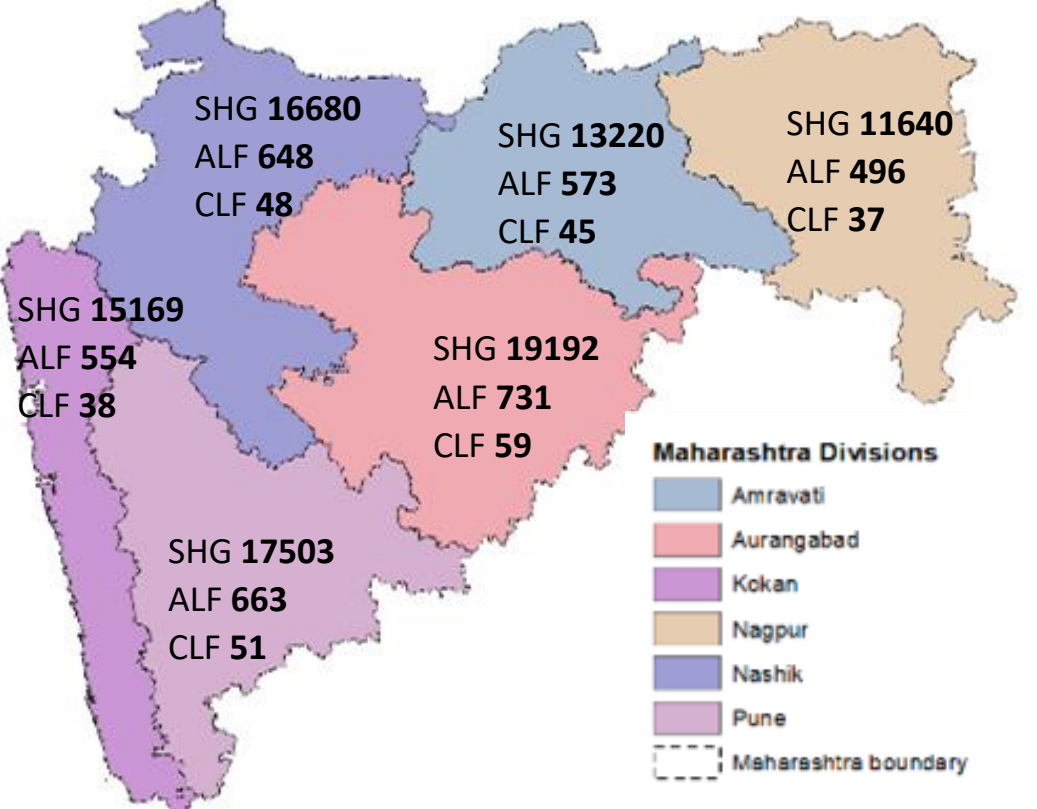


# Recognizing and empowering women for enhancing the urban environment by embracing an inclusive and climate resilient approach to sanitation

*Ninad Deshpande, Jinal Chheda, Omkar Kane*

## Moving towards empowering women...

**Women Reservation in ULB**  
 50% elected positions  
 30% executive wing

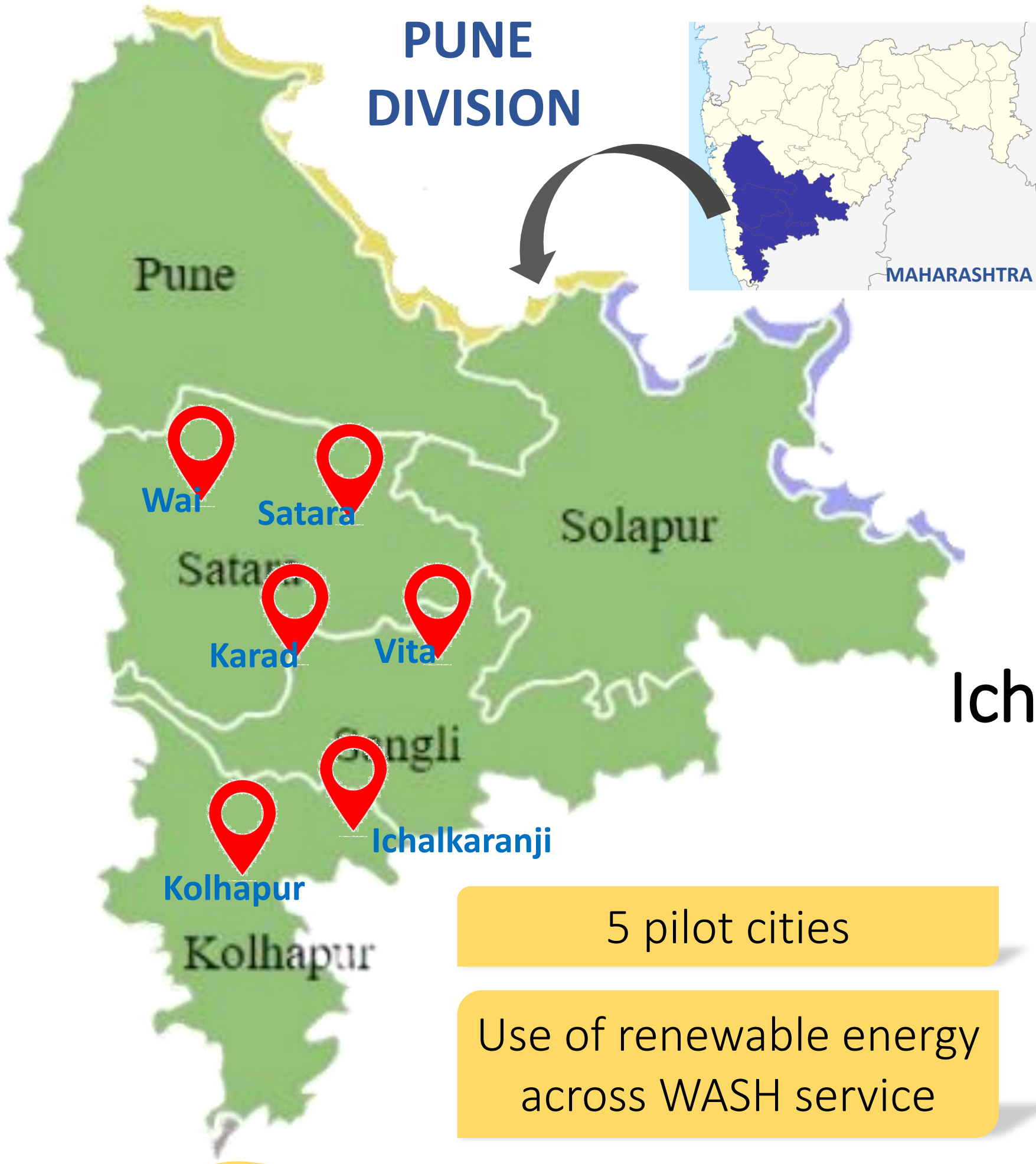


**Maharashtra has an active network of SHGs which can be leveraged for WASH**  
 SBM NULM convergence win win situation for both ULB and providing livelihood to alleviate poverty

Local governments have formally engaged SHGs not only for sanitation but for other municipal services all over Maharashtra. They have been instrumental for engaging SHGs, following a bottom-up approach.



## Towns of Maharashtra are building climate responsive WASH services with inclusion of women groups to deliver or maintain services



Reducing 16% dependency on conventional energy source of municipal services as per current usage.

**Karad**

Clean energy generated till June  
**126** MWH

Clean energy generation potential over 25 years  
**8550** MWH

Emission reduction Potential (over 25 years)  
**7,011** tons CO2

**Satara**

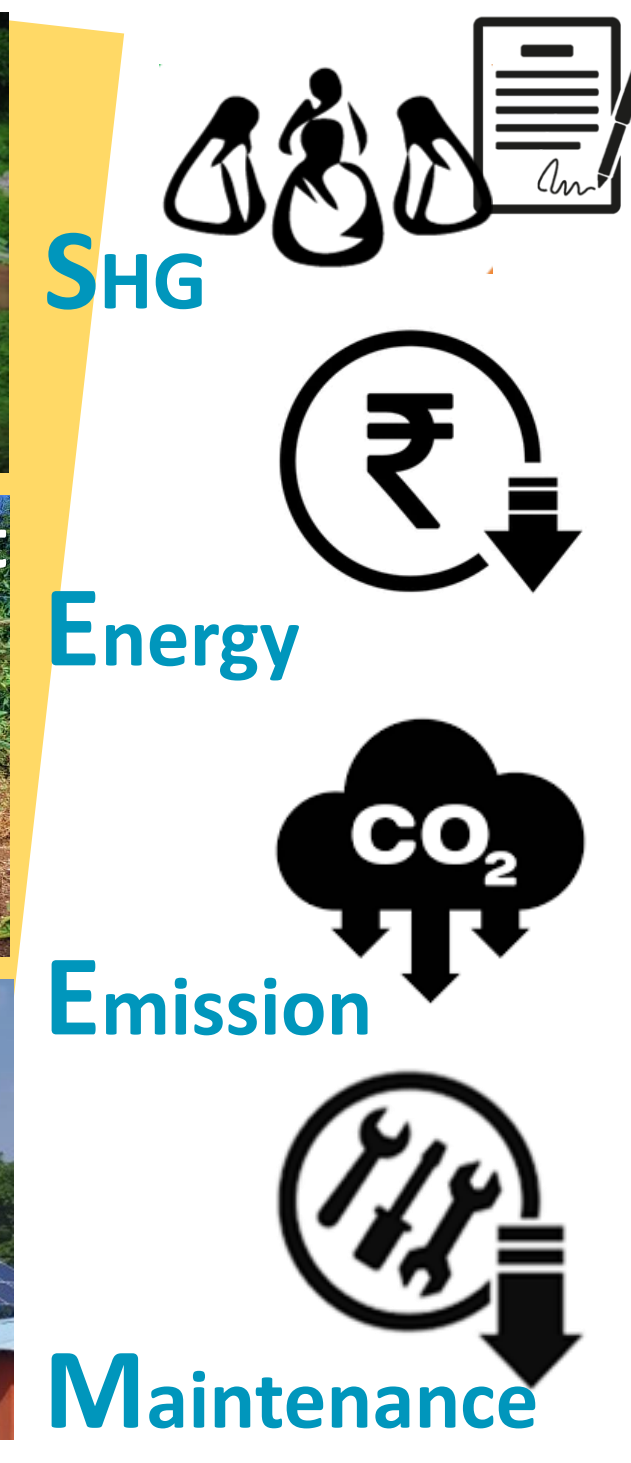
**Wai**

Projected Overall cost saving (25 yrs)  
**INR 5.9 Cr.**

- 01 WASH assessment  
 FSSM Implementation  
 Women engagement along value chain
- 02 Treatment Facility  
 100% reuse of by products  
 Women/SHG engagement for O&M
- 03 IT enabled monitoring system  
 Providing equitable and inclusive service  
 Learnings scaled up at state level
- 04 Solar FSTP; net energy positive stage  
 Urban forest acting as carbon sink, improved biodiversity



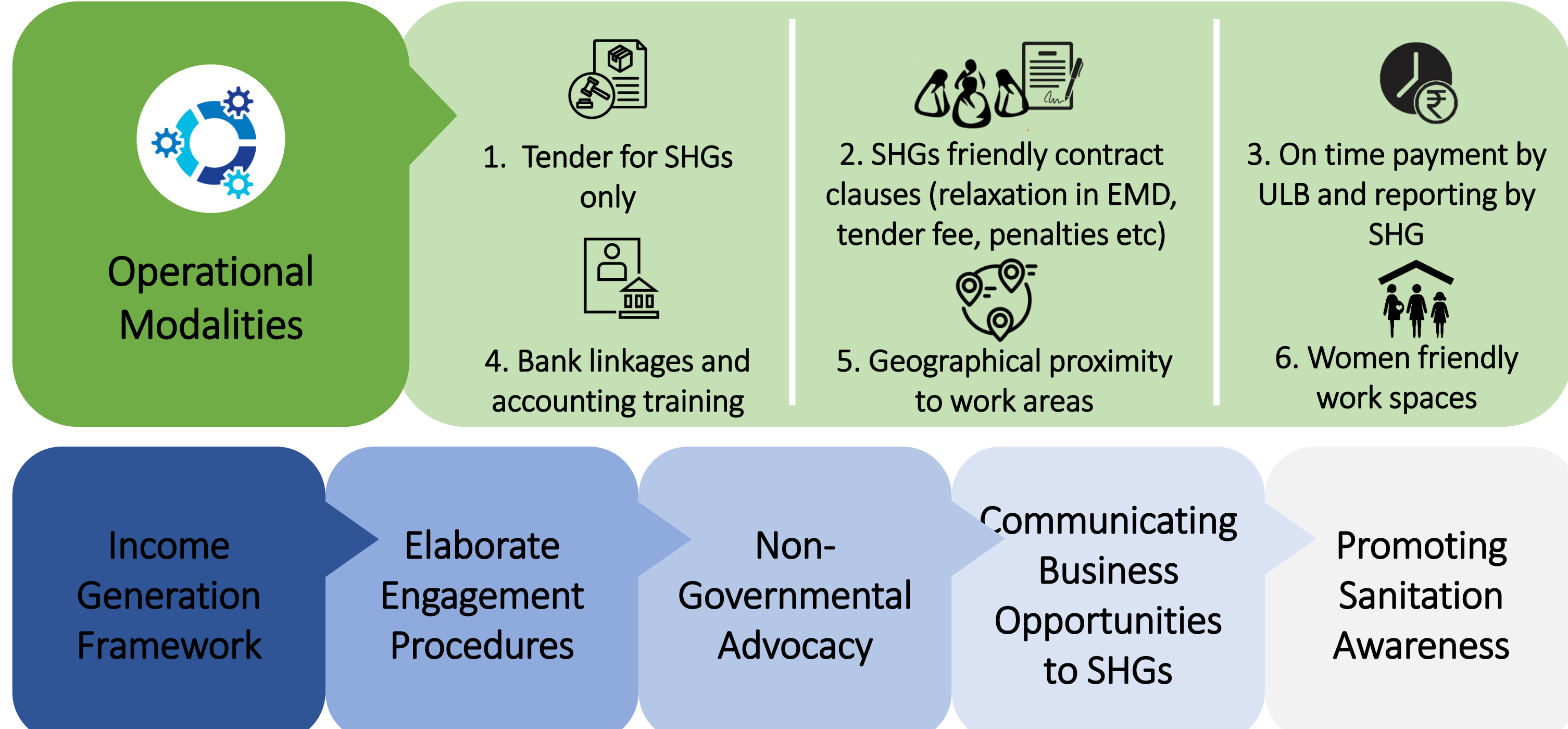
**Women – plant in charge; SHGs operating urban forest**



## Climate-resilient WASH services and activities are vital to solve climate change impacts

1. Optimizing logistics: Bulk IHHT application and construction contracts, septic tanks as per ISO standard, EV desludging vehicles, Solar FSTP
  2. Use of renewable for emissions reduction
  3. Periodic maintenance of electrical machinery in WASH for better efficiency
  4. 100% reuse of treated products to possible energy resources
- Universal access to IHHT
  - Implementation of FSSM: from SD to resource recovery
  - Urban forest: carbon sink, biodiversity, improved soil quality
  - Reduced fresh water consumption by reuse
  - Exploring co treatment for nearby small towns

## Enhancing Women's Participation: Strategies



## Navigating towards SDG 6: An inclusive sanitation approach for mitigating climate change impacts

