

Local Climate & Sustainable Energy Solutions in South Asia Eco-Village Development ToT UN Climate Dialogue 2020 Side Event November 26, 2020

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Proceedings: <https://www.inforse.org/cd2020.php3>
UNFCCC: <https://unfccc.int/cd2020/specialevents>



CRT/N Background

- CRT/N is a professional non-governmental organization established in 1989 by group of professionals, engaged in developing and promoting appropriate rural technologies effective in meeting the basic needs and improving livelihood of rural people

Biomass Based



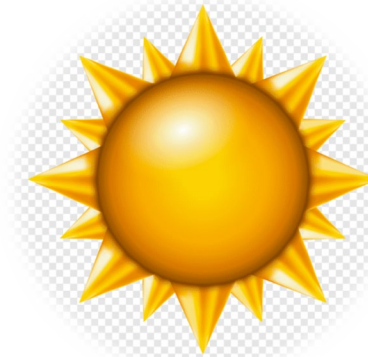
- Household/ Institutional Improved cookstoves
- Rocket Stoves
- Bio-Briquettes

Hydro Based



- Improved Water Mill (IWM), electrification
- Pico-Hydro Power
- Hydraulic Ram Pump

Solar Based



- Solar Mini-grids and home system
- Solar Dryer (household/institutional)
- Parabolic Solar Cooker

Other



- Climate Change Mitigation and Adaptation
- Gender Mainstreaming
- Enterprise Development

CRT's efforts on the area of women /women network, Renewable Energy and Climate Change in Nepal

- Have reached to around 5 million people through:
 - Promotion of 350,000 ICS (Mud and Metallic)
 - Promotion of 9000 plus improved water mills
 - Installation of more than 30 units of Hydraulic Ram Pump
 - advocacy and lobby activities from local level to central level on green and inclusive energy and
 - Implementation of eco-village development projects and awareness
 - Developed 2800 women entrepreneurs through skill based empowerment trainings and mentoring
 - Hosting Gender, Energy and Water Network (GEWNet) since 2002 and member of INFORSE and as National Focal Point for Nepal since 2005 with objective to review policy gaps in Gender Equality and Social Inclusion (GESI) in renewable energy sector in Nepal and Promote economic opportunities for women and men while adapting and mitigating climate change
- Regional/International Network:**
- Nexus Carbon for Development, Singapore: CRT/N is the founding member since 2008
 - International Network on Gender and Sustainable Energy (ENERGIA), the Netherlands:
 - Gender, Energy and Water Network (GEWNet): CRT/N has been managing the GEWNet since 2002;
 - International Network for Sustainable Energy (INforSE), Denmark: CRT/N is the National Focal Point for Nepal since 2005;
 - South Asia - Evidence-Based Policy in Development Network (SA-ebpdn)
 - Global Alliance for Clean Cookstoves (GACC)

Eco Village Development Projects in Nepal and South Asia



EVD Concept involves: identification planning and implementation of appropriate, and affordable, renewable energy/climate friendly technology for enhancing livelihood-practices and capacity building activities for climate change adaptation and mitigation in villages through participatory approach

Eco Village Development Project in Nepal

- Nepal is highly vulnerable to natural disasters and globally, it is ranked 4th , 11th and 30th in terms of vulnerability to climate change, earthquake and flood risks respectively
- EVD project mainly aims to:
 - Adoption of low carbon and sustainable technology solutions through participatory community based approach
 - Formulation of eco village development plans and policies for local level of government



Photos: Community and Local Governments EVD planning process

EVD Solutions in Nepal



Improved Cooking Stoves



Improved Water Mill



Biogas Plant



Hydraulic Ram Pump



Solar PV Home System



Improved Cooking Stoves

EVD Solutions in Nepal



Plastic Tunnel



Sprinkler irrigation



Drip Irrigation in Plastic Tunnel



Bio Composting



Improved Nursery



Fish Pond



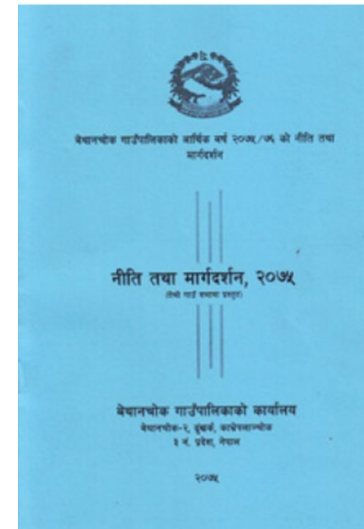
Waste Water Collection



Plastic Pond

Achievement Journey: from Past EVD Projects in Nepal

- Started with 3 villages of Kavre district benefitting directly to 100 plus HHs
- Replicated in other three areas with support from different organization and will be benefitting around 500 HHs directly
- Inclusion of EVD concept and components in their annual plan by Bethanchok Rural Municipality, Kavre district-past project area on following areas like:
 - Discouraging use of chemical fertilizer and promotion of organic farming
 - Promotion of off-seasonal farming and micro-irrigation techniques under plastic tunnel
 - Waste management
 - Promotion of renewable energy technologies
 - Plastic free municipality
 - 1 house, 5 trees program
 - 1 house -1 improved cookstove



***Photo: Annual Plan of
Bethanchok Rural
Municipality, Kavre district
with inclusion of EVD concept***



More information:

www.crtnepal.org

www.inforse.org/asia/EVD.htm

www.ecovillagedevelopment.net

Thank You



UN CD2020 Side Event: November 26, 2020 - INFORSE: Local Climate & Sustainable Energy Solutions in East Africa Catalogue, South Asia Eco-Village Development ToT, 100% Renewables

