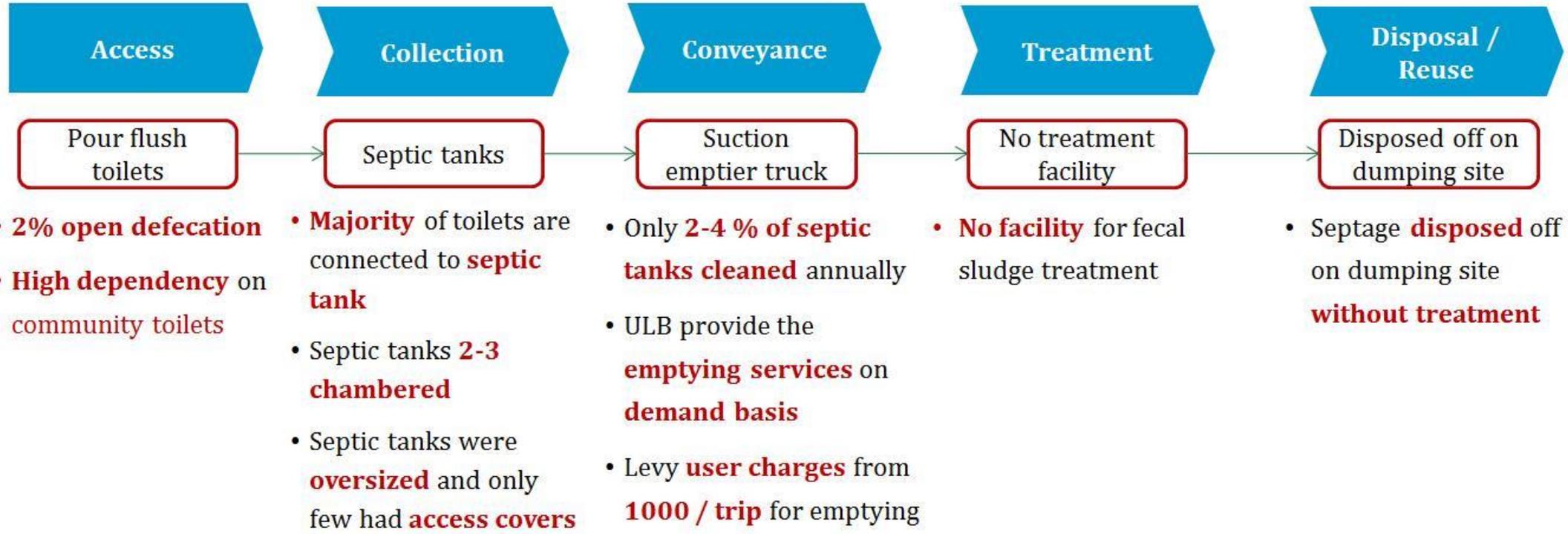
Skyline of Wai along the river



Overview of Wai city, the city is mix of old culture as well as new developments

Sanitation Situation – in 2013

When work started



Activities undertaken by city council to become ODF

1 Toilet Subsidy scheme Awareness and inviting applications

Posters/banners/handouts/form distribution



Jingles/movies:rickshaw,TV, radio, festivals



Newspaper adverts



Community gatherings



School awareness



2 OD spot monitoring

Good morning Squad



3 Capacity building and enabling

Toilet vendor-lender fair



Training staff/masons

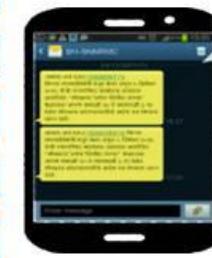


Finance options

- Self help groups
- Micro-finance institutions
- Credit societies
- Commercial banks
- Housing finance companies

4 Application Monitoring

Bulk SMS



Application process, site inspection

Wai amongst the first cities to be declared ODF at State and National



Third Party Inspection (TPI) report for Re-Certification of ODF: Wai Municipality

Date of TPI Inspection	18 th December 2018
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Name of the ULB: Wai

City Profile

State	Maharashtra
District	Satara
Total Population (current year)	36,030
IHHL & CT/PT details on SBM Urban Portal (Yes/No)	Yes

TPI Summary

Sr. No.	Locations Visited in the ULB	Location Type	Protocol	Status
1	GUREBAZAR	Slum	Complete	ODF
2	KASHIKAPADI	Slum	Complete	ODF
3	DHARMAPURI	Residential Area	Complete	ODF
4	RAVIWAR PETH	Residential Area	Complete	ODF
5	BHAJI MNADI	Commercial Area	Complete	ODF
6	DAANEBAZAR	Commercial Area	Complete	ODF
7	MUNICIPAL SCHOOL NO.6	school	Complete	ODF
8	KANYASHALA	School	Complete	ODF
9	OLD KRUSHANA BRIDGE PARISAR	Special Location	Complete	ODF

As on September 6th 2017, Wai Municipality can be Re-Certified as Open

As on December 18th Wai Municipality can be Re-Certified as Open Defecation Free

As on June 16th Wai Municipality can be Re-Certified as Open Defecation Free

Wai was 1st declared ODF by the State Govt. followed by ODF declaration at National level by QCI in September 2016 & Revalidated ODF in September 2017, April 2018, December 2018 and June 2019

Wai has moved Beyond toilets and aspires to become **ODF ++ city**

Moving from a consumer complaint system to scheduled desludging

Current septage management practice

~2% of tanks cleaned per year
(once in >8-10 years)



Recommended septage management practice

~33% of tanks cleaned per year
(once in 3 years)

Current barriers

- 1 Cleaning is done **on-call** by the household, who do not see the need for regular cleaning
- 2 Wai has only **1 truck of 5kL** capacity, owned and operated by the ULB
- 3 Houses pay **~INR 1000** to the ULB to get tanks cleaned, but only once in more than 8-10 years

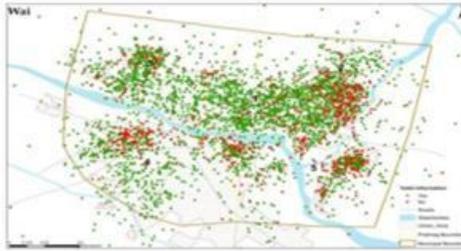
Proposed solutions

- 1 Septic tanks will be cleaned on a **pre-determined schedule. Regulations and penalties** will be set in place to ensure periodic cleaning
Awareness generation activities will educate households about the need for regular cleaning
- 2 Wai gets **2 additional trucks** to clean **~6 septic tanks a day, 300 days a year**, which can be operated by a private. The existing trucks will continue to clean public and community toilets
- 3 All property owners (residential and non-residential) will pay a **'sanitary tax'** to be levied by the ULB as per the **municipal legislation**¹

(1) Maharashtra Municipal Councils, Nagar Panchayats and Industrial Townships Act, 1965, Chapter IX : Municipal taxation, Section 108

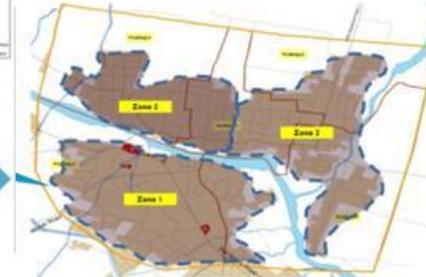
Scheduled desludging of septic tank service at Wai

- **Sumeet Facilitates private Ltd.** was selected through a competitive bidding process for providing this service.
- **Operations** in Wai has started since **30th of May 2018**
- **Systematic process** is followed for emptying
- **Daily monitoring** of number of septic tanks emptied and volume collected and **database of septic tanks in real time through SaniTab**
- **Sanitation tax** has been levied in Wai
- Sanitation tax **collected in property tax**



Map depicts HHs with toilets & Major areas where HHs don't have toilets

Dividing Wai in 3 zones for scheduled desludging



Citywide information collection on toilets and STs.
Dividing Wai in 3 zones



SaniTab for daily monitoring



Scheduled desludging operations at Wai

Implementing the FSSM plan in Wai....



Flyers

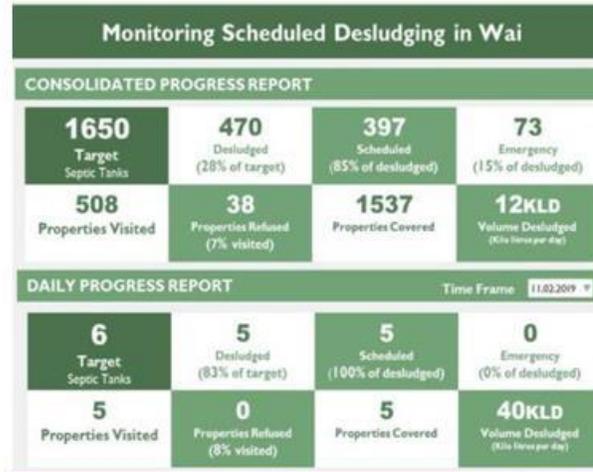


Awareness activities such as:

- Distribution of pamphlets
- Share video over WhatsApp
- Show video on local cable channel
- Auto rickshaw announcements
- Ward wise gatherings

Planned with a detailed schedule using different material

Various awareness activities for FSSM: banners, video, social media, flex, flyers, etc



Wai dashboard for monitoring

चाई नगरपालिका चाई

RECEIPT / राशी F.Y./ व.स. : 2019-2019 Customer Copy/राशी व.स.

Receipt No./राशी नं.	Date/दिनांक	Related To/संबंधित	CFO Reference/राशी नं. व.स.	Counter Reference/राशी नं. व.स.
AS/1929	12/02/2019	सॅनिटेशन वॉटर	02/24	07/24

Bill No. / राशी नं.	Date/दिनांक	Details/विवरण	Payable Amount/राशी	Current/वर्तमान	Received Amount/राशी	Current/वर्तमान
11838	20/02/2019	सॅनिटेशन वॉटर	0.00	2,100.00	0.00	2,100.00
		सुवे	0.00	84.00	0.00	84.00
		सुवे	0.00	1,008.00	0.00	1,008.00
		सुवे	0.00	352.00	0.00	352.00
		सुवे	0.00	42.00	0.00	42.00
		सुवे	0.00	93.00	0.00	93.00
		सुवे	0.00	142.00	0.00	142.00
Total Amount / एकूण राशी			0.00	3,688.00	0.00	3,688.00

Payable Amt./राशी 3,688.00 Actual Payable Amt./राशी 3,688.00 Total Received Amt./राशी 3,688.00

Financing by levying Sanitation tax: Rs.60/HH/year



Performance linked monitoring mechanism



App based monitoring: SaniTab



Escrow Mechanism for payment



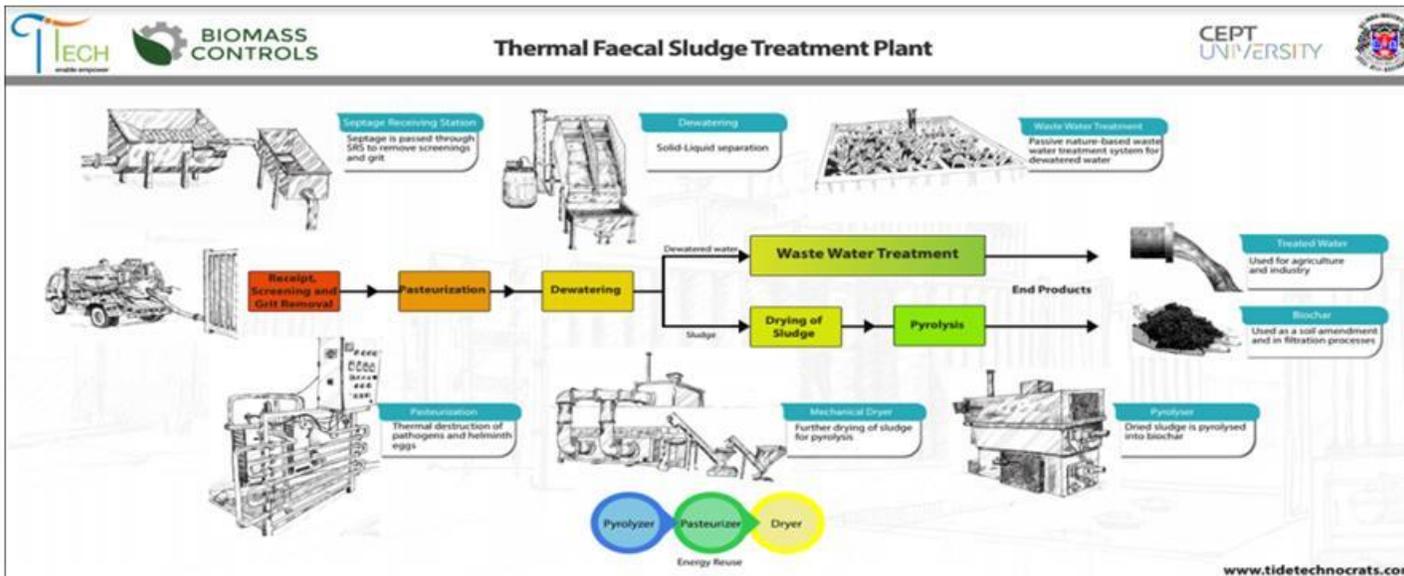
PPP model in desludging service: Tender document

Faecal sludge & septage treatment plant at Wai....



FSTP (Faecal Sludge Treatment Plant) at Wai

- City has **allocated land** for treatment facility
- Undertook **septage quality tests**
- Explored **PACKAGE** treatment plants for treating of septage
- **Council** has floated an **Expression of Interest** for interested bidders



- **Tide technocrats, Bangalore** has set up a pilot septage treatment facility of **70,000 litre capacity**.
- **Land** provided by **ULB**
- **Capex and Opex** provided by **Tide technocrats**
- Treatment facility is functional from **30th of May 2018**

CWIS Initiatives by Wai....



Workshop for elected women councilors at Wai



One day FSSM showcase visit at Wai



SHG meeting to involve them in FSSM related activities



Training to CT/PT emptying staff for using monitoring app (SaniTab)



Toilet and lender fair to mobilize IHHL applications



Developing FSTP as a resource park

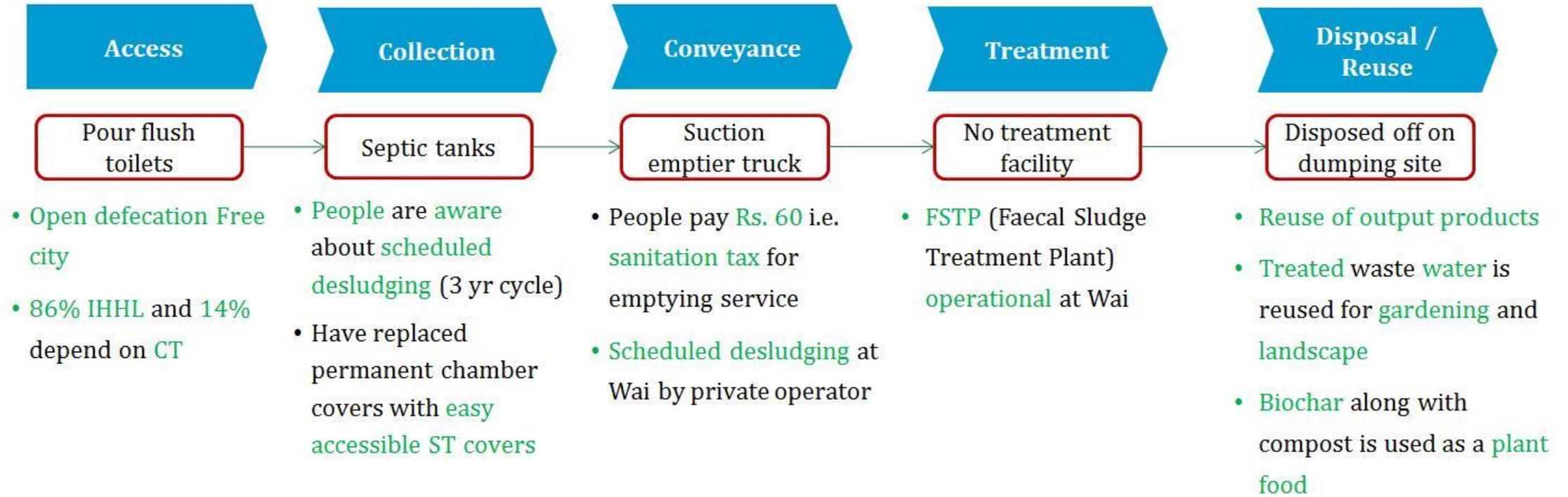
What has been achieved after implementing FSSM in Wai....

- 550+ scheduled desludging done covering 1900+ properties in 14 months
- Since last 10-11 months...
 - 6-7 septic tanks desludged per day as compared to 7-8 per month in 2017 when demand desludging was happening
 - 5.5 million liter septage delivered to treatment facility
 - 85%+ acceptance rate from HHs for scheduled service
- Sanitation workers now wear safety gear regularly
- Households pay sanitation tax instead of high user charges for desludging



Sanitation Situation in 2019....

After implementation of FSSM



Partnership for making Wai ODF++ ...

CEPT
UNIVERSITY

p a s

C-WAS



Government of
Maharashtra

BILL & MELINDA
GATES *foundation*




SUMEET
FACILITIES



RCUES
Mumbai


TECH
enable empower
TIDE TECHNOCRATS

Thank you ...