

ASSESSING GENDER INCLUSION IN SANITATION SERVICE DELIVERY IN URBAN AREAS

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This Directed Research Project on “ **Assessing Gender Inclusion in Sanitation Service Delivery in Urban Areas** ” was supported by the Center for Water and Sanitation. Guidance was provided by the CWAS team at CEPT Research and Development Foundation, CEPT University.

It was carried out towards partial fulfilment of the requirements for the award of a Master’s Degree at the Faculty of Planning, CEPT University, Ahmedabad, India.



Contents

- Background
- Need of the Study
- Urban Sanitation & Gender
- Research aim and objectives
- Introduction to Wai
- Existing condition
- Key Challenges and Opportunities
- Recommendations



Background & Need of Study

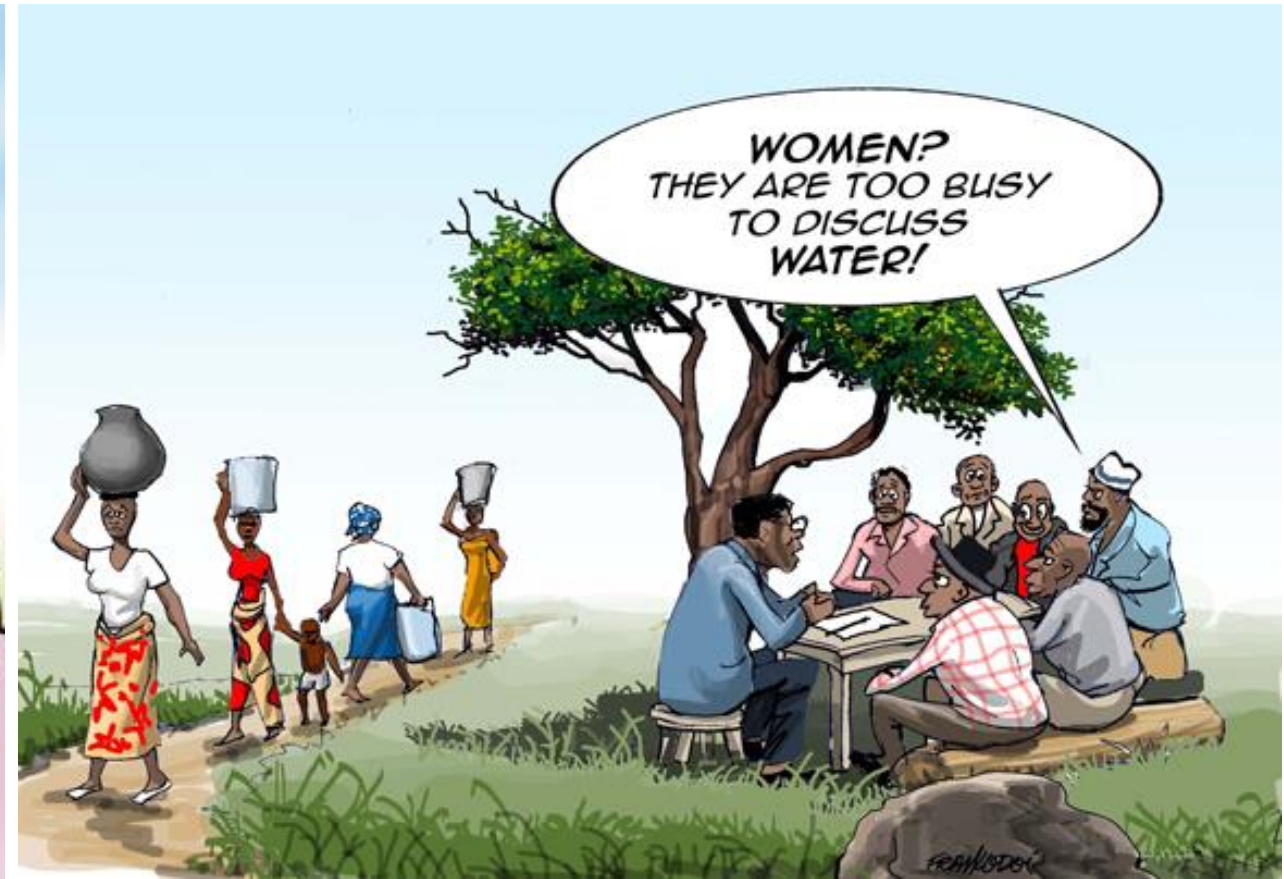


Water, sanitation and hygiene is one of the most observable divides between women and men



The provision of hygiene and sanitation are usually considered women's tasks.

Source: www.wsp.org/wsp/about/Calendar%20Calendars/2007%20Calendar



Societal barriers often restrict women's involvement in decision-making processes.

Source: www.wsp.org/wsp/content/2012-cartoon-calendar

Why is gender equality important?



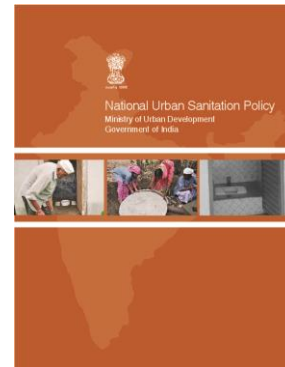
SDG 5: GENDER EQUALITY
The goal of SDG 5 is to achieve gender equality and empower all women and girls

WHAT?

- 1 End discrimination against all women and girls
- 2 Eliminate violence against all women and girls
- 3 Eliminate all harmful practices such as child marriage
- 4 Recognize and value unpaid care and domestic work
- 5 Ensure women's participation and leadership in decision-making
- 6 Ensure universal access to sexual and reproductive health and rights

The importance of human rights of women and girls was realized that they help countries to make the transition to sustainable development. With the lens of gender equality, and to achieve the targets of SDGs, WASH Program was introduced by UNICEF.

Source: SDG 2015



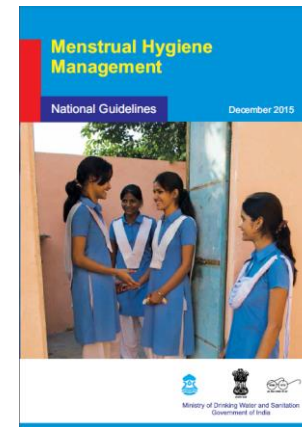
National Urban Sanitation Policy (2008)



Swachh Bharat Mission (2014)



National Women Empowerment Schemes



MHM Guidelines (2015)

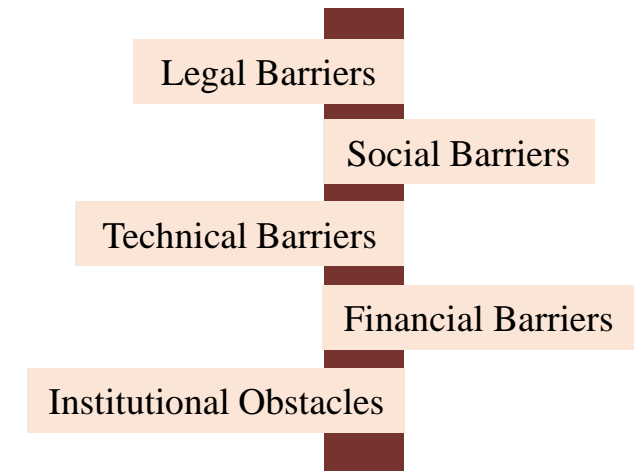
Source: NUSP 2008, SBM 2014, MoWCD, MHM (2015)

“Only 18% women in India have access to sanitary hygiene in India”

By - TNN | Pragya Sood | Updated: Jul 11, 2018, 16:08 IST | [f](#) [t](#) [p](#)

The sanitation crisis in India - An urgent need to look beyond toilet provision

Why India's sanitation crisis kills women
When women and girls have poor access to sanitation, they bear a greater burden and suffer worse outcomes than men.



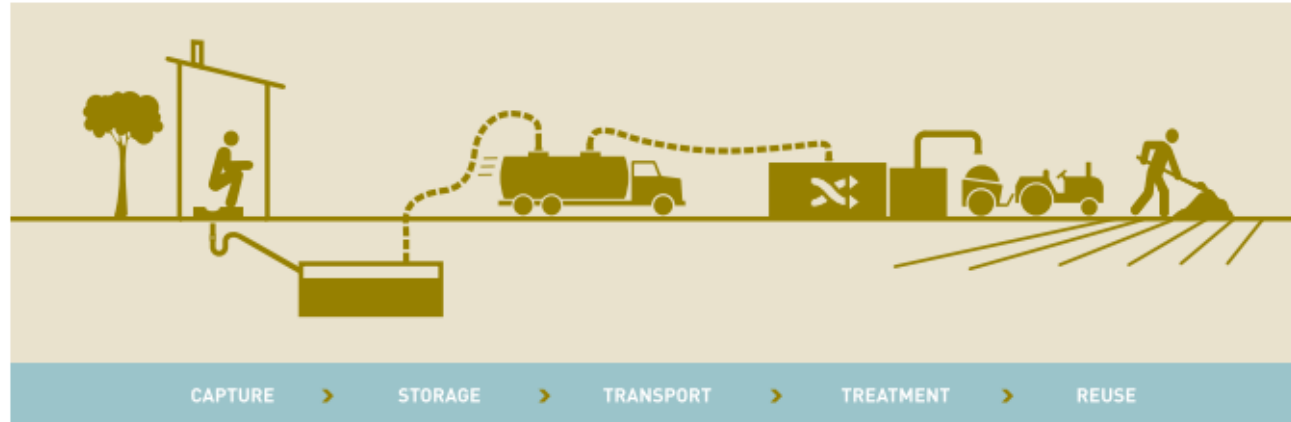
Source- Engaging with Citizens to improve services, Times of India, BBC News, The Telegraph

Urban Sanitation



Sanitation Value Chain

Conventional Sanitation Service Delivery



Gender Inclusion across Sanitation Service Delivery



Research

- Aim
- Objectives



To assess the gender inclusion in sanitation service delivery and decision making process in Wai, Maharashtra.

1

To review literature on sanitation practices globally on mainstreaming gender needs in urban areas

2

To understand existing challenges and opportunities for mainstreaming gender needs across sanitation service chain in Wai city of Maharashtra.

3

To explore various opportunities of gender integration in sanitation service delivery chain, and enhance gender sensitive solutions across the value chain.

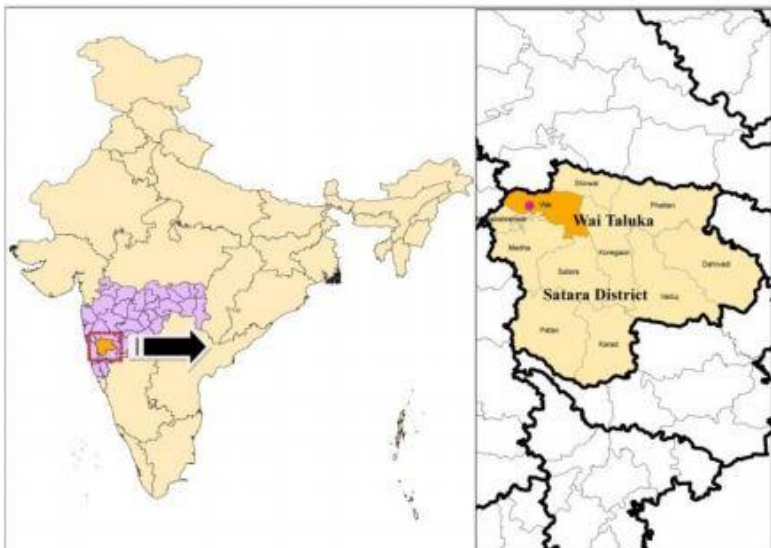
Gender inclusivity entails multitude of aspects however, given the constraints of time and resources, the research focuses on sanitation delivery in a small urban area of Maharashtra, and from the lens of female inclusion in the service. The research does not focus on third gender, gender budgeting.

Introduction to Site:

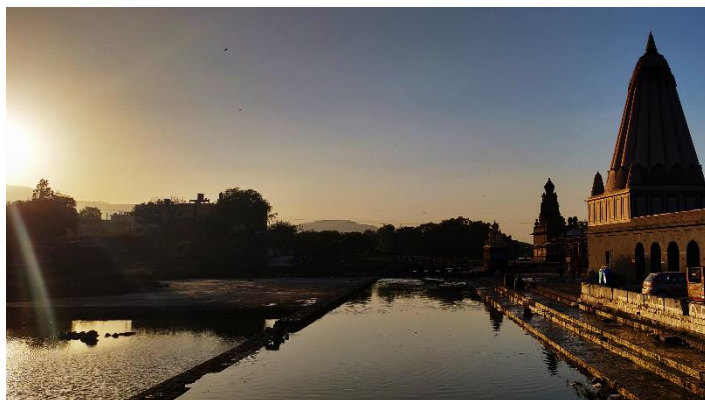
Wai, Maharashtra



Introduction to Wai, Maharashtra



Wai is a small town in Satara district of Maharashtra with a total population of **47,268** (2017) spread at **3.63** sq.km area.



Total Population
47,268



Total Households
11,187



Male Population
24,106
(51%)



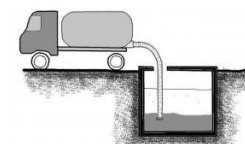
Female Population
23,161
(49%)



Slum Population
2,765



Wai was declared
ODF city in 2016.



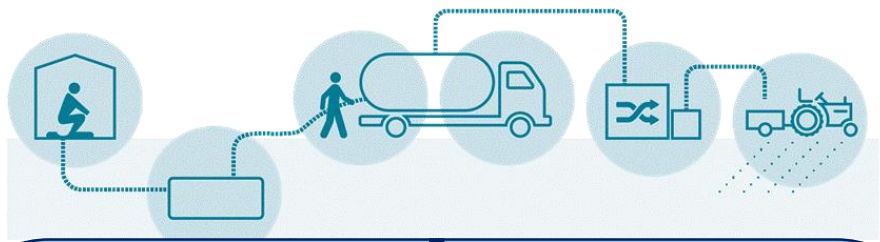
Wai is the first city
to start scheduled
emptying of septic
tanks in India.



This city was selected
under BMGF- CWIS
funding for sanitation,
and the new focus of
the WMC is on
inclusivity and equity.

Source: PAS 2017, Census of India 2011, City Sanitation Plan of Wai

To understand the current situation of Sanitation in Wai



User Interface and Containment

Emptying, Treatment and Reuse






Women in Decision Making



Women as Sanitation Entrepreneur

-  Community Toilet Survey
-  Public Toilet Survey
-  School Sanitation Survey
-  Household and School FGD

-  Interviews with Treatment Plant Operator and De-sludging operator

-  Interview with Council Members and CO of WMC
-  Household FGD

-  Interview with SHGs
-  Household FGD

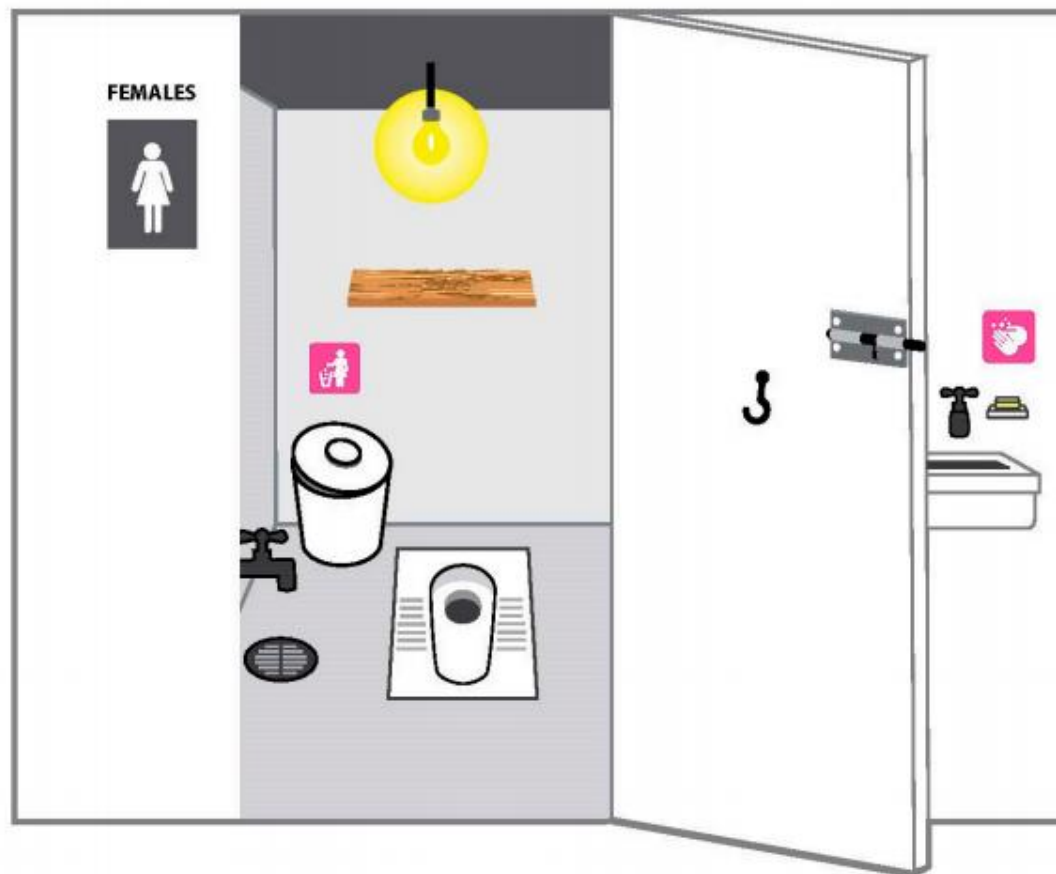
Existing Situation of Sanitation in Wai, Challenges, Opportunities



Ideal Gender-friendly toilet

Guidelines studied, to form the basis of Ideal Gender-friendly toilet:

- **Swacch Bharat Mission (Urban)- ODF, ODF+, ODF++ Protocol**
- **CT-PT guidelines by Govt. of AP**
- **Women friendly toilet design (Water Aid)**



Water availability/ tap present inside



Light source present inside the toilet



Method of disposal of menstrual waste



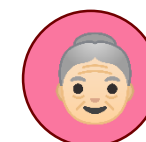
Proper ventilation



Inside door latch present



Shelf or hook present to keep belongings



Accessible by older women

Source: *Guide for planners for gender friendly sanitation, Water Aid, 2017*

Household level Sanitation Facilities in Wai



82% of households of Wai have access to individual household toilets



Few toilet blocks were found to be constructed in **Phulenagar, Mominadi and Gangapuri Ghat** area under Swacch Bharat Mission, 2014.



While constructing these toilets, the need of an individual toilet was an urgent requirement for the girls and women of the family, as the decision was taken holistically.



Household Toilet Built under SBM

The individual toilets (surveyed) of Wai, were found to be gender friendly, and by FGDs it was found that all the individual toilets met the criteria to be gender- friendly.



Site Inferences

Analysis

Recommendations

Household level Sanitation Facilities in Slums

Gure Bazar Slum



106 apartments were provided by MHADA

Have **individual bathroom and toilets**, with **tapped water connection**

Women do not face any sanitation problems.

Open Defecation along River



A lot of women settled near river Krishna practice open defecation along the forest area on the upstream of the river, as no eyes of men are there at early mornings.



54 apartments were provided by MHADA

Have **individual bathroom and toilets**, but no **water connection**.

The women and girls of these apartments have to fetch water from the ground till the top most floor due to unavailability of water.

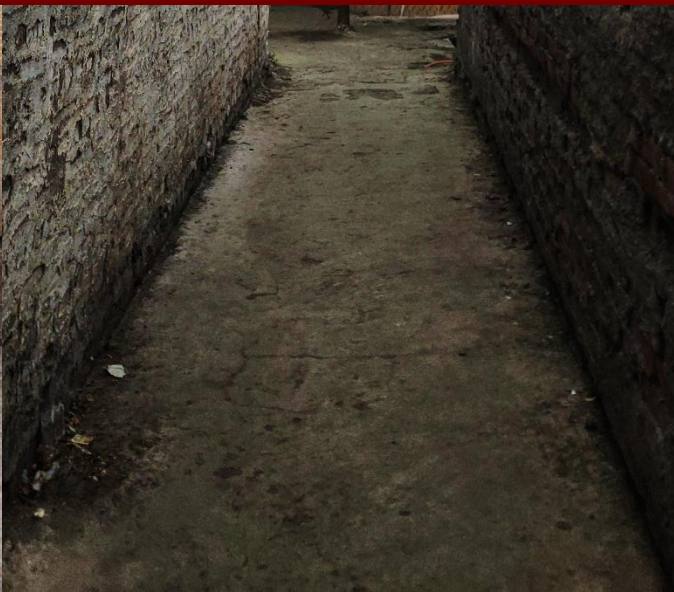
Kashikapadi Slum



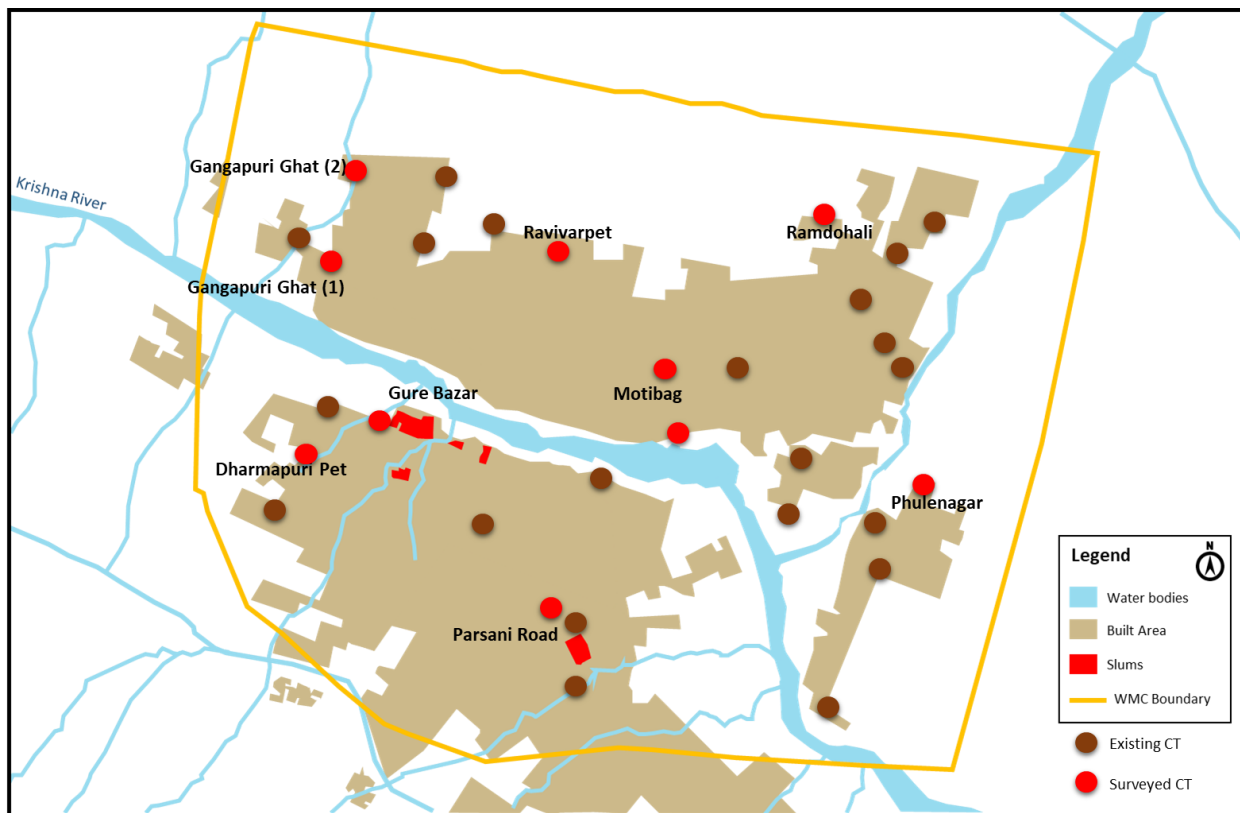
The older women in these households, who face problems with climbing up and down for such activities have built their own temporary stay in front of the society, so that they do not have to face problems of climbing every time after use.



Community level Sanitation Facilities in Wai



Community level Sanitation Facilities in Wai



28 Community toilet present

18% of population of Wai, still dependent on community toilets

The CTs are managed by **Nirmal Bharat Foundation**, and cleaned by **4 male cleaners**

The toilets have been analyzed on the basis of following parameters:

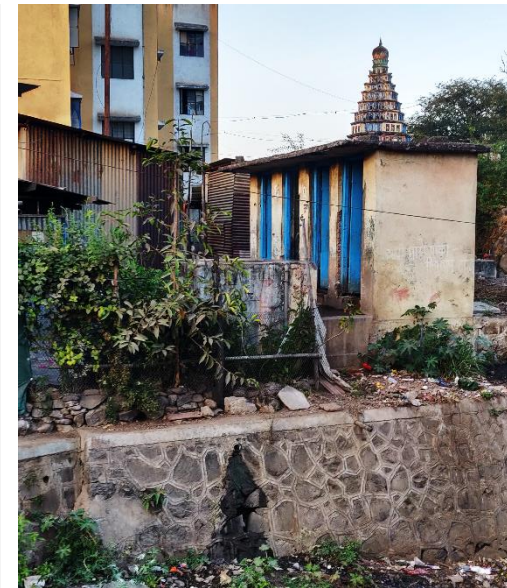
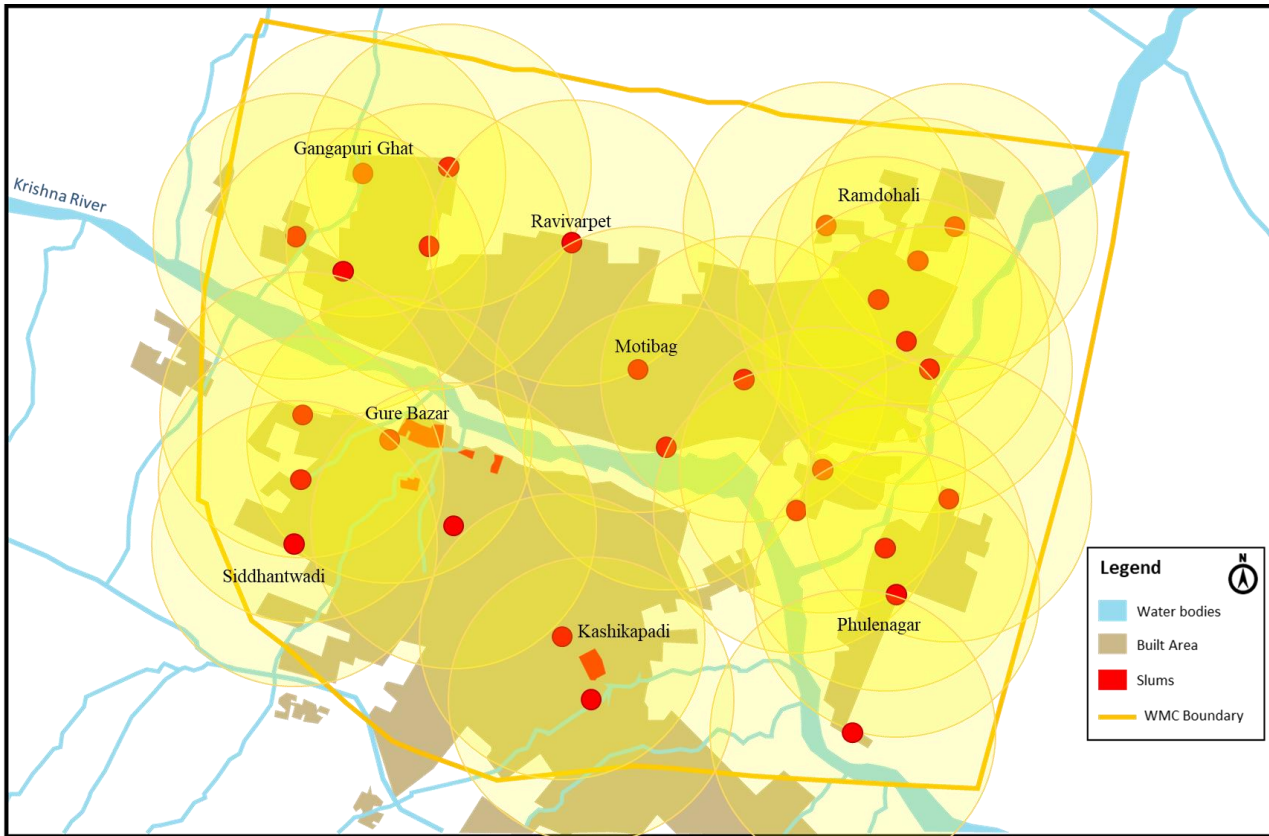
- **Location and accessibility**
- **Number of functional seats**
- **Infrastructure requirements**
- **Women friendly design**
- **Safety concerns**



“A safe and conveniently located toilet for us, that is all what we ask for! “

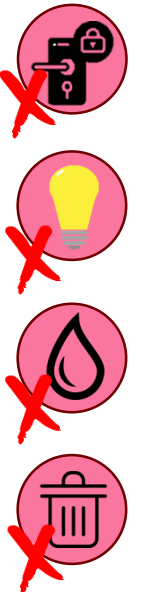


Community Toilets



Gure Bazar CT

The toilet is located just beside a drain and also on the back of a housing society, which makes it inaccessible to many users.

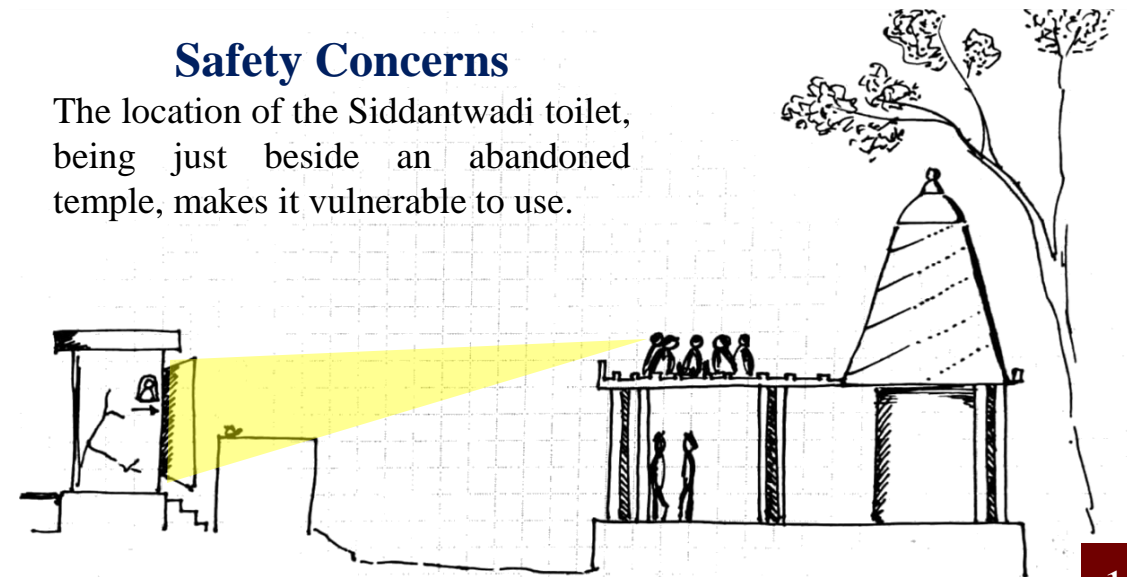


Accessibility of Community Toilets

The immediate accessibility (500m) to community toilets, Wai has a wide coverage of community toilets spread all over. The households which do not have access to individual household toilets, can easily access the community toilets, as it is within the reach.

Safety Concerns

The location of the Siddantwadi toilet, being just beside an abandoned temple, makes it vulnerable to use.



Number of Functional Seats

Community Toilet Details	Ramdohali		Phulnagar		Ravivarpet		Dharmapuri pet		Motibag		Gangapuri Ghat (1)		Gangapuri Ghat (2)		Parsani Road		Gure Bazar	
	M	F	M	F	M	F	M	F	M	F	M	F	No Gender Segregation		M	F	M	F
No. of seats	11	11	5	5	5	5	2	2	5	5	4	4	4	4	4	4	4	4
No. of functional seats	10	10	5	4	5	5	2	2	5	5	4	4	2	4	Temporarily closed	4	4	

Infrastructure Requirements in Community Toilets



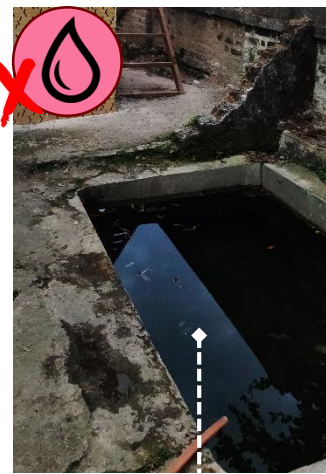
Broken Windows in female cubicles

Site Inferences



No gender segregation in Gangapuri Ghat (2)

Analysis



Water Contamination reported due to **open water tanks**

Recommendations



Broken Doors in newly built female cubicles

Ideal Gender Friendly Toilet Design for Community and Public Toilet

According to the existing condition of the community toilets and lack of infrastructure, these toilets came up to be of immediate priority:

	Randohali	Phulenagar	Ravivarpet	Dharmapuri Pet	Motibag	Gangapuri Ghat (1)	Gangapuri Ghat (2)	Parsani Road	Gure Bazar
Adequate no. of safely located toilet	Red	Light Blue	Light Blue	Red	Light Blue	Light Blue	Red	Red	Red
Separate Toilets	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Red	Red	Light Blue
Cleanliness	Light Blue	Light Blue	Red	Light Blue	Light Blue	Light Blue	Red	Red	Light Blue
Safe and private toilet with inside door latch	Light Blue	Light Blue	Red	Light Blue	Light Blue	Light Blue	Red	Red	Light Blue
Night time light source both inside and outside the toilet	Light Blue	Red	Red	Light Blue	Red	Red	Red	Red	Light Blue
Water availability inside the CT	Light Blue	Red	Light Blue	Red	Light Blue	Light Blue	Red	Red	Red
Trash Bins	Red	Red	Red	Red	Red	Light Blue	Red	Red	Red
		Priority 2				Priority 1			

The revised contract for refurbishment and new contract for any CT or PT should have these following components:

- **Provision of dustbins with lid in every female toilet block**
- **Provision of hooks, shelves and mirror inside the female toilet block**
- **Operation and maintenance of toilets**
- **Frequency of cleaning to be done**
- **Sanitary pad vending machines and incinerators**
- **Designated caretakers- female caretakers for PT**

Refurbishment Requirement in prioritized community toilet:

Requirement	Priority 1			Priority 2		
	Gure Bazar	Parsani Road	Gangapuri Ghat (2)	Phulenagar	Ravivarpet	Dharmapuri Pet
Lighting requirements	Need of proper lighting due to safety concerns, need of inside light source to all toilet cubicle for accessibility at night					
Separate entrance		Need of separate toilets for women and also increase in functional seats for women				
Inside door latches		Need of inside door latches				
Hooks / Shelves inside toilet cubicle	All the female toilet cubicles require hooks/ shelves inside					
Water supply	Need of covered water tanks from water contamination and misuse of water					
Dust bins with lid	Every female toilet block requires provision of dustbins with lids for proper disposal of menstrual waste					
Total Cost	Rs. 21,210/-	Rs. 22,410/-	Rs. 18,830/-	Rs. 21,210/-	Rs. 23,400/-	Rs. 18,830/-

Total cost of Refurbishment of 6 community toilets:

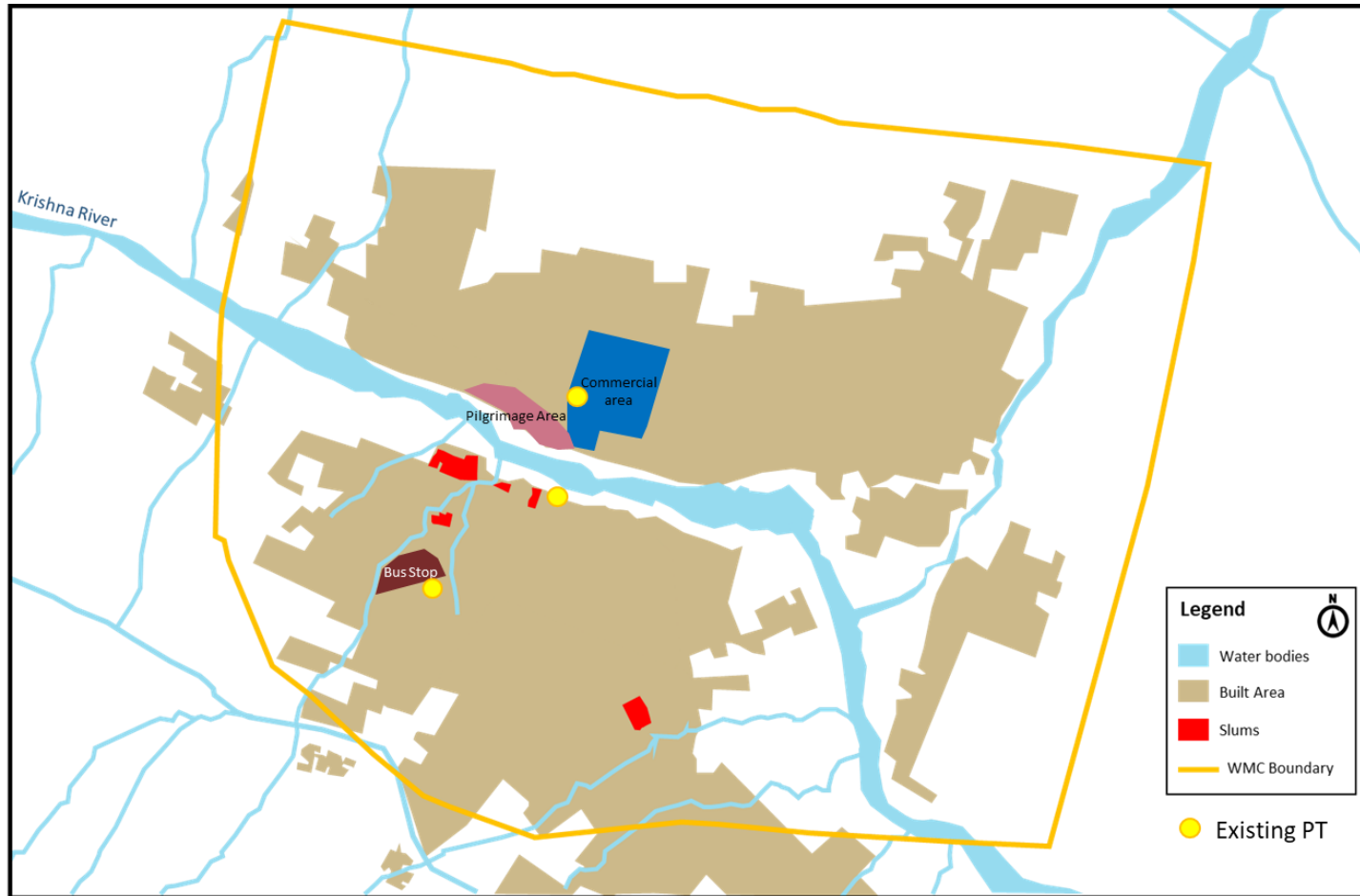
Rs. 1, 25, 890/-



Public level Sanitation Facilities in Wai



Public level Sanitation facilities in Wai

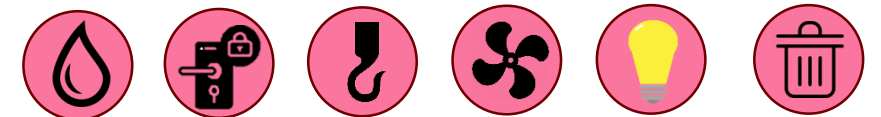


3 Public toilet present

These toilets are used by the nearby commercial area and institutional places and daily commuters.

The toilets have been analyzed on the basis of following parameters:

- **Location and accessibility**
- **Number of functional seats**
- **Infrastructure requirements**
- **Women friendly design**
- **Safety concerns**



Condition of existing Public Toilets in Wai

Dane Bazar

The PT is located in the middle of the commercial place of Wai. Almost **750-1000 users** come daily.



A wash basin is provided at the entrance, but there is no soap facility provided.



The toilet has working locks and doors, which makes it safe for the users.



One trash bin is provided in a corner of the block.



A wash basin is provided at the entrance, along with soap facility provided.



The washrooms are cleaned twice a day by a male cleaner. Also, the female entrance is directly exposed, so it is being



The toilets have working doors and water taps inside the cubicle.

Ganpati Ghat

The PT is located in the on the **opposite side of Ganpati Ghat**. Almost **300-500 users** come daily.



Bus Stop



- The PT is located in the Bus Stop area.
- It is a male public toilet.
- It is only used for urinating.
- No other facilities are provided here.
- It is being cleaned once in alternative days.
- No operator or cleaner were found in the toilet.

- **No user fee is charged by the women** for usage.
- When asked, people are **satisfied** with the provisions.
- There is only **one male operator** present at the front desk and **one cleaner** for cleaning both the toilet blocks.

Other Public Toilet facilities in Wai



Petrol Pump Toilet

- Apart from the above mentioned 3 public toilets in Wai, the institutional buildings have their own toilets, which is only accessible to the people coming to the offices and institutional buildings.
- The toilet in WMC is also accessed by the people who are shopkeepers nearby.
- The petrol pumps in Wai also have toilets, which is accessible to all, and only one single toilet at every petrol pump is provided for all.



WMC Female Toilet

New Public Toilet in Bus Stand

The new toilet block is required to be built in bus stand for women, as immediate requirement.



Existing floating population of Wai: **4000 people**

Existing bus stand users (daily) : **500-750 users**

Infrastructure requirement: **Transit Area Toilet**

Women toilet block: (2 for 100-200 persons, over 200 add 1 per 100 persons or part thereof)

Requirement:

2 Indian WC, 2 Western WC, 1 changing room/bathing space, mirror and hand-washing space, Ablution taps inside every cubicle

24 hours- time of operation

Total cost of building a new Public toilet at Bus stop: **Rs. 7, 69, 420/-**

Funding Agencies:



Site Inferences

Analysis

Recommendations

Features/ essentials to be incorporated while building new public toilet and O&M of existing CT, PT



Separate entrance for female toilet section



Safe location



Good lighting



Designed for privacy



Access to water and soap



Disposal of menstrual products



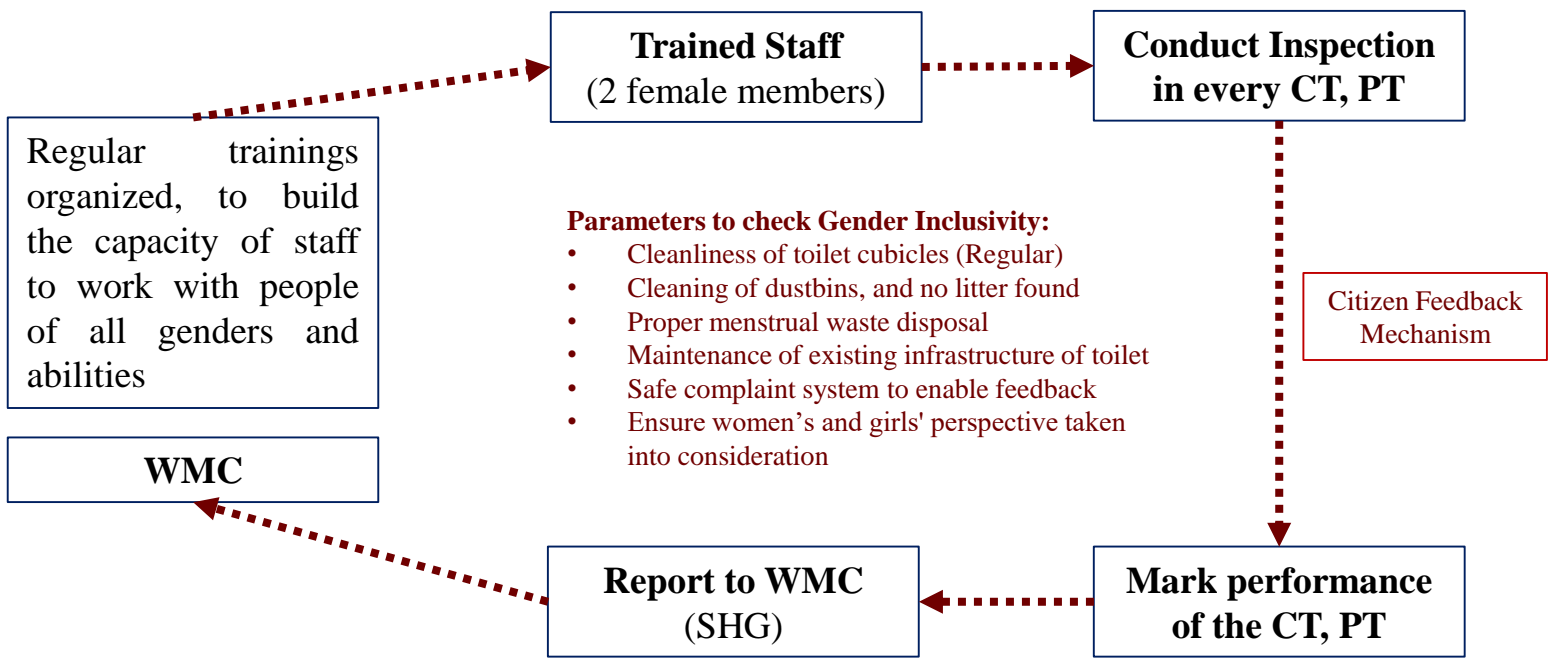
Hooks, shelf and mirror



Cleanliness

Major problem faced in existing CTs are improper management, operation and maintenance of the facilities.

The local SHGs are willing up to take the monitoring and performance assessment of the operators of existing community and public toilets

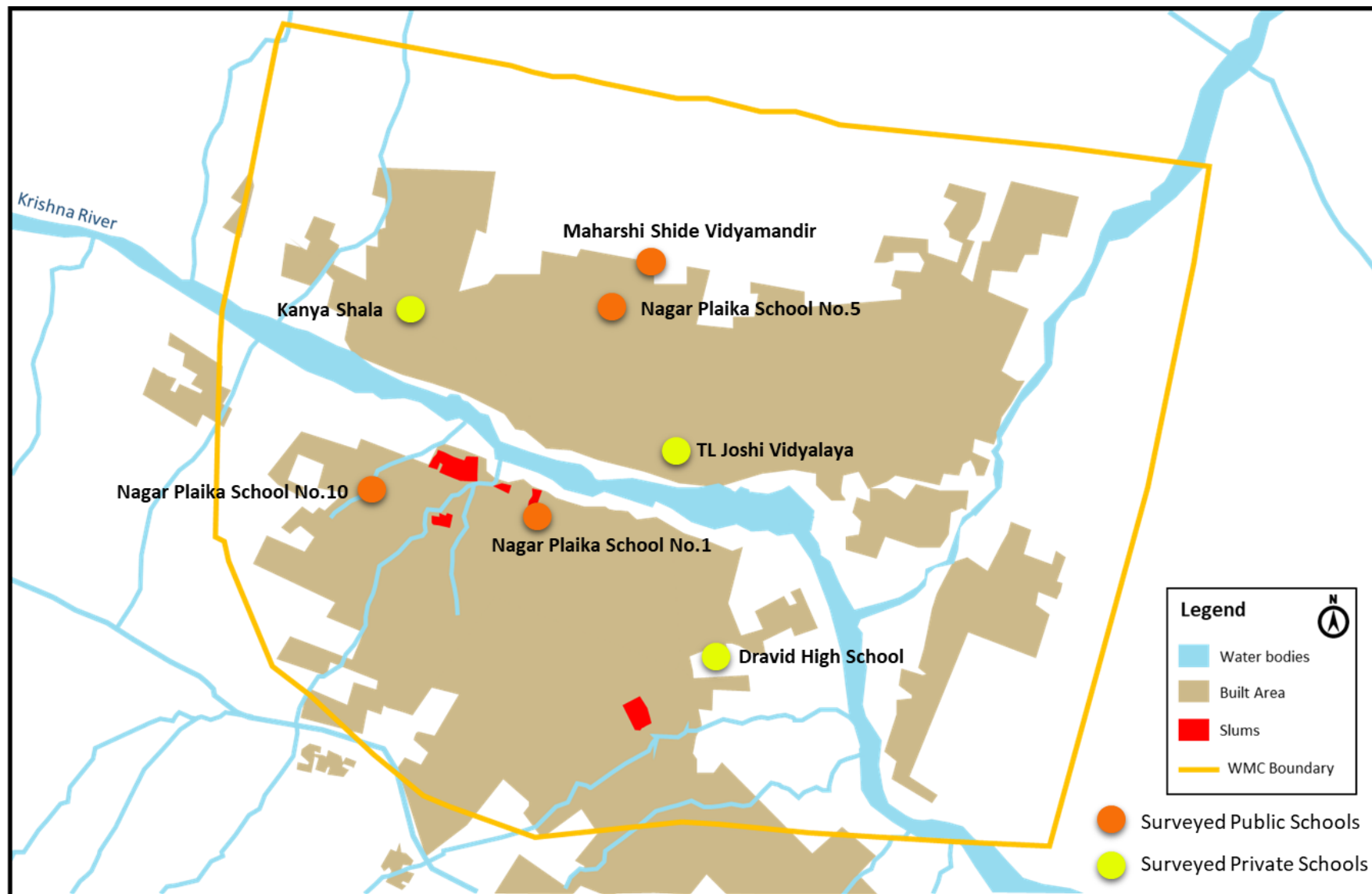




School Sanitation Facilities in Wai



School Sanitation in Wai



Public Schools (Nagar Palika School No.1, 5 and 10, Maharshi Shinde Vidyamandir)

- The urinals and toilets are not in a hygienic condition for school girls.
- There are separate blocks of toilets in every school and the doors were locked after school timings.
- The toilets are cleaned daily before and after school timings (as reported).

Private Schools (T L Joshi Vidyalaya, Dravid High School, Kanya Shala)

- The condition of private schools are similar to public schools of Wai.

Every school have teachers (female), to whom girls reach out during emergency. These teachers have given menstruation education to school girls (6th-10th std.). Some govt. officials and NGOs come and also take special lectures and supply free pads to them.

Existing Conditions in Schools of Wai



The school is located adjacent to a community toilet. The girls use the toilet for their needs, as the school doesn't have adequate sanitation facilities for girls.



The water facility provided inside the girls toilet in Maharshi Shinde Vidyamandir.



The urinals for school girls, without any water facility, electricity, private space or drainage facility.

- The Rural Hospital of Wai is given in charge of awareness in public schools of Wai.
- Under National Health Mission, Rural Hospital have adopted the **ARSH (Adolescent Reproductive and Sexual Health)** Programme.
- Under which they visit every school, **once in 6 months and counsel the students about sex education and menstrual hygiene.**
- They sensitize students about the preventive and curative measures related to their menstrual health.
- They also distribute free pads and sensitize about its proper usage and disposal mechanism.

Construction of new toilets and urinals in schools of Wai

The immediate priority should be given to the above mentioned schools, as there is requirement of creation of **9 toilets** and **12 urinals** for school girls in these 3 schools.

Name of school	No. of girl students	Toilet seat		Urinal seat		Condition	Infrastructure gap			
		Girls	Boys	Girls	Boys		Toilet seat		Urinal seat	
							Girls	Boys	Girls	Boys
Nagar Palika School No.1	59	0	1	0	3	Poor-unhygienic	1	-	3	-
Nagar Palika School No.5	218	1	1	10	11	Poor	5	5	1	-
Maharshi Shinde Vidyamandir	176	1	2	0	8	Poor	3	11	8	-

Total cost of building a new toilets and urinals for public schools of Wai: **Rs. 18.14 lakhs**

Funding Agencies:



For construction of the toilets in the schools, public-sector tenders and private-sector CSR can drive toilet construction.

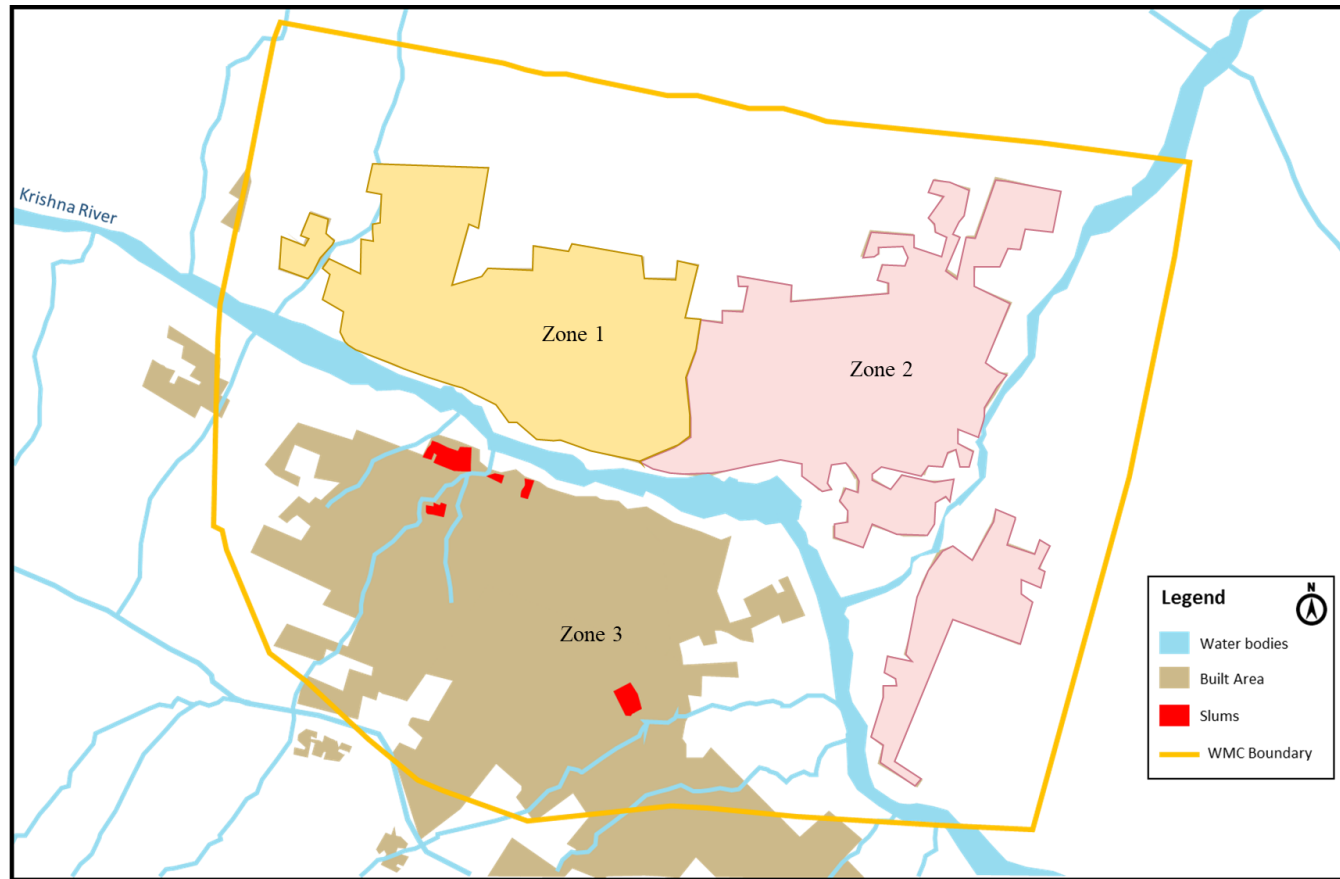




Emptying, Treatment and Reuse



Emptying, Treatment of Fecal Sludge in Wai



- Existing 3 emptying zones present in Wai, for cleaning of septic tanks.
- When the truck arrives, and the men of the households are not present at that time, few women of the households have refused to carry forward the process.
- As the female companion, present along with the emptying team, makes the women of the households understand about the importance of cleaning and its effects, they agree to empty their septic tanks.



- I was appointed as a female plant operator by the TIDE Technocrats.
- I oversee day-to-day operations in the plant.
- But sometimes I feel unsafe to work alone there, due to the location and isolation of the place.
- I feel it as a great opportunity for girls and the work as taboo breaker in professional and technical field.
- Such employment opportunities should be promoted for girls who are technically well-versed.



Decision Making in Sanitation



Decision Making in WMC and Sanitation Department



Meeting with Chief Officer of Wai

11/21 are Female Councilors

Wai Municipal Council
(led by the president Mrs. Pratibha Shinde)

10 Administrative & 20 Electoral Wards
(led by 2 nagarsevaks per ward)

Executive Wing

Executive wing
(led by the chief officer Mrs. Vidya Pol)

- General Admin.
- Accounts
- Health & Sanitation
- Water supply
- Others

Organogram of WMC

5% of total budget of Wai is reserved for women. (7 lakhs have been used till now)

Chief officer
Mrs. Vidya Pol

Water Supply and Sanitation Engineer
Ms. Kranti Waghmale
Graduate, Age: 24
(1 sanctioned, 0 vacant)

Sanitary Inspector
Mr. Guntant Khopade.
Graduate, Age: 53
(1 sanctioned, 1 vacant)

Sanitary Supervisor
(2 sanctioned, 4 working, 1 vacant)

Sanitary workers
(31 sanctioned, 60 working (on field 46), 0 vacant)

Organogram of Sanitation Dept. (Executive Wing)

- Fire brigade**
1 Driver, 2 Firemen
- 1 Desludging vehicle**
1 Driver, 3 helper
- 10 Waste collection vehicles for SWM**
10 Driver, 10 helper
- Garbage Compactor**
1 Driver, 4 Sweepers
- WMC Tractor**
1 Driver, 2 sweepers

All drivers are contracted





Existing SHGs



Existing Self Help Groups in Wai



- There are **existing 99 SHGs** registered in Wai under NULM.
- **95%** of SHGs in Wai are **lead by women**.
- Most of the women in Wai are **engaged in small-scale works, like beauty parlour, tailoring, small shops, etc.**

‘**Khazgid Swacchata Shetrata Gath**’ is formed by **Mrs. Pratibha Sudhir Lad**, who is also an employee at Sanitation Dept. at WMC works for the sanitation workers and sweepers in Wai.

- She formed this SHG on her own along with the **Scheduled caste women**, who are engaged in the work of toilet cleaning, sweeping, floor moping, etc.
- This SHG helps in providing funds for facilities like gas stoves and connection, space for construction of house, or renovation of old house, etc.



Wai as the Women-led town of Maharashtra



The role in decision making can be strengthened by **allocating certain roles and responsibilities to women councillors towards women and girls of Wai, their cleanliness and hygiene**

Capacity building for councillors of Wai, to understand their roles and responsibilities.



Tapping the potential of **5%** budget allocation for women in WMC

This value can be used for providing capacity building programs of sanitation for ULB staffs, awareness programmes for women, IEC programs in sensitizing women of Wai about knowledge of de-sludging.



Enabling women entrepreneurship among SHGs of Wai

The existing entrepreneurship loans can be channelized through the SHGs



The successful programs like **coaching visits with formation of community saving groups** can be formed for hygiene and sanitation promotion.

The **capacity building training programs** should be done for SHGs to sensitize them about sanitation practices, new opportunities, product designing, designing of menstrual absorbents.

The SHGs can take up opportunities like reuse of compost from the treatment plants, revenue generation from it, and sensitizing local people about its safe usage.



Gender Inclusion across Sanitation Value Chain

Short term goals

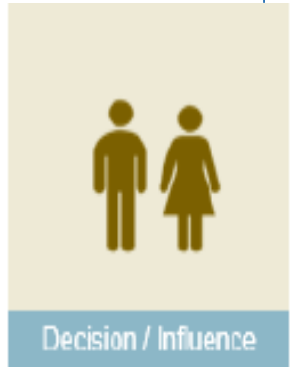
Capacity Building of women council members and leaders

New gender friendly parameters to be incorporated for new toilets

New public toilet in bus stand

New contract for operation and maintenance of CT, PT

Awareness activities by local SHGs to sensitize about scheduled emptying



Decision / Influence



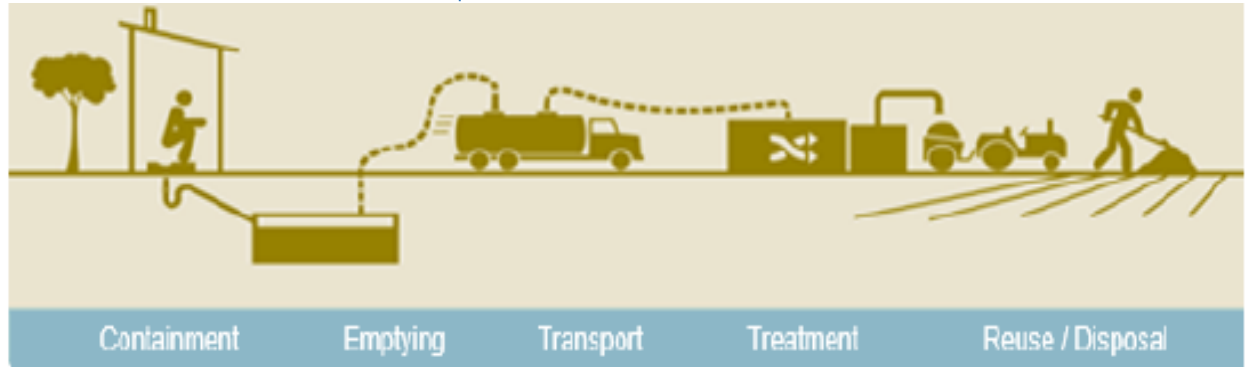
Facilities and Use



Construction



Maintenance



Containment

Emptying

Transport

Treatment

Reuse / Disposal

Long term goals

Capacity Building of women to engage in this sector and creating new employment opportunities

Sanitation entrepreneurship for SHGs for reuse of by-products



“Gender inclusivity does not magically design and achieve itself”

- Water Aid, 2018

Thank You