



**Government of Nepal**

**Ministry of Forests and Soil Conservation (MoFSC)**

**Adaptation for Smallholders in Hilly Areas (ASHA)**

**Report**

**of**

**Renewable Energy Technologies (RETs) Awareness Raising Workshop**

**Background:**

The Adaptation for Smallholders in Hilly Areas (ASHA) project is being implemented from the Ministry of Forest and Soil Conservation (MoFSC) and supported by International Fund for Agricultural Development (IFAD). The development objective of ASHA is the following: "vulnerability of local communities to climate related risks reduced and enabling institutional environment for climate change adaptation strengthened". This will be achieved through (i) strengthening the framework for local-level climate adaptation by building adaptive capacity of participating communities and institutions and preparation of enhanced Local Adaptation Plan for Action (LAPA) by integrating information of Geographic Information System (GIS) based sub watershed assessment and participatory scenario development by envisioning scenario of both current and future condition and (ii) improving the resilience of vulnerable people through channelling project and government financing for implementing LAPA priorities at household and community/landscape levels to expand and diversify agricultural and other livelihood options in collaboration with different stakeholders and implementing partners.

With this respect it is necessary to collect the demand from the vulnerable communities on different types of RETs in the LAPA preparation process and also implement these types during the LAPA implementation in order to build climate resilient societies. For this Memorandum of Understanding (MoU) has been done between ASHA and AEPC on 19th July 2017. Therefore, it is essential to strengthen the capacity ASHA’s staff (technicians/ officers/ social mobilizer and social mobilization coordinators) by conducting awareness raising workshop for the promotion and implementation of RETs.

**Objectives of this workshop**

The objectives of this workshop are as follows;

* To familiarize all of the prevailing RETs technologies and its end use diversification for climate mitigation and adaptation
* To provide basic information on these technologies that how it functions and what are the key parameters that has to be monitored on regular basis
* To get insight the level participants for the preparation training module

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The participants of workshops were the Mid-level Technicians (JT/JTA Livestock and Agriculture, Ranger & Sub-engineer) Social Mobilization District Coordinator, Social Mobilisers and LAPA Service Provider’s Team attached in the **Annex -2.** The duration of the workshop was one day in each district therefore it was held one day workshop on 26th of December 2017 at Kalikot whereas 28th of December 2017 at Dailekh.

**Proceedings of the Workshop**

At Kalikot

The workshop was started at 10:30 AM with the opening session at hotel Hillside Manma Kalikot. During the opening session the welcome remarks was provided from the District Climate Change Specialist Mr. Bhawani Pandey followed by the remarks of AEPC Engineer, Mr. Prakash Bahnadari provided his remarks on the linkage of RETs implementation in ASHA by providing technical support from the Alternative Energy Promotion Centre (AEPC) during installation and post installation in line with MOU. Similarly, District Forest Officer- Mr Ram Chandra Kadel provided his final remarks as the

The technical session was started as follows;

Mr. Pushkar Shrestha, Solar Energy Expert provided his session on solar home system highlighting on;

* Advantages/end use diversifications of solar home system
* Total cost of these equipment
* Subsidy policy on solar home system at different purpose ( such as domestic and institutional)

Followed by Mr. Shrestha, the Improved Water Mill (IWM) Expert (Mr. Rajan Acharya) presented his session on improved water mill with the following major points;

* The objectives of the improved water mill and its end use diversification
* Parts of IWM and how these parts function
* Subsidy policy on IWM technologies
* Service Centres working on IWM technologies

Then Mr. Prakash Bhandari highlighted his session on Biomass and Improved Cook Stove (ICS) with the following major points;

* The purpose and uses of biomass in context of Nepal
* Use of improved cook stove minimizing indoor air pollution
* Subsidy policy for improved cook stove
* Briquette technology

At the end, Mr. Ramesh Nath Regmi- Biogas Expert delivered his session on biogas with the following major points;

* Introduction of Biogas
* Subsidy policy for Biogas
* Costing biogas for the household level and institutional level
* Advantages of Biogas
* Uses of bio-slurry

At Dailekh

The workshop was started on 10:45 am on 28th of December 2017 in Mansarovar hotel at Dailekh. The opening session and the technical sessions were conducted same as the Kalikot. The only difference at Dailekh was after the technical session group discussion conducted by providing three key questions such as;

* What could be the difficulties that had been faced during the LAPA preparation stage to acquire RETs related interventions?
* What could be the potential area to strengthen the capacity of SMs and MLTs to support on RETs implementation?
* What would be the methodologies to strengthen the capacity of SMs & MLTs to support on RETs implementation?

During the guided discussion the participants have given feedbacks as follows;

* ASHA should organize the five days training of trainers on RETs
* ASHA should generate the pool of local resource person on RETs implementation, timely supervision and monitoring of these technologies
* ASHA should collaborate with the other relevant agencies in the rural municipality and municipality so as to work jointly.

**Outputs of Workshop**

* Interaction was done among the AEPC Team, ASHA –PCU, TSU and DPCU team and Social Mobilization team to materialize MOU done between AEPC and ASHA
* Social mobilizers were sensitized on how to explore more RETs related interventions during LAPA preparation
* SMs were sensitized how the RETs functions what are key parameters to be observed during the installation and post installation

**Annex--1**

Name of the Travellers;

At Kalikot & Dailekh

Engila Mishra Maharjan, Climate Change Specialist, PCU- ASHA

Facilitators of RETs

Mr. Prakash Bhandari- Biomass/ICS -----AEPC

Mr. Pushkar Shrestha- Solar Home System-----AEPC

Mr. Rajan Acharya-Improved Water Mill--------AEPC

Mr. Ramesh Nath Regmi------- BSP Nepal

At Dailekh including above ASHA Staff and Facilitators

Mr. Ramesh Maskey- Knowledge Management Specialist- TSU ASHA

Mr. Akash Upadhaya- Project Engineer- TSU ASHA

Travel duration**:**  24th Dec 2017-29th Dec, 2018

Travel mode**:** Aeroplane and Office Vehicle

Itinerary**:** KTM- NPJ- Surkhet- Kalikot- Dailekh- Surkhet-NPJ-KTM

**Table -1** shows the travel itinerary

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| **Date** | **Places visited** | **Activity performed** | **Remarks** |
| 24 Dec 2017 | KTM – NPJ-Surkhet | CCS including AEPC Facilitators travelled from Kathmandu to Nepalgunj through air and then Surkhet to office vehicle and interacted with TSU team & DPCU team for organizing RETs workshop |  |
| 25th Dec 2017 | Surkhet-Kalikot | CCS including AEPC Facilitators travelled from the Surkhet to Kalikot  CCS interacted with the DPCU –Kalikot team for all the arrangement of RETs workshop |
| 26th Dec, 2017 | Kalikot | * CCS &DPC coordinated with DPCU –Kalikot team & District Forest Officer for the opening session of RETs Workshop and overall management * CCS & DPC Coordinated AEPC facilitators to support them for conducting session * CCS participated and observed all session of RETs and clarified the linkage of RETs in Climate change mitigation and adaptation * CCS conducted meeting with the SADA Social Mobilizer SP team of Kalikot regarding the updates of social mobilization issues at field level after workshop |
| 27th Dec,2017 | Kalikot- Dailekh | Travelled from Kalikot to Dailekh |
| 28th Dec,2017 | Dailekh | * CCS & DPC coordinated with DPCU –Dailekh team & District Forest Officer for the opening session of RETs Workshop and overall management * CCS and DPC coordinated AEPC facilitators to support them for conducting session * CCS participated and observed all session of RETs and clarified the linkage of RETs in climate change mitigation and adaptation * CCS supported the facilitation of need assessment discussion on RETs implementation for Social Mobilizers and MLTs |
| 29th Dec,2017 | Dailekh | RETs Facilitators travelled from Dailekh- Nepalgunj- Kathmandu    CCS-PCU ASHA stayed in Dailekh for LAPA implementation workshop for RM/M Representatives |

**Annex-2----- Participants of Workshops**

At Kalikot

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| Government of Nepal | | | |
| Ministry of Forests and Soil Conservation | | | |
| Adaptation for Smallholders in Hilly Areas (ASHA) | | | |
| Project Coordination Unit | | | |
| Hattisar, Kathmandu | | | |
| F.Y: 074/75 | | | |
| Program Name: RETs Awareness Raising Workshop | | | |
| Date: 2074/09/11 (26th December,2017) | | | |
| Location: Hillside Hotel, Khadachakra Municipality, Kalikot | | | |
|  |  |  |  |
| **S.N** | **Name** | **Office Name** | **Designation** |
| 1 | Ramchandra Kadel | District Forest Office-Kalikot | DFO |
| 2 | Engila Mishra Maharjan | PCU- Kathmandu | CCS |
| 3 | Manir Ansari | ASHA- Kalikot | DC |
| 4 | Ashok Nath Yogi | SAADA- Nepal | Executive Director |
| 5 | Bhawani Prasad Pandey | ASHA- Kalikot | DCCS- Kalikot |
| 6 | Sovit Koirala | ASHA- Kalikot | LAPA Coordinator |
| 7 | Rameshnath Regmi | AEPC- Lalitpur | Bio Gas Facilitator |
| 8 | Rajan Acharya | AEPC- Lalitpur | Improved Watermill Facilitator |
| 9 | Puskar Shrestha | AEPC- Lalitpur | Solar Energy Facilitator |
| 10 | Prakash Bhandari | AEPC- Lalitpur | Biomass/ ICS Facilitator |
| 11 | Dal Singh Kumal | SAADA- Nepal | Social Mobilizer |
| 12 | Chakranath Yogi | SAADA- Nepal | Social Mobilizer |
| 13 | Anita Bharati | SAADA- Nepal | Social Mobilizer |
| 14 | Kebal Bahadur Bam | SAADA- Nepal | Social Mobilizer |
| 15 | Jagadis Nath Yogi | SAADA- Nepal | Social Mobilizer |
| 16 | Bela Tiruwa | SAADA- Nepal | Social Mobilizer |
| 17 | Rukum Yogi | Radio Nepal | Technician |
| 18 | Bhim Prasad Devkota | ASHA- Kalikot | Office Assistant |

**At Dailekh**

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| Government of Nepal | | | |
| Ministry of Forest and Soil Conservation | | | |
| Adaptation for Smallholders in Hilly Areas (ASHA) | | | |
| Project Coordination Unit | | | |
| Hattisar, Kathmandu | | | |
| F.Y: 074/75 | | | |
| Program Name: RETs Awareness Raising Workshop | | | |
| Date: 2074/09/13(28th December 2017) | | | |
| Location: Mansarowar Hotel, Dailekh | | | |
|  |  |  |  |
| **S.N** | **Name** | **Office Name** | **Designation** |
| 1 | Engila Mishra Maharjan | ASHA PCU | CCS |
| 2 | Kamal Acharya | DPCU Dailekh | District Coordinator |
| 3 | Suman Acharya | DPCU Dailekh | DCCS |
| 4 | Lok Bahadur Shahi | DPCU Dailekh | LAPA Coordinator |
| 5 | Prakash Bhandari | AEPC,Kathmandu | Biomass/ICS Facilitator |
| 6 | Rajan Acharya | AEPC, Kathmandu | IWM Facilitator |
| 7 | Ramesh Nath Yogi | AEPC, Kathmandu | Biogas Facilitator |
| 8 | Puskar Shrestha | AEPC, Kathmandu | Solar Energy Facilitator |
| 9 | Ramesh Maskey | ASHA TSU,Surkhet | K.M.S |
| 10 | Akash Upadhaya | ASHA- TSU, Surkhet | Engineer |
| 11 | Sita Kumari Sahi | ASHA/SOSEC, Dailekh | Social mobilzer |
| 12 | Lalita Kumari B.C | ASHA/SOSEC, Dailekh | Social mobilzer |
| 13 | Suman Rijal | DPCU Dailekh | Agriculture Technician |
| 14 | Laxmi Kumari Dhakal | ASHA/SOSEC, Dailekh | Social mobilzer |
| 15 | Janak Kumar Nepali | ASHA/SOSEC, Dailekh | Social mobilzer |
| 16 | Abilal Jaisi | ASHA/SOSEC, Dailekh | Social mobilzer |
| 17 | Tara Kumari Rawol | ASHA/SOSEC, Dailekh | Social mobilzer |
| 18 | Tek Bahadur Thapa | ASHA/SOSEC, Dailekh | Social mobilzer |
| 19 | Prabin Thapa | ASHA/SOSEC, Dailekh | Social mobilzer |
| 20 | Namaraj Thapa | ASHA/SOSEC, Dailekh | Social mobilzer |
| 21 | Ramkrishna Buda | DPCU Dailekh | Ranger |
| 22 | Sandip Bishwokarma | DPCU Dailekh | Livestock JTA |
| 23 | Basanta Shrestha | Social Service Centre | Social Mobilization District Coordinator |
| 24 | Chandra Prasad Sapkota | ECARDS-Nepal | Sub-Engineer |
| 25 | Chandra Prakash K.C | DPCU Dailekh | Sub-Engineer |
| 26 | Jib Kumari Khadka | ASHA/SOSEC, Dailekh | Social mobilzer |
| 27 | Sher Bahadur Thapa | ASHA/SOSEC, Dailekh | Social mobilzer |
| 28 | Nirak Bahadur Khadka | ASHA/SOSEC, Dailekh | Social mobilzer |
| 29 | Khambira K.C | ASHA/SOSEC, Dailekh | Social mobilzer |
| 30 | Pabitra Kumari Rawal | ASHA/SOSEC, Dailekh | Social mobilzer |
| 31 | Lokendra B.B.K | ASHA/SOSEC, Dailekh | Social mobilizer |
| 32 | Chitra Bahadur K.C | DPCU Dailekh | Office Assistant |

**Annex- 3 ----Glimpse of RETs Workshops**

**At Kalikot**

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**At Dailekh**

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