

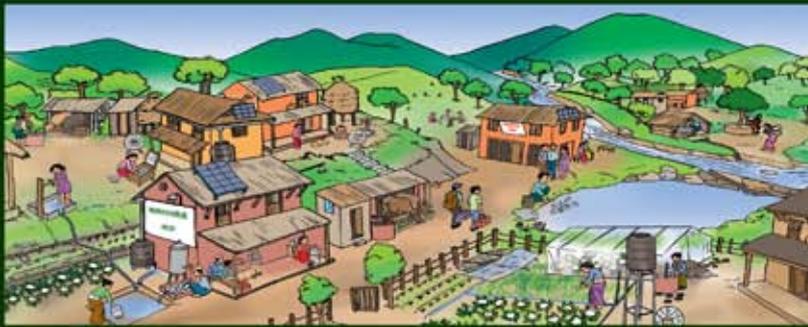
# Evidence Based Advocacy for Low-Carbon, Pro-Poor Sustainable Eco-Village Development (EVD) in South Asia

## Demonstration and Advocacy of Eco-Village Development Concept in Kavrepalanchowk District of Nepal

The Eco Village Development (EVD) is an integrated concept of creating development-focused, low-carbon communities of practice in existing villages. It involves the integration of appropriate, affordable renewable energy technology solutions at village-level for energy, food, water, and livelihood security. This concept can pave the way for stronger rural communities with better livelihood-opportunities, with less adverse climate impacts, and with more resilience to climate change. Centre for Rural Technology, Nepal (CRT/N) has been implementing “EVD” Project in three villages namely Chyamrangbesi, Dhungkharka and Chalal Ganesthan of Kavre district. The Project is in collaboration with District Development Committee (DDC), Kavre, Ghatta Dhani Sangh Kavre as Local Partner Organization, Agricultural Development Office, Kavre, concerned agency, and respective Village Development Committees.



Rain Water Harvesting System and plastic tank has enabled Rupa Tamang from Chalal to collect rainwater to fulfil her water requirements at the time of water scarcity. She now has a pipe installed in her temporary shelter that supplies water collected in the plastic tank. Not only that she learned to construct plastic pond from the EVD project, and she has been collecting unused water from community water supply in the pond. This stored water is use in the vegetable farming by sprinkler. She is very happy as she now does not have to buy vegetable, instead she is selling it and earning money as well.



### EVD Project Partners in 2015- 2017

**Donor Organizations** Civil Society in Development (CISU)-Denmark

**Project Coordinator** Danish Human Settlement Service (DIB) -Denmark  
International Network for Sustainable Energy (INFORSE)- Denmark

**Regional Coordinator** INforSE-South Asia/(INSEDA)- India  
Climate Action Network South Asia (CANSA)  
- Bangladesh

**National Partners** Integrated Development Association (IDEA)  
-Sri Lanka  
Centre for Rural Technology, Nepal (CRT/N)- Nepal  
Grameen Shakti- Bangladesh  
Women’s Action for Development (WAFD)- INDIA



With an on-set of the Eco-Village Development project, Bir Bahadur got opportunities to gain knowledge on various solutions that could contribute to enhancing his livelihood. With raised awareness regarding renewable energy, climate change adaptation and mitigation measures, Bir Bahadur was able to efficiently use local resources in climate-friendly way to improve his livelihood. He also encouraged his son, Sumit Tamang, to take part in a capacity building training on tunnel-based farming process for cultivating off-season tomatoes and on safe food production through organic.

# Solutions for Eco-Village Development



- Improved Cookstove for Household use (CRT/N-Ben-2)
- Two Pot Hole Mud Stove with chimney
- Household Solar Lighting System
- Repair and maintenance of Bio-gas Plant and management of bio-slurry



- Improved Water Mill
- Water turbine for grinding, expelling and processing



- Rain Water Harvesting and use
- Hydraulic Ram Pump for lifting water



- Plastic Tunnel for off-season vegetable farming and organic farming
- Micro Irrigation techniques (Drip Irrigation and Sprinkler Irrigation)
- Cow shed management and preparation and use of organic pesticide
- Fruit and ornamental plant plantation
- Use of waste water
- Fish pond
- Waste management (liquid and decomposable solid waste)



## Glimpse of Project Activities



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Centre for Rural Technology, Nepal (CRT/N)

Bhanimandal, Lalitpur, Nepal, Phone: +977-1-5547627/ 5530071

E-mail: [info@crtnepal.org](mailto:info@crtnepal.org), Web: [www.crtnepal.org](http://www.crtnepal.org), Facebook: [www.facebook.com/crtnepalorg/](http://www.facebook.com/crtnepalorg/)

