Promote Safe & Productive Use of (Solid & Liquid) Waste for Food Production around Urban Areas in Surkhet

Status: Completed

Project Partner: Resource Centre on Urban Agriculture and Food Security (RUAF Foundation) & WASTE-The Netherlands

Project Area: Birendranagar Municipality and Kunathari VDC, Surkhet

Project Duration: March 2016- December 2016

Aim:
To promote safe and productive use of (solid and liquid) wastes for food production

Project Description:
This project is developed for implementation of WASH programme on productive reuse in urban settlements and peri-urban areas of Surkhet District. For the productive reuse, a transition scenario of Surkhet with focus on urban region to WASH and food security that also includes re-use. Analysis and development of re-use component such as amount, quality, price of water and nutrients and potential users, urban or rural farmers and cost benefit was conducted for the sanitation systems with re-use aspect. Also, monitoring protocol with indicators on nutrients, water, agricultural production and income generation will also be developed based on FIETS framework of WASH and linked with WASH PME framework.

Project Outputs:

- Capacitated local stakeholders including JTA students on productive reuse and urine application research with different vegetables.
- Developed system and Urine Application Curriculum for agricultural school.
- Participatory research conducted on selected urban, peri-urban and rural farmers.
- Design, adaptation and validation of re-use component to existing and new sanitation systems.
- Training to support in developing faecal sludge management plan and revision of M-WASH plan with incorporation of productive reuse.
- Promotion of Kitchen Gardening and Roof Top Farming.
- Trained women on "Productive re-use & urban agriculture"
Major Achievements:

- Developed factsheet on "Integrated School WASH in Surkhet"
- Regional workshop on "Urban Sanitation and Urban Agriculture - An Opportunity of Scaling Up in Mid-Western Development Region" conducted
- Research on Urine application in vegetables conducted in two JTA schools
- Developed "Curriculum of Urine Application on JTA course of study"
- Practice of urine in agriculture by farmers using EcoSan toilet.

Beneficiaries:

Total Beneficiaries from the Project

1,025 people