

## Annex: 1

# TRAINING REPORT ON "ORGANIC COFFEE FARMING AND PROCESSING" "Cooperative Management"

## A. Background Information:

EcoHimal Nepal has been working with local farmers of rural mid-hill regions; Deusa and Waku Villages under Sustainable tree cropping (STC) programme. This programme is funded by The Glacier Trust, aims to enable communities living at high altitude to adapt the devastating effects of climate change. STC programme has been helping to enable the coffee growers of primary focus area: Deusa and Waku VDC. Other VDCS like Jubu, Lokhim, Pawai, Mugli, Panchan, Necha, Kaku and Salyan are its neighboring beneficiaries and included in the training.

In coordination with District Agriculture Development Office (DADO), Salleri and in cooperation with HELVETAS Swiss Inter-cooperation Nepal and Deusa Agro Forest Resource Centre, EcoHimal Nepal organized 3 days residential training on "Organic Coffee Farming and Processing" to local coffee growers. Many coffee producers are farming coffee using traditional cultivation techniques. They have very little information about sustainable cultivation and effect of climate change in the crop. Farmers are not aware of cultivate coffee in a sustainable way sustaining soil and environment friendly technique. Their farming practices needs to improve on fertilizers application, over and unbalance use of fertilizer, no or over irrigation and improper irrigation, provision of shed tree and timely pruning, , wrong or excessive practice of crop protection, unripe harvesting and wrong way of processing which affect quantity and quality of coffee. Therefore, the soil erosion/degradation, less production, problem of pests and disease can happen easily.

In other hand in the coffee market value chain, the role of farmers has been insignificant. For this farmer's production efficiency, quantity, quality, knowledge, skill and linkage should be improved. That needs to do more significant improvements in the farming practices to be able to cope with changes in the production and processing environment and in the market conditions to achieve better and more sustainable income. The 3 days training has been an opportunity for coffee growers to enhance their knowledge, skill and also exchange practical learnings and de-learnings interacting with farmers of different neighboring area.

**The purpose of the 3 days** training was to train and develop the capacity of local coffee growers in complete approach of cultivation green coffee in a proper way and get high yield and also to protect the environment for next generations.

## B. Training content

The contents of the training were:

- Background: Coffee context in Nepal

- Coffee: In context of World
- Organic Coffee farming: soil selection to plantation
- Nursery management
- Coffee farm establishment
- Important disease and pests and their management
- Organic Pest management
  - Cultivation, processing, packaging, storing, roasting, grinding, and prepare a nice cup coffee.
- Organic coffee certification
- Organic coffee farm management
- And marketing

### **C. Training and Discussion**

The 1st day of training was started bit late than the schedule time. The opening ceremony was conducted on a day with key note speeches from district representative from Nepal Government, organizer, facilitator and guest. There were 34 participants from Deusa, Waku, Lokhim, Pawai, Jubu, Panchan, Mukli, Necha Betghari and Kaku village development committees. Detail of trainee is in [Annex 1](#).

In the beginning, the facilitator reviewed last year's training result and analyzed its impacts. The general introduction and coffee history was explained as first level information to farmers. Due to lack of adequate information and publicity, farmers are suffering from low cost sales of fresh cherry. Dried bean, parchment bean and green beans were demonstrated to participants and the conversion ratio of dry, parchment and green beans from fresh cherry was calculated to let the farmers know to add value to coffee processing methods. Farmers were made aware in complaints like consistency in flavor and color heterogeneity, no proper and uniform roasting, presence of broken beans, and poor packing. It was felt at the time of training farmers were not able to manage proper nursery. The weeding process among farmers practice was completely opposite to that of learning. Nursery management, weeding, harvesting techniques was conducted practically in coffee farm. Participants were very enthusiastic and showed their effort to effective learning process. Turning fresh cherry into parchment bean and then to green bean by use of pulping machine was very interesting to participants. It was new to many farmers those used to for manual processing.

Participants were divided into group, each group was made responsible to pick up fresh cherries from coffee farm and prepare parchment. Later the parchment beans were collected and dried in sunlight to further processing. Moisture meter was used to scale moisture level of beans. The dried beans are roasted and grinded with the help of grinding machine. In this way participants have exercised on the process from Chery beans to cup of nice coffee.

#### **Training on Cooperative Management:**

Together with coffee farming training, co-operative management training has been conducted for 34 farmers. To promote coffee farming, it is necessary to organize a farmer in formal

structure. Coffee Co-operative could be a better local structure for this purpose. The 3 days training was facilitated by Mr. Narayan Dhakal. The training was conducted early in the morning and in the evening after completion of coffee training.

#### **D. Training content:**

- What is cooperative?
- Why we need cooperative for coffee production?
- Merits and demerits of Cooperative
- Cooperative principles
- Concept of cooperative and its historical background
- Development and cooperative
- Ethics of Cooperatives
- Adios and visual of success cooperatives
- Success of Rochadel society
- Process of cooperative formation
- Cooperative and marketing
- Role of cooperative and its members

The training was very interactive and useful for the farmer. 3 days training is only to the ignite need and not enough to know and learn the full concept. Participants has requested for the further training.

The training was useful to aware farmers about the cooperative and its formation. The training was summarized with positive feedback and started the process for formation.

#### **E. Conclusion**

It is necessary to focus on increasing production at farm level together improving coffee processing and quality. Both trainings were an incentive to the farmers as there was still a lack of knowledge and skill on cultivation. Production, processing and marketing. The beauty of the training was inclusion of participants from different VDCs and provide adequate time to expose into real coffee farms and knowledge exchange in group and individual level. We realized that training has inspired coffee farmers to adopt a long term view in coffee and make significant investments early on organizing in a better structure like cooperative.

Prepared By  
Anisha Kharel

**Annex: 1**

<b>Training on Organic Coffee Farming and Processing Technologies</b>						
<b>Date: January (23-25), 2018</b>						
<b>Detail of Trainees</b>						
<b>S.N.</b>	<b>Name of Participants</b>	<b>Sex</b>	<b>VDC</b>	<b>Tole</b>	<b>Ward No</b>	<b>Contact Number</b>
1	Parbati Lamicchane	F	Pawai	Khorda	8	
2	Sitali Rai	F	Deusa	Namse	6	9825709608
3	Bhagidhan Rai	M	Deusa	Pipal Danda	7	9862959035
4	Purnimaya Rai	F	Deusa	Rokti	6	9813436795
5	Sunita Rai	F	Jubu	Ramche	3	9818212930
6	Jaslaxi Rai	F	Deusa	Cherakhu	9	
7	Rajkumari Rai	F	Deusa	Cherakhu	9	9804791790
8	Furtimaya Rai	F	Deusa	Cherakhu	9	
9	Sangita Karki	F	Deusa	Furke	2	9813527703
10	Estar Rai	F	Deusa	Furke	2	9808803309
11	Himalaya Basnet	M	Mukli	Paire	5	9816759442
12	Man Bdr Ban	M	Jubu	Ban Gaun	5	9743005711
13	Bina Rai	F	Panchan	Seselmu	9	
14	Saumaya Rai	F	Panchan	Seselmu	9	
15	Rasti Rai	F	Deusa	Teradukhor	7	9824700331
16	Lokendra Rai	M	Deusa	Rindapu	4	9862831315
17	Chandra Bdr Rai	M	Kaku	Nagiyang	5	
18	Shyam Kumar Rai	M	Deusa	Masep	2	9841426760
19	Nau Bahadur Rai	M	Deusa	Furke	2	9804703251
20	Khem Nachhiring Rai	M	Lokhim	Chhiwa	6	9862951004
21	Tej Kumar Rai	M	Lokhim	Besi	2	9862996994
22	Jai Prasad Rai	M	Lokhim	Besi	2	9814732729
23	Prasnabir Rai	M	Pawai	Khorda	8	9867531814
24	Gobardhan Rai	M	Mukli		3	9804753669
25	Nanda kumari Rai	F	Deusa	Dipli	1	9743054717
26	Manikala Rai	F	Deusa	Dipli	1	9861986066
27	Jibnath Kattel	M	Necha Betghari	Betghari	7	9843684707
28	Dhan Bdr Rai	M	Deusa	Ranem	3	9868683815
29	Arjun Rai	M	Deusa	Masep	2	9849809093
30	Milan Rai	M	Deusa	Furke	2	9861239707
31	Bir Bdr Rai	M	Waku	Siran	5	9840542842
32	Mahesh Rai	M	Deusa	Masep	2	
33	Sunil Rai	M	Jubu			
34	Bhim Lamichhane	M	Pawai	Khorda	9	9743030513