



Environment: Forestry, Energy & Ecosystem Services

Sustainable Production of Commercially Viable Products from Municipal Wastes through Public-Private Partnerships in Green SMEs, Green City, Green Agro Products and Green Employment Generation (PPP for 4Gs)

About the Project

The project will pioneer an innovative Public Private Partnership (PPP) between Ilam Municipality and the private sector that fuels a commercially-driven cycle of solid waste management.

The PPP for 4Gs model integrates four dimensions of sustainable solid waste management: green Small and Medium Enterprises (SMEs), green city, green agricultural products and green employment generation. SMEs will create a streamlined waste management system for degradable and non-degradable waste that incorporates segregation, collection, recycling, final disposal of residual and the management of a new plant that generates compost for vegetable and tea cultivation. The project supports Ilam Municipality's visionary "Green City" initiative while creating new green jobs in newly created SMEs and setting a benchmark for replication in Nepal's remaining 217 municipalities. The initiative will build up on Ilam's existing activities and plans in a holistic approach that ensures a commercially viable product – organic compost – and recyclables at the end of the waste management cycle. It works on four core interwoven components: enable sustainable waste management systems, construction of compost plant through PPP, promoting compost use for organic farming and mobilizing financing institution for access to credit to enhance organic farming.

Project Objectives

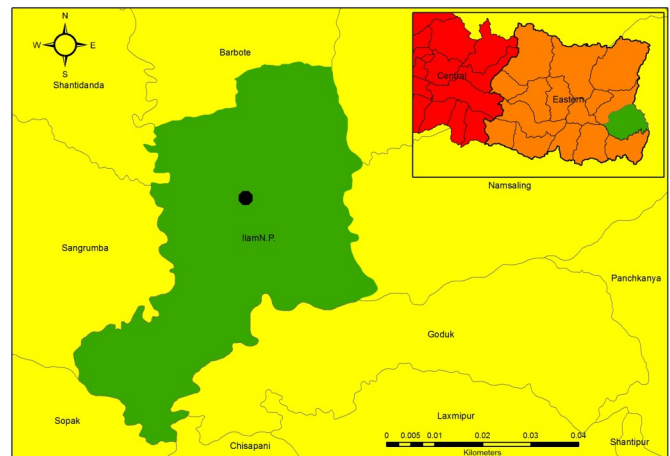
- To establish the sustainable waste management system and the entity to operate and manage the compost plant through a PPP between the municipality and the private sector
- To establish and strengthen the waste management based SMEs (specifically recycling)
- To encourage vegetable and tea SMEs in increasing use of organic fertilizer
- To support vegetable and tea SMEs and waste SMEs by creating access to possible financial options

Expected Project Outcomes

- PPP established between Ilam Municipality and the private sector
- Composting plant constructed and is operational
- Policy papers on SWM and PPPs drafted and disseminated
- Toile committees activated on waste segregation and management

- Four waste management SMEs established and strengthened
- The agro-cooperatives in organic vegetable farming using compost are enhanced
- Quality exports of Orthodox and CTC tea producers is enhanced by producing higher quality organic products
- Financial institutions are in place to mobilize loans, loan guarantees and other forms of financing to waste management SMEs and agro-cooperatives

Working Areas



Project Activities

The project activities are divided into 4 broad components:

- Enable comprehensive segregation, collection, processing, and marketing of solid waste through composting for environmental benefits and greenhouse gas reductions through PPP
- Establish and enhance various SMEs at different stages of the waste management process through training, linkage and technical assistance etc
- Promote use of compost in vegetable and tea farming by mobilizing farmers' cooperatives and tea producers
- Mobilize local and national financing institutions for access to credit

Project Status & Achievements

- Registered at Social Welfare Council and Central Project Advisory Committee and District Project Advisory Committee meetings held



- 19 local youths including 9 female trained as data enumerators for the survey
- Baseline survey carried out on solid waste production and management in 5,526 families and 741 institutions
- Willingness to Pay survey in 543 households conducted
- Report on Mapping of Waste Value Chain Actors prepared
- Business plan for public private partnership developed
- Detail compost plant design appropriate for Ilam Municipality prepared
- Social mobilization in 2,978 households from 73 Tole Lane Organizations (TLOs) for waste segregation and management conducted
- Weekly radio program being aired through local FM of Ilam reaching out to 30,000 people is being aired
- Institutional level awareness campaign involving 82 participants including 25 female from various TLOs conducted
- Awareness programs in 30 schools of Ilam targeting students and teachers is being conducted
- Orientation and interaction meetings with social mobilizers and female community health workers was conducted
- Training on safe and sustainable waste management for 40 local individuals conducted
- Outreach and visibility materials with information encouraging behavior change developed
- Exposure visit to compost plants in Nala-Kavre, Panga-Kirtipur and Hetauda involving 41 participants including 13 female completed
- Training on income generation through sustainable mobilization of solid waste for 25 local stakeholders conducted
- Orientation on public private partnership and public private partnership procurement process for 25 participants conducted
- Local field office at Ilam Municipality established
- 12 coordination meetings with local stakeholders conducted

Roles and Responsibilities of Partners



Ilam Municipality: Ilam Municipality was established in 1958 AD and is one of the oldest municipalities of Nepal. Ilam Municipality is incorporated under Local Self Governance Act, 1999 and reports to Ministry of Federal Affairs and Local Development. Ilam Municipality provides services related to Physical Development, Water Resources, Environment and Sanitation, Education and Culture, Transport, Social Welfare to its residents. Ilam Municipality under this project is one of the prime beneficiaries of this project and will coordinate activities, facilitate and endorse new rules related to solid waste management.



Winrock International: Winrock International is a nonprofit organization that works with people in the United States and around the world to empower the disadvantaged, increase economic opportunity, and sustain natural resources. Winrock is a lead partner in this project and is responsible for overall project management, coordinate the creation of the PPP, including design and construction of compost plant and lead the advocacy activities at the national level.



Positive Planet: Positive Planet, a French-NGO, is a leading provider of services contributing to promoting and developing the microfinance and access to finance sector to create employment opportunities for poor populations particularly youth who are excluded from financial services from the formal sector. Positive Planet under this project is responsible for the operational implementation and management of project components related to private sector actors (SMEs) development (technical support and access to finance) and the design and set up of the PPP activity.



Namsaling Community Development Center (NCDC): NCDC is a nonprofit, nongovernmental organization based in Ilam. Established in 1985 AD with a objective of 'Creating self-reliant, equitable and inclusive societies' by directing energies towards sustainable development practices. In this project NCDC is responsible for social mobilization and awareness raising programs at community and household level.

The views expressed in this publication do not necessarily reflect the views of the European Commission.

For additional information:

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