

Implementation of “SAFA and SWASTHA Gulariya” Project

Status: Completed

Project Partner: Practical Action Nepal

Project Area: Gulariya Municipality

Project Duration: August 2014 - July 2016

Aim:

To achieve sustainable ODF (Open Defecation Free) in Gulariya Municipality.

Project Description:

A two year project entitled “SAFA and SWASTHA Gulariya (Open Defecation Free Gulariya Municipality by 2015)” is being implemented in Gulariya municipality, Bardiya, with financial support from Practical Action. The main objective of the project is to achieve sustainable ODF in Gulariya municipality.

Project Outputs:

- Increased coverage of sanitation facilities
- Enhanced capacity of local stakeholders
- Piloted innovative solutions in sanitation such as improved/disaster resilient sanitation facilities.
- Construction of faecal sludge treatment plant.
- Declaration of SWASTHA communities.
- Promotion of inclusive/good governance through participatory planning approach.

Project Achievements:

- Constructed 5,385 toilets in zero subsidy, with support of Gulariya Municipality
- Three Communities (Dipendranagar Tole, Surajpur cluster and Kothiya cluster) declared as Total Sanitation communities.



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- Altogether 145 (including 91 female) individuals who were trained as local agents on WASH (FCHVs/WATSAN Volunteers/ social mobilizers) are effectively engaged for community mobilization.
- Community orientation on WASH were provided to 10,045 (including 4,788 female) community people and local stakeholders
- Awareness and behavior change campaigns were organized with an objective to raise awareness on WASH benefiting 48,169 community people (female - 24,670).
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- Faecal sludge treatment plant constructed in Gulariya
- Enhanced capacity of 10 communities in participatory planning and developed Community Action Plans (CAP).
- A total of 31 schemes were prioritized in these CAPs.
- Gender friendly public toilets constructed in Gulariya.

Beneficiaries:

Total 60,379 population (31,079 Male and 29, 300 Female) and 10,922 HHs.

Faecal Sludge Treatment Plant in Gulariya

Gulariya Municipality faced several challenges during the Open Defecation Free movement. Furthermore, prioritization of the needs to be addressed for the achievement of sustainable sanitation were key in gaining long term health benefits in the area. One of the biggest challenges and needs for the achievement of sustainable sanitation was the construction of faecal sludge management infrastructure for systematic management of sludge in latrine pits and septic tanks within Gulariya municipality.

In line with piloting innovative solutions in sanitation, a Faecal Sludge Treatment Plant has been constructed in Gulariya municipality, Bardiya under the Safa and Swastha Gulariya project. The treatment plant is capable of processing 3 cubic meters of sewage per day and utilizes seven sludge drying beds and single units of settler, anaerobic baffled reactor. Furthermore, 3.7 cubic meters of wastewater flows through the plant per day. Additionally, planted gravel filter (horizontal flow constructed wetland), with a surface area of 28 square meters, processes the overflow wastewater for treatment purposes. The treatment plant benefits over 60,000 individuals, collectively over 10,000 households.



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