



ग्रामीण प्रविधि केन्द्र

Centre for Rural Technology, Nepal (CRT/N)

Towards Action for Development ... Since 1989

Annual Report



2023/2024

Annual Report 2023/24

Prepared by:

Centre for Rural Technology, Nepal (CRT/N)

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Welcome To Our Organization

Message From Our Chairman



“Driving Sustainable Transformation in Rural Nepal”

Ganesh Ram Shrestha
Chairman

Celebrating 36 years, the Centre for Rural Technology, Nepal (CRT/N) continues to empower rural communities through innovative, sustainable technologies, impacting nearly 5 million lives. Our focus on Gender Equality and Social Inclusion, renewable energy, and climate resilience has led to remarkable achievements: empowering 3,300 women entrepreneurs in the green energy sector, installing 350,000 improved cooking stoves to enhance indoor air quality, and electrifying 43 improved water mills and 41 pico/microhydro systems. Our advocacy has integrated eco-village development into rural municipal plans, promoting inclusive growth. We extend heartfelt gratitude to the Government of Nepal, our national and international partners, and the resilient communities we serve. CRT/N remains steadfast in its commitment to delivering high-quality solutions and building a sustainable, resilient future for all.

Foreword From Our Director



“Innovating for Sustainable Rural Future”

Anzoo Sharma PhD
Director

As the Director of the Centre for Rural Technology, Nepal (CRT/N), I am privileged to lead a team dedicated to harnessing renewable energy and appropriate technologies to uplift rural communities. With a background in electrical engineering and energy diplomacy, I am driven by the belief that cutting-edge research can transform lives when applied at the grassroots level. In 2023/2024, CRT/N made significant strides in advancing clean energy access, climate-resilient livelihoods, and gender-inclusive development. From powering eco-villages in Bhalumara to enabling sustainable farming in Balithum through solar-powered water systems, our projects have empowered communities to thrive amidst environmental challenges. I am deeply grateful to our partners, staff, and the communities we serve for their unwavering collaboration. Looking ahead, CRT/N is poised to scale its impact, fostering innovation and resilience to build a brighter, more equitable future for rural Nepal.

Introduction to CRT/N

Centre for Rural Technology, Nepal (CRT/N) is a professional non-governmental organization engaged in developing and promoting appropriate rural technologies effective in meeting the basic needs and improving livelihood of rural people. Established in August 1989 under the Company Act, CRT/N has been re-registered with Government of Nepal (GoN) under the Social Organization. Registration Act 1977 (2034 B.S.) since October 1998. The organization is actively engaged in upgrading traditional technologies as well as developing new technologies with diversified and versatile applications to meet rural needs.

Mission

Develop, promote and disseminate environmentally sound rural / appropriate technologies and strengthen capability of rural communities in creating better opportunities through mobilization of local resources to improve their livelihood conditions.

Vision

CRT/N as a professional / innovative organization and knowledge centre in renewable energy / appropriate technology delivering quality services to local communities for improving their livelihoods.

Objective



Promote and disseminate rural/appropriate technologies to meet the basic needs of the people and improve their quality of life.



Conduct adaptive and action-oriented research on indigenous and improved rural / appropriate technologies.



Train and transfer technical information and know-how on production, installation and management of rural/appropriate technologies



Assist in development of technical and institutional capabilities for sustainable development



Provide Technical support and consulting services in the field of rural energy and environment conservation and climate change

Strategic Goals

By 2030, we aim to impact the livelihoods of 100 thousand individuals, fostering economic growth, social emp

Capacity Areas

CRT/N is a community-centric social organization that leverages appropriate technology to empower vulnerable communities in improving their livelihoods. Backed by the trust of over 40 international organizations and government agencies, CRT/N has executed more than 100 development projects, continually expanding its capacity to deliver services in the following core thematic areas:



Energy Transition

- RE Technologies
- Indoor Air Quality
- Municipal Energy Planning
- Energy-based curriculum development



Energy Transition

- Carbon Projects
- Adaptation/Mitigation/Response/Resilience
- Nature-based solutions
- Eco-Village Development



GEDSI in Energy Services

- Carbon Projects
- Adaptation/Mitigation/Response/Resilience
- Nature-based solutions
- Eco-Village Development

CRT/N recognizes the roles of National, Provincial and Local Government, media groups, private sectors, banking and financial institutions (BFI), local organizations and communities for sustainability of initiatives. Thus to generate the intended impacts it takes pride in working in collaboration and cooperation with these major stakeholders.

CRT/N is also involved with various networks like the International Network on Gender and Sustainable Energy (ENERGIA), the Netherlands, Gender, Energy and Water Network (GEWNet), International Network for Sustainable Energy (INforSE), Denmark, and Nexus Carbon for Development, Singapore, South Asia, Clean Cooking Alliance and Energy Compact.

Core Values

1. Transparency

We commit to maintaining transparency in all our operations by clearly communicating the intended impacts of our projects from the conceptualization stage. We define the roles and involvement of all stakeholders in the project cycle to foster trust and accountability.

2. Community Engagement

We believe in actively engaging local communities and stakeholders throughout the project lifecycle. This includes sensitizing local government representatives to eliminate complacency and the "Let it be" attitude, ensuring that all parties are invested in creating positive change.

3. Inclusivity

We prioritize inclusivity by ensuring that all voices, particularly those of marginalized groups, are heard and respected in our initiatives. We promote equitable access to opportunities and resources for all community members.

4. Impartiality

We uphold a commitment to impartiality by remaining unbiased and neutral towards political affiliations and external influences in our beneficiary selection and project implementation. Our focus is solely on the needs and rights of the communities we serve.

5. Sustainability

We are dedicated to creating sustainable solutions that empower communities, ensuring that the benefits of our initiatives endure over time and contribute to long-term resilience and self-sufficiency.

6. Collaboration

We believe in the power of collaboration and partnerships. By working together with local communities, governments, NGOs, and other stakeholders, we can leverage diverse expertise and resources to achieve our common goals.

7. Integrity

We operate with integrity, adhering to ethical practices and maintaining accountability to our beneficiaries and stakeholders. Our actions reflect our commitment to social justice and the dignity of all individuals.

Organizational Culture



Inclusivity

Foster an organizational culture that values diversity, equity, and inclusion in all aspects of operations and decision-making.

Transparency and Accountability

Maintain high standards of transparency and accountability, regularly sharing progress and impacts with stakeholders.

Integrity

We operate with integrity, adhering to ethical practices and maintaining accountability to our beneficiaries and stakeholders. Our actions reflect our commitment to social justice and the dignity of all individuals.

Financial standards



Accounting system: Software-based double-entry bookkeeping system



Frequency of bank reconciliations (Comparison between bank statement and the bookkeeping): every month



Frequency of financial reports (comparison of budget and actual spending): every 1-3 months

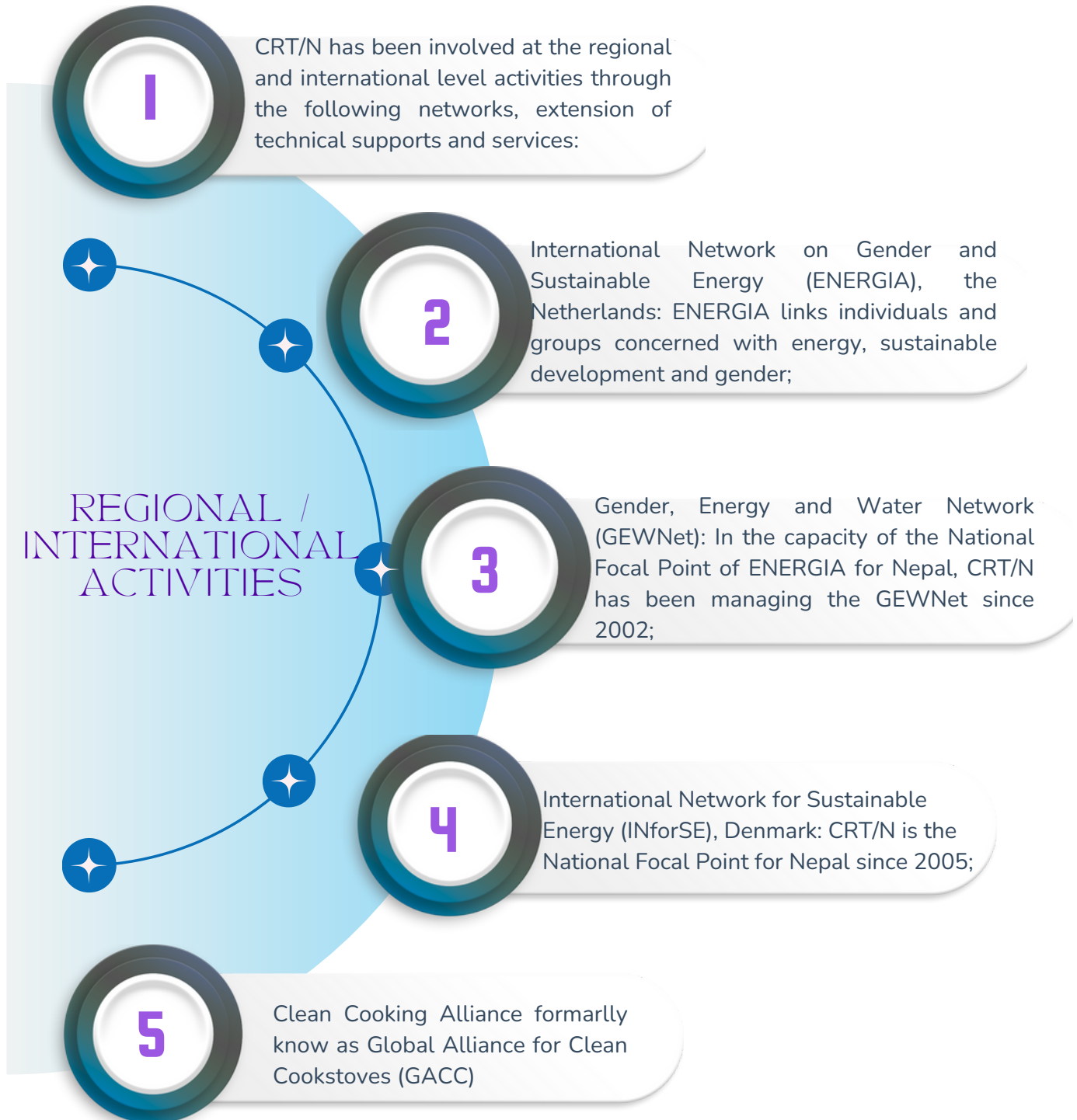


Project budgets and any major budget revisions must be approved by Management or Board: Yes



Different person to drafts and approves budget revisions; Drafts and approves financial reports; Produces and approves bank reconciliations; Approves and bookkeeps supporting documents

Regional / International Activities



Membership

S.N.	Organization Name
1	Energy for All Partnership
2	Gender and Water Alliance (GWA), the Netherlands
3	Clean Cooking Alliance, USA
4	Nepal Alliance for Clean Cookstoves (NACC) Nepal
5	Global Village Energy Partnership (GVEP), UK
6	International Union for Conservation of Nature (IUCN), Switzerland
7	Partnership for Clean Indoor Air (PCIA), USA
8	Solar Cookers International Association, USA
9	World Council of Renewable Energy (WCRE), Germany
10	Global Gender and Climate Alliance Nepal (GGCAN)
11	Indoor Air Pollution and Health Forum, Nepal
12	The Alliance of Civil Society Organizations for Clean Energy Access (ACCESS Coalition)
13	Climate Action Network South Asia (CANSA)

Programs And Projects



Next generation low carbon, climate resilient Eco-Village Development in South Asia (EVD-4)



Background

With a prosperous and proven development concept that the CRT/N has the competence to use, following five years of cooperation, and much longer individual experiences, implementation of EVD concept in new and wider areas and on new levels to foster development in poor, rural areas is the main objective to design this project. To maximise results in the intervention, local activities will be combined with capacity building to involve more actors, and with advocacy to increase political support, also internationally.

Objective

The overall objective of the intervention is to achieve improved standard of living of climate vulnerable rural communities South Asia by integration of local sustainable solutions that contribute to climate change mitigation, adaptation and resilience building. The immediate objectives of the intervention are:

Objective 1: At the end of the project rural communities in Nepal, have improved their lives through the establishment of Eco-Village Development (EVD) model villages.

Objective 2: At the end of the project local communities and stakeholders have additional market access and business opportunity to appropriate solutions contributing to improved livelihood, climate change mitigation and adaptation

Objective 3: EVD has been disseminated and recognized by a boarder audience reaching from local to international.

Funding Agency:
CISU

Project Partners:
DIB, INFORSE, CANSA,
Idea, INSEDA and Grameen
Shakti

Project period: July:15 July
2020- 30 Dec 2023

Total Budget: 634,221.45
DKK (NPR 1,17,21,110)

**Resource generated by
CRT/N:** NPR 35,50,026

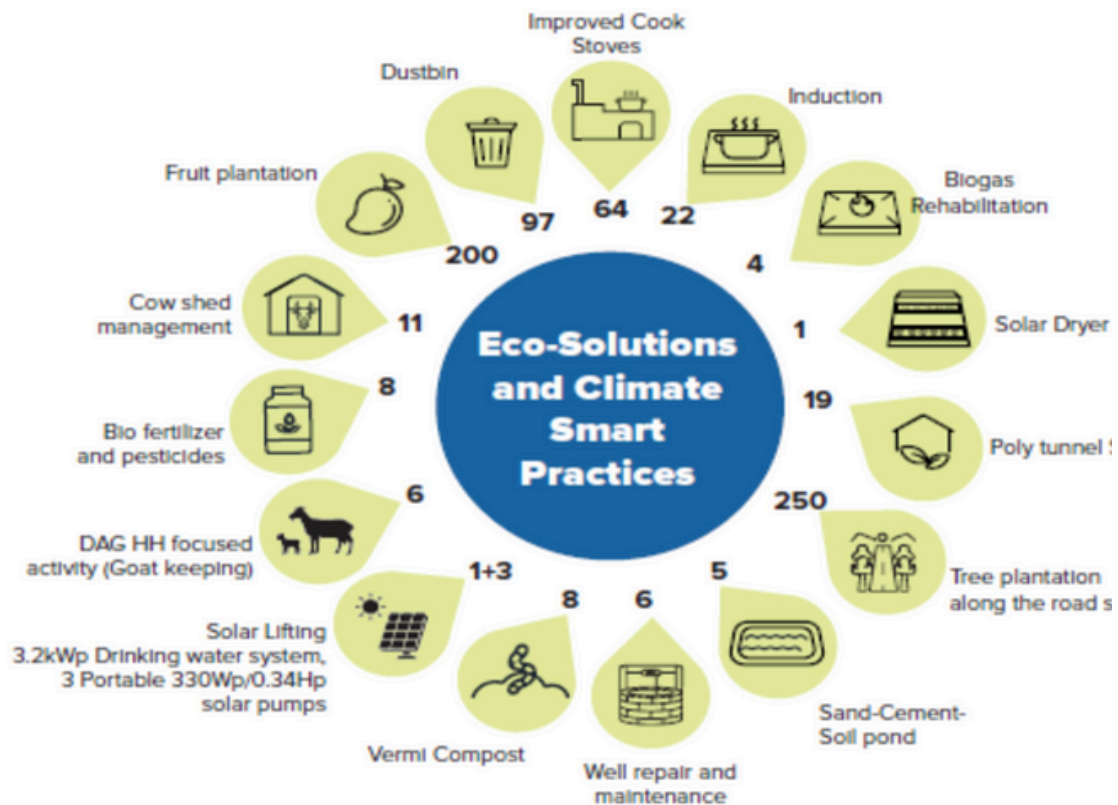
Project Status:
Completed

Project Location:

In Nepal, the project has been implemented in Bhalumara, Ward no. 3 of Marin Rural Municipality. The Bhalumara village area has 100 households, mostly inhabited by the marginalized group of Tamang people. Five percent of the households are from socially excluded (untouchable) ethnic groups. There are about 507 inhabitants (256 male, 251 female). The income status of the village has a mix of lower middle class and poor households.



Achievements:



TA-6526 NEP South Asia Sub-regional Economic Cooperation Power Transmission and Distribution System Strengthening Project



Background

The TA-6526 aims to assist Nepal Electricity Authority (NEA) in the implementation of Gender Action Plan of the project and will strengthen the institutionalization of gender equality and social inclusion (GESI) in its operations and to support women and the excluded group to productively use energy with safety and efficiency (Target: at least 400 electricity-based entrepreneurs and technical and vocational training to at least 200 persons with job placement). The TA will complement the scope of the South Asia Sub regional Economic Cooperation (SASEC) Power Transmission and Distribution System Strengthening Project (PTDSSP), which is in line with the Government of Nepal's goal of "energy for all" and will provide infrastructure investment in electrification in selected areas of Nepal.

Funding Agency:
ADB and SIDA

Project Partners:
ENERGIA and NACEUN

Project period: March 2022 to November 2024

Total Budget: USD 1,969,288 = NPR. 23,23,75,984 (Exchange rate @118)

Resource generated by CRT/N:
USD 1,217,213 (ADB11,27,233+ SIDA 11,27,233)=
NPR.14,36,31,134
(ADB13,30,13,494+ SIDA 1,06,17,640)

Project Status:
Completed

Objective

For the purpose of describing the approach, the activities have been clustered in three groups:

Intervention Area 1: Capacity building and institutionalization of GESI in NEA

Key activities and targets: An operational GESI secretariat along with GESI team members in each directorate; an annual action plan for each directorate: at least 500 NEA staff (20% women and 30% excluded group) oriented on GESI; GESI related provisions piloted in 2 Distribution and Customer Services (DCS) offices; lessons learnt and recommendations for NEA for required adjustment to existing approach in GESI mainstreaming.

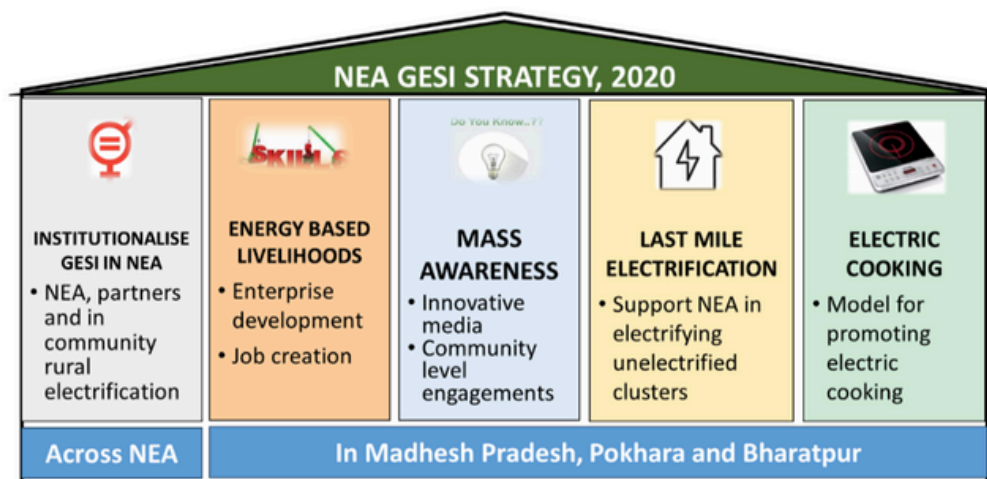
Intervention Area 2: Skill Building and energy based livelihood in province 2

400 entrepreneurs trained in energy-based livelihood enhancement (50% women of which at least 20% are from excluded group and 50% men from excluded groups); 200 persons trained on vocational education (20% women and 50% men from excluded groups); post-training, hand-holding support for entrepreneurs; assured employment and counseling support to the trainees of vocational training

Intervention Area 3: Community level awareness creation on GESI issues, energy-based livelihoods and electric cooking

A socio-economic survey in Province 2; at least 600 persons covered through focused group orientation to reduce gender and social barriers in Province 2 (at least 50% men); 200 mass awareness campaigns on electricity use and safety in Kathmandu Valley, Bharatpur and Pokhara (with participation of at least 10,000 people with at least 30% women and 30% excluded group); assisting NEA to develop a mechanism to ensure electricity access to poor; and exclude households in Province 2; a comparative assessment of fuel choice to access

feasibility, opportunities and challenges in adoption of electric cooking for women and excluded group; at least 400 households adopt induction cooking as a result of promotion of electric induction cooking solutions.



Business Development Services to Capacitate Local Government on Renewable Energy and Socio-Economic Development for Province-1

Objective

The main objective of the assignment is to design five days training package based on Start and Improve your Business (SIYB) training content and capacitate the participants: Enterprises Development Committee (EDC), Energy Development Subcommittee (EDSCs), and Enterprises Development Facilitators (EDF) who are directly involved in the promotion of RE power socio-economic activities (enterprises) in their respective LGs.

Achievements

Conducted the following training:

- (i) To select 8 LGs and 24 participants from Taplejung, Panchthar and Ilam cluster for the capacity development training and conduct training centralizing at Fidim of Panchthar district.
- (ii) To select 8 LGs and 24 participants from Okhaldhunga and Solukhumbu cluster for the capacity development training and conduct training centralizing at Rumjatar of Okhaldhunga district and;
- (iii) To select 8 LGs and 24 participants from Khotang and Bhojpur cluster for the capacity development training and conduct training centralizing at Diktel Bazaar of Khotang district.

Funding Organization:
GIZ

Project Duration: 8
Months (April-November)

Proposed Budget:
Proposed NPR
31,01,285.00 including
VAT

Resource generated by
CRT/N: NPR 9,30,000
(HR)

Project Status:
Completed



Renewable Energy Technology Intervention in Water-Energy-Food Nexus to Support Climate-Resilient Livelihood



Orientation Workshop on Solar Lifting Drinking Water Project Held at Gaudacot Rural Municipality, Gulmi.

Background

Water and energy are two essential resources on which the human survival and well-being thrives. Once believed to be abundant and relatively free, these resources are becoming increasingly scarce in many parts of the world resulting in poverty, food insecurity and drudgery. The scarcity can be mainly attributed to climate change and anthropogenic development activities. Many people in Nepal live in the mountainous and hilly regions. Due to difficult terrain, access to reliable source of energy and water has always been a challenge for rural hilly region of Nepal. In absence of reliable sources of energy and water, the farmer communities are gradually shifting their agro-based livelihood to migration-based labour work to cities and foreign countries. The problem has aggravated even more such that in absence of active and young workforce, subsistence farming has become common characteristics in rural communities. Furthermore, the food productions hardly meet the year-round consumption. Without any interventions the current scenario will only become worse.

Funding Agency:
GEF-SGP/UNDP

Project Partners:
AEPC and Wine to Water

Project period: Jan 2024 to July 2025

Resource generated by
CRT/N: Est. 1,285,050

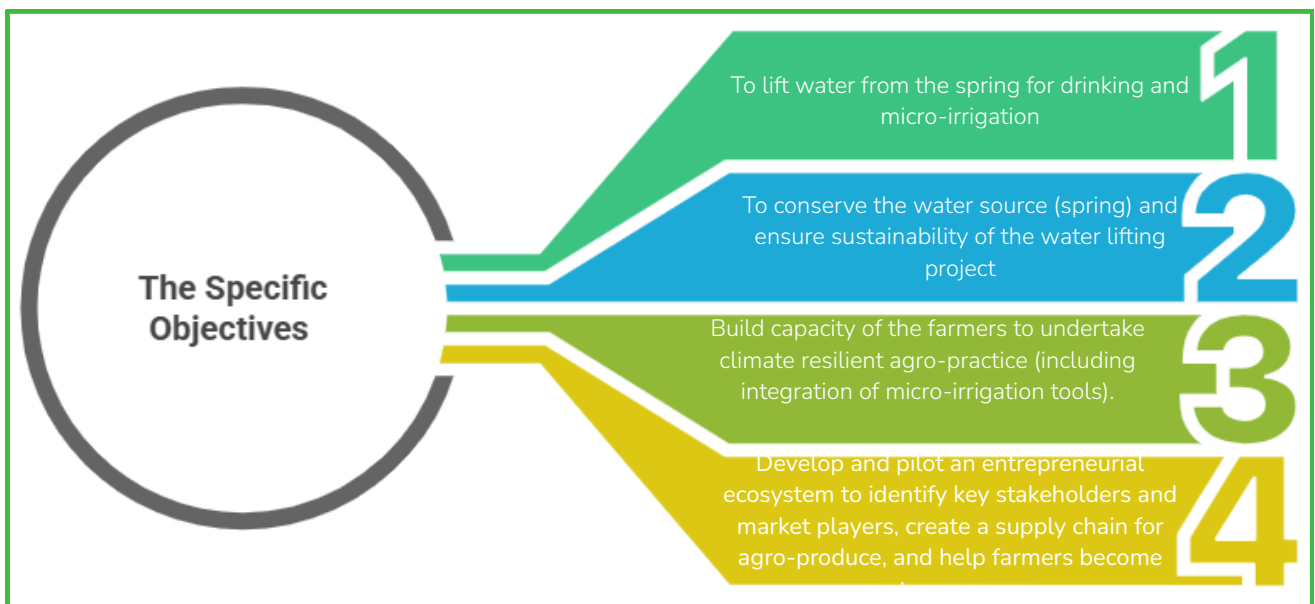
Project Status:
Ongoing

Objectives:

The proposed plan entails constructing a reservoir tank at the water intake point, where two significant water sources, Rah Khola and Dhap Khola, will be converged. This tank will serve as the starting point for our water distribution system and will be powered by solar pumps to fill intermediate (40 KL) and distribution (100 KL, where 40KL already exists) reservoir tanks located at a higher elevation (head 255m and 475m respectively).

From these elevated tanks, water will be distributed to 210 households below through gravity flow through the water distribution network, already laid out by the Local Government. By harnessing solar energy and implementing efficient water distribution mechanisms, we aim to establish a sustainable solution to alleviate water scarcity in Balithum.

The **primary objective** of the project is to improve access to water for sustainable commercial climate smart farming practices through integration of Solar Energy and ensure conservation of the spring source.



Impact evaluation of the market activation of electric cooking in Nepal-Practical Action in association with RETS



Funding Agency:
Practical Action, Nepal

Project Partners:
RETSC

Project period: July-August 2023

Total Budget:
NPR 7,00,000

Resource generated by
CRT/N: NPR 2,70,000 (HR)

Project Status:
Completed

Objectives:

The overall purpose of this assignment is to evaluate the project by using the six evaluation criteria (Relevance, coherence, efficiency, effectiveness, impact, sustainability) including gender and social inclusion more focusing on impact. Document the success, lessons learnt and recommend necessary actions for better results for similar projects in future.

| Financial Updates

ग्रामीण प्रविधि केन्द्र

Centre for Rural Technology, Nepal
STATEMENT OF FINANCIAL POSITION

As at 31st Ashadh 2081 (15th July 2024)

Particulars	Notes	F.Y. 2080-81	F.Y. 2079-80	F.Y. 2078-79
ASSETS				
Non-Current Assets				
Property, Plant and Equipment	4.1	1,375,935.44	1,750,637.93	2,325,222.09
Intangible assets		-	-	-
ROU Assets	4.2	2,809,952.90	3,559,273.67	-
Long term investments	4.3	6,044,278.37	6,425,907.20	5,278,688.66
Other non current assets		-	-	-
Total Non-current Assets		10,230,166.71	11,735,818.80	7,603,910.75
Current Assets				
Account receivable	4.4	6,679,862.15	3,173,413.00	11,577,430.57
Cash and cash equivalents	4.5	8,223,944.73	5,885,517.28	10,462,177.03
Total Current Assets		14,903,806.88	9,058,930.28	22,039,607.60
Total Assets		25,133,973.59	20,794,749.08	29,643,518.35
LIABILITIES & RESERVES				
Accumulated reserves				
General Reserve Fund	4.6	6,886,305.66	6,960,620.08	8,190,460.02
Restricted Fund	4.8	8,852,251.28	5,500,264.89	10,709,630.25
Technology Study & Research Fund	4.7	460,079.00	470,879.00	370,829.00
Fixed Assets Reserve Fund (Projects)	4.9	367,666.63	490,222.19	735,503.54
Total Accumulated Reserves		16,566,302.57	13,421,986.16	20,006,422.81
Non-Current Liabilities				
Loans & Borrowings		-	-	-
Employee Benefit Liabilities	4.10	2,908,030.00	3,367,924.00	4,526,906.00
Lease Liability	4.11	2,981,753.96	3,529,934.86	-
Other Non-current Liabilities		-	-	-
Total Non-current Liabilities		5,889,783.96	6,897,858.86	4,526,906.00
Current Liabilities				
Account Payables	4.12	2,677,887.06	474,904.06	5,110,189.54
Provisions		-	-	-
Total Current Liabilities		2,677,887.06	474,904.06	5,110,189.54
Total Liabilities		8,567,671.02	7,372,762.92	9,637,095.54
Total Liabilities & Reserves		25,133,973.59	20,794,749.08	29,643,518.35

The notes on accounts form an integral part of financial statements

Mr. Ganesh Ram Shrestha
Chairperson

Dr. Anzoo Sharma
Director

CA Narayan K. Joshi
N.K. Joshi & Company
Chartered Accountants

Hari Gopal Gorkhali
Treasurer
Date: 2081/06/14
Place: Kathmandu

Pawan K. Singh
Deputy Director

Raju Maharjan
Sr. Account Officer

ग्रामीण प्रविधि केन्द्र

Centre for Rural Technology, Nepal

STATEMENT OF INCOME AND EXPENDITURE

For the year ended on 31st Ashadh 2081 (15th July 2024)

Particulars	Notes	F.Y. 2080-81	F.Y. 2079-80
INCOME			
Incoming Resources	4.13	8,416,425.39	9,552,720.61
Received From Projects	4.13A	75,176,260.39	60,462,133.54
Financial Income	4.13B	464,573.84	553,154.81
Other Income	4.13C	388,776.56	599,475.09
Total Income		84,446,036.18	71,167,484.05
EXPENDITURE			
Staff cost/ Expenses	4.14	5,902,270.00	6,962,199.00
Project Expenses	4.15	75,176,260.39	60,154,645.00
General Administrative Expenditure	4.16	1,976,116.23	4,605,338.58
Staff Training/Development	4.13	13,350.00	-
Finance Charge on lease liability		318,495.10	-
Depreciation & Amortization	4.2	1,133,628.26	677,954.09
Total Expenditure		84,520,119.98	72,400,136.67
Surplus before exchange gain/loss		(74,083.80)	(1,232,652.62)
Exchange Gain/ (Loss) in Euro A/c		(230.62)	2,812.68
Net Surplus/(Deficit) before taxation		(74,314.42)	(1,229,839.94)
Income Tax Expenses		-	-
Surplus /(Deficit) for the Year		(74,314.42)	(1,229,839.94)
Appropriation of surplus for the year			
Allocation to reserves		(74,314.42)	(1,229,839.94)
Allocation to Staff Welfare Fund		-	-

The Notes on accounts form an integral part of the financial statements

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Dr. Anzoo Sharma
Director

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Chartered Accountants

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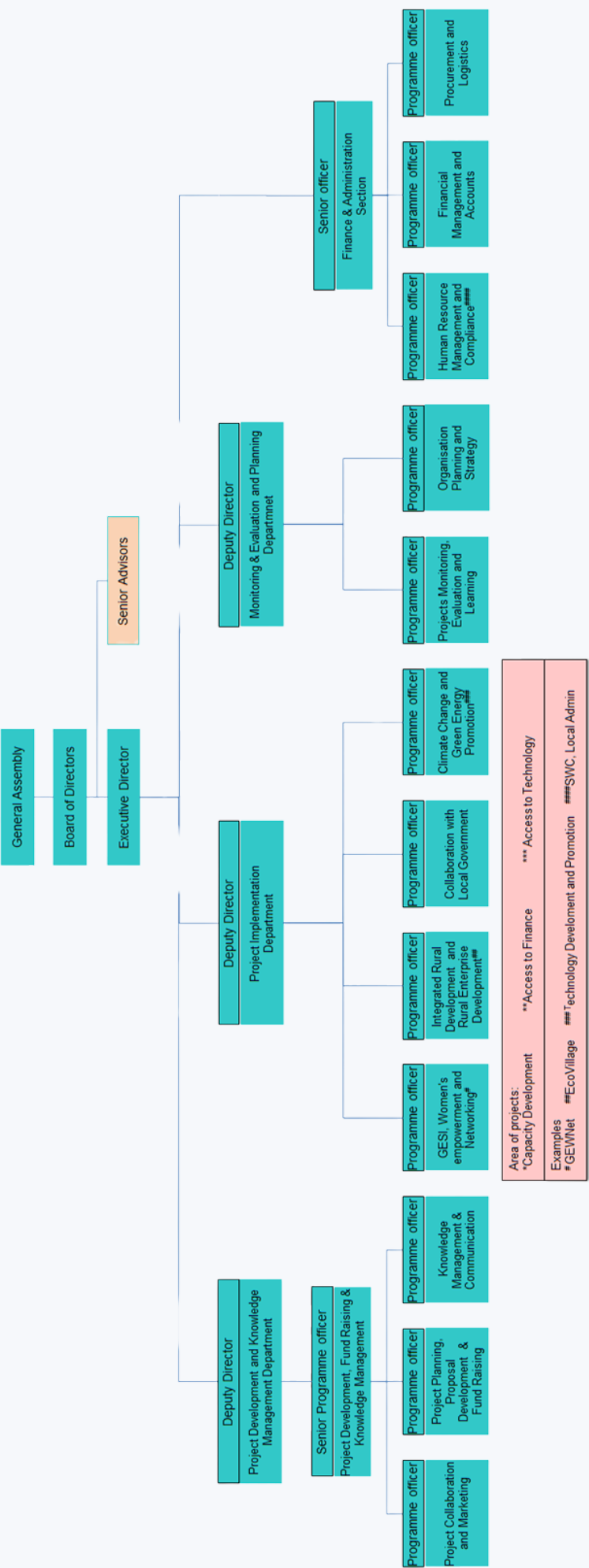
Raju Maharjan
Sr. Account Officer

Date: 2081/06/14

Place: Kathmandu

| Organizational Structure

Organizational Structure of CRT/N (F.Y 2078-79)



| Board of Directors



Mr. Ganesh Ram Shrestha
Chairperson

Mr. Shrestha is the Chairperson and one of the founder members of the Centre for Rural Technology, Nepal (CRT/N) established in August 1989. He is the former Executive Director of CRT/N and has more than 3 decades of experience in the development and promotion of renewable energy and appropriate/rural technologies and contributed his expertise towards the enhancement of rural livelihoods and sustainable development in Nepal through working with rural communities, government institutions, and international organizations. He has also worked with the Agricultural Development Bank of Nepal from 1970 till 1988. Mr. Shrestha is also one of the promoters of the Centre for Self-help Development (CSD) established in Nepal. He holds a Post Graduate Diploma in Rural and Agricultural Project Planning from the Institute of Social Studies (ISS), the Netherlands in 1980 and a Bachelor's Degree in Agricultural Engineering from Technion, Israel Institute of Technology, Israel in 1968. He has also been granted an Overseas Fellow of the Economic Development Institute (EDI) of the World Bank in 1977.



Mr. Hari Gopal Gorkhali

Mr. Gorkhali holds Bachelor's Degree in Agriculture (B. Sc .Ag.). He is the former Chairman at Rural Energy and Technology Service Center (RETSC). He worked for more than 34 years in the Agricultural Development Bank, Nepal in various capacities such as General Manager (CEO), Deputy General Manager (Deputy CEO), Regional Manager, etc. He has 26 years of experiences in renewable energy sector with key experiences on guiding in promotion and development of various Renewable Energy Technologies such as Improved Cookstove (ICS), Improved Water Mill Technology (IWM), Briquette Technologies and Hydraulic Ram Pump for the benefit of rural communities.



Mr. Lumin Kumar Shrestha
Member

Mr. Lumin Kumar Shrestha holds M.Sc. Degree in Agriculture Economics from University College of Wales, UK. He is one of the founder members of CRT/N. He holds more than three decades of experiences in various rural and appropriate technologies during his tenure at CRT/N. He also had experiences of agricultural financing while working in various capacities in the Agricultural Development Bank, Nepal for 20 years.



Dr. Ananda Shova Tamrakar
Member

Dr. Tamrakar is a former Chairperson CRT/N Governing Board. She is the professor at Tribhuvan University. She has served Tribhuvan University for 37 years. Besides teaching, she is conducting researches on pest management, water management, vermin composting and biodiversity. She has pursued Ph.D. from India. She has completed her Diploma of Environmental Management and Protection from University of Technology, Dresden, Germany. She has been awarded US-AEP Fellowship by Asia Foundation in USA. She remained Board Member of CRT/N since 2002 and also served as a Board Member of Mahila Sahayogi Bachat Tatha Rin Sahakari Sanstha Ltd. Besides, she is the president of Trans-Himalayan Environment and Livelihood Programme (T-HELP). She is also the member of Federation of Women Entrepreneurs Association (FWEAN). She has about 100 research publications (includes both national and international publication).



Mr. Ganesh Ram Shrestha
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Dr. Krishna Raj Shrestha
Member

Dr. Shrestha was a Professor at Research Centre for Applied Science and Technology (RECAST), Tribhuvan University. He has more than 35 years of professional experience in the field of renewable energy and holds a Ph.D. Degree in Chemical Engineering from Indian Institute of Technology Delhi, India. After serving RECAST for 38 years, he has been teaching in the Central Department of Environmental Science (CDES), Tribhuvan University as a Visiting Professor and has supervised a number of students for their Master's Thesis and two students for Ph.D. Degree. He has published a number of papers in various national and international journals. Dr. Shrestha has participated in several national and international seminars, conferences, workshops and training programmes pertaining to energy and environmental issues. He has coordinated several national level projects funded by INGO's and Government agencies and successfully conducted a number of training programmes on energy saving devices such as improved cook stoves (ICS), biomass briquettes and biomass gasification for electricity generation. Currently he has been working for the management of Municipal Solid Wastes through the production of Refuse Derived Fuel (RDF) for industrial applications.



Mr. Vishwa Bhushan Amatya
Member

Mr. Amatya has over 40+ years of professional experiences in the field of energy planning and renewable energy including financing renewable energy. His works spanning over 20 years are in the field of project/programme development, planning, financing, implementation & monitoring and evaluation in the energy sector mainly decentralized and renewable energy towards energy access improvement. He is currently a member of Independent Expert Panel of Sustainable Energy Challenge Fund jointly implemented by the Government of Nepal British Embassy in Nepal. He is also a Coach/Adviser (Country), Private Financing Advisory Network (PFAN), a global network of climate and clean energy financing experts, hosted jointly by the United Nations Industrial Development Organization (UNIDO) and the Renewable Energy and Energy Efficiency Partnership (REEEP). His past works, among others also include working for energy access advocacy while in Practical Action and Practical Action Consulting. As a free-lance consultant, his recent involvement includes coordination of various stakeholder organizations and technical inputs to UNESCAP's NEXSTEP modelling framework analysis for SDG 7, policy analysis and policy advocacy with focus on innovation for energy access sustainability, institutional development, and market based RE technology dissemination. He has experience of working with in private sector as an operation manager in a mining company and as a vice president in a reputed hydropower company (Butwal Power Co. Ltd.) in Nepal and has served 15 years in the Nepal's Ministry of Water Resources (Now, Ministry of Energy, Water Resources and Irrigation) in the Government of Nepal doing pioneering works in energy planning including modelling, energy survey and database.



Ms. Shova Bajracharya
Member

Ms. Bajracharya has over two decades of experience in the microfinance sector and currently leads the Manushi Laghubitta Bittiya Sanstha Ltd. as Chief Executive Officer (CEO). She started her professional career as an Assistant Lecturer at the Hiralal Multiple Campus and working in development organization such as SEARCH and IIDS thus contributing to her experience in the education and development sector. She is equipped with a Master's Degree in Economics from Tribhuvan University. Her educational qualification is further enriched with her experience of managing microfinance and community development programs exclusively focusing on women. Ms. Bajracharya takes keen interest in learning from other institutions successfully implementing microfinance and development programs by participating in study visits, seminars and workshops.

CRT/N PERSONNEL

Advisor

1. Mr. Hari Gopal Gorkhali, Senior Financial Advisor

Management Team

1. Dr. Anzoo Sharma, Director
2. Mr. Mahesh Shrestha, Deputy Director
3. Mr. Pawan Kumar Singh, Deputy Director
4. Mr. Raju Maharjan, Human Resource Manager

Consultant Team

1. Dr. Indira Shakya, Consultant
2. Ms. Ashma Pakhrin, Consultant
3. Mr. Sumiran Shresth, Consultant

Staffs,

1. Mr. Bhasker Kumar Adhikari Senior Officer
2. Ms. Gita Subedi, Admin Officer
3. Mr. Sanubabu Pandit, Officer
4. Ms. Chija Adhikari, Officer
5. Mr. Rajendra Ghimire, Officer
6. Mr. Farsa BahadurTandan, Officer
7. Mr. Likh Ram Chaudhary, Enterprise Development and livelihood Coordinator
8. Ms. Mina Basnet, Enterprise Development and livelihood Coordinator
9. Mr. Ramesh Khadka, Messenger

CRT/N Working District

S.N.	Name of Project	Working District/Area
1	Eco-Village Development (EVD) through Integration of Renewable Energy Solutions and Climate Friendly Activities for Enhancing Livelihood of Rural Communities	Chyasingkharka-5, Bethanchwok Rural Municipality, Kavrepalanchwok
2	emPOWER Collective Project –Phase II	Chyasingkharka-5, Bethanchwok Rural Municipality, Kavrepalanchwok
3	Next Generation Low Carbon, Climate-resilient Eco-Village Development in South Asia	Bhalumara-3, Marin Rural Municipality, Sindhuli
4	Self-help Eco-Village Development Project	Barabise-3, Dharpa, Sindhupalchowk
5	Solidarity Fund	Dolakha, Ramechhap, Sindhupalchowk, Kavre, Lalitpur, Dhading, Chitwan and Sindhuli
6	Solar Electrification of a Remote Village and Promoting Energy Planning Based on Reliable Data Collection in Nepal	Khanikhola Rural Municipality, Kavrepalanchowk
7	Strengthening the Capacity of Nepal's Energy Sector to Deliver Gender Equality and Social Inclusion (GESI) Results	Dolakha, Ramechhap, Sindhupalchowk, Kavre, Lalitpur, Dhading, Chitwan and Sindhuli
8	Strengthening the Eco-Village Development concept: Affordable local climate actions for sustainable development in South Asia	Marin Rural Municipality, Sindhuli
9	The Green and Inclusive Energy (GIE) Programme in Nepal	Sindhuli, Lalitpur, Palpa, Gulmi, Nawalparasi, Kavre
10	SOUTH ASIA SUB-REGIONAL ECONOMIC COOPERATION POWER TRANSMISSION AND DISTRIBUTION SYSTEM STRENGTHENING PROJECT: Implementation Support for Gender Equality and Social Inclusion TA-6526 NEP	Madhesh Province, Kathmandu Valley, Pokhara and Bharatpur
11	Improving Access to Drinking Water through Solar Water Lifting Project" at Bhalumara Village Marin, Sindhuli	Bhalumara Village located in Marin Rural Municipality-3, Sindhuli District, Bagmati Province, Nepal.
12	Self-help Eco-Village Development Project	Barabise-3, Dharpa of Sindhupalchowk district and Masine, Chandragiri Municipality-2, Kathmandu, Nepal

Abbreviations

ACCESS Coalition	Alliance of Civil Society Organizations for Clean Energy Access
ADB	Asian Development Bank
ADBL	Agriculture Development Bank Ltd
AEPC	Alternative Energy Promotion Center
CANSA	Climate Action Network South Asia
CBOs	Community Based Organizations
CBS	Central Bureau of Statistics
CISU	Civil Society in Development
CRI	Climate Risk Index
CRT/N	Centre for Rural Technology, Nepal
CSD	Centre For Self-help Development
CSOs	Civil Society Organizations
CSR	Corporate Social Responsibility
EDCs	Enterprise Development Coordinators
EnDev	Energising Development Partnership
ENERGIA	International Network on Gender and Sustainable Energy
EUCs	Electricity User Cooperatives
EVD	Eco-Village Development
FY	Fiscal Year
GEF/SGP	Global Environment Facility/ Small Grants Programme
GESI	Gender Equality and Social Inclusion
GEWNet	Gender, Energy and Water Network
GGCAN	Global Gender and Climate Alliance Nepal
GHGs	Green House Gases
GIS	Geographic Information System
GiZ	German Agency for International Cooperation
GWA	Gender and Water Alliance
IAPHF	Indoor Air Pollution Health Forum

ICS	Improved Cook Stove
INforSE	International Network for Sustainable Energy
ISO	International Standard Organization
IUCN	International Union for Conservation of Nature
IWA	International Workshop Agreement
IWM	Improved Water Mill
IWME	Improved Water Mill Electrification
JFPR	Japan Fund for Poverty Reduction
LDCs	Least Developed Countries
MEP	Municipal Energy Planning
MIS	Micro Irrigation System
MTF	Multi-Tier Framework
NACEUN	National Association of Community Electricity Users-Nepal
NEA	Nepal Electricity Authority
NEFEJ	Nepal Forum of Environmental Journalists
PAC	Practical Action Consulting
PCIA	Partnership for Clean Indoor Air
RECON	Renewable Energy Confederation of Nepal
RERA	Renewable Energy for Rural Areas
RETs	Renewable Energy Technologies
SDGs	Sustainable Development Goals
SE4ALL	Sustainable Energy for All
Sida	Swedish International Development Agency
UNDP	United Nations Development Programme
UNF	United Nations Foundation
WCRE	WCRE World Council of Renewable Energy
WEs	WEs Women Entrepreneurs

Photo

Awards and Recognitions

- CRT/N's efforts have been recognized in international area through following rewards:
- CRT/N has been awarded with "The Adaptation at Scale Prize" on 23rd May 2019 in recognition for the promotion of innovative and unique Hydraulic Ram Pump technology.
- Hydraulic Ram Pump Project was awarded with "Protsahan (Encouragement) Prize by UKaid DFID supported Adaption at Scale Prize, Ideas to Impact-Rewarding Innovative Climate Change Adaption in Nepal, 2016
- IWM Programme was selected as final nominee for Energy Globe Award 2010
- The Ashden Awards for Sustainable Energy 2007 to IWM Programme (Ashden Trust for Sustainable Energy, UK)
- Recognition for Best Practice from Wuppertal Institute for Climate, Environment and Energy (WISION) in 2004,
- Germany on "Women in Energy and Water Management Project" supported by UNEP/ICIMOD.
- Consolation prize on the Ashden Awards for Sustainable Energy 2002 to IWM Project (Ashden Trust for Sustainable Energy, UK)
- Green Energy Letter of National Felicitation 2001 to IWM Project (Green Energy Mission, Nepal)
- IWM Project registered as Projects around the World at Expo 2000 Hanover, Germany. Update further



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