



**United Nations**



HIGH-LEVEL DIALOGUE ON  
**ENERGY**  
UNITED NATIONS, NEW YORK, SEPTEMBER 2021



UN High Level Dialogue on Energy 2021 - Ministerial Thematic Forums – VIRTUAL

Side Event by INFORSE: Local Solutions, Eco-Village Development,  
100% Renewables, E-2/3 Wheelers; South Asia & East Africa  
June 22, 2021, 6 AM - 7 AM (New York time)

## Eco Village Development Project In Nepal

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INFORSE- South Asia



Project Supported by  **CISU** CIVIL SOCIETY IN DEVELOPMENT

# Organizational Background

- Center For Rural Technology, Nepal (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
- **CRT/N is member of INFORSE since 1998 & Nepal focal point for INFORSE South Asia and Gender Energy and Water Network (GEWNET)**

## Biomass Based



- Household/ Institutional Improved cook stoves
- Rocket Stoves
- Bio-Briquettes

## Hydro Based



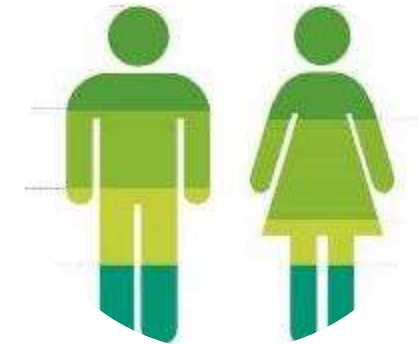
- Improved Water Mill (IWM), electrification
- Pico-Hydro Power
- Hydraulic Ram Pump

## 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

# Eco Village Development Projects in Nepal and South Asia



## EVD project mainly aims to:

- Adoption of low carbon and sustainable technology solutions /renewable energy applications
- Participatory community based approach
- Formulation of eco village development plans and policies for local level of government



# Basket of Local Sustainable EVD Solutions in Nepal



Portable Improved Cooking Stoves



Improved Water Mill



Biogas Plant



Hydraulic Ram Pump



Solar PV Home System



Mud Improved Cooking Stoves



# Basket of Local Sustainable EVD Solutions in Nepal



Plastic Tunnel



Sprinkler irrigation



Drip Irrigation in Plastic Tunnel



Bio Composting



Improved Nursery



Fish Pond



Waste Water Collection



Plastic Pond



# Scaling up in other villages with support from Center for Self Help Development (CSD) Support in Nepal



Manushi-Micro-Finance institution as member organization of CSD are playing part in EVD concept dissemination (Example: Dharpa, Sindhupalchowk District Nepal)-Self Help Led Eco-Village Development



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# Scaling up in other villages with support from SGP/GEF/UNDP Support in Nepal



**SGP** The GEF Small Grants Programme



*Empowered lives. Resilient nations.*



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# EVD Concept Contributes to:

Sustainable Energy for All (SE4ALL)

Sustainable Development Goal (SDGs)



Ensure access to affordable, reliable, sustainable and modern energy for all

## SUSTAINABLE ENERGY FOR ALL



- providing universal access to modern energy services;
- doubling the share of renewable energy in the global energy mix.

*Saving our planet, lifting people out of poverty, advancing economic growth – these are one and the same fight.*  
- United Nations Secretary-General Ban Ki-moon



## SUSTAINABLE DEVELOPMENT GOALS (SDG)

- SDG comprises 17 goals with 169 targets covering a broad range of sustainable development issues.
- Development of hamlets integrating EVD concept can contribute to achieving targets of

Goal 1

- End poverty in all its forms everywhere

Goal 2

- End hunger, achieve food security and improved nutrition, and promote sustainable agriculture

Goal 5

- Achieve gender equality and empower all women and girls

Goal 6

- Ensure availability and sustainable management of water and sanitation for all

Goal 7

- Ensure access to affordable, reliable, sustainable, and modern energy for all

Goal 13

- Take urgent action to combat climate change and its impacts







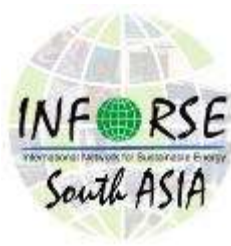
More information:

[www.crtnepal.org](http://www.crtnepal.org)

[www.inforse.org/asia/EVD.htm](http://www.inforse.org/asia/EVD.htm)

[www.ecovillagedevelopment.net](http://www.ecovillagedevelopment.net)

# Thank You



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