

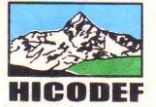
**Layer farming for adaptation.
(LFAP)
(Cultivating and marketing high value crops to improve food security enhance livelihoods and
adapt to climate change in Nepal)**

2nd Quarterly Report



Date: 15Dec 2019-15March 2020

***Submitted by:* Himalayan Community Development Forum (HICODEF)
Kawasoti ,Nawalparasi ,Nepal**



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(LFAP)
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(15December2019 - 15 March 2020)

Background

The Himalayan Community Development Forum (HICODEF) has partnered with The Glacier Trust (TGT) in south-central Nepal to enable climate change adaptation in the remote mountain villages of the Siwalik range since 2009 . Our work in this region has, to date, enabled people to increase their resilience to the growing impacts of climate change. From this year 2019 this project has been designed by TGT and HICODEF in close collaboration with farmers in each of the three villages (Ripaha, MatthilloBasani, and Lahape) and all relevant local government institutions.

Through this project we have reached a further the remote villages in the foothills of the Himalayas. This is an area of dangerously low food security. Climate change and inequality are exacerbating these problems significantly. in this project Coffee can be grown with other high value crops, root vegetables and fruits across the Himalayan foothills as a climate change adaptation and livelihood improvement strategy .Coffee will be grown using the organic 'layer farming' method so that coffee is inter-cropped with fruits, vegetables and other high value crops to vastly improve income, diet and resilience to climate change. Through this project, we will enable farmers in to grow coffee commercially for the first time.

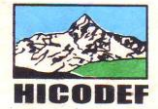
We have also work with local primary school children and teachers to give them practical and theoretical knowledge of ecosystem-based climate change adaptation and environmental conservation.

During this period we have been implementing such activities like as Coffee market coordination, Plant Clinic, coffee production & cultivation Training, Plastic pond & Tunnel Distribution, School engagement program,, OJT volunteers' mobilization and monitoring & evaluation.

This report refers for the activities implemented in 2nd quarter between15, December 2019 to 15, March2020 in the community of Ripaha & Basani villages of Hupsekot Rural Municipaliity & Lahape village of Boudhikali Rural Municipality.

Major Activities of the project in this period

- OJT Volunteers Mobilization
- Coffee market Study & Coordination Visit
- Coffee cultivation & Production Training ,
- Plastic Tank & Tunnel Distribution
- School engagement program



- On Site Technical Support /Plant Clinic
- ECCLA. Program Monitoring

Plan Vs Achievement so far

SN	Activities	Plan		Achievement	
		1 st Quarter	2 nd Quarter	1 st Quarter	2 nd Quarter
1	OJT Volunteers Mobilization	6	4	4	2
2	Coffee market Study & coordination	-	-	-	1
3	Coffee cultivation & Production Training ,	-	3	-	3
4	Plastic Tank& Tunnel Distribution	-	6	-	9
5	School engagement program	3	3	3	3
6	On Site Technical Support /Plant Clinic	-	6	-	4
7	ECCLA. Program Monitoring	1	1	1	1

Achievement till 15 March 2020

1 .OJT Volunteers mobilization

According to our plan there are 6 OJT volunteers to be haired but only 4 volunteers have been joined as JTA (Junior technical Assistant) volunteers in our program during this period .**(3 from Ammar Secondary School, Bharatpur Chitwan, &1 from Shaid Smirit community Secondary school kawasoti.)** Before mobilising them, one day orientation have been organised for them in HICODEF office. Introduction of project, objectives, activities, rule®ulation of Organisation, project, benefits of OJT, activities implementation process &methods, their roles and responsibilities for smooth mobilization of project have been described in the orientation. After orientation these 4 females plant JTA (Junior technical Assistant) volunteers have been placed two project sites & mobilized them in 2 farmers groups (2 volunteers in each group-2 in Ripaha, & 2 in Matthillobasani) . The volunteers have been helped for strong social mobilization and technical support to the farmers in regular basis as well as capacity development of their own as they live in the community create opportunity to build relationship of trust with the farmers. The volunteers have been guided and monitored by Program Coordinator of the project. The volunteers have massively mobilized to collect the information of farming and other social issues. They also have mobilised to get tthe information of coffee. This initiation aims to support farmers in the field as well as to develop human resource to work in the agriculture sector.

Due to the personal problem 2 OJT volunteers placed in Basani have dropped out from Jan,2020. Now only 2 OJT volunteers placed in Ripaha are working in the site

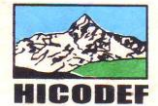


Monitoring the Tomato Nursery& participating in coffee training by OJT Volunteers

2. Coffee market Study & coordination Visit

A short coffee market study & coordination visit have been made during this quarter In this study the following organization, institution, company & person have been visited & coordinated .

Sn.	Name of Orgonation , company	Address /Location	contact Person & Mobil .No
1	District cooperative federation Ltd.	Gulmi, Tamgash	Yov Raj acherya,9757001016
2	Coffee Research centre	Gulmi, Bhandaridanda	Krishna bdr. Thapa 9857964191
3	District Coffee cooperative federation Ltd.	PalpaTensen	Kamal khanal.9847028310
4	High mountain Aribica Coffee company	Gimdi 7 LalitpurSatdhobato	Raj kumarDulal 9860888126
5	Highland Organic Coffee company P.Ltd.	ThulobharayangSwoyambhukthmandu	Krishna pr, Ghimire 9841967878
6	Mount Everest organic Coffee company P.Ltd.(Mustang Coffee)	Kuleshowarkathmandu	Phulkumar Lama 985102766;
7	National Tea & coffee Development Board ,	New Baneshowar, kathmandu	GaurabLuitel, 01.4499786;9849151659



In this study we have been collected company wise prize list of the coffee (Fresh cherry, Dry cherry, & parchment) .Which are as following.

Name of Orgination , company	Address /Location	Rate list (NRs) /Quality Grading					
		Fresh cheery		Dry Cheery		Parchment	
		A	B	A	B	A	B
District cooperative federation Ltd.	Gulmi, Tamgash	NA	Na	120	100	450	350
Coffee Research centre	Gulmi, Bhandaridanda	Reference Material collected					
District Coffee cooperative federation Ltd.	PalpaTensen	85	70	130	80	550	400
High mountain Aribica Coffee company	Gimdi 7 LalitpurSatdhobato	85	70	200	100	575	400
Highland Organic Coffee company P.Ltd.	ThulobharayangSwoyambhukthmandu	NA	NA	200	125	450	350
Mount Everest organic Coffee company P.Ltd.(Mustang Coffee)	Kuleshowarkathmandu	NA	NA	NA	Na	550	500
Government of Nepal,National Tea & coffee Development Board.	New Baneshowar, Kathmandu	85	75	140	90	425	375

According to this study there is good market of coffee in Nepal. Farmers can sell raw coffee in good prize. To get good prize the farmers should be careful on quality of raw coffee like cultivation, altitude, pre - processing, moisture, storage etc. But there are difficult to local level market in Nawalparasi or nearby city. There are no local collector in Nawalparasi . So that we should facilitate to develop coffee buyer agents in local level market or develop mechanism of raw coffee collection & selling in local level or within farmers groups which give easy access for coffee farmers to sell their raw coffee.

In this visit, we get an opportunity to know the situation of coffee market, perception of coffee related organization, institution, company & persons. This visit has not cover the condition & perception of commercial coffee farmers. So a visit needs to be plan in coffee commercial farmers as well as small farmers to know their condition & perception on coffee markets & quality.

3. Coffee cultivation & Production Training

In this quarter we organized 3 events of Coffee cultivation & production training in Ripaha, Basani & Lahape .Two days' training were separately organized in the three site of project area. The well known facilitator Mr Mitha Ram Jamkatel was the main facilitator of these trainings. He is the person who facilitated in Solukhumbu project site and result of the training is very much overwhelming. History of coffee cultivation, varieties of coffee & its nature, Environmental aspects, & location for coffee farming, coffee nursery & plantation, Garden management, coffee pest pesticides & diseases, coffee harvesting, coffee bean processing technique & its marketing are the major contents of the training. The training was conducted in lecture, presentation, practical exercise methods. Most of the participants are excited for the training. After the training all the participants are made commitment to plant the some no of coffee plants in their field.

Here are the details of Participants of training, See in table.

Training Date	training Site	Participant		
		Total	Male	Female
3-4 Feb,2020	Ripa	36	13	23
6-7 Feb,2020	Basani	25	12	13
9-10 Feb,2020	Lahape	40	15	25
Total		101	40	61





Glances of Ripa Training



Basani Training Glance





Lahape Training Glance

4. HDP Tank & Tunnel Distribution

In this period, we have Supported 9 units of 1000 Lits. HDP Tank for irrigation & 9 units of Silpouline (10Mx6M) for tunnel farming for the 3 farmers of Hupsekot- 4 Ripaha & 6 farmers of Bundhikali-6 Lahape. This is the activity to support to increase production of agriculture product specially vegetables.



IrrigationTanks for Ripaha farmers

Irrigation Tanks for Lahape farmers

This is the joint venture activity. In these activity 50% amounts of total cost & transportation has been contributed by beneficiary farmers in HDP tank and all the cost for tunnel construction has been bear by the famers that creates the ownership as they invest their money. Now the farmers have already fixed the tank and started to make the tunnel in their fields. The farmers are very excited and enthusiastic to cultivate vegetables in tunnel site.

5. Schools engagement program

During this period we have conducted school engagement program in the project sites .There are up to 3 grade in Ripaha (Shree Surya Binayak Basic Level School), up to 6 grade in Basani (Shree Rastrya Basic level school) & up to 8 grade in Lahape (Shree Laxmi Basic Level School- 4 Groups) . We have formed students groups in each schools in Ripaha (Shree Surya Binayak Basic Level School-3 Groups), Basani (Shree Rastrya Basic level school-4Groups), &Lahape(Shree Laxmi Basic Level School- 4 Groups). The students of classes 2-8 are involved in these groups. According to numbers of classes & students we have formed 3-4 groups in School. Each group has a special name for identity like *Red, Yellow, Blue and Green*. Every group selected one Group Leader from the students. The Groups have been caring & facilitated by focal person and the focal person has been selected from the teachers. All the school engagement activities will be done through these groups in school. Furthermore there will be healthy competition among groups to complete the task. During this period we have conducted climate change classes at all 3 schools. In the classes we discussed on the meaning of climate Change, its Impact, & Addressing measure what will be the local incentives for adaptation. All the classes are conducted through flip Chart, presentation and Groups discussion methods. All the students have shown their interest in such classes and presentation.



Students Group Formation For school program



Climate change Class to Student

6. On-site Technical Support /Plant Clinic

In this period we have supported four session of on-site technical support in Ripaha, Basani & Lahape. In this session we discussed in farmers group on problems faced by farmers like diseases of vegetables plants and their solution in practical manner. In this clinic they have been taught about the preparation of bio pesticide, preparation of organic manure for organic farming. After this classes more than 50% farmers are started to prepare and use of bio pesticide, liquid organic manure for their vegetable cultivation. Farmers are started to collect cattle urine to prepare bio pesticide & liquid manure.



7. ECCLA Program Monitoring

During this period the project coordinator of this project have been monitored previous ECCLA project activities in Dhabaha, Satakun & Dulunga. During this monitoring the pc have been visited farmers HHs & their Cultivation Land, Home Garden, Project site like tunnel site. This is a time of harvesting potato vegetable so most of the farmers are engaged in potatoes harvesting. The RVT of Dulunga have been running very smoothly. Farmers are taking irrigation facilities from this RVT. In Dulunga 9 farmers are actively involved in tomato & potato farming. The farmers of 3 sites have been sold 3732 kg tomatoes &

4050 KG Potato during this period. More than 52 HH farmers have planted onion in 2.3 ha of land. The cultivation of broom grass is scaling up in Dhabaha smoothly. The community of Dhaba has started to harvest the broom grass now.



Onion, Tomato & Broom Grass cultivation

Challenges

- Dependency have been noticed in Satakun and Dhabaha as they have just cultivated vegetable for consumption no more commercial farmers.
- Continuation of project activities in community without project support.
- Dropped out. of OJT volunteers
- Community have small quantity of coffee parchment, but they have not access selling local level markets so we have to develop local level collection centre of fresh cheery & coffee parchment.

Future plan

- Visit existing local level Coffee Farmers outside the target area.
- Onsite Technical Support /Plant Clinic,
- Coffee plant Demand collection
- School engagement program continue

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