

Positive Environmental Outcomes of Odisha's climate resilient FSSM Interventions

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Global South Academic Conclave on WASH and Climate linkages

2nd - 4th February 2024, Ahmedabad

WHERE WERE WE IN 2015?



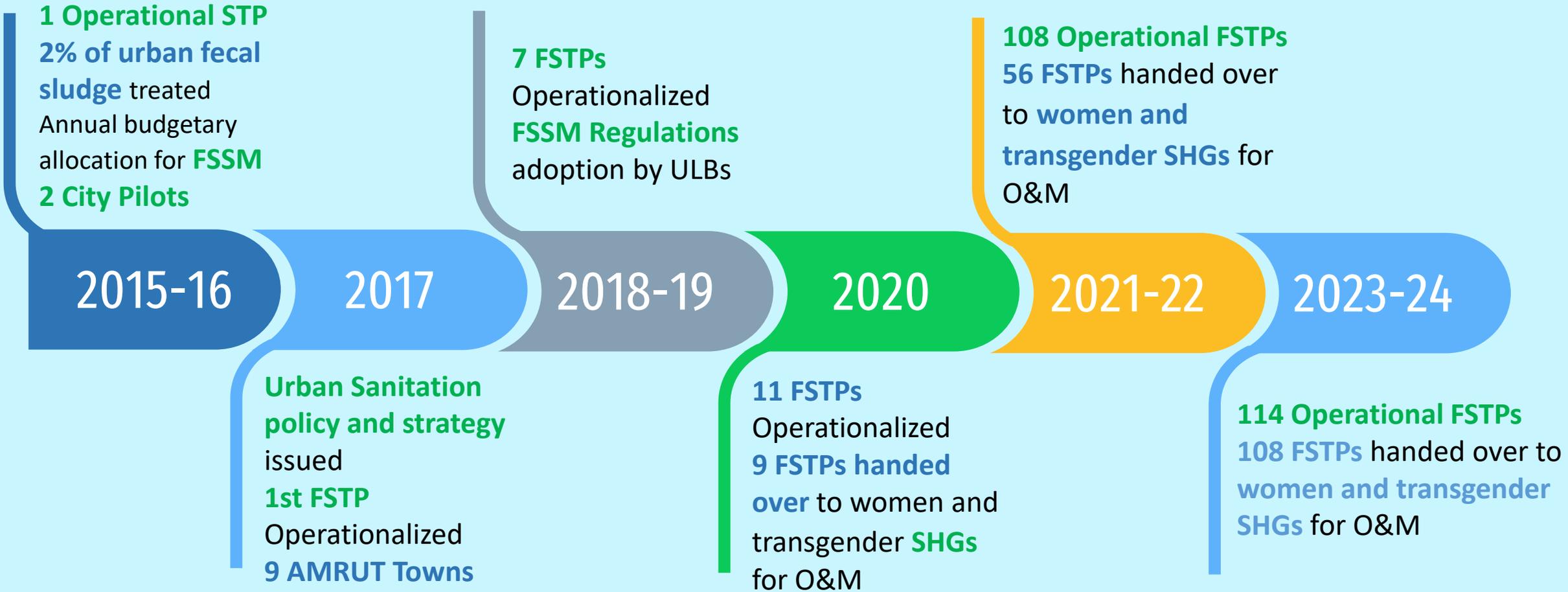
- Only 2% urban households had access to safe means of faecal waste disposal

WHERE WERE WE IN 2015?



- ~ 19 major river systems across the State were severely polluted

OUR JOURNEY SO FAR



CLIMATE RESILIENT INTERVENTIONS



- The FSTP operates on the Decentralised Wastewater Treatment System (DEWATS) technology, which is fuel-free and produces no harmful gases or by-products.

CLIMATE RESILIENT INTERVENTIONS



- **Safe transportation of faecal waste**

CLIMATE RESILIENT INTERVENTIONS



- **Mechanized desludging**

CLIMATE RESILIENT INTERVENTIONS



- **Locally adopted resources and low technology that requires minimum power, water, and resources, that can easily be managed by local community women and transgender SHGs**

CLIMATE RESILIENT INTERVENTIONS



- **108 Women and Transgender SHGs engaged in O&M of the FSTPs**

CLIMATE RESILIENT INTERVENTIONS



- **Testing of wastewater in laboratory managed by Technical Resource Person (TRP)**

CLIMATE RESILIENT INTERVENTIONS



- **100% Utilization of treated wastewater**

CLIMATE RESILIENT INTERVENTIONS



Treated water from FSTP used in plantation inside the plant

Treated water loading station at Puri FSTP



Used for developing nursery grown inside FSTP in Mohuda, Berhampur

Used in washing cesspool

Used in road curing in Jatani

CLIMATE RESILIENT INTERVENTIONS



- **Abundance greenery in the FSTP premises**

CLIMATE RESILIENT INTERVENTIONS



- **Use of Treated biosolids in non-fruit bearing plants**

CLIMATE RESILIENT INTERVENTIONS



- Installation of Solar panels and connected to on-grid metering

CLIMATE RESILIENT INTERVENTIONS



- Significant reduction in water pollution in the state

WHERE ARE WE NOW?



- **98% of urban population has access to safe means of faecal waste disposal**
- **100% Treatment capacity created in 115 cities**
- **17 out of 19 river stretches have come out of the severe polluted to non-polluted**

Thank You

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