

SOLID AND LIQUID WASTE MANAGEMENT (SLWM) in Dhenkanal District

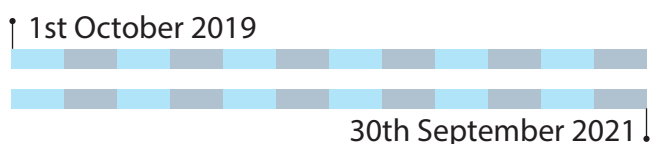
Project Government Partners

Panchayat Raj and Drinking Water Department, Government of Odisha	Housing and Urban Development Department, Government of Odisha	District Administration, Dhenkanal
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Project Funding Agency UNICEF

Knowledge Partner Scaling City Institutions for India (SCI-FI), Centre for Policy Research (CPR)

Project Duration



1. Background of the Project

The Project is being implemented in the Dhenkanal district in the state of Odisha in consultation and partnership with the Panchayat Raj and Drinking Water Department and Housing and Urban Development Department, Government of Odisha, the Dhenkanal District administration and the Dhenkanal Municipality.

The Project focuses on district-wide sanitation through leveraging the available urban Faecal Sludge Treatment Plant (FSTP) for safely managing faecal sludge generated in the neighbouring Gram Panchayats (GPs) and demonstrating solid and liquid waste management in a cluster of Gram Panchayats in the district. The main aim of the Project is to create a model that enables scaling up of SLWM services and systems in rural areas at both the state and national levels.



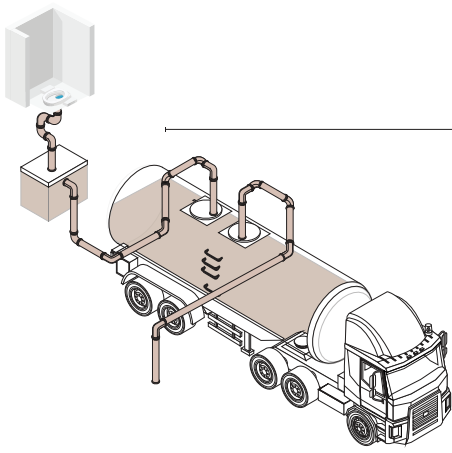
2. Vision of the Project

Dhenkanal emerges as one of the first districts in India to have “safely managed sanitation” as defined by indicators in SDG 6.2.1 (proportion of the population using safely managed sanitation services) and Government of India’s SLWM Guidelines for GPs.



3. Expected Outcomes of the Project

- Collection, transportation and treatment of faecal sludge from GPs neighbouring the Dhenkanal Municipality FSTP is operationalized ensuring community participation
- Based on a district-wide sanitation plan, at least one cluster of GPs demonstrates an SLWM system for safely managing solid and liquid waste



4. Components of the Project

The Project has the following two components in line with its expected outcomes:












1. To leverage on the available urban FSTP facility in Dhenkanal Municipality to safely manage FS generated in the neighbouring GPs
2. To extend support in demonstrating a pilot on SLWM in identified Greenfield cluster of Gram Panchayats

To successfully implement both these components, the Project will undertake the following activities:

- Assessing the district's SLWM landscape through primary and secondary data
- Grouping all the Gram Panchayats in the district into SLWM planning clusters
- Conducting institution stakeholder mapping
- Creating strategies and collaterals for IEC and capacity building
- Identifying SLWM technology options suitable for the district's rural areas
- Developing a comprehensive district-wide sanitation plan
- Strengthening the regulatory environment for implementing interventions

Deliverables of the Project

The Project will deliver the following outputs through the successful execution of its aforementioned components and activities:

 1	 2	 3
<p>List of GPs to be serviced by the Dhenkanal Municipality FSTP identified through detailed analysis</p>	<p>Administrative provisions/orders (MoU/MOA) in place for Dhenkanal Municipality FSTP to receive sludge from identified GPs</p>	<p>Plan for transporting faecal sludge from selected GPs to Dhenkanal Municipality FSTP in place</p>
 4	 5	 6
<p>Amended tender contract for the operators engaged by Municipality to extend FSM services in the identified GPs</p>	<p>District-wide sanitation plan for SLWM for the Dhenkanal District</p>	<p>Note on the SLWM landscape in the district based on a primary survey of 1000 households</p>
 7	 8	 9
<p>Laboratory reports for waste characterization in the identified greenfield cluster</p>	<p>Pre-feasibility study for technology selection</p>	<p>O&M plan for the SLWM system developed in the greenfield pilot cluster</p>
 10	 11	
<p>Recommendation Note for site selection for SLWM facilities in rural areas (regulatory framework)</p>	<p>Demand Generation and Capacity building collaterals</p>	

