

## Project: Pilot Implementation of FSM Standard in Nepal

- Project Donor/Partner** : Bill and Melinda Gates Foundation (BMGF)/Kathmandu Valley Water Supply Management Board (KVWSMB), Nepal Bureau of Standards and Metrology (NBSM), Innovative Solution Pvt. Ltd.
- Project Area** : Mahalaxmi Municipality, Lalitpur district, Bagmati Province; Godawari Municipality, Lalitpur district, Bagmati Province; Waling Municipality, Syangja district, Gandaki Province
- Project Duration** : January 2022 to December 2023
- Project Goal** : Contributing to achieve SDG 6.2

### Project Brief:

With the declaration of 293 Municipalities in Nepal, the percentage of households connected to septic tanks has further increased. However, Non-Sewered Sanitation (NSS) and Fecal Sludge Management (FSM) systems in cities, small and emerging towns are poor and unregulated due to various reasons. The unsafe disposal of fecal sludge on one hand is polluting the water bodies and environment while on the other hand is posing the threat of water-borne diseases to public health.

With this backdrop, ENPHO, with the support of BMGF is implementing 'Pilot Implementation of FSM Standard in Nepal Project' for the management of basic on-site domestic wastewater services in Municipalities. This project is the first of its kind in Nepal and globally. The project is adopting a City-Wide Inclusive Sanitation (CWIS) approach while addressing the entire sanitation service chain in Mahalaxmi Municipality and its replication in the other two Municipalities- Godawari, Lalitpur and Waling, Syangja.



## Major Outputs:

- Oriented municipal leaders and authorities from 20 Municipalities on FSM By-Laws and its implementation process and developed FSM By-Laws of Banepa, Changunarayan, Godawari, Illam, Kolhabi, Lamahi, and Patan Municipalities.
- Prepared Licensing Mechanism guideline (draft) for fecal sludge and septage emptying and transport services in coordination with KVWSMB and WASH Experts.
- Trained masons and registered consultant designers/engineers on standard septic tank and sanitation workers on Occupational Health and Safety in Mahalaxmi, Godawari and Waling Municipalities.
- Organized door-to-door and mobile booth campaigns in Mahalaxmi and Godawari Municipalities to raise public awareness on fecal sludge management and safe containment.
- Developed institutional and monitoring mechanisms for septic tank construction and launched eBPS and Sanitation App in Mahalaxmi Municipality.
- Improved containment through installation of Ready-to-Install septic tanks in Mahalaxmi, Godawari and Waling Municipalities and innovative technology- Safe Water Garden in Godawari Municipality.

## Major Achievement:

**Established and implemented regulatory framework for safe sanitation in Mahalaxmi Municipality:** Implementing FSM By-Laws, Mahalaxmi Municipality has developed institutional and monitoring mechanisms for the construction of standard septic tanks and has enforced its construction in the field.

**Implementation of Integrated Municipal Information System (IMIS) :** For the first time in Nepal, Mahalaxmi Municipality is implementing IMIS. The IMIS has been integrated with the municipality's eBPS and now facilitates the Municipality in planning, management and monitoring and evaluation of standard septic tank construction along with other sanitation systems and services.

## Beneficiaries served:



Male : 664

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Female : 217

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Total : 881

