

## 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 livelihood.

## 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.

## INSIDE THIS ISSUE:

Monitoring of Advocacy, PE and EVD projects by SWC 2

Participated at the Gender, Work and Organisation International Interdisciplinary Conference 2

Participation in Regional Meeting and mid-term meeting at Dhaka 2

Orientation Programme on Renewable Energy Technologies and Gender and Energy Nexus 3

Participation in United Nations Climate Change Conference (UNFCCC), SBI48 3

Orientation Programme on EVD, Climate Change, and Environment 3

Building Resilient Mountain Communities: Earthquake reconstruction in Dhungtar, Installation of Alternative Energy Technologies 4

Training on preparation of organic fertilizer and home made organic pesticides to promote organic farming 4

# Centre for Rural Technology, Nepal (CRT/N)

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## CRT/N held The INFORSE Nepal Consultative Meeting

The International Network for Sustainable Energy (INFORSE) is a network of more than 140 NGOs that are working for sustainable energy solutions to protect the environment organizations and reduce poverty, was established in 1992 at the UN "Earth Summit" in Rio de Janeiro.

INFORSE- South Asia is one of seven regional INFORSE networks. Its coordinator and regional focal points are elected by the members at regional and national level. Integrated Sustainable Energy and Ecological Development (INSEDA), India is a regional coordinator of South Asia. In Nepal, CRT/N hosts the network as a National Focal Point.

INFORSE-South Asia is implementing a joint project called Eco Village Development (EVD) to strengthen the advocacy of NGOs to promote sus-

tainable village development to limit climate change, protect environment and reduce poverty.

The CRT/N organized an INFORSE Nepal Consultative meeting under the EVD project



INFORSE consultative meeting being held

activity on June 1, 2018 with the objective of reviving the network, collectively strengthening it through a creation of a "knowledge platform" and facilitate in the development and transfer of technologies, appro-

priate to rural and village development. Stakeholders representing Non- Governmental Organizations (NGO) and few international service organizations participated in the programme.

The programme provided the platform for all the concerned stakeholders to share their few past project activities, experiences and discuss on the way forward to strengthen the INFORSE Nepal network collectively. The closing of the consultative meeting was observed to be very productive and fruitful by all the stakeholders.

After this meeting, three new organizations: MinErgy, National Association of Community Electricity Users-Nepal (NACEUN) and Nepal Forum of Environmental Journalists (NEFEJ) have become the members of INFORSE.

## Extension of Green and Inclusive Energy (GIE) Programme

"Green and Inclusive Energy Programmeme " Nepal supported by Energia/ Hivos has been extended from May 2018 till December 2020.

CRT/N along with its consortium partners, National Association of Community Electricity Users Nepal (NACEUN), Nepal Forum of Environmental Jour-

nalists (NEFEJ), Indoor Air Pollution and Health Forum, Nepal (IAPHF) and Renewable Energy Confederation of Nepal (RECON) is executing this project from October 2016.

The programme aims towards the development of an enabling policy environment to meet the domestic and productive energy needs of the

poor, women and marginalized groups through decentralized renewable energy and clean cooking energy solution. The project area for the extension phase will work in the six districts: Udayapur, Sindhuli, Kavre, Gulmi, Palpa, Nawalparasi.

## Monitoring of Advocacy and, Gender and Energy Research

### Programme by Social Welfare Council (SWC)

PAGE 2



Ms Bhagawati Sangraula SWC observing ICS

The SWC team was found satisfied after meeting with expected respondents and impressed with the answers they have provided. They ensured that the Advocacy and PE project has been working in the collaboration of field level .

SWC monitoring team led by Ms. Bhagawati Sangraula, Acting Director along with Mr. Sundar Shyam Shrestha, Nayab Subba accompanied by Mr. Shyam Kumar Rai, Deputy Director from CRT/N visited headquarter of Dhading district, one out of six working districts of Energy: Empowering Women Uplifting Lives (Advocacy Project) from March 30-31, 2018. The objective of SWC, behind this visit was to monitor the field level activities of the advocacy project. In the field SWC research team; interacted with local stakeholders to better understand the needs and relativity of Project as per the local needs, talked with woman entrepreneur trained from the projects and also interacted with the beneficiaries.

On May 12, 2018 the same team of SWC accompanied by Dr Indira Shakya and Mr Shyam Kumar Rai, CRT/N visited Chapagaun, Lalitpur which is another working area of the project, where they met resource persons of Lalitpur, Resource Center, which had developed renewable energy curriculum for classes 1-5 for the first time, in the support of advocacy project, to be implemented under this resource center. During the meeting, the officials from resource center informed SWC team about the development of renewable energy curriculum, its implementation and the role of advocacy project. The SWC team provided their valuable recommendations and feedbacks after the visit.

Similarly, another team of SWC led by Mr. Ram Raj Bhattarai, Deputy Director and Mr. Krishna Man Singh, Nayab Subba) accompanied by Dr Purushottam Shrestha, Director, CRT/N visited Kailali District on March 8-10, 2018 for Monitoring & Evaluation of research study on Gender and Energy Research Programme (Political Economy) Where they interacted with Community Rural Electrification Entity (CREE) Shukhad, Mothers Group, Key informant persons, also did household survey enumerators and respondents. After the visit they recommend to share findings with government policy makers related with gender and energy.

### Participated at the Gender, Work and Organisation International Interdisciplinary Conference

Dr Indira Shakya from Gender and Energy Research Programeme (Political Economy) participated in the above mentioned conference in Sydney, Australia on June 13-16 2018, where she presented a paper on Energy, Gender and Inequality Stream. During her presentation, she highlighted about the Research Program supported by ENERGIA/HIVOS, 2015-2018, the objective of that research was to conduct a rapid analysis of the Policy on Free Basic Energy and the impacts of this policy. The findings of this study will be integrated with energy policy of India and Nepal and their impacts in respective countries formed the basis of the presentation titled “Rights and Economic Empowerment: An Analysis of Gender Policies in Energy Access and Use in South Africa and South Asia.”

### Participation in Regional Meeting and Mid-Term Meeting in Dhaka

Eco- Village Development(EVD) Project Cordinator, Ms. Shovana Maharjan and Field Cordinator Mr. Subas Lamichhane participated in one day regional event at Dhaka on Feb 12, 2018 which was followed by project mid-term review meeting and field visit to the Grameen Shakti project sites. Ms. Maharjan presented the activities of CRT/N and how it integrated EVD as a combination of development and climate solutions. She shared about the combination of improved cookstoves, rainwater harvesting, Solar Home System (SHS), fish farm, plastic tunnel greenhouses, drip irrigation, use of waste water for irrigation, hydraulic ram pump for irrigation, vermi-composting, etc. The solutions were realised

important and useful in three villages (in Kavre disticts) and are now promoted via organised site visits, participation in fairs and conferences. She also told that besides the climate issues, the EVD also contributes to a number SDG goals, 1, 7, 14 etc. Dr. Kundan Pokharel from Alternative Energy Promotion Centre (AEPC), government of Nepal also participated in the event, where he highlighted about the situation of Nepal with the new local governments structure. He shared the plans and activities of government of Nepal to promote renewable energy technologies in Nepal.



Ms Shovana Maharjan presenting about EVD Nepal project at Dhaka Meeting

# Orientation Programme on RETs, Gender and Energy

## Nexus



**Participants of orientation programme**

CRT/N organized one day orientation programme on Renewable Energy Technologies (RETs), gender and energy nexus for local elected representatives of Bethanchok Rural Municipality on April 6, 2018 at their office. The objective of the programme was to sensitize local representatives; on Renewable Energy (RE), women participation in energy

usage and management, renewable energy use for household and income generation and to promote EVD concept that integrates RETs for livelihood enhancement to upscale all over Bethanchok Rural Municipality. Twenty eight representatives from Rural Municipality and local wards participated in the programme. In the programme, CRT/N highlighted on the importance of RE technologies in EVD concept, Importance of Improved Cookstove, advocacy on women’s participation in energy related policies. Similarly, Mr. Sundar Bahadur Khadka, Energy Officer & Acting Manager of AEPC explained about role of AEPC in new federal government, he in-

formed that AEPC’s role is now shifted to local government. AEPC’s role will be to formulate policy and support the local government to implement the renewable energy programme. Vice Chairman, Ms. Sarita Lamichhane shared that such programme is important to learn about importance of Renewable Energy Technologies and committed that women’s role will be prioritized in energy related works and policies. Similarly Chairman Mr. Prem Bahadur Timilsina emphasized on collaboration with all organizations for promotion and development of RETs in their village.

**Ms. Sarita Lamichhane, Vice Chairperson, Bethanchok Rural Municipality, committed that women’s role will be prioritized in energy related work and**

## Participation in United Nations Climate Change Conference (UNFCCC), SBI48

Ms. Shovana Maharjan CRT/N, EVD project participated in the forty-eighth sessions of the Subsidiary Body for Implementation (SBI 48) and Subsidiary Body for Scientific and Technological Advice (SBSTA 48) as well as the fifth part of the first session of the Ad Hoc Working Group on the Paris Agreement (APA 1-5) meeting held at

Bonn Germany from April 29-May 5, 2018. She participated in the side event organized by INFORSE, INSEDA and Sus Watch with a theme on the “Promote Local Climate Solutions to End Poverty”; Local Actions for Poverty Reduction & Village Development in NDCs & Paris Agreement Work



**Participants in the conference**

Programme-Africa & Asia and presented on “Success with EVD in South Asia”.

## Orientation Programme on EVD, Climate Change, and Environment



**Mr Subas Lamichhane, CRT/N presenting climate change and environmental issues.**

considered as an agent of change, need to be sensitized about climate change and environmental issues and make them familiar about the problems and solutions that they can implement from their local level to tackle these problems, CRT/N organized “Orientation Programme on EVD, Climate Change, and Environment to the Agent of Change” from May 21-26 2018 at ward no 6 of Bethanchok Rural Municipality in collaboration with them.

Altogether 272 people were oriented about the EVD, environment, and cli-

mate change issues. About 40 percent of the participants were female. The programme was organized in the presence of ward Chairman from each ward and other elected bodies in each ward. With this orientation and awareness programme, there is a better understanding among participants about the climate change, its impact on livelihood of people and agriculture, ways to mitigate or adapt with those impacts and most importantly the EVD concept.

With a realization of, local government and other active members of the communities who can be



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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. It provides technical support and consulting services in the field of rural energy, environment conservation, climate change and GESI in energy.

Its working priority areas are: Total Access to Energy (Improved Cook Stove, Improved Water Mills, Hydrum, Solar Dryer/ Cooker), Household Air Quality, Gender and Social Inclusion in Energy, Community Water Management, Climate Change (Adaptation and Mitigation), and Productive use of Energy (Employment and Income Generation) and Women-led, Energy-based Enterprise Development. CRT/N was registered under Company Act in August 1989 but later in October 1998, it was re-registered as Non –Government Organization (NGO).

## Building Resilient Mountain Communities: Earthquake reconstruction in Dhungentar, Installation of Alternative Energy Technologies

CRT/N supported The International Centre for Integrated Mountain Development (ICIMOD) for the installation of renewable energy technologies in Dhungentar village, Nuwakot. This project of ICIMOD focuses on supporting for the rehabilitation of 96 earthquake affected families of ICIMOD'S project area Dhugentar and Ratmate, Nuwakot district, and enhance their livelihood through support for re-construction of houses with application of feasible technol-

ogies mainly focusing on water lifting / rain water harvesting and its management for productive uses.

CRT/N's team successfully installed some of the essential renewable energy technologies (rain water harvesting, solar dryer, parabolic solar cooker, ceramic water filter, plastic tunnel, plastic pond, drip irrigation) which were are less expensive, locally available and essential for household to make their daily work easy, supports in income

generation through application of climate friendly technologies along with technical training on the installation of technology systems.

The final sharing programme was organized by ICIMOD in Nuwakot on 27 April, 2018 where Mr Ganesh Ram Shrestha, Executive Director CRT/N participated this final sharing meeting at the invitation of ICIMOD.

## Training on Preparation of Organic Fertilizer and Home Made Organic Pesticides to Promote Organic Farming



**Practical session being held**

CRT/N in association with Bethanchowk Rural Municipality; Dhunkharka, Kavre and Ghatt Owners' Association (GOA), Kavre organized three days training on compost manure and organic

fertilizers preparation at household level for the six wards of Bethanchok Rural Municipality. Agriculture expert Mr. Roshan Subedi, conducted training with both theoretical and practical knowledge to 31 participants.

The main objective of the training was to build the capacity of the community through promotion of organic farming for environmental conservation and to promote food security. The training also focused on making the community aware of practical knowledge for different local climate adaptation practices and mitigation measures to cope with the negative impacts of climate change faced by the agriculture sector. The participants were provided with skills on kitchen garden and home garden management. They were provided with the knowledge on managing their home garden and kitchen garden to help with food security.



**Women participation in the training**