

## **Executive Summary-**

YAC Nepal is holding secretariat for NGO network of Climate Change for far western region since 2010. During this tenure of 2 year period, YAC Nepal in technical and financial support from LIBIRD has been initiated awareness building related activities in this region, also supported to LIBIRD to organize regional level meeting, orientation program about Climate change, and learning sharing workshop in Kailali district. In this connection, YAC Nepal has organized 7 events of climate change orientation to the 260 representatives from government and non government organization in 7 district of this region. Similarly implemented climate change initiatives focusing to Raji and Kumal community (indigenous people) of Khailad and Bhajani VDCs aiming to incorporate the climate change issue in VDC programming and promote community based adaption practices.

In continuation to the above climate change initiatives, YAC-Nepal signed an agreement with LIBIRD Pokhara to implement Networking, awareness rising, and capacity strengthening, promoting adaptation technology in Far Western Development Region of Nepal on Climate Change for three month period effective from September. Under this program YAC Nepal has implemented 3 events of CC orientation to the farmer group, 2 events of climate change capacity building including climate change vulnerability assessment training to new and old NGO member and NGONCC member, identify two local level adaptation measures as organic vegetable farming in Bagar land, and plantation of jatropha and bamboo in the river bank are to control the land cutting from flood, organize 2 event of meeting of NGONCC member, organize 3 event of public awareness campaign and awareness rising activities, and organize knowledge sharing on CC and its effect with student, farmers association member, teacher and member of CFUGs. YAC Nepal has achieved some of the key output from this short period project activity as follows;

- Total of 83 farmers including familiarized about the climate change issue, its effective in nature and living beings.
- Two groups Mukta Kamaya of Dhanchauri and Environment conservation committee of Lathuwa has initiate local adaptation measures implementing bagar vegetable farming technology, and plantation of Bamboo and jatropha in the bank of stream to control land cutting/erosion.
- The community also familiarized about LAP and use of vulnerability tools to identify the alternate adaptation measures suitable to their area and also awared about the climate change disaster of their area.
- Lathuwa community able to access resource from VDC for protection of their plantation area.
- 20 New NGOs became a member of Regional NGONCC
- 43 representatives from I/NGOs, government organizations, and media awared the climate change scenario of Kailali district.

- From this program YAC Nepal able to share climate change knowledge and experience to different level of stakeholders as student, farmers, media, and government agencies.
- Build collaboration relationship with DDC, Alternative Energy, Bio-diversity promotion Cooperative, CFUGS, Media, and Chamber of comers to create awareness on climate change.
- More than 233 representatives' from different organization suh as government organization, civil society organizations, political parties, journalist, local FM radio, FECOFUN, Water and sanitation committee, cooperative, Campus, Socil society member sensitized on climate change issue through orientation, and training program.

The implementation of the program is being delay due to many technical and social problems as Ddashain and Tihar vacation, peak crop harvesting period, external evaluation of YAC Nepal and time availability of NGONCC member organization of different district. However YAC has completed all the activities with encouraging participation of different stakeholders. This program is become able to recognize YAC Nepal as an organization working in the field of Climate change in far west region. It is realized that the time period is very short to implement all the activities within given time frame of 3 month period. Next it is more effective to organize meeting in each district at least twice a year for follow up of the planned activities or commitment and expanding the the scope of knowledge sharing with multiple stakeholders. It is learnt that vulnerability assessment usually created expectation of community, in one hand and in other hand it is necessary to support community to initiate the adaptation measures.

### **Recommendation-**

It is very essential to support to the vulnerable community to incorporate their demand in VDC council to seek resource support to execute the adaptation measures. Similarly capacity building of point person is next critical part to take up climate change issue to different level of stakeholders and also support farmers group for formation of CAPA.

Thank you

## **Networking, awareness raising, and capacity strengthening, promoting adaptation technology in Far Western Development Region of Nepal on Climate Change.**

**Background-** YAC Nepal signed agreement with Local Initiatives for Biodiversity Research and Development (LI-BIRD) Pokhara to implement "**Networking, awareness raising, and capacity strengthening, promoting adaptation technology in Far Western Development Region of Nepal on Climate Change**" with overall objective of expanding and strengthening capacity of NGONCC members, capacity building of farmers group and promotion of local level adaptation measures. In this connection YAC Nepal has organized 3 orientations to farmers groups, identifies and initiates 2 adaptation technologies as identify by the vulnerability assessment, Organize 2 training on CC to new NGO members, one training to the representatives from leader farmers group representatives from 9 district. Similarly organized two climate change, LAPA, NAPA and vulnerability assessment training to NGO members, organized two event of public awareness program in coordination with DDC-kailali, communities, Chamber of Comers-kailali, and Bio-diversity promotion cooperative, and organized one events of day celebration and information sharing orientation on CC and wetland conservation to Student under this program. The summary report of each training, meeting, exercise of vulnerability assessment, promotion of local level adaptation initiations, public awareness program and learning sharing on climate change is summarized into 3 different section as below.

### **Section- 1. Farmers level training on CC and promotion of Adaptation measures-**

#### **a) Report of Capacity Building Training of farmer's (Muktakamaya-Dhanchauri and Farmers Group-Sandipani) group-**

**Introduction-** YAC Nepal has organized capacity building training to total of 33 community representatives to the representatives of Muktakamaya of Beladevipur VDC ward-1, Dhanchauri. The settlement of the community is at the edge of Kutia river as the government of Nepal has settled this community by providing 5 Kattha of land to each families. But from last 7 years the area is seriously affected by the flood in the Kutia river which now is changed in the Bagar expect their house yard area. These families are seriously affected by the climate change related hazards, thus YAC has selected to this community to provide CC training with focus on promotion of alternative adaptation measures to use the Bagar land for their livelihood support. Adjoining to 2 days CC orientation, vulnerability assessment has been carried out in Dhanchauri to identify the alternative climate change adaptation measures for their livelihood support. In this connection YAC has organized CC training to the farmers group with achieving the following specific objectives;

#### **Objective of the Training-**

- To understand climate change basic principle and concepts.

- To be acquainted with source and reason of happening climate change disaster its effect in livelihood of vulnerable community.
- To enhance knowledge and skill about different tools of vulnerability assessment
- Identify suitable local level adaptation measures and prepare LAPA suitable to the area.
- Enhance knowledge and skill to implement and promote local level adaptation measures



**Discussion on Climate Change Effect-Dhanchauri muktakamaya**

**Summary of the Training-** The first day session is organized in YAC Nepal's office and next day session has been organized in the field. In the course of first day sessions the participants were facilitated about the meaning of weather, climate, climate change, green house gases, reason of happening climate change, and effect of climate change disaster, and the measures to address the climate change as mitigation and adaptation. Training organized to 33 participants including 28 female from 15 to 16 Margshir 2069 (30 Nov nd 1 Dec). The training is started from introduction among participants and collection of expectation of the participants whichs were as follows; The expectations of the participants were as follows;

- To know about difference between Climate change and weather
- To know about the reason of happening climate change and what happened due to climate change
- How happening the climate chnge
- What is climate change and which communities are most vulnerable in view of climate change
- What is mitigation and what are the measures to to mitigate the effect of climate change
- What is vulnerability, and how vulnerability assessment is done
- How manage the disaster, What is "O' zone?
- What is LAPA and how it is designed?

Facilitator has briefly shared objective to participants and also matches the expectation of participants with training objectives.

Before going on to the subject matter, facilitator has questioned to the participants for their understanding about weather and climate Change and listed the saying of the participants on news print. As participants were not clear on climate change, but they expressed that the happening of draught, flood, fogs is of due to climate change. With connecting the views of the participants, the facilitator has define about weather, climate, and climate-change with giving some example as it was cloudy in the morning and sunny at evening such short period changed in nature of happening hot, cold, nature of air etc is called weather, while climate change is the changed in the pattern of happening rain, cold, hot at least of 30 year od period. For example the pattern of rain fall has significantly changed since last 8 to 10 year of period.

Adjoining to this session, the participants were made clear about the science of happening climate change and green house gases. The picture presentation of global warming made clearer about how the temperature of earth is increased day by day. The example of plastic tunnel which is widely used for off-season helps to illustrate the participants to clarify the GHGs and its impact to keep the temperature inside the tunnel. Following this session discussion has been made about the reason and sources of happening climate change. This session has made clear to the participants as climate change is mainly due to of different activities introduced human being such as physical infrastructure, use of solar panel, industrial development, deforestation, improper management of solid waste etc that increases the emission of GHs which ultimately contribute of happening climate change. During this session some of the visible impact of climate change disaster has been discussed among the participants. During the

discussion the participants have shared some example of climate change and its effect in their livelihood as follows;

- As now a day's (about 8-10 year period) the pattern of rainfall is changed. Period of rain fall shifted to Bhadra to Ashwain as befor it happened during Ashar to Bhadra, and the amount of rain is increased but duration is shortened.
- The happening of fog is started earlier from Kartik, hot is increased than before.
- Period of draught is increase resulted low production, and heavy rain fall resulted flooding that make the livelihood very difficult.
- First time the tubel water and pond water in kailali observed dry-up

After this session, discussion was done about measures of addressing the effect of climate change disaster through applying and promotion of mitigation and adaptation option. The participants has made clear about the concept of mitigation and adaptation with brief information about LPA and NAPA, and the role of local governance to support community to mitigate with climate change impact.

Next day session has been organized in the field, basically for making them familiar about the tools and process of designing local level adaptation measures. In this connection list out the climate change disaster as community have been facing and also prioritize the climate change disaster. For this session group work has been exercised to design the local level adaptation plan. The exercise has clearly showed that, flood and draught is most serious climate change disaster due to which the land is converted into Bagar and remains fallow since 5 year. Now community has prepared plan to use this land by introducing the Bagar vegetable farming technology. The group came up with the following action of plan to promote the adaptation measures.

#### **Local Adaptation Measures to use the Bagar land - Dhanchauri**

SN	Type of Disaster	Affected Sources of livelihood	Effect of disaster	Local adaptation measures	Alternative measures
1	Drought	Agriculture, and Natural resources as forestry, water etc,	Dry of plant, Standing crops, Impotency, Stunt growth, Low production, Forest fire, incidence of disease, insect both in plant species, animals and human being,	Only few families use ground water from pump-boring, but many of famles could not pay for pump irrigation.	Manage for deep boring for irrigation, Organic farming system. Off season vegetable farming, In the Bagar area and fallow land along the side of Khuta Stream introduce Bgar vegetable farming technology.
2	Flooding	Agricultural Land, Human and animal being,	Land slide, inundation, crop loss, forest loss, collapse of	Local measures of control land slide, provision of drain out	River training using bio-engineering. Plantation of Bamboo, and Jetropha in the fellow

		physical infrastructure ect	road, rural access, houses, loss of human and animal life, occurrence of different diseases etc.	drainage, Construction of stone wall and plantation of Bamboo in support of VDC.	land around the community. Provide opportunity for skill development training on weaving of Gundri (mat), Dhakiya, Pankha etc from Kasungha-Patero, Goan, Khajuri etc. Promotion of local crop variety and manage wild vegetable species.
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**JT Facilitating to Farmers on Land Preparation**

All 33 families of Dhanchauri Community belong to Mukthakamaya who have been settled there since 2058. The Nepal government has provided 5 katha of land to each families but right after their settlement the land started to eroded from the flood on Khutia river, as a result almost the land is swept away by the flood and the area is converted as a Bagar. Now they do have only their house yard. The means of livelihood of this community is seriously affected due to draught and flood as well. They do have some land which is covered by sand as converted into Bagar. Thus appropriate use of the Bagar land is only the option to support their livelihood. Thus the community has prioritized Bagar vegetable farming technology as an alternative adaptation technology to combat the climate change impact. In this regards-YAC Nepal jointly with DADO Kailali, Beladevipur VDC and Community has implemented Bagar vegetable farming using organic and off season vegetable production technology in the 10 kattha of land in the bagar area. YAC has provided technical and input support to the community to implement this adaptation technology. The groups of 33 families are working in this farming.

Based on the outcome of the climate change training, Bagar vegetable farming during winter season is identified as a alternative option to support the livelihood of these communities. Therefore a 2 day s training has been again organized to 33 representatives of this communities on Bagar vegetable farming including off season vegetable production technology. The training has been facilitated by the DAO- kailali in collaboration of YAC Nepal. During the course of training a busuness plan has also prepared to ensur the return of the vegetable farming. After training a group meeting of the community members has been organized to carry out this entrepreneur successfully. The meeting has made decision to carry out this activity as follows-

#### **Meeting Decisions-**

1. All 33 member will work jointly or in group for vegetable farming.
2. Community will work for plantation, land preparation, watering, interculture operation, harvesting and marketing of the product.
3. Community will approached to VDC for irrigation pipe support.
4. YAC needs to provide technical and input support such as field preparation, manure (compost), fertilizer, seeds, water spray and pest management.
5. Similarly YAC or DADO will support for techniques for land preparation. making trench, seed sowing method, mulching and care of support from seeding to harvest.
6. They decided to grow cucumber, Bitter guard, Guard, pumpkin, and ater melon.

YAC Nepal has bear the cost for training, and input support for promotion of Bagar vegetable farming in Dhansingpur community. The community member have been planning to carry out the plantation along the river side are and also the fallow land available around the community to protect the land erosion due to flood in the Khutia river. They also put demands to VDC for resource support for chicken rising but due to cut down of VDC fund in this year VDC cannot allocate budget for them. However VDC has made commitment to allocate fund in the coming year.

**B) Orientation on CC and vulnerability assessment at sandipani VDC-** Two events of climate change training has been organized to 50 representatives including **27** female from farmers group and forest users group of Sandipani VDC on dated on 23 Margashir (8<sup>th</sup> December 2012) in the Lathuwa ward no-1 of Sandipani VDC. During the course of training, the participants were made refresh about the definition of weather and climate change as most of the participants have already participated in the public awareness rising program that has been held in the 29<sup>th</sup> of August 2012. Further, the focus has been placed to orient the participants about the science and reason of happening climate change, shared about resources that cuses emission of GHS, different area that climate change disaster affect on. During the course of training session visible effect of climate change and type of disaster have been shared among the participants. The participants has shared that now a days the flood is increased in this area since last 8 to 10 year as it is mainly due to the heavy rainfall, long draught and deforestation in the churi area. Adjoining this discussion the participants were briefed about the measures to mitigate and adapt the negative impact of climate change hazards. Definition and type of mitigation and adaptation has also shared with the participants. During the training session the participants have strongly realized to install the carbonless CHULO aiming to that help to protect forest and health as well.

The National policy and provision in relation to climate change has also been shared with focus on NAPA and LAPA. The process (vulnerability assessment tools) and steps has been shared with the participants. After sharing about the vulnerability assessment tools and analyzing the vulnerability in the area the group has prioritized climate change disaster and finally preparation of local adaptation plan with alternate option is identify as below.

**Identification of Local Adaptation measures** (Sandipani VDC) - During the course of vulnerability assessment disaster prioritization exercise has been done in the group. Draught is identified serious problem in the area, as participants have expressed that, the nature and amount of precipitation has been drastically changed since last 6 to 10 year. The amount of rainfall is increased but the duration of rainfall is shortened and shifted from its normal time. Now the rainfall is mainly observed during last of Bhadra and up to second week of Aswain. Inundation and flood is next serious problem due to effect of climate change. (Small and poor farmers are mainly suffered from the draught who mainly depends up on rain and they cannot afford for alternate means of irrigation. Based on the outcome of disaster priority exercise, a local adaptation plan has been exercised in the group which is as follows-

SN	Type of Disaster	Affected Sources of livelihood	Effect of disaster	Local adaptation measures	Alternative measures
1	Drought	Agriculture, forestry, source of water,	Low production, Forest fire, incidence of disease, insect both in plant	Use mulching in vegetable, shifting time for crop plantation, plantation etc	Manage for Pump irrigation from the stream, Use draught resistant variety, mix cropping , Organic

			species, animals and human being,		farming system, Watershed management in the catchment area-Churi area, management of Natural resources, plantation.
2	Flooding	Agricultural Land, Human and animal being, physical infrastructure ect	Land slide, inundation, crop loss, forest loss, collapse of road, rural access, houses, loss of human and animal life, occurrence of different diseases etc.	Local measures of control land slide, provision of drain out drainage, Construction of stone wall and plantation of Bamboo in support of VDC.	Use water resistance paddy variety, Mix cropping system, River training, plantation along the river side. Practice of ziro tillage cultivation along fallow land of river site.

The community has decided to use mix cropping system in the winter crop as wheat and pea, maize and beans and organize farming system in vegetable farming as a local adaptation measures. Similarly has decided to plant Asparagus and zinger as a enter crop in the plantation area along the site of river near by their crop land to control soil erosion. YAC Nepal in support of Bio-diversity promotion cooperatives and VDC will provide technical and resource support for plantation of Jatropha, Bamboo and Zinger and Asparagus as enter crop. This is one of the suitable local level adaptation measures to minimize the loss due to effect of climate change. The community has planted approximately 150000 plant species (jatropha and Bamboo) during rainy season which was supported by YAC Nepal under climate change program. Now the community motivated to plant Zinger and Asparagus to harvest multi crop and save the losses due to disaster.

#### **Name list of participants (Dhanchauri)-**

CC training, Group formation and Bagar vegetable farming training, field preparation, manuring, seed sowing (15, 16,17, 19, 20, 21 Margshir )

Sn	Name of participants	Nature of participants	Address
1	Sonia Chaudhary	MuktaKamaya	Beladevipur
2	Ram Prasad Chaudhary	MuktaKamaya	Beladevipur
3	Bijaya Chaudhary	MuktaKamaya	Beladevipur
4	Sabtri Chaudhary	MuktaKamaya	Beladevipur
5	Kalpna Chaudhary	MuktaKamaya	Beladevipur
6	Kunti Devi Chaudhary	MuktaKamaya	Beladevipur
7	Puspa Chaudhary	MuktaKamaya	Beladevipur

8	Shova devi Chaudhary	MuktaKamaya	Beladevipur
9	Sunni Devi Chaudhary	MuktaKamaya	Beladevipur
10	Rismani Devi Chaudhary	MuktaKamaya	Beladevipur
11	Masuria Devi chaudhary	MuktaKamaya	Beladevipur
12	Tulsi devi Chaudhary	MuktaKamaya	Beladevipur
13	Sikni Devi Chaudhary	MuktaKamaya	Beladevipur
14	Gulia Devi Chaudhary	MuktaKamaya	Beladevipur
15	Laxmi devi Chaudhary	MuktaKamaya	Beladevipur
16	Nugmani devi Chaudhary	MuktaKamaya	Beladevipur
17	Sanas kumara Chaudhary	YAC Nepal	Pabera
18	Lahani Chaudhary	MuktaKamaya	Beladevipur
19	Bhikhu Chaudhary	MuktaKamaya	Beladevipur
20	Jugiram Chaudhary	MuktaKamaya	Beladevipur
21	Phulram chaudhary	MuktaKamaya	Beladevipur
22	Ramkrishna Chaudhary	MuktaKamaya	Beladevipur
23	Kamala Chaudhary	MuktaKamaya	Beladevipur
24	Lalita Chaudhary	MuktaKamaya	Beladevipur
25	Sita Chaudhary	MuktaKamaya	Beladevipur
26	Somati Chaudhary	MuktaKamaya	Beladevipur
27	Ramdulari Chaudhry	MuktaKamaya	Beladevipur
28	Acchi Chadhury	MuktaKamaya	Beladevipur
29	Maheswori Chaudhary	MuktaKamaya	Beladevipur
30	Dhani Devi Chaudhary	MuktaKamaya	Beladevipur
31	Anjali devi Chaudhary	MuktaKamaya	Beladevipur
32	Dhansara Chaudhary	MuktaKamaya	Beladevipur
33	Chunchun Chaudhary	MuktaKamaya	Beladevipur
34	Suraj Kuwar	YAC Nepal	
35	Sarju Chaudhary	YAC Nepal	Facilitator
26	Hark Bahadur Bam	District Agriculture Development Office-kailali	Facilitator

**Name list of CC orientation/vulnerability assessment Lathuwa-**

SN	Name of participants	Address	Remarks
1	Rama Acharya	Lathuwa	Group-A
2	Bishnu Deve gautam	Lathuwa	
3	Ranjita Oli	Lathuwa	

4	Gita malla	Lathuwa	
5	Phampha Oli	Lathuwa	
6	Ansha Sunar	Lathuwa	
7	Sita	Lathuwa	
8	Kalpana Kandal	Lathuwa	
9	Pabitra devi Oli	Lathuwa	
10	Bal Kumar Gautam	Lathuwa	
11	Khagi Sara	Lathuwa	
12	Sita Neure	Lathuwa	
13	Kailish	Lathuwa	
14	Tara	Lathuwa	
15	Kausilla Tiwari	Lathuwa	
16	Asha Tiwari	Lathuwa	
17	Lal	Lathuwa	
18	Ramkala Khadaka	Lathuwa	
19	Dhansari Tiwari	Lathuwa	
20	Maya Gurung	Lathuwa	
21	Dhansara	Lathuwa	
22	Bipana Gurung	Lathuwa	
23	Reshmi	Lathuwa	
24	Bimala Devi Chaudhary	Lathuwa	
25	Phulmati devi Chaudhary	Lathuwa	Group-B
26	Sangita Chaudhary	Sandipani-7, Lathuwa	
27	Nain singh Bam	Sandipani-7, Lathuwa	
28	Harichan	Sandipani-7, Lathuwa	
29	Indra Bahadur Malla	Sandipani-7, Lathuwa	
30	Saroj Nuere	Ghodaghodi Cooperative-sandipani-7	
31	Upendra raj Giri	VDC representatives	
32	Nawal Singh Bohora	Lathuwa-7	
33	Ratansingh Bohora	Lathuwa-7	
34	Nirmala Rana	Lathuwa-7	
35	Hira Chaudhary	Lathuwa-7	
36	Dhaniram Neure	Lathuwa-7	
37	Khadak Bahadur Pokharel	Lathuwa	
38	Mankala Chaudhary	Lathuwa	
39	Muralidhar Gautam	Lathuwa	
40	Lal Bahadur Khati	Lathuwa	
41	Dilli Raj Gautam	Lathuwa	
42	Nawa Raj Neure	Lathuwa	
43	Jar Bahadur Bista	Lathuwa-7	
44	Bhandev Jaishi	Bio-diversity promotion Cooperative	

45	Dirgha Raj Joshi	YAC-Nepal-Facilitator	
46	Ramesh Bhattra	YAC-Nepal-facilitator	
47	Min Bahadur Bohora	Dhangadi	
48	Ujhalsing Bohora	Sandipani	
49	Harikala Tamata	Sandipani-7	
50	Kalusingh Bohora	Sandipani-7	

## Section- 2

### Climate Change and Vulnerability Assessment Orientation-Kanchanpur and kailali district-

**Introduction-** YAC Nepal has been organized total of 5 days training (2 days in kailali and 3 days in kanchanpur) on climate change and vulnerability assessment to the 37 representatives including 17 female from NGOs, NGONCC, CBOs and local club on dated 19-21 Kartick ( Nov 4-6) and 5-7 Margshir or 20-22 Nov 2012 in kanchanpur and kailali respectively under the program "Strengthening networking, awareness raising, and capacity strengthening, promoting adaptation technology in Far Western Development Region of Nepal on Climate Change". Of the total participants 14 members are from NGONCC member organizations and remaining 23 members were from new organizations. This training has been organized in collaboration with Nepal Environment Education Development Society (NEEDS) Kanchanpur and Center for integrated Society Development (CISD) Kailali. NEEDS and CISD has played key roles in communication, training hall arrangement and field work for vulnerability assessment. Priority has been given to the female, janajati, dalit and NGOs who are working at community level especially targeting to the disadvantaged community during selection of participants and NGOs for this training. The entire training is mainly guided by the following specific objectives-

#### Objective-

- Familiarize participants about the definition of Weather and climate change, difference between weather and climate change.
- Familiarize participants with some key terminology related to climate change.
- Familiarize participants about the Green House Gases, science and region of happening climate change.
- Familiarize participants about the source of GHG, how and in which area these gases do effects.
- Share some information of global warming, and some indicators/fact of climate change of Nepal.
- Familiarize participants about the Nationl and international initiations/policies on climate change including NAA and LAPA.
- Familiarize Participants about vulnerability, tools, process and its importance.
- Field practices on Vulnerability assessment in Gobaria, and Bhasi community-Kanchanpur.

**Training methodology/ process-** In order to make the training more practical, informal, and participatory, focus has been given to involve all the participants in the discussion. Individual experience, observations, and knowledge have been shared among the participants. Questionnaire, group work, planery discussion and presentation of fact and findings with example has been practiced during training facilitation.



Facilitator Collection View of Participants Kailali

**Summary of Training-** The summary of three days training is described as follows-

### **Day-1**

The training session has been started with well-come and introduction among the participants. This session is followed by collection of expectation of the participants which has been compared with the set objective of the training. Norms setting also exercised to manage the training effectively. The training session has been started to make participants known about the key terminology related to climate Change issues. This session has helped to make participants warm up and curious to learn about the climate change issues.

During the course of first day session discussion has been made on meaning of climate change, since of climate change, green houses gases, effect of green house, global warming, and sources of effect of climate change area of effect due to climate change hazards. In order to know the understanding on climate change and weather the participants were asked to define climate change and weather using rolling ball method. It is observed that majority of participants found aware about the meaning of weather and Climate change. Some local examples and observations of climate changes such as shifting rainfall pattern, occurrence early fogs, shortened the duration rain fall, early flowering of LALI GURASH etc has been shared among the participants to be more clear about the climate change. Following this session science and reason of happening climate change has been discussed with asking question on this issue. The participants found unaware about since of happening climate change. Some of the participants answered that it is due to the emission of Carbon. In this discussion facilitators ha explained about the science of climate change by sowing the picture in the overhead and also made participants clear about green house gases and also shared the example of plastic house effect to keep the environment warm inside the plastic house which helped to be clear about the global warming.

Following this session group work has been exercised into 3 group Groups both in kailali and kanchanpur. Each group has assigned to list out the sources or reason of happening climate change and the area of effect of climate change. Plenary presentation of the group work has been done in the floor. This session has realized to participants that climate change is more of manmade rather than natural. At the end of the discussion, the facilitator has presented slide on sources of climate change and area of it's effect. It has been cleared from the presentation that approximately 26% carbon emission is due to energy supply as thermal plant while in Nepal such sources are negligible. This session makes clear that Developed country are more responsible for emission of carbon at greater amount where as under developed country like Nepal, Bangladesh, Maldips etc are most suffering from the effect of climate change hazards. While such under developed or developing countries produced carbon at very negligible amount. In his regards the developed countries has to be paid to the developing countries as a penalty and also support to the countries to implement international commitment for building capacity of vulnerable communities of developing countries to promote mitigation and adaptation technology.

**Photo of group work and planery presentation-**



**Suggestions and Comment on Training by Participants**

At the end of the day session, presented about the measures of addressing the impact of climate change. The participants have been made familiar about the National and international initiatives, policy and provision of addressing the impact of climate change through implementing mitigations and adaptation technology. During the course of this session some example of mitigation that has been implemented by participating NGOs has been shared. It has been found that participating NGOs has been implementing some activities related to climate change mitigation such as-Promotion of Carbon CHULO, Plantation, Organic farming, Gobar gas, micro-hydro, peltric set etc. During this session participants has shared some example of local adaptation technology as use of mulching, promotion of organic farming system, indigenous vegetable and crop variety etc.

## **Day-2**

Day two sessions has been started from review of the first day session. A participatory review method has been designed for this session. The participants has designed some questions and ask to participants to draw the question to each individual and ask question to the fellow of his in front fellow, in such a way every participants involve in the review of first day session.

In conjunction of this session, the facilitators have briefly shared about the mitigation and adaptation measures. During this session details of autonomous and planned adaptation measures has been discussed. At the same time they were made clear about NAPA and elated policy and provisions to implement the NAPA, its structure at local to National level. Similarly discussion has been organized on LAPA its process and steps. The participants has made clear about the ranked of 75 district in terms of climate change vulnerability, and also shared shortly about the LAPA of kailali district as government has prepared LAPA in 4 VDC and one municipality of Kailali district and this plan also initiated in Acham district.

Ad joining to this session, discussion each steps of LAPA such as Climate change sensitization, Climate vulnerability and adaptation assessment, Prioritization of adaptation options, Prioritization of adaptation options, Integrating LAPA into planning processes, Assessing progress of LAPA, its objectives and process has been discussed in details. After this discussion focus has been given to orient participants on the vulnerability assessments tools, objective and process of each tools in details with sowing the slide. By the end of this session preparation of field exercise has been discussed and made field plan for next day exercise at kanchanpur. The participants has made familiar about some key points that needs to keep in mind during field work such as building rapport, be respective, listen to voice of community, be at tentative for expectation rising, made clear on the objective of field work as it is only learning from community rather to teach to community.

## **Day-3-**

Review of the 2nd second session has been done among the participants by sharing the key learning of ist and 2nd day session. After this Representatives have shared

about the selected community for field exercise. Gobaria and Bhasi community has been selected for field work. Group work has been exercised for practicing different tools for vulnerability assessment during the process of designing the local adaptation Plan of action. For this purpose the participants were divided into three groups and assigned following task to each groups. The objective of this session is to make participants known about meaning of vulnerability assessment, why this assessment is done? And equip participants with the practical knowledge and skill to practices these tools in the community to analyze the effect of climate change related disaster, identify the vulnerable area and community, ability of community to resist the impact of climate change and to prepare local adaptation plan of action to promote climate change friendly adaptation practices.

Following tools and process were exercised during the field practices-

Time line

- Bar diagram-seasonal calendar
- Disaster Mapping
- Disaster prioritizing
- Effect on livelihood resources due to disaster
- Identification option for local adaptation

#### **Short over view of assessment is observed as follows-**

Time line shows that the occurrence of heavy flood, serious drought, thick and long duration of fogs is observed since last 8 year. It is observed by the exercise that the time period of rainfall has shifted to Bhadra to Ashwan. It is clearly observed that the pattern and time period has been changed, rain fall usually happened during last week of Bhadra, and 2nd week of Ashwan since last 7 year, and the amount of water is observed more out the time is shortened. It has very negative impact on agriculture. Due to late rainfall, paddy crop is badly affected from draught, and at the same time the standing crop is again loss due to heavy rain during Ashwan. It has also vegetative impact in the winter vegetable farming, as it hamper to vegetable seedling in the nursery.

According to the seasonal calendar it is observed that in Gobaria community they have shifted the paddy plantation time earlier in Chaitra and next they transplant the paddy during Sraban, as before 10 year paddy transplantation is done during Ashar only. Also they practiced mix cropping in winter crop as wheat+cow pea, and Maize+pea etc to minimize crop loss due to hail stone and draught.

As per the disaster mapping it is clearly observed that draught is the serious problem in the area, followed by inundation and flood, the fogs and hail stone is still not so serious problem in terms of crop loss.

The disaster mapping shows that both of the community as Gobaria and Suda greatly affected by the draught and flood as well. They approached to the local government for support to construct Dam, drainage and bio engineering work but still they can not get any support from the government. NEEDS -Kanchanpur is supporting to community for preparedness support to minimize the loss due to draught and flood as well.

Both of the community in support of trainees has find out some options such as fill up the gabion wire along the side of local stream, plantation along with the edge of stream, for addressing the effect of flood, approached to agriculture development office to find out the draught resistant crop variety, Use of Integrated pest management farming

system as a local adaptation technology. They also made commitment to raise this issue in the local level planning in support of local level NGOs. (see scanning copy for details of group exercises).

Similarly in Kailali training disaster mapping exercised of each 9 district of this region based on the experience of the participants and also Time line has been exercised to identified the key events due to of climate change since last 30 year of period. As of the exercise, the draught is serious and topmost, while flood is categorized 2nd serious, hail stone is 3rd, snowfall is 4rth and fogs is fall in 5th category in terms of its negetative impact on livelihood. The outcome of the Time line is summarized as below-

Year	Major events	District/region
2040	Flood in Mohana river-kailali, Folld in Jokbudha and affected 59 families-swept way the crop land	Kailali and Dadeldhura district
2042	Inundation Dhangadi Bajar	Kailali
2044	Heavy fogs in Tarai, and Flood and land slide in hilly district	All Tarai district and flood in Bajhang district
2049	Draught in hilly district	All 7 hill district
2050	Measured highest hot temperature in the tarai district.	Kailali and kanchanpur
2052	Measured heavy hail stone in hill region	7 hill district
2055	Flood in Budhiganga and lost the crop land	Bajura district
2056	Flood in Margshir-in Kailali, and measured heavy snow fall in hill district	Kailali and hill district
2057	Heavy flood in Seti river and swept the crop land. Long draught in winter and summer in far west	Bajhang
2058	Hail stone in Bajahng district and heavy draught loss the crop in remote VDC of Bajhang	Bajhang and Bajura
2061	Heavy snow fall Long draught in spring and summer season-	In all hill district
2062	Flood in Jokbudha and Sirsa VDC-and lossed 6 lives of one family and 94 hhs displaced from the area. The rainfall pattern and time significantly changed- observed heavy rainfall during last of Bhadra to 2nd week of ashwain.	Dadeldhura,  In far west region
2065	Outbreak of diahhorria. Draught in Tarai and hill area	Hill district and most significant in Acham
2066	Draught and untine rain fall	Far west region
2067	Out break of diahorria.	Kailali district
2068	Heavy rain fall and hail stone	Acham and Bajhang
2069	Bot break of insect (Phaugi Kira)-loss of paddy crop.	Kailali and kanchanpur district

After returning from the field work, each two groups has compile the outcome of the field exercise, and prepare Local adaptation Plan of action to address the climate change disaster with alternate adaptation measures. At the same time stakeholder analyses has been done related to the LAPA to seek resource and technical support to implement the plan. In case of kanchanpur district NEEDS Kanchanpur have made commitment to support to Bhasi and Gobaria community to incorporate this plan into local level planning process.

**Conclusion-** The training is remained successful to sensitize community to the participating NGO members. It has been realized that this issue is very important to civil society organizations who are very closely working with deprived community who are most vulnerable to the climate change impact. The participants have expressed that, climate change is one of the cross cutting issue for all kind of development program, as climate change has impact on all livelihood resources. Thus there is crucial role of civil society organization for main streaming climate change into development process.

**B).Name list- Kanchanpur CC orientation -2-4 Phalgun 2069 (Kartik-19-21-Kanchanpur (NOV-4-6)**

SN	Name of participants	Organization	Mobile No
1	Mohani Mahara	Mahila Mukti munch-Kanchanpur	9749510586
2	Bhagawati Thapa	Wonen Unity for Inclusive Development-kanchanpur	9848822037
3	Mina Bagale	Women and Child Protection Munch-kanchanpur	9848156663
4	Karna Bahadur Jagri	Committee of Social Imprvoment-Kanchanpur	9848745183
5	Surya Bahadur Chand	Kanchan Samaj-Kanchanpur	9801381241
6	Sunita Bhul	CLC Bal Pustkalya-Kanchanpur	9749509071
7	Suman Thapa	Srijansil Santi Samaj-Kanchanpur	9805792565
8	Maya Setthi	Women and Child development center-Kanchanpur	9848814885
9	Gita pandy	Shnhi Women Jagaran Center-kanchanpur	9749509801
10	Rita bagchan	Bidhylya Jagaran Management Committee-Kanchanpur	9806470711
11	Hari Singh Rawal	Sidhanath Community Forest UC-	9848756018
12	Subran Prasad Joshi	DipJoti Club-Kanchanpur	9848751088
13	Naru singh	NEEDS-kanchanpur	98487449017
14	Suresh Ram Luhar	Child wefare Club-Kanchanpur	9848731908
15	Jenesha Singh	NEEDS-Kanchanpur	9848744901
16	Chakra Bahadur Singh	Rural Development center-Doti	9811693046
17	Bishna Chand	HUSEC-Baitadi	9848730419

18	Tarak Tamata	NNDSWO-Kailali	9848455629
19	Durgha Bhatta pant	IDeS-Dadeldhura	9848776768
20	Suresh Kuwar	YAC-Nepal-(Training management support)	9848635666
21	Ramesh Bhattra	YAC Nepal-Point person-NGONCC Regional secretariat –(Facilitator)	9749006259
22	Bhaba Raj Regmi	NEEDS	98587501282
23	Dabal Bam	YAC Nepal-(Facilitator)	9848422337
24	Bal Bahadur Rokaya	YAC-Nepal	9848417816

### C-Name of participants Kailali-

SN	Name of participants	Organization	Mobile
1	Nirmala Joshi	CCS Dhangadi -5 Hasanpur	9848495621
2	Tilak Chaudary	BASE Kailali	9848467789
3	Gomati Bhatta	CISD-Nepal, Kailali	9749021138
4	Bir Bahadur Chaudary	Kamaya Partha .Unmulan samaj Kailali	9815668062
5	Mukesh BK	ADJUS Nepal kailali	9848539352
6	Jagat BK	DWO-Kailali	9848425548
7	Dhan Bdr rawal	YAC Nepal	9848689234
8	Keshar Bdr Rawal	WAC-Nepal Acham	9848428825
9	Madan BK	MiSS Bajura	9749034375
10	Shayam Sunar	RDN Kailali	9848628166
11	Mahesh Giri	YAC Nepal	9848463790
12	Raj Kumar Singh	NGO Federation Regional member	9848575252
13	Ratna Khadaka	Samaj Bikas Ma Gatisilata-kailali	9848634018
14	Tanka kala Bista	PRSDC Nepal Acham	9848565262
15	Pramila Chaudary	F.K.W.D.F-Kailali	9818588821
16	Yadav Pdr Bhandary	FECOFUN-Kailali	9749002987
17	Sasila Kumari Singh	Sukha Samaj Bikash Kendra-Bajhang	9848670231
18	Devi khanal	YAC-Nepal	9749002142
19	Sonu Singh	NGONCC- district Chapter Bajhang	9749021138
20	Dabal Bam	NGONCC-far west region	9848422337

### Section-3- **Experience Sharing Meeting with NGONCC Member (old and new)**

**Background-** YAC Nepal has been holding Secretariat of NGONCC far western region since 2009. Different awareness raising program in support of LI-BIRD, Pokhara, and Clean Energy –Kathamandu have been organized at district and community level in far west and also has participated in workshop and seminar related to climate change organized at regional and central level. In this connection YAC has organized two events of experience sharing meeting at Kailali and kanchanpur district on dated 8 Margshir and 22 Kartick with new and old NGONCC member adjoining with CC orientation program. In the kailali meeting total of 19 participants including 10 old member of NGONCC from Bajhang, Bajura, Acham and kailali were invited and participated where as in kanchanput district total of 20 participants of them 5 old member from Doti, Baitadi, Dadeldhura, kailali and kanchapur has participated in the experience sharing meeting. Both meetings is guided by the following key objectives-

#### **Objective of meeting-**

- Familiar participants about the draft guideline of NGONCC and update about the status of NGONCC far west region.
- Sharing experiences and activities related to climate change issue carried out by old member of NGONCC.
- Preparation of simple profile of new member and collection of commitment.

Sharing about the background history of NGONCC far west region and its initiation in relation of Climate change issue as follows-

- NGONCC first established in 2007 at National level as name NGO group of climate change, as a loose advocacy forum.
- Later the name of the forum changed and known as NGO Network Climate Change since 2011.
- NGONCC farwest secretariat established in 2010 in Kailali with support of LI-BIRD Pokhara, and YAC Nepal has been holding secretariat of the same since then.
- Briefly shared about the working guideline of NGONCC it's vision, mission, goal, objectives, guiding principle, responsibility of NGONCC member.
- Shortly described about it's structure and provision on core group, Central level secretariat, Regional level secretary, and member organizations.

A separate discussion has been carried out with the participating member about the initiation and efforts of far west NGONCC secretariat as follows.

- Organized regional level workshop with 40 participants at kailali in 2010 in collaboration of LIBIRD Pokhara.
- Carried out awareness program on Climate change to 260 members from government and non government organizations in 7 district of far west region.
- Initiated Group of NGO on Climate Change in 7 district.
- Organized 5 days training in collaboration with LIBIRD Pokhara on climate change and vulnerability assessment to 25 represents of NGONCC (point person) of far and mid west region.

- Regional secretariat member has participated in different workshop and seminar organized at regional and central level.
- Organized 2 event of interaction with government agencies in coolaboration of DDC kailali.
- Organize climate change adaptation measures to Raji and Kumal community and incorporate the CC in VDC planning process in Bhajani and Khailad VDC.
- Carry out plantation of jatropa and Bamaboo saplings in Sandipani VDC-Lathuwa in collaboration with **Bio diversity Promotion Cooperative** in the river bank area.
- Support to Muktakamaya of dhanchaury to carry out Bagar vegetable farming aiming to promote local level adaptation measures.
- Carried out mapping of climate change scenario of kailali district in support of Green energy-Nepal and shared with district stakeholders.

During the meeting experiences some of the participants has also shared about their initiations on climate change issue. Brief about their sharing is as follows-

**Sonu singh-** Sukha Samaj has organized orientation about Climate change to 30 participants from government and non government organization on 2012. Similarly an interaction workshop also organized with government organizations (DADO,DFO, LSDO, DPHO) in coordination with DDC Bajhang to incorporate CC on government policy and program.

**Bishna chand-** HuSIC Baitadi organized World environment day in collaboration with DFO Baitadi and display play card mentioning slogan about climate change.

**Lab Bahadur Chaudary-**BASE kailali has supported to community and prepared disaster preparedness plan and carried out bio engineering work to protect land cutting from flood.

**Dandi Raj Subedi-** FECOFUN Kailali implanting climate change activities under Hario Ban program, supported community to develop and implement CAPA. He also shared about the step and process of CAPA.

**Jagdish Rana-** Muktakamaya Uthan SamajKailali shared that they are supporting community of their working VDC for plantation and installation of Gobar gas.

The participants has shared their experiences and observation about the effect of climate change in their respective district. The key observation as expressed by participants of both meeting is as follows-

- Monsoon is tends to start late and the nature of perception is unpredected
- The temperature is in increasing trends.
- Happening of fog is early and very thick
- Natural disaster is increased
- Degree of flood is also found increased.
- Happening of long draught
- The flowering of Lalgurash and peach is seen early
- Dry up of sources water in Tarai and mountain area.
- Outbreak of many new diseases, and since long time there is infestation of Army worm in kailali and kanchanpur.

During meeting activity plan on CC has been prepared in consultation of participating member needs to be carried out by NGONCC secretariat at regional and district level. The plan is as follows-

**Type of Activities-**

- Carried out mapping of climate change scenario in all district
- Support to community for preparation and implementation of CAPA
- Establish effective communication and learning sharing among NGONCC member.
- Awareness rising on climate change and advocacy program for effective implementation of LAPA policy an provision.
- Organize learning sharing meeting and interaction in each district at least twice a year.

At the end of meeting simple profile of trainee and their commitment has been exercised which is as follows.

**Meeting of NGONCC member-Kanchanpur (NOV-7)**

**Name of Organization-** NNDSWO District Chapter Kailali

Nepal National Dalit Society Welfare organization-District Chapter Kailali

Email-nndswokli@yahoo.com

Point person: tarak.tamrakar@yahoo.com

Working Area- Far west region

Key Intervention- Human Right, dalit Right, Food security, DWSS, Scholarship etc

Name of CC point person- Suresh BK/Tarak Tamata- 9848455629

Phone No.-091-52966

**Commitment:** - Orient on climate change to staff, Household waste management in own house, Orient community on CC during facilitating other program in the community.

**2. Name of Organization-** District Child Network, Kanchanpur

Email-Non

Point person: Suresh Ram Luhar

Working Area-Kanchanpur district

Key Intervention- Women and child right, Advocacy on child right, Discourage child marriage, child sex-through organizing awareness program, Sadak Natak, Rally etc.

Name of trainee- Suresh Ram Luhar

Phone No.NA

Mobile-9848731908

Email- [sureshrl/34@yahoo.com](mailto:sureshrl/34@yahoo.com), maya bhatta-9848719439.

**Commitment-** Orient to member of my club on climate change,

**3.Name of Organization-** Integrated Development Society-dadeldhura

Email- NA

Phone- 096-420399, 420179, Fax- 096-420179

Point person- Durga Bhatta pantha (9848776768)

Working Area- District coverage

Key Intervention- Climate change, DWSS, IGA, Sml irrigation and micro hydro, Food Security, WASH, Natural Disaster, etc.

**Commitment-** Share learning of this training during Staff meeting.

**4. Name of Organization-** Woman and child protection Forum-kanchanpur

Email-NA

Point person-Mina Bagali (9848756663

Working Area- Kanchanpur district

**Commitment-** Share about CC with member of organization.

**5. Name of Organization-** Gramin Bikash Kendra Nepal, Doti

Email-NA

Point person: Chakra Bahadur Singh

Working Area- 50 VDCs of Doti District and one Municipality

Key Intervention- Awareness program, Carban Chulo

Name of trainee- Chakra Bahadur singh

Mobile-9811693046

**Commitment-** Share about the climate change issue with my community.

**6. Name of Organization-** Sirjansil Santi Samaj-Kanchanpur Badaipur

Email- NA

Point person; Suman Thapa/9805792565

Working Area-Kanchanpur wadr no-13-badaipur

Key Intervention-Skill development activities for women, as beauty Parlor, sewing, Environment related awareness etc.

**Commitment:** Share learning of this training with member of my organization.

**7. Name of Organization-** Women Child Development Center (WCDC) Bhdatttha Nagar Kanchanpur anaki tole-18

Email-NA

Point person- Maya Setthi

Phone No- 9848814885

Working Area- Kanchanpur district

Key Intervention-Skill developmet training-6 month, Road Drama, Awareness on household violation etc

**Commitment:** Share on CC with the member of organization.

**8. Name of Organization-** Bhimdattha Child Library –Community Literacy Center.

Email-NA

Point person; Sunita Bhul

Working Area- Bhimdattha Municipality ward no. 4, Near by Hotel Opera

Phone No. 9749509071, 9848858521

Key Intervention; Formation of Saving and credit group, Livelihood training-training on mushrum cultivation, Sanitation campaign, Awareness campaign on Child right and environment protection.

**Commitment:** Share the knowledge on CC, Introduce CC of organizational program.

**9. Name of Organization-** NEEDS Kanchanpur

Email-NA

Point person: Jenisha Singh

Mobile: 9848744901

**Email- jenishasingh21@hotmail.com**

Working Area-Kanchanpur and kailali District

Key Intervention- Urban Disaster reduction, HIV/AIDS, Disaster management and reduction

**Committeemen:** - Incorporate CC on the organizational level activities

10-Name of Organization: Disaster Management Committee (supported by NEEDS-kanchanpur)

Point person- Rita Bagchan

Mobile- 9806470711

11. **Name of Organization-** Mahila Mukti Munch Bhimdattha Municipality-7

Point person; Mohani Mahara Mobile- 9749510586

Working Area- Bhimdattha Muicipality

Key Intervention- Support to human right violated women, and awareness program on women right

**Commitment:** Sare learnig on CC with other member.

12.**Name of Organization-** Human Right SocialService center- (HUSIC\_Baitadi) Gothalapani

Email-husic2007@yahoo.com, Ph.no.-095-520268

Working Area- Baitadi district

Key Intervention-Human Right, Skill development training to hr violated and family of HR violated member.

Name of trainee- Bishna Chand (9848730419)

13. **Name of Organization-** Snhi Mahila Jagaran Kendra (SMJK)

Working Area- Bhimdattha Municipality-4 Gobaria

Key Intervention-Skill development training, Sanitation, Safe motherhood etc.

Name of trainee- Gita pandi

Mobile-9749509801

**Commitment:** Advocate to allocate budget in CC from DDC and Municipality

14. **Name of Organization-** Women Unity for Inclusive Development

Email-l-bhagwati@yahoo.com

Point person: Bhagawati Thapa

Working Area- Kanchanpur District

Key Intervention- Wome empowerment

**Commitment:** Share information on CC with school student and society.

15. **Name of Organization-**Dipjoti Club

Address- Haldukhal ward no-7

Key intervention- Health campaign, and organize different games

Name of Trainee- Subran Prasad Joshi

Mobile- 9848751088

**Commitment-** Advocate on CC at Ward level meeting, and organize campaign on climate change at ward level.

16. **Nama of Organization-** Kanchan Samaj

Address- Bhimdattha Municipality-ward No. 6 Aithapur

Intervention- Sanitation, Blood donation, Plantation, Skill development training.

Name of trainee- Sury Bahadur Chand

Mobile- 9801381141, 9741092112

**COMMITMENT-** Organize campaign in the community, and plantation.

17. **Name of Organization-** Sidha Community Forestry Group

Address- Haldhukha-7

Intervention- Plantation, River training, and awareness rising.

Name of Trainee- Hari Singh Rawwal

Mobile-9848756018

**Commitment-** Share CC issue with Users committee.

**18. Nama of organization-** Samaj Sudhar samti- daiji-1

Working Area- Daighi area

Intervention- Skill development training, Control of gambling and alkoha, IGA etc

Name of Trainee- Karna Bahadur Jagri

Mobile- 9848724265

**Commitment-** Organize orientation on CC and local adaptation practices in my community.

Meeting Of NGONCC member -Kailali (23 November)

SN	Name of Organization	Email	Mobili/PH. No.	Trainees	Intervention	Commitment
1	Federation of Community Forest Users group-Kailali Dhangadi Municipality- 1, Niana devi road		091-520586	Dandi Raj Subedi	Advocacy on community forest, REED related activities- climate change, Environment education, support on preparation of forest constitution, and management plan, plantation.	Awareness program on Climate change, Fire control, and plantation
2	Malika Integrated Social service- Martadi Bajura (Tulasi ram rokaya-key person Email trrbajura@gmail.com, 9749021454	missbajura@gmail.com Bkmadan25@gmail.com	097-541178	Madan BK- 9749034375	On farm economic activities, skill development program etc.	Organize awareness on CC in 27 VDC of Bajura and broad cast message on CC through FM, and local news paper
3	Adjust Nepal- Dhangadi	G4press mukesh1@gmail.com		Mukesh BK- 9848539352	NA	NA
4	Kamaya Partha Unmulan Samaj- Kailali Working area- Hasulia, Jishipur, Shripur,	freedkamaiyakpus@libe.com	091-523756	Jagagidsh Rana – jedyraj@yahoo.com,	Empowerment, Advocacy, IGA for livelihood, organizational development.	Plantation at least 5 trees in each hhs of 600hhs, Encourage

	Urma, Gadaria, Mansuria, Sndipani, Darakh, Bhajani, Chuwa, Patharai, Chaumala			9848444 090		community for install Bio-gass plant, Awareness raising on local adaptation technology.
5	Backward society-dhangadi-2 Benaik Tole Key person-Lal bahadur chaudhari	kailalibase@wlink.com	091-524313.52 4788		Disaster reduction. School education improvement, Youth saving fund, Kamlarhi alleviation program, Freed Kamaiya development program.	Integrated CC with disaster reduction project activities.
6	PRSDC-Nepal-Acham district	097-620032	NA	NA	Demand driven activities	Share learning with organization member.
7	Freed kamaiya Women development Forum-kailali-Tikapur, Thapapur, Manua, sakti nagar, phulbari, gadaria, Bausauti	091-527402	, Kausila chaudhari-	Pramila chaudhari-9818588 821	Kamlrhi freedom movement,	Share learning of CC with organization member
8	National dalt network-Kailali-far west region	rdnnepal@gmail.com	Shyam Sunar-984862816 6		RBA related activities	Create awareness at community level.
9	DIDS –Samaj Bikas Ma Gatisilata-Dhangadi-4 uttar behidi	DIDS_kailali@gmail.com, 091-523585	Dev Bdr dhami-		VDC profile, different awareness related training,	Organize awareness rising campaign.
10	Creation of Creative Society-Hasanpur, municipality-5-				Manab Bechbekhan control, Social	Awareness rising on CC at community level.

					accountability, Local development and community development, Child right.	Mainstreaming CC in other project activities.
11	WACK Nepal-acham, working area-kailali and acham	097-625032, Wacnepa l09@gmail.com,		KB Rawal-Rawalkb 2012@gmail.com	Agriculture, health, social mobilization, physical infrastructure	Integrated CC in all project activities.
12	Forum of Community Development for education development-Kailali, Taranagar	091-520944, sagarmat hasnc@gmail.com		Rajkumar singh, 9848575 252	Awareness rising program – khailad, Bhajani, lalbojhi, VDC	Organize vulnerability assessment in one of the working VDC
13	Dali Sewa Sangh-Kailali	Dwo_kailali2000@yahoo.com,		Jagat BK-9848425 548	Awareness building activities	Solidarity on CC campaign
14	YAC Nepal	yacnepal@yahoo.com		Dhan bahadur Rawal	RTF, CC, LGCDP, DWSS	Share CC scenario of kailali district in different forum
15	YAC Nepal-Working area-Far west region	yacnepal@yahoo.com		Mahesh Giri	RTF, CC, LGCDP, DWSS	Participate in CC activities organized by YAC-Nepal

Following participants of Kailal meeting has showed their commitment to carry out following initiation in their district under the on going project-

**1. FEFOFUN-Kailali-**

- Organize awareness on climate change to the member of CFUGs.
- Fire control.
- Plantation along with Karnali Chipani area

**2. WAC and PRDCC Acham**

- Solid waste management in two VDC
- Carried out Plantation
- Advocacy related to Climate change to allocate budget in agriculture

**3. MISS-Bajura-**

- Organize interaction to NGO member in Bajura

- Release information about climate change in local news paper.
- 4. **Sukha Samaj and Saipal Development Samaj Bajhang.**
  - Extend membership of NGONCC involving government officials
  - Organize orientation to VDC secretary in 6 LGCDP programming area
  - Bambo plantation for land slide management.
- 5. **CCS Kailali-**
  - Organize CC orientation to the 5 farmers group in the working VDC and share the learning of this training with staff.
- 6. **RDN-Kailali**
  - Organize orientation to new staff member
  - Incorporate CC with ongoing program especially training and meeting.
- 7. **KPUS-Kailali**
  - Plantation 5 trees (at least 600 hhs) by each hhs of Gadaria VDC
  - Motivate community/families for enstallation of improved CHULO
  - Motive at least 150hh for use of bio-fertilizer.
- 8. **DWO-kailali**
  - Oriented community of 2 VDC for use of Bio-fertilizer
- 9. **BASE Kailali**
  - Organize community for construction of pit latrine and waste management
  - Plantation and river training applying bio-engoneering
  - Support ot VDC for preparation of Disaster Management plan –(Lalbojhi nd Thapapur VDC)

#### **Section-4- Public Awareness and climate change knowledge sharing with different stakeholders including students, journalist, farmers group, and intellectuals.**

Under this component 2 event of public awareness program in coordination with DDC kailali, and one event of sharing of CC scenario of Kailali district 24 October has been organized on dated 29 August and 9 December (24 Margshir) and 10 October 2012. Short description of each event is as follows;

##### **a). Public Awareness program on climate Change-**

YAC Nepal has organized a meeting with related government and non government organizations in the DDC meeting hall in chairmanship of LDO Kailali on 19th August aiming to share climate change program and seeking their collaborative support in this area. The meeting has decided to organize a public awareness program at field and also carry out the plantation in the fallow community land the catchment area of Dodha stream. For this purpose the Bio-diversity Promotion Cooperative and YAC Nepal has coordinated the Community of Sandipani VDC ward no-7 Lathuwa , (which is situated downstream of Churi range at the bank of Dodha stream) and decided to organize this events in Sandipani VDC on 29th August 2012.

Details of program- As per the decision of District level meeting, YAC Nepal has organized the public awareness program jointly with Bio-diversity promotion Cooperative-Dhangadi, and Environment Conservation committee of Lathuwa Community-sandipani VDC dated on 29th August. The local Environment Conservation

Committee has played lead role to organize this events at local level. The committee has coordinate with school management committee and teachers of Bhabraib Secondary school, VDC secretary, local level service providers, Forestry users group, and illaka security post to make their participation in this awareness campaign. Similarly YAC-Nepal and Biodiversity promotion Cooperative has coordinate with District Development Committee, District forest office, Kailali multiple campus-dhangadi, District Soil conservation office, District Water made disaster management office, FECOFUN, District NGONCC member, District Agriculture Development office, and media for their collaboration and participation in this awareness program.

Approximately more than 300 community people of whom majority were women, school students, teachers, representatives from local level organizations/institution as school, campus, Forest user's Group, local level service providers, illaka policy office, VDC secretary, DDO, planning officer, chief of energy unit-DDC-kailali, Campus Chief of kailali Multiple campus, representatives from DADO, Soil conversion office, Water made Management office, member of NGONCC, and media person from district head quarter has been actively predicated in the program. The program is guided by the following objectives.

#### **Objective-**

- Create awareness at mass level about the impact of climate change in the livelihood of rural poor, and promotion of local means of adaption (conservation practices) to save our livelihood from climate change vulnerability.
- Carry out plantation in the fallow and degraded land along the bank of Doda stream

Summary of Awareness campaign- The mass level awareness program is organized on the chairmanship of Mr. Nab Raj Ure chairperson of Environment conservation committee, and Local Development officer held the position of Special guest. The master of ceremony is facilitated by secretary of the Conservation committee. The program is started with the Rasthya Gan (National Song) sung by 5 girls student, followed by a welcome song and dance by 5 girls which was very innovative and attractive. The song was as –"GARIBI LE PICHADIEKO HARMO GOAN, HATIMALO

GARDAI JAU BIKASH  
GARNA LAI,  
SWAGAT CHA,  
SWAGAT CHA NAYA  
AVAYAN LAUNI LAI".

Mrs. Rama Acharya  
Treasure of  
Conservation  
committee has offered  
the welcome speech  
and also expressed  
her views and  
experience about the  
effect of climate  
change. She also



expressed that, the temperature and rainfall pattern is obviously changed as before as a result there is long drought, and at the same time the period of rainfall is shifting and increasing the pattern of heavy rainfall causes flood and landslide since last 5 to 6 year. She aggressively, expressed that only organizing meeting in KALA ATHAR and Star hotel is not sufficient to address the problem faced by the people like us due to impact of climate change. It is rather important to create awareness climate change issue and adaptation measures at grass root level and work together to practice the environment friendly adaptation practices suitable to the local capacity and resources.

In the mass meeting Mr Bal Bahadur Rokaya-Chair person of YAC-Nepal and member of NGONCC-Mr. Denish Chandra Joshi have briefly shared about the difference of weather and climate change, reason of climate change and visible effect of climate change as long drought, increase in temperature, land slide, flood and change in the flowering and fruiting of vegetation, and cultivated crops, and also shared about the importance of plantation for the mitigation of carbon emission, and control of soil erosion. Similarly Mr. Surendra Chand-Campus Chief has put his focus about the role of youth and student on building awareness of community people on environment conservation and climate change issue. He also focused on traditional practices of cultivation as organic farming, use of local crop variety which can resist draught can be helpful for addressing effect of climate change.

The Local development officer Mr. Gokarn Sharma briefly shared about the government policy on climate Change, as DDC Kailali has designed LAPA for 4 VDCs (Lalbojhi, Bhajani, Naryanpur, Dhansinghpur) and one municipality- (Tikapur) most vulnerable area of Kailali district. He also appreciated the community effort for



organizing this mass meeting and plantation program by inviting district authorities here in this remote cluster, and also made some commitment to support to the community initiation from government side. Community has raised different issues related social and natural disaster as the community has been facing in the recent year and also draw the attention of LDO to intervene program from different non-government and government organization in this remote community. In response of the community demands LDO has made commitment to share the problem regarding security with CDO and also suggest to community for claiming their demands to the related agencies through local level planning process. The chair person of conservation committee demanded with YAC-nepal and DDC for organizing orientation on climate change to representatives of conservation committee, representatives from farmers group and organizes one session to the student of grade 7 and 8.

By the end of this talk/speech program all participants have planted seedlings of different tree species such as Bamboo, Jatropha, Bakaino etc in the fallow community

land nearby School, the bank of Doda stream. Local Development officer has started the plantation and all participants work together about 45 minutes for plantation the seedlings. A total of 650 plant planted at the movement, and community kept continue to plant seedling in about 50 ha of land around downstream of Churi hill.

**Name of the Government and non government organization participated in the public awareness program-**

- District Development committee- Local development officer, Program officer, In charge of District Energy section.
- District Soil Conservation-Office- Chief of Office
- District water Inundation office- representative
- District Agriculture Office- Agronomist
- District Forest Office- Ranger
- Media person
- Kailali Multiple Campus- Campus chief
- Federation of Community Forest User Committee
- NGONCC net work member-5
- YAC Nepal-3
- Bio-diversity Promotion Cooperative-3
- VDC secretary-Sandipani VDC
- Illaka police office- Inspector.

**b). Organize sharing workshop on Climate change issue and scenario of Climate change in Kailali district-**

YAC Nepal has carried out the climate change scenario of climate change of kailali district and organized the interaction workshop with 34 participants from government, non government organization and Media on dated 10 October in Sathi Hotel kailali. The objective of this interaction is sharing outcome of the climate change mapping, and make participants aware about the National, International and local policy provision on climate change issue.

Mr. Dirgha Joshi EC member of YAC Nepal has played the role of master of Ceremony who also welcomed to the participants and made clear on the objective of the workshop. Mr. Dhan Bahadur Rawal secretary of YAC Nepal has shared about the outcome of Climate change mapping of kaiali district. During his presentation he shared the information about district geography, population and over view of Climate change situation of the district. He shortly shared data information about the climate change disaster (flood, rainfall, land slide, draught, disease etc) and its effect of last 30 year, and also shared the information about the possible effect that can be happened in future. In addition he shared about the efforts and initiations to address the impact of climate change from different government and non government organizations in kailali district.

Following this session, Mr. Sunil Acharya has shared about the National, and local policy provision on climate change issue. He facilitated about NAPA and LAPA policy its implementation status and the role of media, civil society organization in relation to build

awareness on climate change issue and their advocacy role to make National and international agencies responsible towards their obligation to execute their commitments to address the climate change impact especially in the developing countries as Nepal. He made clear about objective of NAPA such as-

- Objective of NAPA is- assessment of vulnerability, prioritization of CC disaster, and identification of adaptation option,
- Prepare proposal to carry out the prioritized activities or option/measures
- Develop NAPA Document, its review and finalize the documents
- Knowledge management, and develop a forum for learning sharing
- Develop frame work for multiple stakeholders who work on Climate Change.

Finally he shared about the flowchart/steps and process of designing NAPA and also he briefly shared about some key challenge in implementation of LAPA/NAPA as there is question on working process (population is given priority rather than degree of disaster), unclarity on NAPA framework, unclarity to access fund by implementer organization, and attitude of some donor agency to flow fund out of commitment of convention frame work etc.

Media has covered this news in local FM and news paper. The workshop is being very interesting to all because the workshop able to flow information on climate change scenario of kailali district first time it draw the attention of all participants to think about their role on creating awareness to minimize the possible threat of CC impact in future.

#### **List of the participants of the workshop-**

SN	Name of the participants	Organization
1	Mahendra Prasad Badu	Water Made disaster management Office-kailal
2	Dhanapati Dgungel	FAYA-Nepal
3	Khagendra Sharma-DADO	ADO Kailali
3	Min bahadur Thapa	DLSO-kaiali
4	Hemkarna BK	NGO Federation
5	Parsunarayan Chaudary	WUSC-Shiva nagar
6	Manoj Badu	Rastrya Sandrav Daily
7	Tej Naraya Bhatta	Dhangadi Post Daily
8	Raj Bdr Air	FECOFUN
9	Mahesh Joshi	Luthran World Federation
10	Gobinda Raj Joshi	Agri. Dev. bank
11	Shyam Sapkota	Akhil Krintikari
12	Ser Bdr rawal	NPC-Maoist
13	Kiran paudel	NNDWSWO
14	Rajendra Raika	RDN-Nepal
15	Dambar Giri	Namaste Nepal
16	Dev Raj Joshi	Anumodan Daily
17	Bhuwan Chandra Shrestha	DWSDO
18	Hark Bahadur Dharmi	Surma Sypal Cooperative
19	Shiva Raj Chaudhary	Himal Ap

20	Kalpana Bohara	Himal Api
21	Amrita Chaudhary	Pasham Today
22	Asmita Saha	Pasham today-FM
23	Prabhati Bista	Pasham today-FM
24	Surendra Chand	Kailali Campus
25	Amir Khati	Biodiversity promotion cooperative
26	Padm Singh Kuwar	Panchodaya Upper secondary School
27	Jit Bdr Chaudary	LBF
28	Hari Thapa	LBF
29	Narendra Timilshina	United NCP-Maiost
30	Ramesh Bhattra	SSTWSSSP
31	Hirdhya Pujara	Phulbari Multipurpose Campus
32	Prem Chaudary	Pahura Daily
33	Sita Ram Ojha	Denesh FM
34	Suraj Kuwar	YAC-Nepal
35	Sunil Achrya	Clean Energy-Nepal
36	Bal Bahadur Rokaya	YAC Nepal
37	Dirgha Raj Joshi	YAC Nepal
38	Dhan Bdr Rawal	YAC Nepal
39	Kaji Ram	YAC Nepal
40	Devi Khanal	YAC Nepal
41	Dil Bahadur Khati	Surma Samaj
42	Sanjhya Jha	Napi-office
43	Prem Bam	SSTWSSSP-Shiva Nagar

**c). Mass Awareness on Climate change-** YAC Nepal has coordinate with DDC- Alternative energy section kailali and Chamber of comers kailali to keep Stall on trade festival of Dgangadi which was organized from 22 Margisher to 2 Poush 2069. During this occasion information on climate change issues has been disseminated through maiking, distributing pamphlets, and displaying the booklets on climate change issue, importance of plantation, conservation of bio-diversity, and promotion of Gobar gas. The program has continued for 5 days.

**Section 5- Strengthen the climate change information sharing to reach a wider range of audience-** Under this section two activities has been carried out aiming to share about the climate change issue, and its impact on developing countries. The description of the activities is summarized as follows-

**a). Information sharing workshop and climate change campaign-** YAC Nepal has organized an interaction/information sharing workshop on 14 October 2012 in collaboration with Bio-diversity Promotion Cooperatives to the 20 participants from 9 district of Far West regions of them 8 from Bio diversity promotion Cooperative and one from Kailali Multiple campus. Bio-diversity promotion cooperative is supporting to the farmers group of this region for the protection of environment through promotion of bio-diversity. In this connection this workshop has been organized to leaders of farmers group, seed grower/seed entrepreneur, member of CFUGs and member of cooperatives

to make them aware about the impact of climate change on biodiversity and environment. The workshop is mainly guided by following specific objectives-

- Upgrade knowledge on climate change and global warming.
- Sharing on climate change disaster, its effect, and measures to address the effect of climate change.
- Sharing knowledge and local level adaptation practices.

The workshop is started by the welcome speech by Campus chief, who also briefly shared about the objective of workshop. Mr. Bhanu Jaishi has facilitated the introductory session and also collected the expectation of participants.

Following this session, Dabal Bam has shared about the content of the workshop. The workshop is next session is started from group work to define climate change and weather, what are the visible climate change disaster are observed in the recent year, and what are the effect of such disaster in this region. The group has presented their group outcome in the plenary as follows.

As they defined that-Weather is change in the day, or seasonal environment such as sometimes it is sunny, sometimes it is cloudy, foggy, some time it is rain, hot and cold, and difference in the air movement, while the climate change is the change in the nature, tendency, and amount of hot, rain, drought, and air movement that has been observed since long time period as at least of 30 year.

The participants has listed out the climate change disaster and its effect in different area in the farwest region as of their experience which are as follows- Heavy rainfall during last week of Bhadra till to second week of Ashwin since last 8 year, long drought, land slide in hilly district, and heavy flood in terai district, thick fuge, late monsoon and late snow fall, increases the outbreak of diseases as Dango, viral fever in Tarai, and diarrhea in mountain, infestation of mosquito in mountain district, and disappear of many local vegetable species, as in hill district now it is difficult to get local pumpkin, cucumber, snake guard etc as before these are found sufficiently.

After group presentation, facilitator has briefly shared on slide about the definition of Climate change and weather, reason and since of climate change with illustrates the picture on the slide, described about the GHS and its effective on being the global warming. It is Shared the information fact on global warming and the amount of GHS emission from different countries. At the same time discussion has made about the sources of climate change such as agricultural activities, waste management, forest degradation, industries, energy supply, infrastructure activities, means of engine transportation etc are key factors for HGS emission.

By the end of session shortly shared about mitigation and adaptation concept and measures to address the climate change effect. The National and local policy provision such as NAPA, and LAPA has also shared with the participants. Some of the example of local adaptation measure has been shared and some local experiences such as organic farming, mix cropping, rain water harvest, bio-engineering are the common

practices as community are adopting in their locality to minimize the climate change impact. It has been concluded and participants have realized that it is very important that promotion and protection of bio-diversity is one of the important measures that minimize the climate change effect. It is also realized that there is need to identify and promote some indigenous adaptation measures to minimize the adverse effect of climate change and also needs to aware community on this emerging issues. Some of the commitment has been drawn from the participants as mentioned below;

- Introduce zinger, and turmeric as a intercrop in the plantation area especially in hill district.
- Plantation of Bamboo and Jatropha in the land slide are and along the river side both in hill and terai area.
- Introduce Asparagus as an inter crop in plantation area in Tarai.
- Promote and preserve the local crop and vegetable species both in Tarai and hill district.

#### **List of participant.**

SN	Name of participants	Address
1	Amir Khati-Chairperson	Bio diversity promotion Cooperative kailali
2	Surendra Chand-Campus chief	Kailali Multiple Campus
3	Bhanu Dev jaishi-Secretary	Bio diversity promotion Cooperative kailali
4	Dev Raj Pathak	Bio diversity promotion Cooperative kailali
5	Harilal Bhattra	Bio diversity promotion Cooperative kailali
6	Bhun Chand	Bio diversity promotion Cooperative kailali
7	Bindu Chand	Bio diversity promotion Cooperative kailali
8	Jagat Bam	Bio diversity promotion Cooperative kailali
9	Laxmandatta Bhatta	Bio diversity promotion Cooperative kailali
10	Nain Sing karki-	Baitadi -seed depot entrepreneur
11	Khima Nanda Bhatta	Dadeldhura- seed depot entrepreneur
12	Arjun Bista	Bajhang- seed depot entrepreneur
13	Harisingh Khattrai	Darchulla- seed depot entrepreneur
14	Moha Bahadur Bogati	Doti- seed depot entrepreneur
15	Bir Bahadur Kuwar	Acham- seed depot entrepreneur
16	Ram Bishan Chaudhary	Kailali- farmer
17	Dev bahadur Khati	Center for integrated Development -Kailali
18	D.B. Lopchan	Kanchanpur-CFUGs
19	Radha Chaudary	Kanchanpur-CFUG
20	Dhan Bahadur Saund	Bajura-Leader farmer.

**b). Climate Change sharing with Student and field observation-** As of the request of school management committee of Bhairab Secondary school Sandipani, an orientation has been organized to the student of 8 and 9<sup>th</sup> grade together in presence of school teacher and member of school management committee on dated 10<sup>th</sup> December on the occasion of Human Rights day and organized field observation to Ghodghodi Tal to

know the importance of Wetland conservation in terms of promotion and management of bio-diversity. For this purpose YAC- Nepal has coordinate with school teacher and management committee for the management of time for organizing the orientation and field visit. In the morning session brief orientation about the Climate change issue including science of climate change, global warming, Green house gases, climate change disaster, and its effect on nature and livelihood has been planned and in the afternoon session field observation with organizing rally around the community saying save the Nature to save living beings from the adverse effect of Climate change and visit to Ghodagodi Tal. According to the plan following activities has been organized to share basic knowledge on climate change and its effect on human being and Nature as well.

**C) Orientation program-** A climate change orientation and knowledge sharing campaign has been organized to 47 participants including 43 student of class 8th and 9<sup>th</sup> grade of Bharaib Secondary school on dated 10<sup>th</sup> December. The objective of this program is to sensitize student about climate change issue and how climate change is affecting the living being and nature. It also aims to mobilize student in creating awareness on climate change at household level.



**Orientation on CC to Students**

During the orientation session, the participants were made clear about the meaning and definition of weather and climate change, and reason of being global warming. It is made clear that the climate change is due to emission of GHS which is mainly happened due to manmade activities rather than the natural. The layer of GHS is worked as glass or plastic that created warm environment causes increase in temperature which ultimately affect on environmental balance which resulted changes in

the nature and tendency of rainfall, draught and air movement. All these change since long time is known as climate change which causes of different Natural hazards due to which there is adverse effect in nature and living beings. In this way climate change is one of the most critical threats to environmental conservation and livelihood security, and poor country and poor community with poor resilience are most affected by climate change impact. Questionnaire and group discussion has been made about the climate change disaster as they informed about the major climate change effect such as Drought, flood, heavy rainfall, dry up of water resources, storm, and land slide that has negative impact on Nature and livelihood of community. As the effect of climate change the crop yield is poor, happening of food scarcity, losses of human being and animals due to flood, outbreak of different diseases, changes in the environment of living creature that resulted the disappear of living creature as now decreasing the availability of fish, bees, Ghonge in the area due to dry up of stream and Tal that has impact on food security of indigenous community. In this connection some measures of mitigation and adaptation has been shared with the community to minimize the effect of climate change. During the course of orientation the participating student has made commitment to plan at least 5 trees in their house yard and an action plan has developed jointly with teacher and management commitment committee to carry out plantation around the school ground.

In the second half a rally has been organized in the Sukkhad Bajar to create awareness on climate change and has observed the Ghodagodi Tal. During the field observation the facilitator has briefed about the importance of wetland conservation for promotion of bio-diversity, and how climate change adversely affected on wetland environment. It is realized by the participants that due to increase in temperature, decreases in the water level, and scratching the land by the community decreases the area and quality of wetland resulted in the biodiversity vulnerability.

**Name list of participants of CC orientation and Rally.**

SN	Name of participants	Grade
1	Bharat Reshmi	8
2	Khagendra Bohora	8
3	Hikmat Khatri	8
4	Khagendra thada	9
5	Yamraj Reshmi	9
6	Yam Tiwari	8
7	Harikala Gaha	8
8	Khami Oli	8
9	Sunita Nepali	8
10	Uma Gurung	8
11	Bhawana Oli	8
12	Joti Oli	8
13	Puja Malla	8
14	Bhart Khatri	8
15	Kumar Khatri	9
16	Lal Bahadur Thapa	9

17	Bharat Bista	8
18	Nara Bahadur Sijali	8
19	Ydukrishta Neure	8
20	Ramin Bahadur Bohara	8
21	Yam Bahadur sijali	8
22	Laxmi Gautam	8
23	Kamala Saund	9
24	Ganga Bahtta	9
25	Dipsikha Oli	9
26	Srat Chaudhary	8
27	Ramesh Chaudhary	8
28	Prem Chaudhary	8
29	Biharilal Chaudhary	8
30	Hari Ram Chaudhary	9
31	Susmig Gurung	9
32	Sital Chaudhary	8
33	Radhika chaudhary	9
34	Dhankumari Chaudhary	8
35	Bibitan Chaudhary	8
36	Kalpana Chaudhary	8
37	Barsha Gautham	8
38	Amrita Saund	8
39	Anita Chaudhary	9
40	Smita Chaudhary	9
41	Shenha Chaudhary	9
42	Priti Pariyar	9
43	Nismika Thapa	8
44	Udhav Raj Joshi	Teacher
45	Rama acharya	School management committee
46	Dabal Bam	YAC Nepal
47	Dipendra Bhandri	School management committee
48	Khadak Pokharel	CFUG-Sandipani
49	Ramesh Bhattra	YAC-Nepal
50	Dirgha Raj Joshi	YAC-Nepal

# Annex-1

Scanning copy of group work-

**वातावरणीय प्रदूषण**

महिला	व	ज	अ	सा	ना	असोज	कार्तिक	म	पौ	भा	माला	अस
मुरली	४५											
दीप	३५											
जिह	५											
अ	३५						←					
मुरली	५						←					
अ							←					

प्रभावित क्षेत्र	१.	२.
→ पानीका स्रोत (खानेपानी)	→ पानीका स्रोत (खानेपानी)	→ पानीका स्रोत (खानेपानी)
→ वनजङ्गल विनाश	→ वनजङ्गल विनाश	→ वनजङ्गल विनाश
→ वातावरण	→ वातावरण	→ वातावरण
→ स्वास्थ्य	→ स्वास्थ्य	→ स्वास्थ्य
→ भी सशुद्ध सतह वरपर	→ भी सशुद्ध सतह वरपर	→ भी सशुद्ध सतह वरपर
दिमाली क्षेत्र	→ दिमाली क्षेत्र	→ दिमाली क्षेत्र
	→ विकास निर्माणका योजनाहरू	→ विकास निर्माणका योजनाहरू

જિવિકૌપાર્જનિક શ્રોત મા પ્રકોપ પ્રકાર/પદ્ધતિ

જિવિકૌપાર્જનિક શ્રોત	જલવાયુ કલ્પન પ્રકોપ				
	ચર્ણ	વાળી	પરિરી	અસિના	હિમપાત
માર્મિક શ્રોત					
કા) વાત, ગાદ	2	3	0	1	0
તેરકારી રક્ત					
ટપાલ/કાચ/વસ...	2	1	0	0	3
જનાવરહરણ: ગ્રેયી	2	1	0	0	1
વૈગુરપાલન પાલન માદ					
પ્રાકૃત શ્રોત:					
જાડો વુડી	-	-	-	-	-
માનવિય શ્રોત:					
જાડો વુડી	0	1	0	2	
દિનમજદુરી/જ્યાતામજદુરી	2	2	0	1	1
જાડો વુડી	1	1	0	1	2

3- પ્રકોપ પ્રાથમિકીકરણ

પ્રકોપ	ચર્ણ	ચર્ણ	પૈરી	વાળી	અસિના	હિમપાત
ચર્ણ	X	ચર્ણ	ચર્ણ	વાળી	અસિના	હિમપાત
ચર્ણ	X	X	ચર્ણ	ચર્ણ	ચર્ણ	ચર્ણ
પૈરી	X	X	X	વાળી	અસિના	પૈરી
વાળી	X	X	X	X	વાળી	વાળી
અસિના	X	X	X	X	X	અસિના
હિમપાત	X	X	X	X	X	✓
અકુ	0	2	3	4	2	1

હરિતગૃહ ગ્યાંસકા શ્રોતકર	પ્રભાવીત સ્રોતકર	જલવાયુ પરિવર્તનમાં દેખીએકા અસરકર
<ul style="list-style-type: none"> <li>▶ સૂર્ય ઉર્જા</li> <li>▶ વનજંગલ વિનાશ</li> <li>▶ કૃષિ ઓજાર, કાર (વાત) આદી</li> <li>▶ ચાતાધાત</li> <li>▶ કલકારવાના</li> <li>▶ પ્રદુષણ</li> <li>▶</li> </ul>	<ul style="list-style-type: none"> <li>▶ માતવીય સ્રોત</li> <li>▶ વાતાવરણ</li> <li>▶ વાયુમંડલ</li> </ul>	<ul style="list-style-type: none"> <li>▶ સમુદ્ર સતત વલન</li> <li>▶ પ્રાકૃતિક પ્રકોપ (ભાદિ-પાકીરો...)</li> <li>▶ પારીસ્થિતિક પ્રજાતીના અસર</li> </ul>

સમુદ્ધ જ. સ્વક

हरित गंधासका स्रोतहरू	प्रभावित क्षेत्रहरू	जलवायु परिवर्तनमा देखिएका असरहरू
१- वनजंगल कटानी २- कृषि ३- उर्जा ४- उद्योग (कलकलहरू) ५- कोहरमैला व्यवस्थापन ६- घाताघातको साधन ७- समुह नं. २	१- हिमाली क्षेत्र (मानवीय, वातावरण) २- पहाडी क्षेत्र र वन, बाँस र कपास ३- तराई क्षेत्रमा ४- वायुमण्डलीय	१- बाढीपैरो आउने २- कृषि क्षेत्रमा कमी ३- नदी-नालाको स्रोतहरू बढ्नु ४- रोगहरू फैल्नु (माहामारी)

प्रकृति प्राथमिकता गोबरीपा						शीतल-लक्ष्मी र बेजनाथ
वर्षा	वर्षा	खैरि	बाढि	असिना	हुस्सु	
वर्षा	x	वर्षा	बाढि	वर्षा	वर्षा	
खैरि	x	x	बाढि	खैरि	हुस्सु	
बाढि	x	x	x	बाढि	बाढि	
असिना	x	x	x	x	हुस्सु	
हुस्सु	x	x	x	x	x	
३ ४ १ २						
समुह नं: १ - को उपसमुह-२						

ગાંધી જિલ્લો પાણીના સ્ત્રોતોમાં પ્રદોષનો અસર / પરિણામ

જિલ્લો પાણીના સ્ત્રોતો | જલવાયુ ઉત્પાદન પ્રકાર

૧. આશીર્વાદ સ્ત્રોત (પ્રદોષ)	તરવારી	કાંઠો	પરિશો	અસિત	ફક્ત	લગ્ન	કુલ જાણ
ક. આશીર્વાદ	૨	૩	૦	૦	૧	૦	૬
તરવારી	૦	૦	૦	૧	૩	૨	૬
સ્વાસ્થ્ય	૦	૧	૦	૦	૩	૦	૪
જેનાવર	૦	૩	૦	૦	૧	૨	૬
જામિન	૦	૩	૦	૦	૦	૧	૪
જાણ:	૨	૧૦	૦	૧	૮	૨	૨૩