

## Stimulating Faecal Sludge Management (FSM) Business for Effective Service Delivery in Sustainable Sanitation through Private Sector Engagement in Kathmandu Valley

**Status: Completed**

**Project Partner:** The Bill and Melinda Gates Foundation; DfID; Lalitpur Municipality Office; One Planet Solutions Pvt. Ltd.  
**Project Area:** Kathmandu Valley  
**Project Duration:** May 2014 – November 2014

### Aim:

The main aim of the project is to provide safe and improved access to sustainable sanitation through private sector engagement and regulation of key policies related to FSM in the city.

### Project Description:

The Government of Nepal has set a target of achieving universal access to sanitation by 2017. Many agencies are promoting various sanitation systems but proper planning of FSM is often neglected which is causing severe adverse impact in the environment. FS generated from on-site sanitation systems in urban areas are disposed of haphazardly into the environment and illegally dumped into the sewers due to lack of proper FS treatment systems. The Bagmati River is heavily polluted due to the discharge of untreated sewerage including unsafe disposal of solid waste and faecal/septage sludge. The main objective of this project is to develop comprehensive FSM strategy and business model for Kathmandu Valley by assessing current status, institutional arrangements, potential partners, policies, guidelines and associated problems.



### Project Outputs:

- Conduct household survey to identify status of on-site sanitation systems and FS services in Kathmandu Valley;
- Perform gaps and needs assessment of private service providers and conduct FSM market segment analysis, assessment of business environment and competitive analysis in Kathmandu Valley;
- Analyze institutional and policy frameworks of relevant stakeholders (LSMC, KUKL/PID & others) to identify gaps and opportunities in FSM service delivery;
- Prepare consolidated business plan to integrate FSM in Shreekhandaapur Wastewater Treatment system.

### Beneficiaries:

- Whole population in Kathmandu Valley

### Project achievements:

- Prepared consolidated report on household survey on FSM in Kathmandu Valley. The calculations showed that about 170,000 m<sup>3</sup> faecal sludge is emptied annually;
- Initial survey revealed that 11 private operators are providing desludging services in Kathmandu Valley;
- Lack of proper by-laws, policies and guidelines is another major bottleneck identified for effective faecal sludge management in Kathmandu Valley;
- Prepared viable business plan for integration of FS in Shreekhandaapur Wastewater Treatment System.