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# **FOREST FIRE MANAGEMENT TRAINING**

(TAL and CHAL Project Areas)

## **REPORT**



*Supported by:*  
**WWF/ USAID/ Hariyo Ban Program**

*Implemented by:*  
**Nepal Forest Fire Management Chapter (NFFMC)**  
Afaldole, Lalitpur, Nepal  
<http://www.nffmc.org>

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**Kathmandu – May 2012**

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# Forest Fire Management Training

## 1. Background

### 1.1 Hariyo Ban Program

The Hariyo Ban Program is a five year USAID funded program. The goal of the program is to reduce adverse impacts of climate change and threats to biodiversity in Nepal. Major objectives of the program are to reduce threats to biodiversity in target landscapes; build the structures, capacity and operations necessary for effective sustainable landscape management, with a focus on reducing emissions from deforestation and forest degradation (REDD+) readiness; and increase the ability of targeted human and ecological communities to adapt to the adverse impacts of climate change. Hariyo Ban Program is being implemented by a consortium of NGOs: World Wildlife Fund (WWF) (lead), Cooperative for Assistance and Relief Everywhere (CARE), National Trust for Nature Conservation (NTNC), and the Federation of Community Forestry Users in Nepal (FECOFUN). The Government of Nepal (GoN) is a key partner and beneficiary of Hariyo Ban, as are local communities. The program will also partner with other NGOs, academic institutions, and the private sector. Hariyo Ban Program is being implemented in two landscapes: Chitawan-Annapurna (CHAL) and Terai Arc Landscapes (TAL) where three thematic components biodiversity conservation, sustainable landscapes, and climate change adaptation, and three cross-cutting components livelihoods, governance, and gender and social inclusion are being implemented (<http://awsassets.panda.org>).

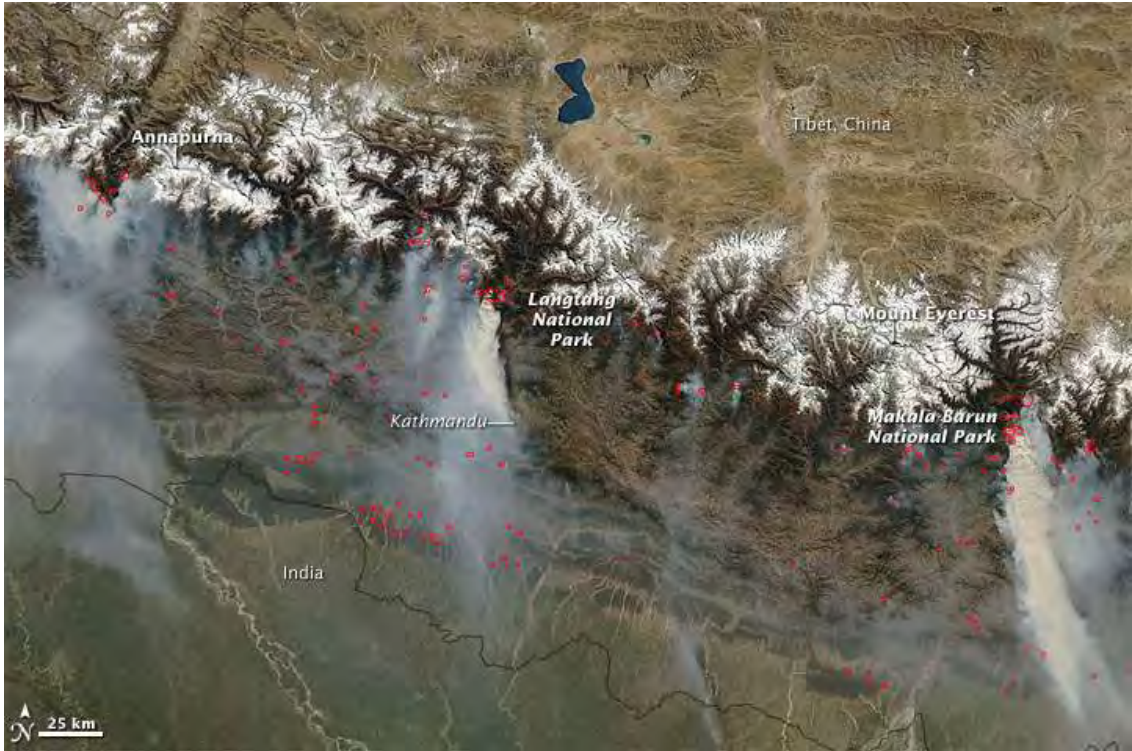
TAL is the first conservation landscape in the region and stretches between the Bagmati River, Nepal and Yamuna River, India. In Nepal TAL expands between Bagmati and Mahakali Rivers and accommodates 6 protected areas and 2 Ramsar sites. TAL is home for tiger, rhinoceros, elephant, gharial and Gangatic dolphin. The landscape is also a home for over 45 different ethnic groups including indigenous Tharus, Bote, Sonaha, Mushar and Chepang with diverse culture and religion. On the other hand, CHAL falls within the Sacred Himalayan Landscape stretched between Bhutan in the east and Gandaki River in the west. CHAL'sThe area contains high biodiversity value and rich natural and cultural heritage (<http://awsassets.panda.org>).

### 1.2 Forest Fire Situation in Nepal

Forest fire is emerging as one of the major challenges threatening biodiversity in general and forest ecosystems in particular in Nepal. Fire regimes and vulnerabilities vary with diverse ecosystems, socio-economic and cultural settings, vegetation types, linked with a range of land use systems and climatic conditions. Fire is generally taken as a traditional tool for clearing and managing agricultural land and pasture. Most fire is uncontrolled and has the potential to cause major damage especially leading to serious degradation of forests and ecological change.

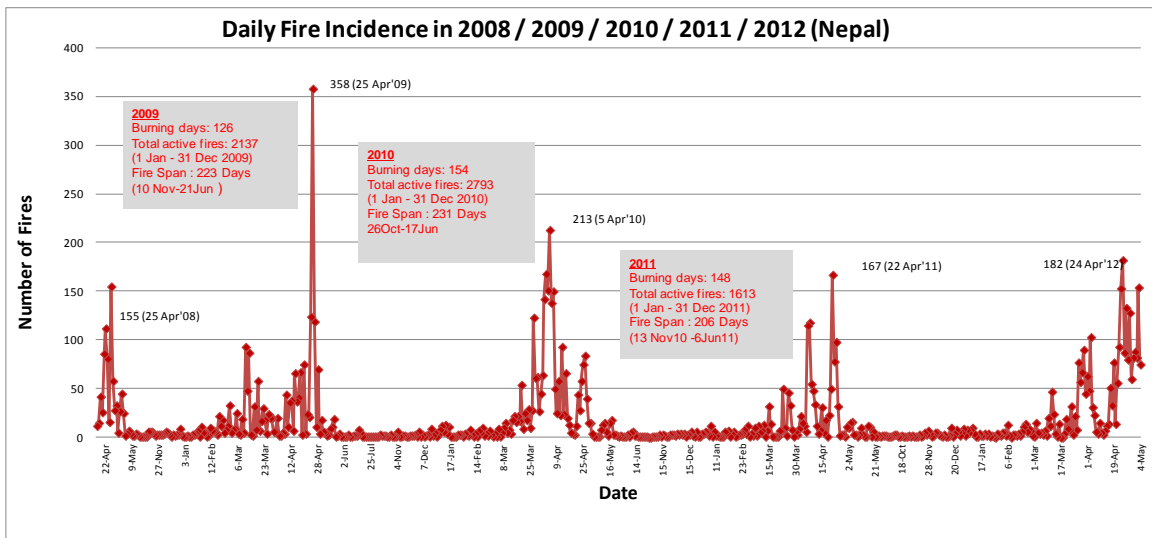
There is increasing incidences and vulnerabilities of forest fires imposing serious threats to lives and properties, destruction and degradation of valuable forests in Nepal every year (*Image 1.1*). Uncontrolled forest fires in 2009 fire season alone toll to 49 death of people (including Army personnel, community fire fighters and general public) and 9 people seriously injured and destroying hundreds of thousands of hectares of national forests particularly to community forests, government managed forests, national parks and reserves.





**Image 1.1:** Plumes of smoke coming from the forest fires in the high altitude Himalayan Protected Areas and other national forests (source: NASA’s Earth Observatory (MODIS Aqua), 12 March 2009)

The trend of fire occurrence is increasing. About 83% fire occurred in tow months of March and April. About 60% fire occurred only in the month of April. Peak fire occurred sometimes in the third week of April (**Figure 1.2 and Figure 1.3**).



**Figure 1.2:** Incidents of Fire from 2008 to 2012 in Nepal (Data source: FIRMS/MODIS/UMD/NASA)

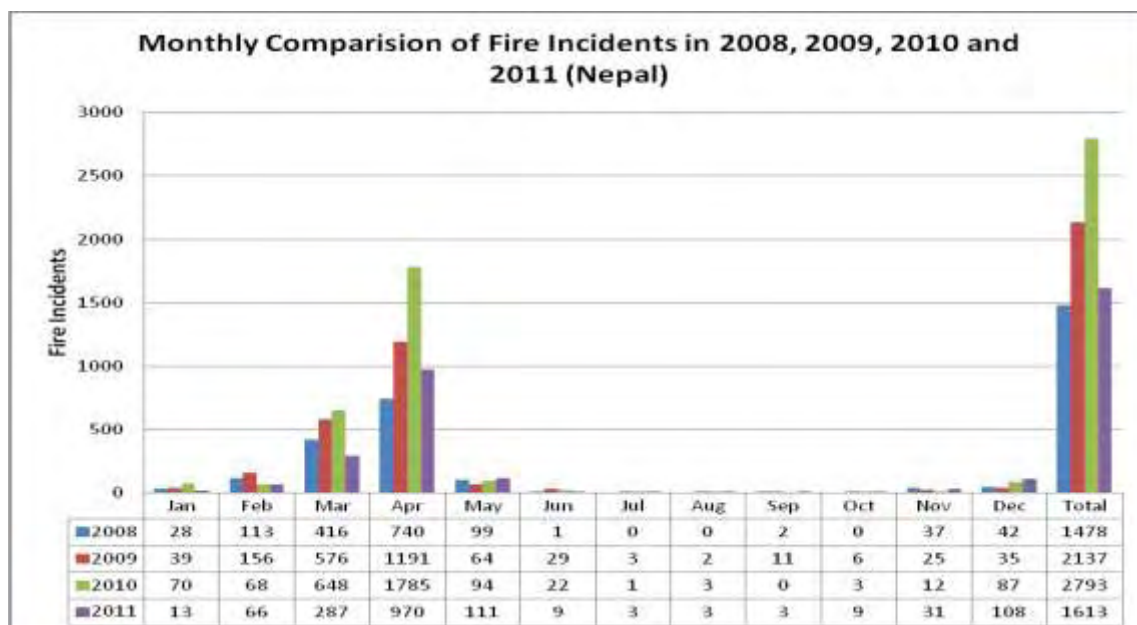


Figure 1.3: Monthly distribution of fire incidents in Nepal (Data source: FIRMS/MODIS/UMD/NASA)

There is a lack of local and national capacity to deal with forest fire research and management including monitoring, early warning, ecological and socio-economic impact assessment, and facilitating international cooperation in fire management. At local level there is low capacity to fight forest fires, including lack of adequate hand tools and other equipment. This has serious implications for fire fighters' safety and the efficiency of their efforts. Therefore, development of fire-fighting capability in local communities is extremely important. For this, distribution of forest fire fighting tools with basic training in fire-fighting and use of tools and equipment at the local level is necessary.

Local women are actively involving for community forest management in Nepal. Therefore, these local need based training will also be based on gender friendly approaches. It is not only the content that will be gender sensitive but participation of diverse groups will also be ensured.

## 2. Objectives

The overall objective of this work is to contribute to controlling forest fire in order to ensure permanence of forest carbon stock. The specific objective of this consultancy is to build capacity of community forest fire fighters in handling forest fire fighting tools and controlling forest fires.

The training course, *inter alia*, took into account of safety and ergonomic aspects in fire management, including uses of appropriate fire fighting tools and safety gears, prescribed fire for ecological purposes and fuel management, inclusive and gender-balanced representation.

## 3. Activities and Methodology

There were two major components of the Program:

1. Arrangement and supply of fire fighting hand tools and safety gears (Annex V)
2. Orientation training program on forest fire management to the 8 Forest User's Groups from Central to Far Western region of Nepal

WWF, TAL and Hariyo Ban CHAL Office identified eight forest fire prone community/collaborative forests as indicated in **Table 3.1** below. Forest fire management training and firefighting tools handover, one set each to the 8 Trainee Groups. One set of forest firefighting tools includes: 10Ps Swatter, 5Ps Shovel, 5Ps Rake, 5Ps Rake-hoe, 2Ps Axe-hoe, 1Ps First-Aid Kit, 10Ps Jump-suit, 20Ps Gloves (pair), 10Ps Helmet, 20Ps Boot (pair), 5Ps Torch, 10Ps Socks (pair) 10Ps Water Bottle, 10Ps Face Mask (**Annex IV**).

**Table 3.1: Identified Trainee Groups**

S. N.	Trainee Group (Community Forestry User Group/Collaborative Forest Management)	Village Development Committee	District
1	Rangapur Collaborative Forest	Rangapur	Rautahat
2	Halkhoriya Collaborative Forest	Dumbarwana	Bara
3	Barandabhar Protected Forest	Bharatpur N.P.	Chitawan
4	Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone	Sundevi	Kanchanpuri
5	Baghauda User Committee, Buffer Zone of Chitawan National Park	Baghauda	Chitawan
6	Baijanath Community Forestry and Barandibhar Community Forestry	Brahmadev Corridor	Kanchanpur
7	Rani Ban CF and Pathari Community Forestry	Bhadaure 1 and 2	Kaski
8	Jum-danda Jhhapre Community Forestry	Bandipur	Tanahu

The training in each trainee group was conducted using the following steps:

- Inception meeting with Hariyo Ban team in Kathmandu to review the TOR and discuss Consultant's plan for the training (including tools, and methodology)
- Discussion with the CHAL and TAL offices and finalize the list of participants to ensure representation of diverse communities.
- Training in all the identified sites (20 participants for 5 days in each training)
- Handover one set of forest firefighting tools (*Annex IV*) to each Trainee Group of Forest User Groups. Preparation of technical report on the training, on which Hariyo Ban and partners will provide comments.
- Production of final report incorporating comments.

Throughout the assignment the Consultant maintained regular communication with Technical Director of the work for smooth implementation of the training in accordance with these TORs.

#### **4. Location and Training Area**

The training programme was organized in eight different places of Terai Arc Landscape (TAL) and Chitawan Annapurna Landscape (TAL) model sites (**Map 4.1**) namely:

1. Rangapur, Rautahat
2. Dumbarwana, Bara
3. Bharatpur, Chitawan
4. Sundevi, Kanchanpuri
5. Baghauda, Chitawan
6. Brahmadev Corridor, Kanchanpur
7. Bhadaure, Kaski
8. Bandipur, Tanahu



**Map 4.1:** Location of training areas

## 5. Program Implementation

The participatory way of needs and situations assessment was done together with local people prior to the training. Pre-feasibility assessment was made together with the course coordinators, trainers and local key informants. It was further assessed during the presentation of the participant's reports and resource mapping. Moreover, the training program was designed in such a way that local community can identify their needs and interests with very low influence from external experts and resource persons.

General characteristics of the tools applied in this training course include the following:

- it aims to include the perspectives of all interest groups, including rural women and men (gender balance and inclusive participation)
- it recognizes indigenous technical knowledge on fire management (and that this knowledge is gender based)
- it functions through communication among those bound together by common fire problems. This communication becomes a tool for identifying solutions

The role of the instructors was to:

- identify people who know about their village and are willing to share their knowledge
- reach the agreement with the villagers on method, time, place, materials, etc.
- probe, check and encourage discussion and debate
- be patient, not controlling
- observe and document the information

Instructors should not:

- overlook the silent participants
- take on the role of a teacher
- interrupt an explanation

The basic moods of the training were:

- lectures on basic fire management
- exercises on the use of controlled fire and fire fighting hand tools
- field visit to show villagers the effects of fire breaks
- reflections from the past

- group works and presentation

<b>Box 1: An overview of the training course</b>	
Technical Director:	Mr. Keshav Khanal
Course Coordinators:	Mr. S. Sharma Mr. Prakash Lamsal Mr. Tilak Dhakal Mr. Purna Kunwar Mr. Abdul Sahim Ansari
Resource Persons:	Mr. Shyamji Mishra Mr. Gagan Sharma Mr. Buddhi Paudel Mr. Kedar Bartaula Mr. Kamal Lama Ms. Sakuntala Thapa Ms. Ganga Subedi
Places and Dates	1. Rangapur, Rautahat (3-7 April 2012) 2. Dumarbana, Bara (9-13 April 2012) 3. Bagauda, Chitawan (12-16 April 2012) 4. Bharatpur, Chitawan (15-19 April 2012) 5. Sundevi, Kanchanpur (19-23 April 2012) 6. Bhadaure, Kaski (21-25 April 2012) 7. Brahmadev, Kanchanpur (24-28 April 2012) 8. Bandipur, Tanahu (27 Apr-1 May 2012)
Course Language:	Nepalese
Target Group:	Forest User's Groups

Predetermined training program has been discussed and tailored with the participants' past experiences and knowledge level.

The training course is developed in such a way that the participants can learn in a participatory way. There is less lectures and more practices in the field, group works and discussions. Modifications in the contents has made as per the participants' requirements and the level of learning during the training course.

Major topics covered in the training course are as follows:

1. Participants' experiences on past fires in their area
2. Fire situation assessment
3. Participatory resource mapping
4. Forest fire management action planning
5. Fire prevention and suppression
6. Fire behaviour and prescribed burning
7. Fire safety and welfare
8. Proper use of fire fighting tools and equipments

This training course is design to providing fire-fighting tools and orientation training to handle the tools to make the local community resilient to wildfire disaster. Please refer the outline of the project in detail in **Annex I** and some of the training materials in **Annex VI**.

The training course is aimed at villagers and other members of a Forest User's Group (FUG) and will allow understanding them to forest fire situation in their area. It deals with tools for community-based fire management planning that are intended for use in a process which is as participatory as possible. It has been developed employing '**Community to Community Approach**' mainly involving locally trained human resources so that it can be applied to any village environment in Nepal.

As such, the course has designed to increase management capability of wildland fire at local community level. The course was also developed together with trainees as per their needs. The main reasons for participatory curriculum development are:

- much time and money is devoted to fire management training - but courses do not always produce the outcomes desired



- as a result many training organizations need to rethink the way they plan, design, deliver and evaluate their courses

The schedule of the training program is attached in *Annex III*.

Participant's involvement in the training program was encouraging in all places. Participation was inclusive and gender balanced (see the **Table 5.1** below and *Annex II*).

**Table 5.1: Training places and dates**

S. N.	Trainee Group	Village Development Committee	District	Training Period
1	Rangapur Collaborative Forest	Rangapur	Rautahat	3-7 April 2012
2	Halkhoriya Collaborative Forest	Dumbarwana	Bara	9-13 April 2012
3	Baghanda User Committee, Buffer Zone of Chitawan National Park	Baghanda	Chitawan	12-16 April 2012
4	Barandabhar Protected Forest	Bharatpur N.P.	Chitawan	15-19 April 2012
5	Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone	Sundevi	Kanchanpur	19-23 April 2012
6	Rani Ban CF and Pathari Community Forestry	Bhadaure 1 and 2	Kaski	21-25 April 2012
7	Baijanath Community Forestry and Barandibhar Community Forestry	Brahmadev Corridor	Kanchanpur	24-28 April 2012
8	Jum Danda Jhhapre Community Forestry	Bandipur	Tanahu	27 Apr-1 May 2012

Fire fighting hand tools and safety gears were locally purchased and manufactured/ fabricated and distributed to the trainee groups. Each of the group is equipped with the set of tools stipulated in *Annex IV*.

## 6. Outcomes

The major outcomes of the training program are given in the following points:

### 6.1 Capacity Building

Fire management capability of the communities has been increased. Following numbers of persons (Table 6.1) were trained and aware of the impacts of the forest fire, shown willingness to disseminate the knowledge and skills gained from the training to local forest users group(s) (see also the photo album of all eight training places in *Annex VIII*).

**Table 6.1:** Trained Fire Management Volunteer Groups

S. N.	Volunteer Group	No. of Male	No. Female	Total
1	Rangapur Collaborative Forest	15	12	27
2	Halkhoriya Collaborative Forest	7	13	20
3	Baghauda User Committee, Buffer Zone of Chitawan National Park	21	11	32
4	Barandabhar Protected Forest	12	15	27
5	Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone	22	9	31
6	Rani Ban CF and Pathari Community Forestry	21	6	27
7	Baijanath Community Forestry and Barandibhar Community Forestry	19	8	27
8	Jum Danda Jhhapre Community Forestry	8	16	24
<b>Total</b>		125	90	215



Photo: Participants from Dumbarwana, Bara



Photo: Participants from Brahmadev Corridor, Kanchanpur

Furthermore, the fire management volunteer groups are equipped with firefighting hand tools and safety wares (See the Handover Notes in *Annex IV*).

## 6.2 Awareness Raising

It has created awareness among general public and among policy makers regarding wildland fire and its impacts. The program was well covered by the media (Television, Radios and Papers) (refer *Annex VII* for some media coverage).



**Figure 6.2:** Screen shot of the website of the national television (Image Channel) broadcasted the training program ([http://imagechannels.com/samachar/thap\\_janakari/13144](http://imagechannels.com/samachar/thap_janakari/13144), published 10 April 2012)

## 6.3 Participatory Resource Map (PRM)

Through the PRM, community people can present and analyze information on land use, watersheds and forests and other resources related to fire management through participatory mapping process.



**Photo:** Participants preparing PRM of their respective forest area (Barandabhar, Chitawan)



**Figure:** PRM of Panchakanya Community Forest

## 6.4 Forest Fire Management Action Plan

Looking at the current fire management capabilities and future scope for the resource generation, action plan preparation was taught and exercised by the groups of the participants. Findings were

presented and discussed in the plenary session and finally come up with a common action plan (**Figure 6.4**). It combined What to do? Where to do? When to do? Who is responsible?

Some of the activities identified by the participants are:

- Fuel management (early burning)
- Control burning
- Fire-line construction
- Fire-line maintenance
- Fire watcher hiring
- Water source construction/conservation
- School education regarding forest fire management (grade 6, 7 and 8)
- Hording board installation
- Forest fire awareness workshops
- Street drama
- Pamphlet and poster production and distribution
- Patrolling
- Forest fire control networking
- Range Post level monitoring and evaluation
- Support to neighbor community forests
- Fire fighting tools and equipment management
- Forest fire management activities / Forest fire reporting
- Public auditing

**Figure 6.4:** A sample format for forest firemanagement action plan

### **6.5 Forest Fire Records**

Past history of the forest fire incidents were recorded during the training session (**Annex V**). It combines the date of the forest fire, name and the type of the forest, affected area (ha), human casualty (death and injured), community efforts to put off the fire in their respective area.



## **7. Conclusions and Recommendation**

The course is based on ‘community-based fire management’ principles and design to imply ‘community-to-community’ approach. The fire fighting volunteer groups are the model groups in the respective areas and the model need to replicate to other areas too.

Regarding the training course, group works and presentation, discussion and practical should be a major part of the participatory teaching and learning processes.

Selection of participants is a vital. It should consider the inclusive and gender balance participation. However, it should be noted that the fire fighting is a dangerous job therefore the participants should be mentally and physically fit. To the extent possible it is recommended to select the participants from the same user’s group for better mobilization of the fire fighters in the time of fire event.

Selected trained members of the group can be served as a ‘trainer’ for the similar training program in future with refresher training to them.

The training curriculum can be used in similar situation but need to be tailored with local situation and prevailing condition (e.g. level of understanding of the participants, availability of resource persons, general teaching and learning environment etc.).

Planning of the training program should be designed in such a way that the trained fire fighting volunteer groups are ready to fight fires in coming month of March and April.

It is further recommended that the follow-up of the outcomes of the training is necessary and at the same time motivation level of the trained persons need to be maintained.

In conclusion, The program has a greater awareness in general public and is the first time in the history of forest fire management initiative in Nepal in this scale.

**Outline of Work**  
**for**  
**Orientation Training on Handling Forest Fire Fighting Equipment to Increase Community**  
**Resilience to**  
**Wildfire Disaster**

Consultant acknowledges that a primary factor in WWF's decision to engage Consultant is to obtain the services of Nepal Forest Fire Management Chapter (NFMC) for this work. In view of this, Consultant agrees that Nepal Forest Fire Management Chapter (NFMC) will facilitate the work sessions under this agreement.

**A. Description of Work**

**1. Background**

Forest fire is emerging as one of the major challenges threatening biodiversity in general and forest ecosystems in particular in Nepal. Fire regimes and vulnerabilities vary with diverse ecosystems, socio-economic and cultural settings, vegetation types, linked with a range of land use systems and climatic conditions. Fire is generally taken as a traditional tool for clearing and managing agricultural land and pasture. Most fire is uncontrolled and has the potential to cause major damage especially leading to serious degradation of forests and ecological change.

There is increasing incidence of forest fires in Nepal every year, imposing serious threats to lives and properties, destruction and degradation of valuable forests. About 80% of fires occur in March and April, and about 50% of fires occur in April alone, with the peak sometimes occurring in the third week.

There is a lack of local and national capacity to deal with forest fire research and management including monitoring, early warning, ecological and socio-economic impact assessment, and facilitating international cooperation in fire management. At local level there is low capacity to fight forest fires, including lack of adequate hand tools and other equipment. This has serious implications for fire fighters' safety and the efficiency of their efforts. Therefore, development of fire-fighting capability in local communities is extremely important. For this, distribution of forest fire fighting tools with basic training in fire-fighting and use of tools and equipment at the local level is necessary.

Local women are actively involving for community forest management in Nepal. Therefore, these local need based training will also be based on gender friendly approaches. It is not only the content that will be gender sensitive but participation of diverse groups will also be ensured.

**2. Objectives**

The overall objective of this work is to contribute to controlling forest fire in order to ensure permanence of forest carbon stock. The specific objective of this consultancy is to build capacity of community forest fire fighters in handling forest fire fighting tools and controlling forest fires.

**3. Supervision and Coordination**

Overall the assessment will be supervised by Sustainable Landscape Coordinator of Hariyo Ban Program, WWF Nepal, and the Consultant will report to him. CHAL Coordinator and Program Manager of WWF TAL Program will provide supervisory inputs and work closely with the Consultant. The Consultant will also work very closely with relevant staff members involved in Hariyo Ban in WWF, CARE, NTNC and FECOFUN.

#### 4. Activities/Methodology

WWF, TAL and Hariyo Ban CHAL Office have identified eight forest fire prone community/collaborative forests as indicated in table below. The consultant will conduct forest fire management training and firefighting tools handover, one set each to the 8 Trainee Groups. One set of forest firefighting tools includes: 10Ps Swatter, 5Ps Shovel, 5Ps Rake, 5Ps Rake-hoe, 2Ps Axe-hoe, 1Ps First-Aid Kit, 10Ps Jump-suit, 20Ps Gloves (pair), 10Ps Helmet, 20Ps Boot (pair), 5Ps Torch, 10Ps Socks (pair) 10Ps Water Bottle, 10Ps Face Mask.

S. No.	Trainee Group (Community Forestry User Group/Collaborative Forest Management)	Village Development Committee	District	Training Completion/equipment handover date
1	Rangapur Collaborative Forest	Rangapur	Rautahat	6-Apr-12
2	Halkhoriya Collaborative Forest	Dumbarwara	Bara	12-Apr-12
3	Barandabhar Protected Forest	Bharatpur N.P.	Chitwan	18-Apr-12
4	Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone	Sundevi	Kanchanpur	24-Apr-12
5	Bagauda User Committee, Buffer Zone of Chitwan National Park	Bagauda	Chitwan	29-April-12
6	Baijanath Community Forestry and Barandibhar Community Forestry	Brahmadev Corridor	Kanchanpur	5-May-12
7	Rani Ban CF and Pathari Community Forestry	Bhadaure 1 and 2	Kaski	10-May-12
8	Jum danfa Jhhapre Community Forestry	Bandipur	Tanahu	15-May-12

The training will be conducted using the following steps:

- Inception meeting with Hariyo Ban team in Kathmandu to review the TOR and discuss Consultant's plan for the training (including tools, and methodology)
- Discussion with the CHAL and TAL offices and finalize the list of participants to ensure representation of diverse communities.
- Training in all the identified sites (20 participants for 5 days in each training)
- Handover one set of forest firefighting tools to each Trainee Group of Forest User Groups on the last day of training as outlined in table above. Preparation of technical report on the training, on which Hariyo Ban and partners will provide comments
- Production of final report incorporating comments

Throughout the assignment the Consultant will maintain regular communication with Technical Director Keshav Prasad Khanal, Coordinator- Sustainable Landscapes so that he can provide inputs to the training and help ensure that the output of the assignment is in accordance with these TORs.

## 5. Training Curriculum

Date	Time	Topics (Session)	Method	Organization
Day 1	10.00-10.30	Registration	Participatory	All
	10.30-12.30	Opening Ceremony	Semi-formal	CFUG/NFMC/WWF
	12.30-13.30	Refreshment		
	13.30-14.30	Introductory Briefing on Logistic Support, Course Content Objective and Aim of the Course	Lecture	NFMC
	14.30-15.30	Participants' Experience on Forest Fire	Group work and presentation	NFMC/CFUG/WWF
	15.30-15.45	Break		
	15.45-17.00	Participants Experience on Forest Fire (Contd...)	Group work and presentation	CFUG
Day 2	10.00-14.00	Fire Situation Assessments, Time line, Resource Mapping (using PRA)	Group work	NFMC/WWF/DFO
	14.00-15.00	Tea break		
	15.00-16.00	Use and Maintenance Firefighting Tools/Equipment	Demonstration	NFMC
	16.00-16.15	Break		
	16.15-17.00	Concept on Forest Fire and Overview on Fire in the district	Lecture and Discussion	DFO
Day 3	10.00-10.45	Resource Mapping and Fire Risk Zoning Map Preparation Finalization and Presentation	Group work	NFMC/CFUG/WWF
	10.45-11.45	Break		
	11.45-12.45	Fire Behaviour and safety	Lecture and GD	DFO/WWF/NFMC
	12.45-13.00	Break		
	13.00-17.00	Fireline Construction	Field Practice	CFUG/NFMC
Day 4	10.00-11.30	Fire Suppression Tactics, Techniques and Tools	Lecture and GD	NFMC
	11.30-13.00	Fire Prevention including legal provision	Lecture and GD	DFO
	13.00-13.30	Planning for Burning Practice	GD	NFMC/CFUG/WWF/DFO



	13.30-14.30	Tea break		
	14.30-17.00	Burning Practices	Field Practice	NFMC/DFO/WWF/CFUG
Day 5	10.00-12.00	Reflection of the Field Practice	Participatory	NFMC/DFO/WWF
	12.00-12:30	Break		
	12:30-14.00	Participatory course evaluation and follow-up requirements	Participatory	All
	14.00-15.00	Tea break		
	15.00-16.00	Closing	Semi-formal	All

Note:	CFUG = Community Forest Users Group
	DFO = District Forest Office
	GD = Group Discussion
	NFMC = Nepal Forest Fire Management Chapter

## **B. Deliverables**

Deliverables written by the Consultant will be in English and will be provided electronically using Microsoft Office software. Final report will also be provided in 4 sets of hard copies. The Consultant will provide the following deliverables:

<b>Deliverable</b>	<b>Due date</b>
Inception report with outline of planned activities, consultations and timeline, and how the Consultant will liaise with the Hariyo Ban team	04 April 2012
Electronic, hard copy or web reference of all literature, data, published maps etc used in the assessment	21 May 2012
Training Completion Report	21 May 2012
Maps, photographs and other relevant procurements under the contract	21 May 2012
Engagement documents with human resources (experts and staff) and other service providers under the contract	21 May 2012

## **List of the Participants**

**Annex II. Summary: Training /Workshop Compile Format**

**Annex II.1** Rangapur Collaborative Forest, Rangapur, Rautahat

**Annex II.2** Halkhoriya Collaborative Forest, Dumbarwana, Bara

**Annex II.3** Bagauda User Committee, Buffer Zone of Chitawan National Park, Bagauda, Chitwan

**Annex II.4** Barandabhar Protected Forest, Ratnanagar, Chitawan

**Annex II.5** Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone, Sundevi Kanchanpur

**Annex II.6** Rani Ban CF and Pathari Community Forestry, Bhadaure 1 and 2, Kaski

**Annex II.7** Baijanath Community Forestry and Barandibhar Community Forestry, Brahmadev Corridor, Kanchanpur

**Annex II.8** Jum Danda Jhahre Community Forestry, Bandipur, Tanahu



**List of the Participants**

Name of the Program					Hariyo Ban Program (Forest Fire Management Training, Rangapur Collaborative Forest)				
District		VDC		Ward		Date			
Rautahat		Rangapur				21-25 Chaitra 2068			

S.N.	Name of Participants	Gender (M/F)	Institution/Group	Designation	Contact No.	Age (Yr)	Poor	Signature
1	Anita Bigati	F	Hatemalo CF User Group		9807219788	14		
2	Anuj kumar Pandit	M	Rangapur Collaborative Forest		9819226389	16		
3	Arjun Patel	M	Rangapur Collaborative Forest		9806806344	15		
4	Bhuwan Shapkota	F	Rangapur Collaborative Forest		9845187773	40		
5	Bijaya shah	M	Rangapur Collaborative Forest			27		
6	Chamunda Thapa	F	Hatemalo CF User Group		9845289599	19		
7	Chandrakali Chaudhary	F	Rangapur Collaborative Forest			30		
8	Dipendra Tiwari	M	Rangapur Collaborative Forest		9845060364	25		
9	Ganesh Ram	M	Rangapur Collaborative Forest		9806887711	27		
10	Geeta Neaupane	F	Hatemalo CF User Group		9845120456	25		
11	Haresh Chaudhar	M	Rangapur Collaborative Forest		9815514738	16		
12	Jeetandra Mahato	M	Rangapur Collaborative Forest		9815244088	16		
13	Koshila Devi Ram	F	Rangapur Collaborative Forest			40		
14	Lakesh Mishir	M	Rangapur Collaborative Forest		9815290545	17		
15	Lal Bahadur Rai	M	Hatemalo CF User Group		9845410840	36		
16	Marashia Devi Ram	F	Rangapur Collaborative Forest			40		
17	Namita Ram	F	Rangapur Collaborative Forest		9806890469	16		
18	Nanda lal ram	M	Rangapur Collaborative Forest		9806890469	40		
19	Osila kumari	F	Rangapur Collaborative Forest			16		
20	Pradip Kumar Patel	M	Rangapur Collaborative Forest		9808180524	18		
21	Ram Chandra Chaudhary	M	Rangapur Collaborative Forest		9817234288	44		
22	Rubi Devi Chaudhary	F	Rangapur Collaborative Forest		9845134373	35		
23	Sanjiv kumar Shah	M	Rangapur Collaborative Forest		9807183616	18		
24	Seema Kumari Ram	F	Rangapur Collaborative Forest		9816240003	16		
25	Shyam Kumar Chaudhary	M	Rangapur Collaborative Forest		9806869546	18		
26	Sosial Devi Chaudhary	F	Rangapur Collaborative Forest			35		
27	Sunil Chaudhary	M	Rangapur Collaborative Forest		9817234391	16		
<b>Other Special Guests</b>								
1	Indra Pd Sapkota	M	DFO, Rautahat					
2	Gauri shankar Paswan	M	DFO, Fire Watcher			30		
3	Punit Ram	M	DFO ,Fire Watcher		9845238707	22		
4	Raj Kumar Chaudhary	M	DFO ,Fire Watcher		9845571207	21		
5	Raj Kumari Chaudhary	F	DFO ,Fire Watcher			25		

Filled by:  
Shyamji Mishra

Signature

Male	15
Female	12
Youth (15-24)	14
Poor	
BCT	
Janajati	
Dalit	
Madhesi	
Others	



**List of the Participants**

Name of the Program: Hariyo Ban Program (Forest Fire Management Training, Halkhoria Collaborative Forest)			
District	VDC	Ward	Date:
Bara	Dumbarwana	4	27 Chaitra 2068 - 1 Baisakh 2069

S.N.	Name of Participants	Gender (M/F)	Institution/Group	Designation	Youth (15-24)	Poor	Signature
1	Ambika Khatiwada	F	Halkhoria Collaborative Fores	User	-		
2	Anu Pudasaini	F	Halkhoria Collaborative Fores	User	23		
3	Bimal Lamichhane	F	Halkhoria Collaborative Fores	User	22		
4	Binda Dahal	F	Halkhoria Collaborative Fores	User	-		
5	Chandra Deo Raya	M	Halkhoria Collaborative Fores	User	-		
6	Indra Prasad Upreti	M	Halkhoria Collaborative Fores	User	24		
7	Nur Hasan Dewan	M	Halkhoria Collaborative Fores	User	24		
8	Prakash Lama	M	Halkhoria Collaborative Fores	User	-		
9	Puja Karki	F	Halkhoria Collaborative Fores	User	14		
10	Puspa Khanal	F	Halkhoria Collaborative Fores	User	17		
11	Ram Prakash Kafle	M	Halkhoria Collaborative Fores	User	24		
12	Rewati Kumari Gautam	F	Halkhoria Collaborative Fores	User	24		
13	Rup Narayan Das	M	Police beat	Hawaladar	-		
14	Sandhya Aryal	F	Halkhoria Collaborative Fores	User	16		
15	Sangita Bharati	F	Halkhoria Collaborative Fores	User	22		
16	Sangita Rai	F	Halkhoria Collaborative Fores	User	22		
17	Shiva K. Yadhav	M	Halkhoria Collaborative Fores	User	-		
18	Sudarsan Adhikari	F	Halkhoria Collaborative Fores	User	19		
19	Sunu Thapa	F	Halkhoria Collaborative Fores	User	19		
20	Sushila Chaudhari	F	Halkhoria Collaborative Fores	User	22		

Filled by:

Shyamji Mishra

Signature

Male	7
Female	13
Youth	14
Poor	
BCT	
Janajati	
Dalit	
Madhesi	
Others	

## List of the Participants

Name of the Program				Hariyo Ban Program (Forest Fire Management Training, Baghauda User Group)			
District		VDC		Ward		Date	
Chitawan		Baghauda				30 Chaitra 2068 - 4 Baisakh 2069	

S.N.	Name of Participants	Gender (M/F)	Institution/Group	Designation	Contact No.	Age (Yr)	Poor	Signature
1	Amrit Ranavat	M	Baghauda User Group	Member	9845196324	23		
2	Apsara Nepali	F	Someswor Bufferzone CF	Member	9804274305	23		
3	Balaram Mahato	M	Baghauda User Group	Member	9807111044	40		
4	Balram Chaudhary	M	Baghauda User Group	Office Assistant	9845196527	30		
5	Bikesh Subedi	M	Prakriti Tatha Batabaran Samaj	Member	9845500839	18		
6	Bishnu Sapkota	F	Baghauda User Group	Member	9845548951	25		
7	Chet Kumari Mahato	F	Baghauda User Group	Member	9845213071	33		
8	Dineswor Mahato	M	Yuva Jagaran Aviyan	Chairman	9845245382	28		
9	Dipak Dhakal	M	Buddha Jyoti youth club	Member	9845368672	19		
10	Ekram Mahato	M	Someswor CF	Member	9845506887	43		
11	Ganga Pd. Neupane	M	Someswor CF	Member		23		
12	Jayaram Mahato	M	Baghauda User Group	Member	9845194548	45		
13	Madhu Rai	F	Baghauda User Group	Member	9807284447	24		
14	Mayadevi Mahato	F	Baghauda User Group	Member	9845345447	35		
15	Mumadevi Neupane	F	Baghauda User Group	Member	9845275101	35		
16	Nabin B.C.	M	Someswor Bufferzone CF	Member	9807120292	17		
17	Narayan Mahato	M	Yuva Jagaran Aviyan	Member	9816270172	40		
18	Om Prakash Mahato	M	Someswor Bufferzone CF	Member	9845278091	32		
19	Phulram Mahato	M	Someswor Youth Club	Member	9845508705	21		
20	Prabhu Pd. Mahato	M	Baghauda User Group	Chairman	9855060503	32		
21	Rishi Mahato	M	Baghauda User Group	Member	9816287191	28		
22	Rita Khati	F	Baghauda User Group	Member	9816264324	21		
23	Sankar Mahato	M	Someswor Youth Club	Member	9845519078	17		
24	Saraswoti Mahato	F	Baghauda User Group	Member	9825648458	41		
25	Saroj pd Lamichane	M	Yuva Jagaran Aviyan	Member	9845448052	28		
26	Shyam Ku. Tiwari	F	Baghauda user Group	Member		40		
27	Teknath Adhikari	M	Someswor Bufferzone CF	Member	9845084246	38		
28	Teknath Paudel	M	Someswor CF	Member	9845247724	45		
29	Tikaram Pathak	M	Baghauda User Group	Watcher	9845204715	32		
30	Uma Basyal	F	Baghauda user Group	Member	9819298642	35		
31	Yadunath Adhikari	M	Someswor CF	Watcher	9816293162	50		
<b>Other Special Guests</b>								
1	Indira Dahal	F	Radio Madi	Member	9845564450			
2	Vawani Paudel		BaghaudaVDC	Ex-Chairman	9845582399			
3	Badrinath Adhikari		Madi Campus	Chief	9845397857			
4	Ekraj Bhandari		TAL		9845365086			
5	Om Prakash Mahato		Someswor Bufferzone CF	Office Asistant	9845278091			

Filled by:

Gagan Sharma

Signature

Male	21
Female	10
Youth (15-24)	10
Poor	
BCT	
Janajati	
Dalit	
Madhesi	
Others	

**List of the Participants**

Name of the Program	Hariyo Ban Program (Forest Fire Management Training, Barandabhar Protected Forest)		
District	VDC	Ward	Date
Chitawan	Ratnanagar	10	3-7 Baisakh 2069

S.N.	Name of Participants	Gender (M/F)	Institution/Group	Designation	Youth (15-24)	Poor	Signature
1	Anita Acchami	F	Panchakanya CFUG	User	20		
2	Ashmi Rana Magar	F	" "	" "	16		
3	Bhiman Balan	M	" "	" "	-		
4	Bimala Gurung	F	" "	" "	16		
5	Binod Gole	M	" "	-	-		
6	China Magar	F	" "		18		
7	Delip Gole	M	" "	-	-		
8	Dipendra Chaudhary	M	" "	-	-		
9	Laxmi Gurung	F	" "	" "	-		
10	Laxmi Pantha	M	" "	" "	-		
11	Laxmi Rana Magar	F	" "	" "	23		
12	Madan Rana	M	" "	" "	19		
13	Muna Sunuwar	F	" "	" "	16		
14	Padam Bahadur Lama	M	" "	" "	-		
15	Pema Acchami	F	" "	" "	17		
16	Ratan Shrestha	M	" "	" "	-		
17	Sabina Thapa	F	" "	" "	-		
18	Salin Rana	M	" "	" "	17		
19	Sangita Acchami	F	" "	" "	19		
20	Saraswoti Thapa Maga	F	" "	" "	-		
21	Sarita Thapa Magar	F	" "	" "	23		
22	Shankar Dumrakoti	M	" "	" "	-		
23	Sunil Dumrakoti	M	" "	" "	18		
24	Sunita Rasaili	F	" "	" "	21		
25	Sunju Lama	F	" "	" "	24		
26	Sushma Rana	F	" "	" "	18		
27	Timoti Gurung	M	" "	" "	17		

Filled by:

Shyamji Mishra

Signature

Male	12
Female	15
Youth	16
Poor	
BCT	
Janajati	
Dalit	
Madhesi	
Others	

TF 1

## List of the Participants

Name of the Program		Hariyo Ban Program (Forest Fire Management Training, Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone)		
District	VDC	Ward		Date
Kanchanpur	Sundevi			7-11 Baisakh 2069

S.N.	Name of Participants	Gender (M/F)	Institution/Group	Designation	Contact No.	Age (Yr)	Poor	Signature
1	Bir Bd. Saud	M	Nageswor CF	Watcher	9848741712	50		
2	Dhandev Joshi	M	Nageswor CF	Watcher	9848747754	40		
3	Gambir Singh Dhama	F	Batabaran Bufferzone CFUG	Member	9848844191	50		
4	Gita devi Mahara	F	Batabaran Bufferzone CFUG	Member	9848772513	25		
5	Haridatta Joshi	M	Batabaran CF	Member	9749507315	51		
6	Janaki Devi Joshi	F	Batabaran Bufferzone CFUG	Member	9848810048	25		
7	Jasmati devi Damai	F	Batabaran Bufferzone CFUG	Member	9806454570	35		
8	Jaya Bd. Yara	M	Nageswor CF	Vice Chairman	9848722658	58		
9	Jit Bd. Bhandari	M	Batabaran Bufferzone CFUG	Vice Chairman	9749537189	50		
10	Kalapati Paneru	F	Batabaran CF	User				
11	Kalawati Bhatta	F	Batabaran Bufferzone CFUG	Member	9848741013	29		
12	Kashi singh Mahara	F	Sundevi Saving & Loan	User	9848732388	38		
13	Lal Bd. Mahara	M	Batabaran CF	Member	9848736079	36		
14	Mandev Joshi	M	Nageswor CF	Watcher	9749515608	42		
15	Mangalla Chaudhary	M	Batabaran CF	Secretary	9729950158	45		
16	Maniram Rana	M	Nageswor CF	Watcher		53		
17	Naravan Dhama	M	Batabaran Bufferzone CFUG	User				
18	Pramila Devi Chaudhary	F	Batabaran Bufferzone CFUG	Member	9848784219	25		
19	Pratap Dhama	M	Sundevi User Group	User	9749510866	52		
20	Puskar Bd. Dhama	M	Sikhar User Group	Secretary	9848741973	30		
21	Puskar Bd. Singh	M	Batabaran CF	Chairman	9848722684	38		
22	Rakta Bd khadka	M	Sukhlaphata Wildlife Reserve	chairman	9848834934			
23	Sakka Bd. Rokaya	M	Sukhlaphata Wildlife Reserve	Game Scout	9848782262	46		
24	Santi Devi Chaudhary	F	Batabaran Bufferzone CFUG	Member		27		
25	Sere Bhatta	M	Batabaran Bufferzone CFUG	Watcher	9848779241	42		
26	Taju Chaudhary	M	Batabaran Bufferzone CFUG	User	9809476193			
27	Tara datta Awasthi	M	Sundevi User Group	Treasurer	9749512356	49		
28	Vaktaraj Joshi	M	Batabaran CF	Member	9848780870	50		
29	Varat Bd. Bista	M	Sundevi User Group	Member	9848745679	50		
30	Vawani Datta Bhatta	M	Nageswor CF	Member	9848723047	50		
31	Vawani datta Joshi	M	Batabaran CF	Member	9848812793	49		

## Other Special Guests

1	Anupraj Thokar		District Forest Office	Ranger	98480269029			
2	Bijaya Raj Paudel		Regional office	RD	9841292879			
3	Damodar Joshi		Sundevi User Committee		9848721809			
4	Ganesh Singh Thakunna		District Forest Office, Dandeldhura		9749500528			
5	Jaya Bd. Yara		Nageswor CF	Vice Chairman	9848722685			
6	Murari Pd. Pokhrel		District Forest Office, Dandeldhura		9741231334			
7	Navin Giri		District Forest Office, Dandeldhura		9845269900			
8	Puskar Bd. Singh		Batabaran Bufferzone CF	Reporter	9848722684			
9	Ramesh ku. Chaudhary		TAL	Acting DFO	9847239849			
10	ratana Bd. Khadka		Suklaphanta Wildlife Reserve	Under Secretary	9848834934			
11	Sanak Bd. Rokaya		Suklaphanta Wildlife Reserve	Ranger	9848782262			
12	Umid Bagchand		BBC Nepal	Reporter	9848430555			

Filled by:

Gagan Sharma

Signature

Male	22
Female	9
Youth (15-24)	0
Poor	
BCT	
Janajati	
Dalit	
Madhesi	
Others	

**List of the Participants**

Name of the Program		Hariyo Ban Program (Forest Fire Management Training, Rani Ban and Pathari Community Forests)			
District	VDC	Ward		Date	
Kaski	Bhadaure	1 & 2		9-23 Baisakh 2069	

S.N.	Name of Participants	Gender (M/F)	Institution/Group	Designation	Address	Age (Yr)	Poor	Signature
1	Aash Bahadur BK	M	Pathari CF	User	Bhadaure 1	17		
2	Anil Gurung	M	Rani CF	User	Bhadaure 1			
3	Badri Subba Gurung	M	Rani CF	User	Bhadaure 1			
4	Bir Bahadur Gurung	M	Rani CF	User	Bhadaure 1			
5	Chitra Bahadur Gurung	M	Rani CF	User	Bhadaure 1			
6	Dhana Lal Bk	M	Bhadaure	Ban Heralu	Bhadaure 1			
7	Ganga Bahadur Gurung	M	Rani Ban CF	Member	Bhadaure 2			
8	Gopal BK	M	Bhaule Charchare CF	User	Bhadaure 1			
9	Hari Pd.BK	M	Pathare CF	Member	Bhadaure 1	17		
10	Hira lal Gurung	M	Rani CF	Chairman	Bhadaure 1			
11	Hit Maya Gurung	F	Rani CF	Secretary	Bhadaure 1			
12	Kahendra Gurung	M	Bhaule Charchare CF	Secretary	Bhadaure 2			
13	Khem Kumar Gurung	F	Rani CF	Member	Bhadaure 1			
14	Maya BK	F	Rani CF	User	Bhadaure 1	19		
15	Min Bahadur Gurung	M	Pathare Pakha CF	User	Bhadaure 2			
16	Mitthu Sunwar	F	Rani CF	User	Bhadaure 1	39		
17	Nawaraj Poudel	M	Rani CF	User	Bhadaure 2	15		
18	Prem Bahadur Gurung	M	Pathari CF	User	Bhadaure 2			
19	Purna Bahadur Gurung	M	Pathari CF	User	Bhadaure 2			
20	Ramjee Gurung	M	Pathare CF	Member	Bhadaure 2			
21	Rupesh Gurung	M	Homestay	Chairman	Bhadaure 1			
22	Santa Bahadur Gurung	M	Rani CF	User	Bhadaure 2			
23	Shom Bahadur Gurung	M	Pathari CF	Member	Bhadaure 2			
24	Shree Pra Gurung	M	Pathare Pakha CF	Chairman	Bhadaure 2			
25	Sita Devi Gurung	F	Rani CF	Member	Bhadaure 1			
26	Thanu Maya Gurung	F	Pathari CF	User	Bhadaure 2			
27	Tika ram Poudel	M	Pathari CF	Member	Bhadaure 2			
<b>Other Special Guests</b>								
1	Purna Bahadur Kunwar	M	Pokhara		Hario Ban			
2	Rajeshree Bista	M	Pokhara		Hario Ban			
3	Sukabir Dhami	M	Care Nepal		Hario Ban			
4	Shanta Bahadur Gurung	M	Bhadaure VDC	Social Worke	Bhadaure 1			

Filled by:

Shyamji Mishra

Signature

Male	21
Female	6
Youth (15-24)	
Poor	
BCT	
Janajati	
Dalit	
Madhesi	
Others	

TF 1

## List of the Participants

Name of the Program					Hariyo Ban Program (Forest Fire Management Training, Baijanath Community Forest and Barandibhar Community Forest)				
District		VDC		Ward		Date			
Kanchanpur		Brahmadev Corridor				12-16 Baisakh 2069			

S.N.	Name of Participants	Gender (M/F)	Institution/Group	Designation	Contact No.	Age (Yr)	Poor	Signature
1	Bal Dev Bista	M	Baijanath CF	Assistant	9848745336	43		
2	Bhagrathi Devi Bista	F	Baijanath CF	User		40		
3	Chakara Bahadur Bista	M	Baijanath CF	Member	9811724796	48		
4	Dhani Bista	M	Baijanath CF	User	984890166	60		
5	Dharma Raj Malla	M	Aamar CF	User	9848736493	58		
6	Jamuna Bista	F	Baijanath CF	User		30		
7	Jayananda Josi	M	Baijanath CF	User	9848782550	50		
8	Joga singh Bista	M	Siddhanath CF	Churiya Sanjal Users	9749507193	70		
9	Kalawati Bista	F	Baijanath CF	User	9848735137			
10	Kalsa Josi	F	Baijanath CF	General Member	9848736478	32		
11	Karan Singh Bista	M	Baijanath CF	User	9848729954	37		
12	Karan singh Mahara	M	Siddhanath CF	User	9848740419	17		
13	Karna Bahadur Bista	M	Baijanath CF	User	9848729219	55		
14	Keshav Raj Joshi	M	Baijanath CF	Treasurer		41		
15	Laxmi Bista	F	Baijanath CF	User	9848783596	24		
16	Lila Josi	F	Baijanath CF	General Member	9848735078	28		
17	Mahesh Bista	M	Baijanath CF	User	9848742125	20		
18	Mitthan Lal Bista	M	Baijanath CF	Vice Secretary	9749514739	62		
19	Paran singh Lohar	M	Sahid Smriti CF	Vice Secretary	9809439361	52		
20	Prem raj Joshi	M	Baijanath CF	User	9848751367	25		
21	Puspa Bista	F	Baijanath CF	General Member	9749531144	26		
22	Rabindra Bahadur Kunwa	M	Baijanath CF	Chairman	9848724000	34		
23	Ram bahadur Bista	M	Baijanath CF	User		62		
24	Ram Bahadur Singh	M	Churiya Conservation Network	Secretary	9869427286	44		
25	Sakuntala Bista	F	Baijanath CF	Secretary	9848690166	29		
26	Suresh Bahadur Bista	M	Baijanath CF	User	9848751442	21		
27	Yakandra Kuwar	M	Baijanath CF	User	9806477616	27		

## Other Special Guests

1	Ganesh Datta Bista		Pragati Yuva					
2	Bir Bd. Lahar		Baijanath CF					
3	Keshav Raj Joshi		Baijanath CF		9848734818			

Filled by:

Gagan Sharma

Signature

Male	19
Female	8
Youth (15-24)	4
Poor	
BCT	
Janajati	
Dalit	
Madhesi	
Others	

TF 1

## List of the Participants

Name of the Program					Hariyo Ban Program (Jum Danda Jhhapre Community Forest)				
District		VDC		Ward		Date			
Tanahu		Bandipur		6		15-19 Baisakh 2069			

S.N.	Name of Participants	Gender (M/F)	Institution/Group	Designation	Contact No.	Age (Yr)	Poor	Signature
1	Ayati maya Thapa	F	Jum Danda CF	User Member		30		
2	Bhola Bhattra	M	Jhupri CF	Auditing Co-ordinator	9746133820	35		
3	Bil Bahadur Gurung	M	Jum Danda CF	Chairman	9817135498	57		
4	Bimala Lama	F	Jum Danda CF	Member	9806698035	34		
5	Bina Gurung	F	Jum Danda CF	User Member	9814155358	20		
6	Buddhisara Ale	F	Jum Danda CF	User Member		31		
7	Devi Bhattra	F	Jhupri CF	User Member				
8	Durga Gurung	F	Jum Danda CF	User Member	9846199887	20		
9	Ghyan Bahadur Gurung	M	Jum Danda CF	User Member	9814336143	27		
10	Hasta Bahadur Thapa	M	Jum Danda CF	User Member		70		
11	Krishna Kumari Gurung	F	Jum Danda CF	Secretary	9846167948	22		
12	Kumari Thapa	F	Jum Danda CF	User Member	9818098467	22		
13	Lalimaya Garjo	F	Jum Danda CF	User Member	9846093220	36		
14	Laxmi Pariyar	F	Jum Danda CF	User Member		22		
15	Laxmi Rana	F	Jum Danda CF	Vice Chairman	9814162165	44		
16	Lokmaya Gurung	F	Jum Danda CF	User Member		49		
17	Manika Thapa	F	Jum Danda CF	User Member	9817162715	25		
18	Mina Rana	F	Jum Danda CF	User Member		28		
19	Naran GC	M	Jum Danda CF	User Member	9846134438	30		
20	Sukalal Thapa	M	Jum Danda CF	Member	9806676774	21		
21	Sukamaya Thapa	F	Jum Danda CF	Member	9846144026	43		
22	Sukamaya Thapa	F	Jum Danda CF	User Member	9846195212	23		
23	Sumitra Lama	F	Jum Danda CF	User Member		54		
24	Suresh GC	M	Jum Danda CF	User Member		36		
25	Susila Bhattra	F	Jhupri CF	User Member		62		

## Other Special Guests

1	Sundar Sharma	M	UN-ISDR, RSWFN	Coordinator	9841311069	47		
2	Madhav Dhakal	M	Care Nepal		9855063459	47		
3	Manoj Chaudhary	M	Care Nepal		9759003213	34		
4	Pabitra Jha	F	Care Nepal		9841776505	29		
5	Pratigya Silwal	F	Care Nepal			27		
6	Bil Bahadur Gurung	M	Jum Danda CF	Chairman	9817135498	57		

Filed by:

Shyamji Mishra

Signature

Male	7
Female	18
Youth (15-24)	7
Poor	
BCT	
Janajati	
Dalit	
Madhesi	
Others	

## **Training Plan and Schedule**

*Annex III.a:* Training Plan

*Annex II.b :* Training Schedule



### Training Plan

S. N.	Trainee Group	Village Development Committee	District	Training Period
1	Rangapur Collaborative Forest	Rangapur	Rautahat	3-7 April 2012
2	Halkhoriya Collaborative Forest	Dumbarwana	Bara	9-13 April 2012
3	Bagauda User Committee, Buffer Zone of Chitwan National Park	Bagauda	Chitwan	12-16 April 2012
4	Barandabhar Protected Forest	Bharatpur N.P.	Chitwan	15-19 April 2012
5	Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone	Sundevi	Kanchanpur	19-23 April 2012
6	Rani Ban CF and Pathari Community Forestry	Bhadaure 1 and 2	Kaski	21-25 April 2012
7	Baijanath Community Forestry and Barandibhar Community Forestry	Brahmadev Corridor	Kanchanpur	24-28 April 2012
8	Jum Danda Jhhapre Community Forestry	Bandipur	Tanahu	27 Apr-1 May 2012

## Training Schedule

### Training Course on Community Based Fire Management (CBFiM) for Community Forest Users Group

#### Objectives of the Training

1. To create awareness on forest fire prevention and control
2. To contribute in preparing a community based fire management plan
3. To practice use of the fire fighting technique and tools
4. To develop the Forest Users' Group as a pilot Group demonstrating forest fire management practices

**Venue:** In 8 places (Refer the ANNEX III.A)

**Date and Duration:** TBD (5 Days )

Date	Day	Time	Topics (Session)	Method	Organization	Resource Person	Remarks
Day 1	Tuesday	10.00-10.30	Registration	Participatory	All		
		10.30-12.30	Opening Ceremony	Semi-formal	CFUG/NFMC/WWF		
		12.30-13.30	<i>Refreshment</i>				
		13.30-14.30	Introductory Briefing on Logistic Support, Course Content Objective and Aim of the Course	Lecture	NFMC		
		14.30-15.30	Participants' Experience on Forest Fire	Group work and presentation	NFMC/CFUG/WWF		
		15.30-15.45	Break				
		15.45-17.00	Participants Experience on Forest Fire (Contd...)	Group work and presentation	CFUG		
Day 2	Wednesday	10.00-14.00	Fire Situation Assessments , Time line, Resource Mapping (using PRA)	Group work	NFMC/WWF/DFO		
		14.00-15.00	<i>Tea break</i>				
		15.00- 16.00	Use and Maintenance Fire fighting Tools/Equipment	Demostration	NFMC		
		16.00-16.15	<i>Break</i>				
		16.15- 17.00	Concept on Forest Fire and Overview on Fire in the district	Lecture and Discussion	DFO		

Day 3	Saturday	10.00-10.45	Resource Mapping and Fire Risk Zoning Map Preparation Finalization and Presentation	Group work	NFMC/CFUG/WWF		
		10.45-11.45	<i>Break</i>				
		11.45-12.45	Fire Behaviour and safety	Lecture and GD	DFO/WWF/NFMC		
		12.45-	<i>Break</i>				
		13.00-17.00	Fireline Construction	Field Practice	CFUG/NFMC		
Day 4	Sunday	10.00-11.30	Fire Suppression Tactics, Techniques and Tools	Lecture and GD	NFMC		
		11.30-13.00	Fire Prevention including legal provision	Lecture and GD	DFO		
		13.00-13.30	Planning for Burning Practice	GD	NFMC/CFUG/WWF/D		
		13.30-	<i>Tea break</i>				
		14.30-17.00	Burning Practices	Field Practice	NFMC/DFO/WWF/CF		
Day 5	Monday	10.00-12.00	Reflection of the Field Practice	Participatory	NFMC/DFO/WWF		
		12.00-12:30	<i>Break</i>				
		12:30-14.00	Participatory course evaluation and follow-up requirements	Participatory	All		
		14.00-15.00	<i>Tea break</i>				
		15.00-16.00	Closing	Semi-formal	All		

Note:

- CFUG = Community Forest Users Group
- DFO = District Forest Office
- GD = Group Discussion
- GE = German Embassy
- GFMC = Global Fire Monitoring Center
- MoFSC = Ministry of Forests and Soil Conservation

## **List of Firefighting Tools and Safety Gears Handed over to the Trainee Groups**

- Annex IV(a):* Firefighting Tools Handover Note and Acknowledgement (Rangapur Collaborative Forest, Rautahat)
- Annex IV(b):* Firefighting Tools Handover Note and Acknowledgement (Halkhoriya Collaborative Forest, Bara)
- Annex IV(c):* Firefighting Tools Handover Note and Acknowledgement (Panchakanya CF, Chitawan)
- Annex IV(d):* Firefighting Tools Handover Note and Acknowledgement (Baghauda User Committee, Chitawan NP Buffer Zone, Chitawan)
- Annex IV(e):* Firefighting Tools Handover Note and Acknowledgement (Sundevi Users Committee, Suklaphanta Wildlife Reserve Buffer Zone, Kanchanpur)
- Annex IV(f):* Firefighting Tools Handover Note and Acknowledgement (Rani Ban CF and Pathari Community Forestry, Kaski)
- Annex IV(g):* Firefighting Tools Handover Note and Acknowledgement (Baijanath Community Forest and Barandabhar Community Forest, Kanchanpur)
- Annex IV(h):* Firefighting Tools Handover Note and Acknowledgement (Jum Danda Jhhapre Community Forest, Tanahu)

## Fire fighting Tools Handover Note and Acknowledgement

**Name of Users Group:** Rangapur Collaborative Forest  
**Place:** Rangapur Village Development Committee, Rautahat  
**Purpose:** Developing Firefighting model group equipped with tools and training

**List:**

S.N.	Types	Unit	Number
1	Swatter	Sets	10
2	Shovel	Sets	5
3	Rake	Sets	5
4	Rake-hoe	Sets	5
5	Axe-hoe	Sets	2
6	First-Aid Kit	Set	1
7	Jump-suit	Sets	10
8	Gloves	Pairs	20
9	Helmet	Sets	10
10	Boot	Pairs	20
11	Torch	Sets	5
12	Socks	Pairs	10
13	Water Bottle	Sets	10
14	Face Mask	Sets	10

**Received By:** Rangapur Collaborative Forest, Rangapur, Rautahat

**Handed over by:** WWF/USAID/Hariyo Ban Program

**Arranged by:** Nepal Forest Fire Management Chapter (NFMC), Lalitpur

**Date and Place:** Rangapur, Rautahat



## Fire fighting Tools Handover Note and Acknowledgement

**Name of Users Group:** Halkhoriya Collaborative Forest  
**Place:** Dumarwana Village Development Committee, Bara  
**Purpose:** Developing Firefighting model group equipped with tools and training

**List:**

S.N.	Types	Unit	Number
1	Swatter	Sets	10
2	Shovel	Sets	5
3	Rake	Sets	5
4	Rake-hoe	Sets	5
5	Axe-hoe	Sets	2
6	First-Aid Kit	Set	1
7	Jump-suit	Sets	10
8	Gloves	Pairs	20
9	Helmet	Sets	10
10	Boot	Pairs	20
11	Torch	Sets	5
12	Socks	Pairs	10
13	Water Bottle	Sets	10
14	Face Mask	Sets	10

**Received By:** Halkhoriya Collaborative Forest, Dumarwana, Bara

**Handed over by:** WWF/USAID/Hariyo Ban Program

**Arranged by:** Nepal Forest Fire Management Chapter (NFMC), Lalitpur

**Date and Place:** Dumarwana, Bara



## Fire fighting Tools Handover Note and Acknowledgement

**Name of Users Group:** Bagauda User Committee, Buffer Zone of Chitwan National Park

**Place:** Bagauda Village Development Committee, Chitawan

**Purpose:** Developing Firefighting model group equipped with tools and training

**List:**

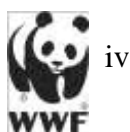
S.N.	Types	Unit	Number
1	Swatter	Sets	10
2	Shovel	Sets	5
3	Rake	Sets	5
4	Rake-hoe	Sets	5
5	Axe-hoe	Sets	2
6	First-Aid Kit	Set	1
7	Jump-suit	Sets	10
8	Gloves	Pairs	20
9	Helmet	Sets	10
10	Boot	Pairs	20
11	Torch	Sets	5
12	Socks	Pairs	10
13	Water Bottle	Sets	10
14	Face Mask	Sets	10

**Received By:** Bagauda User Committee, Buffer Zone of Chitwan National Park, Bagauda, Chitawan

**Handed over by:** WWF/USAID/Hariyo Ban Program

**Arranged by:** Nepal Forest Fire Management Chapter (NFMC), Lalitpur

**Date and Place:** Bagauda, Chitawan



## Fire fighting Tools Handover Note and Acknowledgement

**Name of Users Group:** Barandabhar Protected Forest  
**Place:** Bharatpur Municipality, Chitawan  
**Purpose:** Developing Firefighting model group equipped with tools and training

**List:**

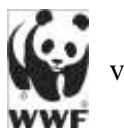
S.N.	Types	Unit	Number
1	Swatter	Sets	10
2	Shovel	Sets	5
3	Rake	Sets	5
4	Rake-hoe	Sets	5
5	Axe-hoe	Sets	2
6	First-Aid Kit	Set	1
7	Jump-suit	Sets	10
8	Gloves	Pairs	20
9	Helmet	Sets	10
10	Boot	Pairs	20
11	Torch	Sets	5
12	Socks	Pairs	10
13	Water Bottle	Sets	10
14	Face Mask	Sets	10

**Received By:** Barandabhar Protected Forest, Bharatpur, Chitawan

**Handed over by:** WWF/USAID/Hariyo Ban Program

**Arranged by:** Nepal Forest Fire Management Chapter (NFMC), Lalitpur

**Date and Place:** Bharatpur, Chitawan





## Fire fighting Tools Handover Note and Acknowledgement

**Name of Users Group:** Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone

**Place:** Sundevi Village Development Committee, Kanchanpur

**Purpose:** Developing Firefighting model group equipped with tools and training

**List:**

S.N.	Types	Unit	Number
1	Swatter	Sets	10
2	Shovel	Sets	5
3	Rake	Sets	5
4	Rake-hoe	Sets	5
5	Axe-hoe	Sets	2
6	First-Aid Kit	Set	1
7	Jump-suit	Sets	10
8	Gloves	Pairs	20
9	Helmet	Sets	10
10	Boot	Pairs	20
11	Torch	Sets	5
12	Socks	Pairs	10
13	Water Bottle	Sets	10
14	Face Mask	Sets	10

**Received By:** Sundevi Users Committee, Sundevi, Kanchanpur

**Handed over by:** WWF/USAID/Hariyo Ban Program

**Arranged by:** Nepal Forest Fire Management Chapter (NFMC), Lalitpur

**Date and Place:** Sundevi, Kanchanpur



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## Fire fighting Tools Handover Note and Acknowledgement

**Name of Users Groups:** Rani Ban CF and Pathari Community Forestry

**Place:** Bhadaure Village Development Committee, Kaski

**Purpose:** Developing Firefighting model group equipped with tools and training

**List:**

S.N.	Types	Unit	Number
1	Swatter	Sets	10
2	Shovel	Sets	5
3	Rake	Sets	5
4	Rake-hoe	Sets	5
5	Axe-hoe	Sets	2
6	First-Aid Kit	Set	1
7	Jump-suit	Sets	10
8	Gloves	Pairs	20
9	Helmet	Sets	10
10	Boot	Pairs	20
11	Torch	Sets	5
12	Socks	Pairs	10
13	Water Bottle	Sets	10
14	Face Mask	Sets	10

**Received By:** Rani Ban Community Forest, Bhadaure, Kaski

**Handed over by:** WWF/USAID/Hariyo Ban Program

**Arranged by:** Nepal Forest Fire Management Chapter (NFMC), Lalitpur

**Date and Place:** Bhadaure, Kaski



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## Fire fighting Tools Handover Note and Acknowledgement

**Name of Users Group:** Baijanath Community Forest and Barandibhar Community Forest  
**Place:** Brahmadev Village Development Committee, Kanchanpur  
**Purpose:** Developing Firefighting model group equipped with tools and training

**List:**

S.N.	Types	Unit	Number
1	Swatter	Sets	10
2	Shovel	Sets	5
3	Rake	Sets	5
4	Rake-hoe	Sets	5
5	Axe-hoe	Sets	2
6	First-Aid Kit	Set	1
7	Jump-suit	Sets	10
8	Gloves	Pairs	20
9	Helmet	Sets	10
10	Boot	Pairs	20
11	Torch	Sets	5
12	Socks	Pairs	10
13	Water Bottle	Sets	10
14	Face Mask	Sets	10

**Received By:** Baijanath Community Forest, Brahmadev, Kanchanpur

**Handed over by:** WWF/USAID/Hariyo Ban Program

**Arranged by:** Nepal Forest Fire Management Chapter (NFMC), Lalitpur

**Date and Place:** Brahmadev Corridor, Kanchanpur



## Fire fighting Tools Handover Note and Acknowledgement

**Name of Users Groups:** Jum Danda Jhhapre Community Forestry

**Place:** Bandipur Village Development Committee, Tanahu

**Purpose:** Developing Firefighting model group equipped with tools and training

**List:**

S.N.	Types	Unit	Number
1	Swatter	Sets	10
2	Shovel	Sets	5
3	Rake	Sets	5
4	Rake-hoe	Sets	5
5	Axe-hoe	Sets	2
6	First-Aid Kit	Set	1
7	Jump-suit	Sets	10
8	Gloves	Pairs	20
9	Helmet	Sets	10
10	Boot	Pairs	20
11	Torch	Sets	5
12	Socks	Pairs	10
13	Water Bottle	Sets	10
14	Face Mask	Sets	10

**Received By:** Jum Danda Jhhapre Community Forestry, Bandipur, Tanahu

**Handed over by:** WWF/USAID/Hariyo Ban Program

**Arranged by:** Nepal Forest Fire Management Chapter (NFMC), Lalitpur

**Date and Place:** Bandipur, Tanahu



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## Forest Fire Records

District:		Corridor/Bottleneck:			Reporting period:				
S.N.	Name of the forest	Forest Type	Address	Affected Area (Ha.)	Date	Human Injured	Casualty Death	Community efforts to put off Forest Fire	Remarks
1	Halkhoria Collaborative Forest	Collaborative Forest	Dumarwan-4, Bara	NA	NA	None	None	Awareness campaign	
2	Someswor Bufferzone CF	Bufferzone CF	Baghauda, Chitawan	150	068/12/18	None	None	NA	
3	Someswor Bufferzone CF	Bufferzone CF	Baghauda, Chitawan	20	068/12/20	None	None	Fire was controlled by 15 CFUG members	Fire reignited and bured uncontrolled
4	Panchakanya CF	Community Forest	Ratnanagar-10, Chitawan	NA	NA	None	None	Awareness campaign	
5	Nageshwar buffer zone community users group	Bufferzone CF	Jhalari 7	30	067/1/22	None	None	30 army in command of Major involved in fire fighting.	
6	Nageshwar buffer zone community users group	Bufferzone CF	Jhalari 8	20	068/12/22	None	None	Armed police force 100, 10 CFUG members involved in fighting the	
7	Batabaran Bufferzone CF	Bufferzone CF	Kalapani 2, Kanchanpur	30	068/2/12	None	None		Fire started from chure hill . Lightening & thundering caused fire on dead tree
8	Batabaran Bufferzone CF	Bufferzone CF	Kalapani 2, Kanchanpur	31	068/2/13	None	None	5 people involved in fire fighting	
9	Batabaran Bufferzone CF	Bufferzone CF	Kalapani 2, Kanchanpur	32	068/2/14	None	None	rainfall also help to Extinguished fire	
10	Rani Ban CF	Community Forest	Bhaudare, Kaski	NA	NA	None	None	Awareness campaign and Workshops	
11	Pathare Pakha	Community Forest	Bhaudare, Kaski	0.1	2068 Chaitra	None	None	Awareness campaign and Workshops	
12	Naule Charchare	Community Forest	Bhaudare, Kaski	NA	NA	None	None	Awareness campaign and Workshops	
13	Baijanath Forest	Bufferzone CF	Kanchanpur	10	064/01/27	None	None	5 people involved in fire fighting	Fire at Lamadanda
14	Baijanath Forest	Bufferzone CF	Kanchanpur	5	064/01/29	None	None	5 people involved in fire fighting	Fire at Lamadanda
15	Baijanath Forest	Bufferzone CF	Kanchanpur	15	064/02/14	None	None	5 people involved in fire fighting	Nursery of Tumadi River
16	Baijanath Forest	Bufferzone CF	Kanchanpur	10	064/02/25	None	None	9 people involved in fire fighting	Khada Danda
17	Baijanath Forest	Bufferzone CF	Kanchanpur	10	068/01/15	None	None	8 people involved in fire fighting	Sal Ghari
18	Baijanath Forest	Bufferzone CF	Kanchanpur	20	069/01/13	None	None	9 people involved in fire fighting	Fire occur at 3 pm, slope 15-25 degree, Chure Forest, Controlled between 8-10 pm; fire was set by people; Flame height 2 ft. at Rai dhunga
19	Pareche CF	Community Forest	Bandipur	51	061 Jestha	3	None	Motivation and awarness campaign	
20	Jum Danda CF	Community Forest	Bharma pani	51	069/1/12	1	None	Fire fighting	
21	Jum Danda CF	Community Forest	Bharma pani	90	061 Jestha	1 disab	None	Fire line construction	
22	Devithan Forest	Community Forest	Bandipur	78	61 Jestha	None	None	None	
23	Devithan Forest	Community Forest	Bandipur	NA	2062 Jestha	None	None	None	
24	Devithan Forest	Community Forest	Bandipur	NA	2063	None	None	None	
25	Devithan Forest	Community Forest	Bandipur	NA	2064-2068	None	None	None	Every year some fires
26	Devithan Forest	Community Forest	Bandipur	NA	069/1/12		None	Fire line construction	6 goats were dead

Format filled by:

Gagan Sharma/ Shyamji Mishra

Date

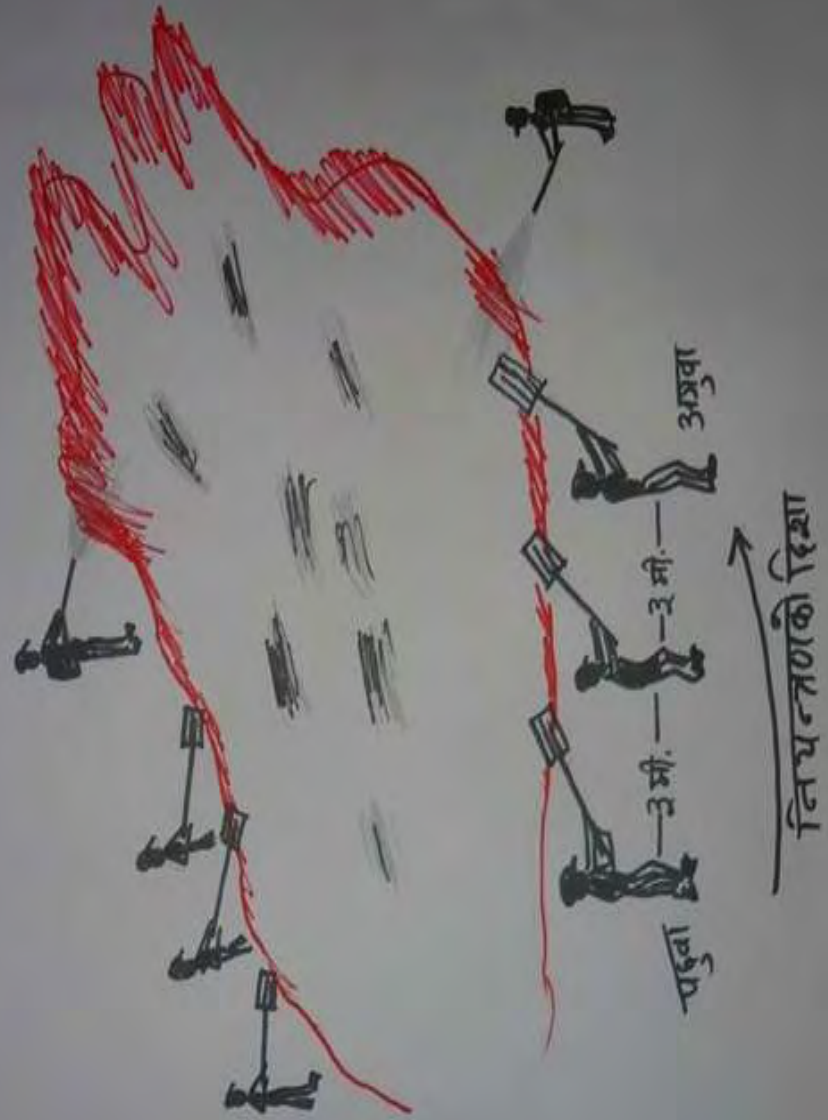
21 Chaitra 2068 - 19 Baisakh 2069

Signature

**TRAINING MATERIALS  
(DRAWINGS)**



# आगो नियन्त्रण





# आजो वलरुदु आओ



कहओ ?

- भलरुओओ ओभलत
- दओओ डओओओ
- प्रओओओ नलओओओओ असुओओ

# आगो विसृद्ध आगो



- अप्रत्यक्ष आगो निरन्तर
- इलो आगो / मध्यम आगो (द्वि-डब्ले)
  - अगती रेखा - २-३ मी.

# सुरक्षा रेखा

(फलफल गरौं !)



कहिले ?

- आगोको भोसभ आउनु पहिल्यै (मध्य फाल्गुण अघि)

कसरी ?

- पात पतिङ्गुर सेघरी पिचुआ ल्याई नियन्त्रणमा बालन वा अत्य प्रयोग गर्ने (सोतर)

(रेखाको च्याडाई डवलतशिल पदार्थको मात्रा, निरन्तरता, उचाई र त्यहाँको भौजोलिक अवस्थाभन्दा भर पर्छ)

आगो निभाउन जाँदा  
विचार गर्नु पर्ने कुराहरू

१. पहिला आफ्नै सुरक्षा !
२. तात्कालिन मासणी अवस्था !!
३. आगोको स्वभाव कस्तो छ ?
४. भाग्ने बाटो ??
५. नहडवडाउने, सधैं कृचाशिल रहने !!
६. सधैं समूहमा रहने !!
७. धोरे धोरे तर निरन्तर पानी पिउने !



# 'वन डटेलो व्यवस्थापन कार्य योजना' का चरणहरू



## **Media Reports / Updates**

- 1. Regular updates of the training program through Nepal Forest Fire Management Chapter's Facebook account:**  
<http://www.facebook.com/pages/Nepal-Forest-Fire-Management-Chapter-NFMC/172216279528682>
- 2. Youth Forces for Forest Fire Control:**  
[http://imagechannels.com/samachar/thap\\_janakari/13144](http://imagechannels.com/samachar/thap_janakari/13144)
- 3. Forest Fire Management Training in Baghauda, Madi, Chitawan, Nepal**  
Community Radio Madi F.M. 107.6 Mhz, News Flashed in 1 Baisakh 2069 (Daily report from 12 to 16 April 2012)  
<http://radiomadi.org.np/>

# **Photo Album**

**Annex VIII.a** Rangapur Collaborative Forest, Rangapur, Rautahat

**Annex VIII.b** Halkhoriya Collaborative Forest, Dumbarwana, Bara

**Annex VIII.c** Bagauda User Committee, Buffer Zone of Chitwan National Park, Baghauda,  
Chitwan

**Annex VIII.d** Barandabhar Protected Forest, Ratnanagar, Chitwan

**Annex VIII.e** Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone, Sundevi  
Kanchanpur

**Annex VIII.f** Rani Ban CF and Pathari Community Forestry, Bhadaure 1 and 2, Kaski

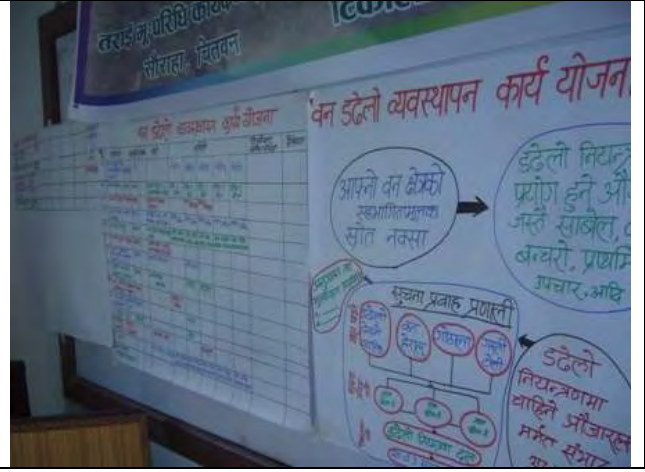
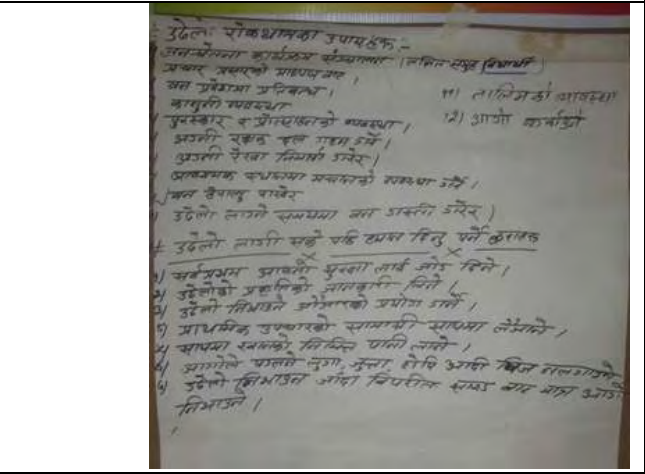
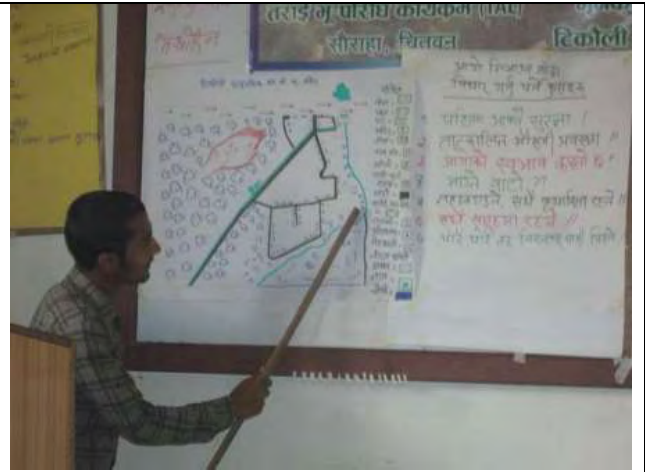
**Annex VIII.g** Baijanath Community Forest and Barandabhar Community Forest, Brahmadev  
Corridor, Kanchanpur

**Annex VIII.h** Jum Danda Jhhapre Community Forestry, Bandipur, Tanahu

(Rangapur Collaborative Forest, Rangapur, Rautahat)









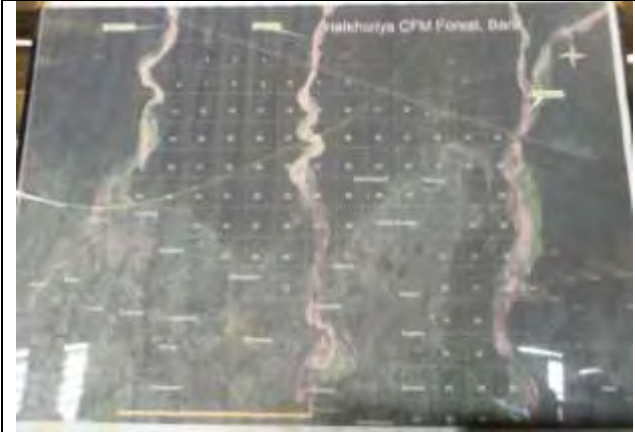


*Annex VII.b*



(Halkhoriya Collaborative Forest, Dumbarwana, Bara)







(Baghauda User Committee, Buffer Zone of Chitwan National Park Baghauda, Chitawan)









**(Barandabhar Protected Forest, Ratnanagar, Chitwan)**







(Sundevi Users Committee, Suklaphanta Wildlife Buffer Zone, Sundevi, Kanchanpur)









(Rani Ban CF and Pathari Community Forestry, Bhadaure 1 and 2, Kaski)



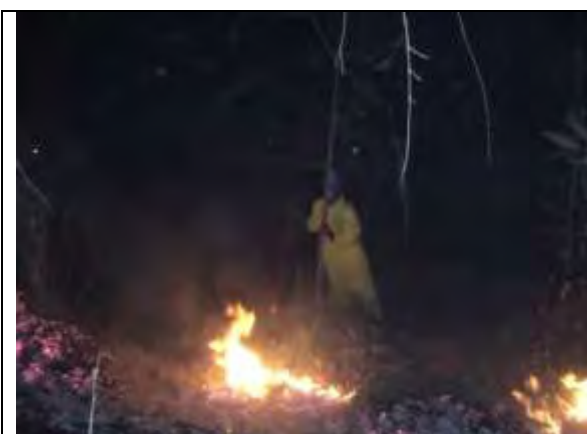
Snakes killed by the forest fire





**(Baijanath Community Forest and Barandabhar Community Forest,  
Brahmadev Corridor, Kanchanpur)**









(Jum Danda Jhhapre Community Forestry, Bandipur, Tanahu)









Eggs of *Gallus gallus* waiting for a fire! But, now safe!

