

# **Domche Community Forest Management Plan**

**(1<sup>st</sup> Revision)**



**Tshohekha Chiwog, Geney Gewog  
Thimphu Dzongkhag**

**Khasadrapchu Forest Range Office**

**Plan Period: 2023– 2033**

---





དཔལ་ལྷན་འབྲུག་གཞུང་།  
རྒྱལ་ཁབ་དང་རང་བཞིན་ཐོན་སྐྱེད་ལྷན་ཁག་ནགས་ཚལ་དང་སྤྱི་ཁག་ཞིག་ལས་ཁུངས་།  
ནགས་ཚལ་ཐོན་སྐྱེད་འཆར་གཞི་དང་འཛིན་སྲུང་ཁྲེ་ཆུ།  
ROYAL GOVERNMENT OF BHUTAN  
MINISTRY OF ENERGY & NATURAL RESOURCES  
DEPARTMENT OF FORESTS & PARK SERVICES  
FOREST RESOURCES PLANNING AND MANAGEMENT DIVISION



No. DoFPS/FRPMD/FRPIS/CF\_1(b)/2022-2023/ 300

September 29, 2023

**NOTE SHEET**

**Sub: Approval of Revised Community Forest Management Plans (CFMPs)**

Following the completion of their 10-year management plan periods, the community forests listed in *Table 1* undertook revisions and submitted their plans for review and approval by the department. These Community Forest Management Plans (CFMPs) were developed by the respective Forest Division in collaboration with Community Forest Management Groups (CFMGs).

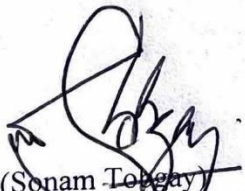
The development of these CFMPs has been guided by the Forest and Nature Conservation Code of Best Management Practices of Bhutan, Volume III: Sustainable Forest Management, ensuring strict adherence to its guidelines and requirements. This collaborative effort reflects the priorities and needs of the CFMGs, taking into consideration both environmental and social safeguards. The process has placed a high priority on stakeholder engagement, emphasizing transparency, accountability, and long-term success.

The revised CFMPs include objectives, prescribed management strategies, and by-laws to regulate the functioning of the CFMGs. Additionally, they contain detailed information on forest inventories, biodiversity conservation measures, resource utilization plans, benefit-sharing mechanisms, and community capacity-building strategies.

The technical assessment and review of these CFMPs were meticulously conducted by the Forest Resources Planning and Implementation Section (FRPMS). It is worth noting that the revised CFMPs strongly emphasize community participation, with a focus on promoting conservation, sustainable resource utilization, community development, and the integration of traditional knowledge with modern scientific practices.

In accordance with Section 9(4) of the Forest and Nature Conservation Act 2023, the approval for the implementation of these revised CFMPs is hereby granted, based on the recommendation of the CFO, FRPMD.

**Recommended by:**

  
(Sonam Tenzin)  
Chief Forestry Officer

**Approved By:**


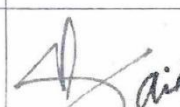

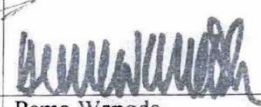
  
(Director)  
Department of Forest and Park Services

## Community Forest Management Plan


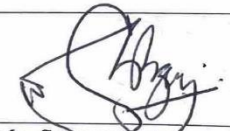
### AANX 3: APPROVAL SHEET

Name of the Community Forest	Domche Community Forest
Villages	Tshocheykha and Zamto
Chewog	Tshochekha
Gewog	Geney
Dzongkhag	Thimphu
Production area in ha/ Acres	63.49 Ha/ 156.82 Acres
Protection area in Ha/Acres	8.51 Ha/ 21.02 Acres
Total Community Forest Area in Ha/Acres	72 ha. / 177.84 acres
Total CFMG members (Number of households)	24 households


#### Prepared and submitted for Approval

	Community Forest management group	Forestry Representative	Gewog Administration	Division Office
Signature				
Name	Karma Gyeltshen	J.B. Rai	Kencho	Pema Wangda
Title	Chairperson	Forest Range Officer Khasadrapchu Range	Gup	Chief Forestry Officer

#### Reviewed and Recommended for Approval

Signature		
Name	Mr. Tsheltrim Dorji	Mr. Sonam Tobgay
Title	Forestry Officer (Focal)	Chief Forestry Officer
Division/Section	Forest Resources Planning and Implementation Section	Forest Resources Planning and Management Division

Approved by:



**Director**  
**Department of Forests and Park Services**



## Table of Contents

ABBREVIATIONS .....	II
SUMMARY .....	III
2. TRADITIONAL RIGHTS AND RESPONSIBILITIES .....	2
3. COMMUNITY FOREST BOUNDARY .....	2
4. PLANNING PROCESS .....	3
5. SOCIAL INFORMATION .....	3
6. FOREST INFORMATION .....	4
FOREST INFORMATION WHOLE CF AREA .....	5
6.5 Forest Condition- Regeneration .....	5
6.7 Block Condition .....	6
DOMCHE COMMUNITY FOREST MAP .....	8
7. FOREST MANAGEMENT .....	9
7.1 THE OVERALL MANAGEMENT OBJECTIVES .....	9
7.2 TOTAL ANNUAL HARVESTING LIMIT WHOLE CF AREA .....	10
7.3 PROBLEMS AND OPPORTUNITIES BLOCK WISE .....	11
7.4 SILVICULTURE OPTIONS AND SYSTEMS .....	11
8. FOREST PRODUCT DEMAND ASSESSMENT .....	11
9. STONES / BOULDERS IN CF AREA .....	14
11. PARTICIPATORY ENVIRONMENTAL ASSESSMENT .....	14
12. ANNUAL WORK PLAN .....	15
PART B: BY-LAWS .....	17
1. COMMUNITY FOREST MANAGEMENT GROUP .....	17
2. COMMUNITY FOREST MEMBERSHIP ARRANGEMENT .....	17
3. ToR FOR CFMG MANAGEMENT COMMITTEE .....	17
4. ROLES AND RESPONSIBILITIES OF THE CFMG MEMBERS .....	18
5. MANAGEMENT COMMITTEE FORMATION .....	19
6. FEES AND FINES FOR OFFENSES AND PENALTIES .....	20
8. FINANCIAL ARRANGEMENT AND MANAGEMENT OF FUNDS .....	21
9. BENEFIT SHARING ARRANGEMENT / PROCEDURES ON BENEFIT SHARING .....	22
10. MEETINGS .....	24
11. CONFLICT RESOLUTION .....	24
12. AMENDMENTS AND REVISION OF CF MANAGEMENT PLAN .....	25
13. ROLES AND RESPONSIBILITIES OF IMPORTANT STAKEHOLDERS .....	25
14. POWER OF THE DEPARTMENT .....	25

## ABBREVIATIONS

AAC	Annual Allowable Cut
AHL	Annual Harvesting Limit
AWP	Annual Work Plan
BA	Basal Area
CF	Community Forest
CFMG	Community Forest Management Group
CFMC	Community Forest Management Committee
CFMP	Community Forest Management Plan
CFO	Chief Forestry Officer
cft	Cubic foot/feet
dbh	Diameter at Breast Height
DoFPS	Department of Forests and Park Services
DT	Dzongkhag Tshogdu
FMU	Forest Management Unit
FNCA	Forest and Nature Conservation Act, 1995
FNCRR	Forest and Nature Conservation Rules & Regulations, 2017
FYP	Five Year Plan
GPS	Global Positioning System
GT	GeogTshogde
Ha	Hectare
MoENR	Ministry of Energy and Natural Resources
M <sup>3</sup>	Cubic meter
Nu	Ngultrum
NWFP	Non-Wood Forest Produce
OP	Operational Plan
PFMP	Participatory Forest Management Project
PRA	Participatory Rural Appraisal
RDC	Research and Development Centre
RGoB	Royal Government of Bhutan
FRPIS	Forest Resources Planning and Implementation Section
FRPMD	Forest Resources Planning and Management Division
SRF	State Reserved Forest
T trees	Timber trees
N trees	Non timber trees

## Summary

Domche Community Forest is situated in the Tshochukha Chiwog, within the Geney Gewog, encompassing the villages of Zamto and Tshochukha. It is located approximately 11 kilometers from the Gewog Centre, accessible via a black-topped road that extends to the end of the village. The Community Forest Management Group (CFMG) comprises 24 households from both Zamto and Tshochukha villages. The forest's altitude ranges from 3100 meters to 3280 meters above sea level. Over the past ten years, the CFMGs have enjoyed various benefits, including access to fencing posts, fuelwood, leaf litter, flagpoles, and timber for construction and rural purposes.

Following the successful completion of the ten-year management plan period from 2012 to 2022, they have proposed to extend it for another ten years due to the numerous advantages it offers in terms of forestry-related services. In the previous management plan, the CFMGs were allotted 2.5 hectares per household, as outlined in the community forest manual. For this new management plan, they have been awarded 3.5 hectares per household, totaling 72 hectares for the 24 members. Within the previous management plan period, nearly 60 percent of the members have benefited from the construction of new houses, renovations, cow sheds, and other structures.

The community forest block is predominantly covered by mixed conifer forests, followed by oak species, which meet the firewood demand of the community forest members. In recent years, approximately 21.04 acres of the CF area were infested by bark beetles. Sanitation operations were carried out in this area to prevent further spread to the adjoining forest. The CFMG members aim to protect and manage the forest with the following main management objectives:

1. *To sustainably utilize and access forest produce within a short period.*
2. *To protect and safeguard the nearest forest from intruders.*
3. *To maintain streams flowing downwards to Rongchu.*
4. *To distribute and use the resources equitably among CFMG members.*
5. *Generate income for the community/CFMG.*
6. *To protect and conserve the Menchu within the CF area.*

During our resource assessment, we observed a diverse species of flora, dominated by *Picea spinulosa*, followed by *Quercus semicarpifolia*, *Tsuga dumosa*, *Larix griffithii*, *Abies densa*, *Betula* spp., *Acer* spp., and *Populus* spp. In the near future, there is a probability of Blue Pine dominating, as we have noticed regeneration in a few locations.

The CF has recorded an average basal area of 14.6 m<sup>2</sup>/ha for trees in the Domche CF, indicating that the forest has the potential to supply timber for the CFMG. Based on the quantitative resource assessment conducted from 40 sample plots, the community forest can annually harvest **7 Drashing trees, 5 Cham trees, 9 Tsim trees, and 11 dangchung trees (with an AAC of 35.13 m<sup>3</sup> for T trees and 77.41 m<sup>3</sup> for N trees)**. The CF has an ample supply of firewood due to the presence of large oak trees. However, the community forest lacks a sufficient supply of flagpoles. As per the demand, there is an inadequate supply of timber and flagpoles from the CF area.

## **Part A: Management Plan**

### **Introduction**

The Domche Community Forest was established in 2012 with support from the Department of Forest and Park Service. The initial plan was successfully completed, and the community members agreed to renew the CF plan in accordance with government regulations. Over time, with rapid socio-economic development and population growth in the community, the forest resources have been annually depleted. People from various residences have been utilizing the nearby forest area's resources without regard for the nature of their residence. Due to increasing pressure on the forest resources in the nearby State Reserve Forest (SRF), the community recognized the necessity of adopting strategies to protect and sustainably use these resources. This led to the collective establishment of the community forest ten years ago in 2012, with 24 households as members. The first ten years of the CF management plan have been successfully completed, benefiting the CFMG significantly. As a result, the community has once again agreed to continue with a new CF management plan.

In this management plan period, CFMG members aim to protect and manage the forest with the following main management objectives:

1. To sustainably utilize forest resources and ensure easy access to them.
2. To protect and safeguard the nearest forest from intruders.
3. To maintain streams flowing downstream to Rongchu.
4. To equitably distribute and utilize the resources among CFMG members.
5. Generate income for the community/CFMG.
6. To protect and conserve the Menchu located within the CF area.

### **1.1 Some key achievements in the ten years following the establishment of the community forest include:**

- No recorded incidents of fire outbreaks in the past decade, demonstrating the diligence and extra efforts of individual CFMGs.
- Effective protection of the area, with no records of illegal intrusions in the past ten years.
- Sustainable distribution of forest produce, following approval from the Gewog administration.
- Over the previous ten years, CFMGs have benefited from new construction of houses, cowsheds, toilets, and other infrastructure developments funded by resources from the CF area.
- Successful management of funds in the CF account, ultimately contributing to the community's income.

### **1.2 Constraints in 10 years of CF**

- Inequitable distribution of forest produces among CFMG members.
- Low level of Co-operation among the members.
- Due to low educated villagers among CFMG members, there is major challenges in keeping record of data.

- In year 2021 there was major die back attack in two patches (21.04 acres), where most of trees and poles were quality of timber deteriorated to use for construction. Moreover, couldn't commercialize due to low market price.

### 1.3 Some of the lesson learned in 10 years by CFMG

- We can access forest related activities within short period as compared to applicant who opt from state forest reserve land.
- We could protect/safeguard our forest from intruders.

## 2. Traditional Rights and Responsibilities

There were no significant traditional management systems in the past. The area has been used by local inhabitants as well as the outsiders. The area is the common source of forest produce for every village of the Gewog. As such, the area faced tremendous pressure in the recent years due to population growth vis-à-vis fragmentation of land holdings and constructional purposes.

Produce/Service	Rights	Responsibilities	Traditional Management System
Constructional Timbers	Any individual from within the local community and from other villages and Gewogs holding the valid forest permits can harvest the timbers from the area.	The issuance of forestry permits vis-à-vis monitoring and evaluation is done by the territorial division.	Only the local residents were allowed to collect the timbers from the area before 1997.
Fuel wood	Only the local inhabitants are allowed to collect the fuel wood from the area.	-DO-	No traditional management system existed.
Leaf litter	Outsiders and the local inhabitants have the rights to collect.	No forestry permits required.	-DO-
Mushrooms	-DO-	-DO-	-DO-
Grazing	No restriction over the use of the area as the grazing land.	-DO-	-DO-

## 3. Community Forest Boundary

Total community forestry area **72 ha**

Boundaries	Describe the permanent features
West	Domdeychabsa
East	Baykulum
South	Chala
North	Geney/Tsochey Rongchu



#### 4. Planning Process

The first 10 years has been completed successfully with not much big problem. The review of CF has been done and the CF member agreed to continue CF with more new members joining.

Sl.No.	Activity	Duration	Remarks
1	Coordination meeting with CFMG whether they want to continues the CF	1 days	
2	Boundary survey	1 Day	.
3	Forest resources inventory in the CF areas	2 Days	
4	Data compilation and analysis	2 days	
5	CF management planning	5 Days	
6	Plan writing	1 week	
7	Presentation of the plan and discussion	1 day	Submit to DoFPS

The first 10 years of community forest has been successfully completed and the CF member wants to continue so is the review of the past CF plan. Now due to increase in the CF member and the changes in CF area entitlement, the CF area was allotted 3 hectares per household.

#### 5. Social Information

	Description
Name of the villages	Tshochekha & Zamto
Ethnic groups with CFMG	Ngalop
Basic amenities	ORC, Community Lhakhang, electricity, Road
Total household number of CFMG	24 with house no and Census
Population of CFMG	110
% of male and % female	Female 70 % & Male 30 %
Main sources of income	Mushroom, Potato, Dairy Products
Cattle population of the CF area	144
Main crop	Potato
Cropping pattern	Mixed Cropping,

The community forest group consists of 24 members from two villages, Zamto and Tshochakha. In general, this area is known as Tshochakha Chiwog, located under Geney Gewog. In the past, both villages relied on their main cash crops for their livelihoods. However, two decades ago, the residents faced challenges in sustaining their livelihoods as there were no cash crops that could generate substantial income. Consequently, embracing new modern agricultural techniques, the

community began cultivating potatoes on a large scale, commercializing their produce and thereby contributing to the country's Gross Domestic Product (GDP).

Additionally, the entire Gewog has a Non-Wood Forest Product (NWFP) group comprising households from five chewogs. The primary NWFP product is *Tricholoma matsutake*, locally known as Sangay Shamu. This product has seen significant production records in Tshochokha Chiwog, leading to improvements in the community's livelihoods.

**Table 1: Seasonal Calendar**

Products	Spring (Sokha)	Summer(Bjar)	Autumn (Sekha)	Winter(Guen)
Timber	XX (M)			XXX(M)
Fuel wood	X (M/F)		XX (M&F)	XXX (M/F)
Leaf litter			X(F&M)	XXXXX (F)
Fencing posts	X (M&F)			XXX(M/F)
Mushrooms		XXXX (F&M)	X (F/M)	
Flag poles	X(M/F)	X(M/F)	X(M/F)	X(M/F)

Seasonal Calendar depicts the collection time of the forest products by the CFMG. It defines the community involved in forest product collection at definite seasons as describe in the above cited tabular form. For dead case flagpoles will be allotted for whole year.

## 6. Forest Information

The Domche Community Forest area predominantly consists of a mixed conifer forest type with oak as the dominant species. The primary species found in this area are spruce (*Picea spinulosa*) and oak (*Quercus semicarpifolia*), along with other species such as *Tsuga domosa*, *Larix griffithii*, *Abies densa*, *Betula spp.*, *Acer spp.*, and *Populus spp.* The basal area of the community forest is measured at 14.6 m<sup>3</sup>/ha. The utilization of forest produce has been a tradition in this community for many generations, with resources being used as they become available.

In a specific area known as Domche Pang, there was an infestation of bark beetles. To mitigate the spread of infection, sanitation felling was conducted. During our forest resources inventory, we observed the regeneration of Blue Pine, which suggests that in the future, Blue Pine may become more prominent, possibly due to signs of global warming affecting the forest composition.

The community forest area is managed as a single block, as the forest condition and type are consistent throughout. This forest area consists of a uniform stand of spruce and oak forests. The community forest area primarily faces a north aspect and has an altitude range of 3100 m to 3280 m. Overall, the forest's condition is good, with oak as the dominant species. Although there are a few water sources within the CF area, they are currently not being utilized.

The Community Forest Management Group (CFMG) is not responsible for tree plantations; instead, they focus on other annual activities such as cleaning, thinning, and harvesting of resources in accordance with the annual harvest limit. Additionally, there are some stones and

boulders within the CF area that CF members can use for their personal needs, but these are not meant for sale.

## Forest information whole CF area

### 6.1 Forest and Habitat type

Forest Types	Tick (✓)	Remarks, if any
Subtropical forest		
Chirpine forest		
Warm broadleaved forest		
Blue pine forest		
Cool broadleaved forest		
Mixed conifer forest	✓	<i>Dominant species are Hemlock and Spruce</i>
Fir forest		.
All forest types		
Grassland		

### 6.2 Main timber species in local name

Local name	Common name	Semitic name
Bashing	Spruce	<i>Picea spinulosa</i>

### 6.3 Forest age in CF area

Mature <input checked="" type="checkbox"/>	Pole stage <input type="checkbox"/>	Shrubland <input type="checkbox"/>	Any <input type="checkbox"/>
Main canopy of mature trees	Main canopy of pole-stage trees	Main canopy of shrubs, young trees or regeneration	No continuous canopy. Isolated trees only

### 6.4 Canopy density of CF forest area

<b>Dense</b> <input checked="" type="checkbox"/>	<b>Open</b> <input type="checkbox"/>	<b>Very open</b> <input type="checkbox"/>
Canopy density > 70%	Canopy density < 70%	No real canopy. Isolated trees only

### 6.5 Forest Condition- Regeneration

<b>Abundant</b> <input type="checkbox"/>	<b>Scattered/few</b> <input checked="" type="checkbox"/>	<b>None</b> <input type="checkbox"/>
Regeneration easy to find in most places	Regeneration only in some places and hard to find	No regeneration
Write the names of the 3 main tree species in the regeneration		
1) Spruce	2) Hemlock	3) Bluepine
Regeneration: Seedlings > 30cm and < 1.3m height		

### 6.6 Forest Condition- Approximate density of seed tree (if any)

(v) Forest Condition – Approximate density of seed trees		
<b>High</b> <input type="checkbox"/>	<b>Moderate</b> <input checked="" type="checkbox"/>	<b>Low</b> <input type="checkbox"/>
> 50 seed trees per ha	10 - 50 seed trees per ha	< 10 seed trees per ha



## 6.7 Block Condition

Use the forest condition class box below to get the average condition for the block			
<b>Poor</b>	<input type="checkbox"/>	<b>Average</b>	<input type="checkbox"/>
		<b>Good</b>	<input checked="" type="checkbox"/>
			<b>Very Good</b>
			<input type="checkbox"/>
<b>Does the main forest canopy consist of large, mature trees?</b>		<b>Yes</b>	<input checked="" type="checkbox"/>
		<b>No</b>	<input type="checkbox"/>

## 6.8 Grazing and fodder in CF area.

Natural	CF area fall in natural	Mostly the grazing is done for perishable natural grasses as the area does not have fodder trees.
Man –made		
Mixture		
Predominantly forest		

## 6.9 Grazing use pattern in CF area

Seasonal	
Three Months (Summer)	CF area caters the grazing for only three months in year for highlanders and whole year for local cattle.

## 6.10 Types of user

Migratory	
Local	Cattle
Both	Highlander cows

## 6.11 Catchment condition in CF area

<b>Soil cover</b>	Soil cover class
> 50% of the soils are covered by vegetation	<b>High</b> <input type="checkbox"/>
25 - 50% of the soils are covered by vegetation	<b>moderate</b> <input checked="" type="checkbox"/>
< 25% of the soils are covered by vegetation	<b>Low</b> <input type="checkbox"/>
<b>Slope</b>	
Slope (degrees)	Slope steepness class
<10°	<b>Gentle</b> <input type="checkbox"/>
10° – 30°	<b>Moderate</b> <input checked="" type="checkbox"/>
> 30°	<b>Steep</b> <input type="checkbox"/>
<b>Catchment Condition – Summary</b>	
Use the catchment condition class box below to get the average condition for the block	
Less critical <input checked="" type="checkbox"/>	Moderately critical <input type="checkbox"/>
	Highly critical <input type="checkbox"/>

## 6.12 Fauna

<b>Local name</b>	<b>Zoological name</b>
Wild pigs	<i>Sus scrofa</i>
Kasha (Barking deer)	<i>Muntiacus muntjak</i>
Show (Samberdeer )	<i>Rusa unicolor</i>
Dom (Bear)	<i>Selanarctosthibetanus</i>
Cha kap (Langur)	<i>Semnopithecus</i>

Leko	<i>Lophura leucomelanos</i>
Musk Deer	

6.13 Biotic pressure in CF area

Biotic pressures	Common	Occasional	Absent
Fire			Yes
Fodder collection			Yes
Grazing		Yes	
NWFP Collection		Yes (only mushroom)	
Pole harvesting	Yes		
Fuel wood harvesting	Yes		
Timber harvesting	Yes		
Encroachment			Yes
Hunting		Yes	
Others (describe)			Yes

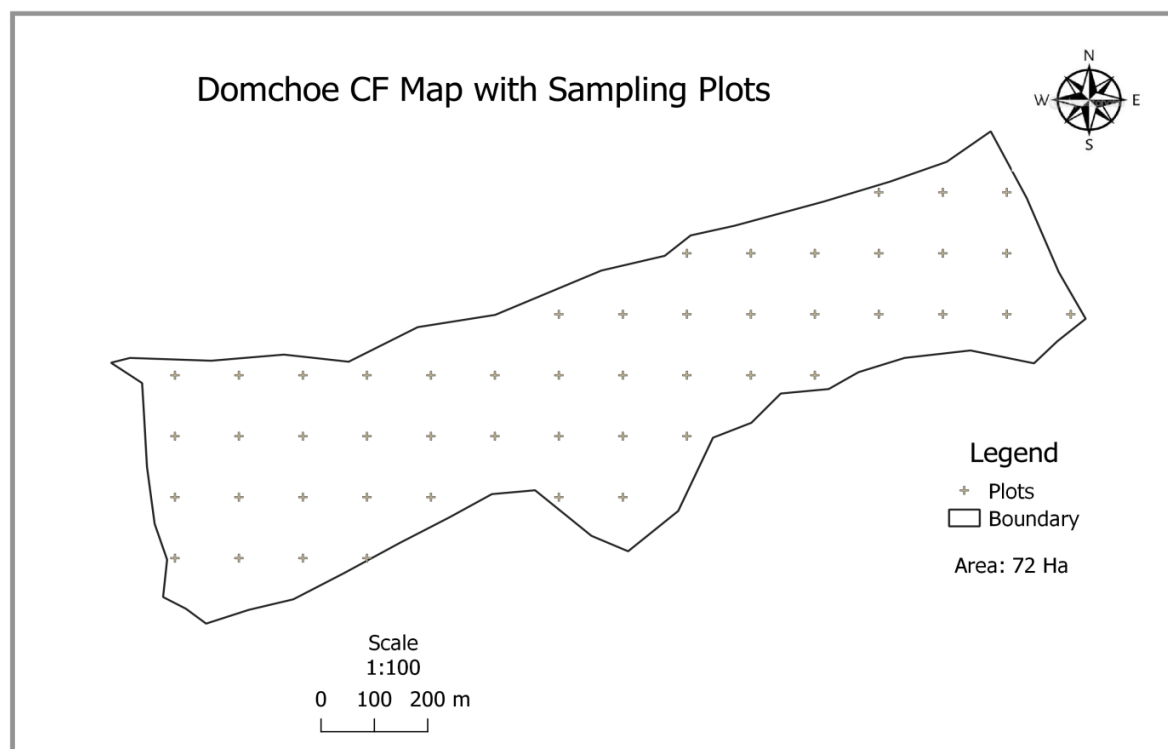
6.14 List of forest products and who collects

List of products and services	Who collects from forest		Mark (X) if used or collected by outsider (out of CFMG) and mention which village
	Male (M)	Female (F)	
Timber	Male		X
Fencing posts	Male	Female	X
Firewood	M	F	X
Flag poles	M	F	X
Leaf litters	M	F	X
Leaf mould	M	F	X
Mushroom	M	F	X

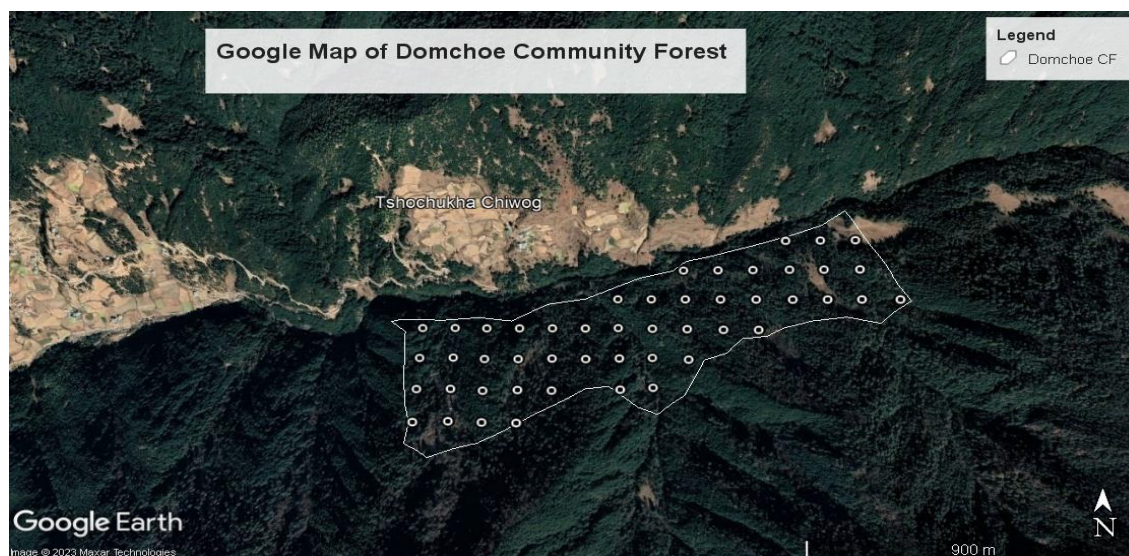
6.15 Main species present

Local name	Botanical name
Bashing	<i>Picea spinulosa</i>
Bjishing	<i>Quercus semicarpifolia</i>

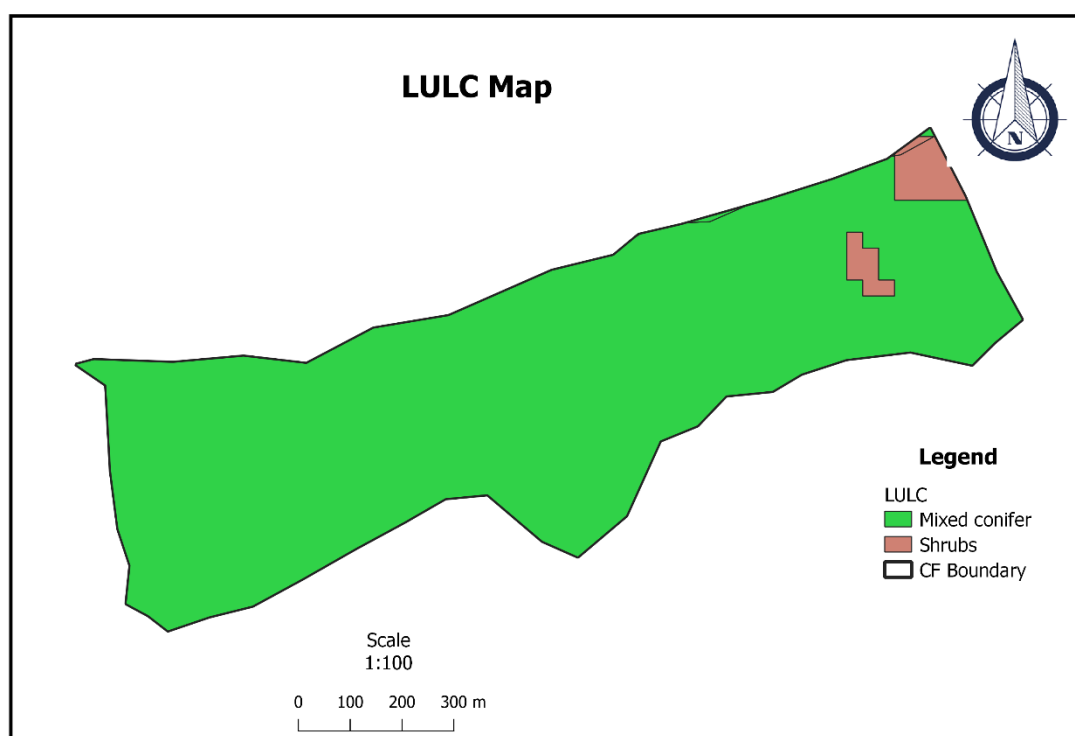
## Domche Community Forest Map







Land use map of Domche Community Forest



## 7. Forest Management

**7.1 The overall management objectives** for the community forest, as defined by the CFMG, are as follows:

- 1. Sustainable Harvest and Utilization:** The primary goal is to harvest and utilize forest resources sustainably. Recognizing the increasing demand for forest resources

due to population growth, the community aims to manage these resources using proper scientific methods and a well-structured management plan.

2. **Preventing Unauthorized Resource Harvesting:** Another key objective is to prevent outsiders from illegally harvesting any forest resources, including boulders, in an unsustainable and detrimental manner. The community seeks to ensure responsible and lawful utilization of these resources.
3. **Equitable Resource Distribution:** The CFMG aims to distribute and use the forest resources equitably among its members. They intend to allocate resources based on the management plan and individual needs, ensuring fair and balanced access.
4. **Fire Protection:** Protecting the forest from wildfires is a critical objective, especially given the high-risk nature of the CF area. The community is committed to safeguarding the forest from the devastating effects of forest fires.
5. **Menchu protection:** The community forest area houses Menchu, a valuable natural resource. Preserving and conserving this resource is one of their priorities, recognizing its significance within the Community Forest area.

## 7.2 Total Annual harvesting limit whole CF area

### Annual Timber harvesting limits for Domche Community Forest

Products	Dangchung	Tsim	Cham	Drashing	Poles	Posts	Firewood	Total AAC
m3	0.02	2.77	3.63	28.77	1.87	19.73	55.82	112.60
cft	0.54	97.74	128.22	1016.11	65.93	696.73	1971.60	3976.86

Products	Dangchung	Tsim	Cham	Drashing	Poles	Posts	Firewood	Total AAC
No. of Trees	11	9	5	7	23	43	23	89

AAC= (Net production area\*Average Vol/ha)/Rotation Age

Whereas: AAC=Annual Allowable Cut

Net production area=47.6 ha i.e 75% of protection Area.

Average volume/ha for AAC in volume calculation & Average No. of Trees/Ha for AAC in No. of Trees calculation

Rotation Age= 120 Yrs for Conifer & 110 Yrs for broadleaved

As per the data analysis it clearly shows fewer timber species and more non timber available in the CF area.

### 7.3 Problems and opportunities block wise

Block name	Problems	Opportunities	Management objectives	Activities
CF area	The CF has shortage of timber	There is no much opportunities as the CF area is mostly cover by Oak trees which can't be used as timber	-Protect from fire -sustainable harvesting	-Less harvesting -Cleaning require in some area - Thinning in some areas

### 7.4 Silviculture options and systems

Block Name	Domche			
Utilization	Improvement	Protection	Silviculture system	Comments
Timber	-Thinning -removal of mature trees	-illegal harvesting	Single tree system	
Firewood	- Remove dead and malformed trees - cleaning	From forest fire Do not fell the sound quality trees for firewood	Single Tree System	Remove mature Oak trees so that natural regeneration for blue can be encourage
Fencing posts	Fell the unsound/stunted pole size.	Retain clean bole poles	Single trees selection felling	Use the species which cannot be used for construction , like fir, populus, larch
Flag poles	Thinning	From forest fire	Single tree and small group feeling	Mostly dangchung size can be used for flag poles

## 8. Forest Product Demand Assessment

The annual forest product demand has been discussed among the beneficiaries of the community forest and drawn the details of requirement as recorded in table below. The requirement indicated is both for new and repair purposes including the requirement for cow shed construction. The demand is calculated based on past 10 year's experiences and requirement among CF members.

Product	Annual requirement (estimate)		Number of HH that require product annually (C)	Total requirement of the product (annually)		Total requirement of produce in 10 years	
	Numbers (A)	Volume in cfts /m3 (B)		Number (AxC)=D	Volume in cfts /m3 (BxC)-E	Numbers (Dx10)	Volume in cfts/ M3 Ex10
For New construction							
Drashing	18 nos.	1271.16 cfts	2 households	36 nos.	2542.32 cfts	360 nos.	25423.2 cfts
Cham	40 nos.	564.8 cfts.	2 do	80 nos.	1129.6 cfts	800 nos.	11296 cfts.



Tsim	40 nos.	141.2 cfts	2 do	80 nos.	282.4 cfts.	800 nos.	2824 cfts
<b>Renovation</b>							
Drashing	3 nos.	211.86 cft	2 households	6 nos.	423.72 cfts	60 nos.	4237.2cfts
Cham	10 nos.	141.2 cfts	2 do	20 nos.	282.4 cfts.	200 nos.	2824 cfts.
Tshim	15 nos.	52.95 cfts	2 do	30 nos.	105.9 cfts.	300 nos.	1059 cfts.
<b>Other rural construction</b>							
Drashing	1 nos.	70.62 cfts	2 households	2 nos.	141.24 cfts	20 nos.	1412.4 cfts
Cham	4 nos.	56.48 cfts	2 do	8 nos.	112.96 cfts	80 nos.	1129.6 cfts.
Tshim	10 nos.	35.3 cfts.	2 do	20 nos.	70.6 cfts	200 nos.	
Fire wood	2 trees	3.49 m3	20 households	40 trees	69.99 m3	400 trees	699.97 m3
Flag poles	5 nos.	8.8 cfts	10 households	50 nos.	88 cfts	500 nos.	800 cfts.
Fencing posts	50 pieces (17 trees)	60.01 cfts	10 households	500 pieces (170 trees)	600.1 cfts.	5000 pieces (1700 trees)	6001 cfts

We could not estimate demand for dead case flag poles is a dock basis

### 8.1 Comparison of AAC and Demand

Annual Allowable cut and Demand format							
Produces	Total AAC		Total amount demand		Difference		Comments
	No. of trees	Volume cfts	No. of trees	Volume in cfts	No. of trees	Volume in cfts.	
<b>Drashing</b>	7	1016	41	5950.9	-34	-4934.9	Shortage of drashing
<b>Cham</b>	5	128.22	80	2051.5	-75	-1923.3	Shortage of cham
<b>Tshim</b>	9	97.74	130	1411.8	-121	-1314.1	Shortage of tshim
<b>Dangchung</b>	11	0.54	-	0.0	11	0.5	Can be used as flag poles
<b>Firewood</b>	23	1971.60	40	3428.9	-17	-1457.3	Sufficient from CF area
<b>Fencing posts</b>	43	696.73	170	2754.5	-127	-2057.8	N trees of Chams and Tshim size can be used as fencing posts
<b>Flag poles</b>	23	65.93	50	143.3	-27	-77.4	T tree of Dangchung can be used as flag poles but still shortage in dead cases

While analyzing the annual demand and the annual harvest limit on varied produce as indicated in the above tabular form, there is shortage of timber from the CF area as per the annual demand of CFMG. So, shortage of timber will be met from state reserve forest based of genuine

requirement and approval from Gewog administration. Since the CF jurisdiction has less flagpoles size and this demand will be allotted from state reserve forest especially in dead cases.

## 8.2 Forest Product Preference Ranking Matrix

Forest produce	Timber	Fire wood	Fencing Posts	Leaf litters	Grazing	Flag poles	mush room	Water
<b>Timber</b>								
<b>Fire wood</b>	Firewood							
<b>Fencing Posts</b>	Timber	Firewood						
<b>Leaf litters</b>	Timber	Fire wood	Leaf litters					
<b>Grazing</b>	Timber	Firewood	Grazing	Leaf litters				
<b>Flag poles</b>	Timber	Firewood	Fencing posts	Leaf litters	Grazing			
<b>Mushroom</b>	Timber	Firewood	Mushroom	Mushroom	Mushroom	Mushroom		
<b>Water</b>	Water	Water	Water	Water	Water	Water	Water	

The water protection and manage emerged to be the top priority among the forest resources followed by timbers for constructional purposes. However, the CF area doesn't possess drinking water source but the tributaries that passes downward from CFs area contribute to community residing to lower parts of Gewog. Moreover, they have prioritized firewood and mushroom as it has impacts on livelihood of community.

## 8.3: Forest Product Prioritization Matrix

Uses Species		D/Shing/Cham	Fuel Wood	Leaf Litter	Fencing Posts	Flag poles	Tsim
Spruce	Preference	XXX	X	X	XX	XXX	XXX
	Availability	OO	OO	O	OO	O	OOO
Populous	Preference	-	X	-	XX	-	X
	Availability	O	O	OO	OOO	O	OO
Oak	Preference	-	XXX	XX	-	-	-
	Availability	-	OO	OOO	O	O	-
Larch	Preference	-	-	-	X	X	X
	Availability	O	O	-	-	-	O

Betula	Preference	-	X	-	X	-	-
	Availability	O	O	O	O	O	-
Hemlock	Preference	-	XX	-	XXX	-	-
	Availability	O	OO	O	OO	O	-
Fir	Preference	-	XXX	-	XXX	-	-
	Availability	-	OO	O	OO	-	-

**Note:** Preference = X (Highly preferred=XXXXXX)  
Availability = O (Available abundantly =OOOOO)

The CFMg member highly prefer Blue pine but at present there is no timber trees available in CF areas. Only seedling and sapling of blue pine present at CF area, so they didn't include in above table. The most preferred timber species present in CF area is Spruce compared to Fir, Hemlock and Larch by CFMGs

## 9. Stones / boulders in CF area

As the community forest area has no potential in production of stone/boulders. However for domestic use for CF member there is few area to use. Due to developmental activities like road etc... can leads to production of stones or boulders inside CFs area whereby, CFMGs can avail the resources after realizing the royalty. No commercialization is recommended and is not allow as per the FNCR.

## 11. Participatory Environmental Assessment

Proposed activities	Potential Environmental Effects				Potential Socio-Economic Effects			
	Soil	Water	Wild animals	Plants	Traditional Forest Use	Cultural & Religious values	Local Employment	Local benefits from forest produce
Water source protection	+++	+++	+++	+++	++	++	0	+++
Timber harvesting	---	---	---	--	-	0	++	--
Restrict the outsiders from using the resources	+++	+++	+++	+++	++	0	0	+++
Creation of fire line	+++	+++	+++	+++	0	++	0	+++
Fuel wood harvesting	---	---	---	--	-	0	0	-
Cleaning	+++	+++	++	+++	+++	++	0	+++

Campaign								
Thinning & cleaning	++	--	---	+	0	0	+	+

+++ Positive effect, --- negative effect, 0 no effect

The water source protection encompasses more positive environmental effects. Any activity that confines to the extraction of the resources like timber and fuel wood harvesting contributes negative impacts to the environment and its components.

The harvesting of any forest resources shall be done as per Silviculture guidelines which will help towards mitigating the negative impacts without requiring taking up separate major correction measures.

### 11.1 Procedure to address potential negative environment effect

Activities	Procedure
Timber harvesting	<ul style="list-style-type: none"> <li>- Sustainable harvesting as per the management plan</li> <li>- Not to fell trees in slope more than 50%</li> <li>- No felling within 50 meters either side of the water sources and course</li> <li>- Timbers will be distributed within CFMG according to priority needs</li> </ul>
Firewood and other forest produce harvesting	<ul style="list-style-type: none"> <li>- Reduce use of firewood</li> <li>- No felling in steep slopes.</li> </ul>
Forest fire protection	<ul style="list-style-type: none"> <li>- Regular patrolling by CF members during fire season.</li> <li>- Not to burn and make any fire within CF area and nearby CF areas.</li> <li>- Create awareness regularly before on set of fire season</li> </ul>
Grazing control	-control grazing
Waste management	-managing waste and regular inspection and cleaning camping

## 12. Annual Work plan

The activities have been identified as per the status of the community forest. The activities in the first ten years would be almost similar. However, the annual work plan in tabular form is presented below for clear understanding. The work plan will be similar for all ten years except some changes that might come in the later stages due to certain required changes in the plan.

Location	Activities	Years										Responsibilities
		1	2	3	4	5	6	7	8	9	10	
Domche CF area												
3 site of CF area	CF boundary marking with painting											CFMC and Range Office
Domche CF area	Conduct patrolling											Chaiperson CFMG
Domche CF	Timber and other forest											CFMG, CFMC and



area	produce harvesting												Range Office
	Conduct general meeting												Chairperson, CFMG range Office
	Book keeping training												Range Office
	Silviculture training												DFO Thimphu
	Timber monitoring												CFMC and Range Office
	Waste Management												CFMG
	Menchu protection												

## PART B: By-Laws

### 1. Community Forest Management Group

Domche is the name of the Community Forest collectively decided by the CFMG. The community forest consists of 24 members of household.

### 2. Community Forest Membership Arrangement

Any household registered in the CFMG member list shall be called the member of the community forest. Any interested household can be eligible to become the member of the community forest if the following criteria are fulfilled:

- Being the rural inhabitants of the community, the household should have thram census and house number.
- Should be willing to contribute whatever the expenses in terms of labour and money had been contributed for community forest by the CFMG.
- Any household who have contributed labour and money up to the day on which the willing household apply for membership shall be exempted from contribution but have to deposit the new membership fee for those join newly in the beginning of new management plan and annual registration fee as per the by-laws.
- None of the new members shall be entertained within the ten years as per the decision of the CFMG.(from 2023 to 2033 plan period)

#### 2.1. Procedures to apply and become the member of the CFMG.

The set of procedures as provided below will be followed to recruit the new members as per the CFMG decision by end of the management plan period:

- The applicant shall submit application to the Chairman.
- The Chairman shall conduct meeting with the CFMG.
- If eligible, agreement between the CFMG and the applicant will be signed.
- CFMG committee to collect the required contribution.
- Registration of the new member(s) after 10 years.

#### 2.2. Procedures to resign from the membership

- Any member wishing to resign from the membership should submit the resignation letter with “*No Objection Letter*” from the household members who are above 18 years of age as an enclosure to the Chairman during the general CFMG meeting.
- The application should contain a statement “*I shall not claim any forest resources from the CF area henceforth and shall stand liable for any legal action as per the by-laws of the Community Forest and existing rules of the government*”.
- The resigning member shall not be eligible for any share or benefit confined to the collective income of the CFMG including his/her contribution made until that day.

### 3. ToR for CFMG Management Committee

The roles and responsibilities of the CFMG members are defined and presented in the tabular form as under:

Sl.NO.	TITLE	RESPONSIBILITIES
1	Chair Person	<ul style="list-style-type: none"> <li>• Chair the CFMG meetings</li> <li>• Coordination with other stakeholders</li> </ul>

		<p>Convene annual and ad hoc emergency meeting</p> <p>Initiate the activities as per the plan</p> <p>Monitor &amp; Review the planned activities</p> <p>Report to CFO, on the developments on CF.</p> <p>Attend important meetings and trainings on CF</p>
2	Secretary	<ul style="list-style-type: none"> <li>• Officiate in the absence of the Chairman</li> <li>• Keep records on CF</li> <li>• Maintain minutes of the meetings</li> <li>• Correspondences on CF</li> <li>• Maintain proper financial records.</li> <li>• Collect and deposit the fund in the bank.</li> <li>• Maintain the sale records.</li> <li>• Present the budget status of the fund during the annual general meeting of the CFMG.</li> </ul>
3	Treasurer	<ul style="list-style-type: none"> <li>• Maintain proper financial records.</li> <li>• Deposit fund in Joint Account</li> </ul>
4	Risups	<p>To conduct ad hoc patrolling in the CF area</p> <p>Collect the information from the CFMG members and inform the Chairman accordingly.</p> <p>Attend the CFMG Committee meeting &amp; trainings on CF</p>

#### 4. Roles and Responsibilities of the CFMG members

All the members of the CFMG shall comply with the decision of the CFMG Committee and ensure the proper implementation of the planned activities. They are responsible to the roles and responsibilities provided in the FNCR 2006 and as provided below:

- Report any unhealthy and violation of the rules of the CFMG to the management committee for needful action
- Provide equal support to protect the area
- Have equal rights over the use of the resources and the fund generated through the sale of the resources
- Implementation of any planned activity through contribution of equal work force.
- Protect the wild life, plants and minerals available in the CF area.
- Implement the proper disposal system of the wastes management.
- The members failing to attend meetings and ad-hoc activities shall be liable to fine of Nu. 800/-

*The CFMG members have the rights to terminate the committee members if any of the members are found guilty of not performing the desired duties as per the set responsibilities and performing works that are harmful to the CF existence*

##### 4.1 Record Keeping

The following records shall be maintained by the CFMG Committee as per the guide lines provided by DoFPS

- Implemented activities as per the plan.
- Receipts and expenditure of the fund
- Visit to the CF by the outsiders
- Fine collection
- Sale of forest products
- Marking of trees
- Status of the fund
- Loan lending
- Grants
- Permit issuances and product allotment details
- Apprehension of offenders

## **5. Management Committee Formation**

The community forest comprises of four management committee members. The positions of the committee members include Chairman, Secretary, Treasurer and Risup.

The rules and procedures for the formation of the committee including the eligibility and election shall be as per the following prescribed manners:

- Any member acquainted with writing and reading skills and knowledge shall be eligible to become the member of the CFMG Committee
- Election will be held during the general meeting of the CFMG
- The elected CFMG Committee members shall serve for the period of five years.
- The election of the new members shall be convened fifteen days before the completion of the tenure of the previous members
- The CFMG members will collectively decide whether to re-elect the existing member(s) or new members.
- Two Resup will be elected annually by the CFMG based on schedule made by the CFMC

### **5.1. Power of the CFMG Committee on decision making on the CF matters**

The CFMG management committee reserves the power as listed hereunder:

- In any deliberation on the CF matters during the CFMG Committee Meeting, the decision of the majority will be considered as the final decision.
- Monitor and evaluate the activities
- The CFMG committee shall rectify the lapses in the implementation and inform the CFMG members for required support.

Regarding the management committee member position, any committee member travelling to perform the works/training about community forest shall be paid Nu.1000/day. The wage shall be calculated and paid accordingly from the CF saving. In case member gets DSA from training CFMG members will be eligible for Nu: 800/-.

Any committee member attending meetings/trainings on CF as per the directives of the relevant organizations shall not be eligible for payment if they are paid by organization. The Chairman should be made aware of the travel with reasons beforehand.

## 5.2. Termination of membership

The membership shall be cancelled by the CFMG management committee if any member violates the rules of the management plan and set by laws. The member will also be terminated if he/she fails to comply with the rules upon repeated reminders of three times. The terminated member shall not be eligible to claim any benefit and shall have no rights over the community forest area. The termination letter shall be issued by the Chairman and the management committee.

## 6. Fees and Fines for offenses and Penalties

SI NO	Forest products/Membership fees	Procedures	Fee (Nu.)
1	Membership fees	Will be collected once right after the approval of new management plan.	Nu. 500/CFMG Members and in addition he/she should deposit new membership fee of Nu:500/- for new member.
2	Timber in log form	The collection permit fee will be collected before issue of permit.	Nu. 5/CFT
3	Standing form Drashing		Nu. 80/tree
4	Cham		Nu: 50/tree
5	Tsim		Nu. 30/tree
6	Dangchung		Nu:10/tree
7	Firewood standing		Nu. 30/tree
8	Lops and tops		Nu. 20/head load for CFMG
9	Fencing posts		Nu. 5/piece
10	Flag poles		Nu. 4/pole
11	Mushroom billet		Nu.10/piece
12	Stone /boulders		Nu.100/truckload
Timber /forest products	CFMG Members		Non CFMG Members
	Fines /penalty	Products	Fines /penalty      Products
As per the CFMG members decision the fines and penalties will be apply base on the Forest and Nature Conservation Rules and Regulation of Bhutan for both CFMG and Non CFMG. The CFMG committee members through the support from the CFMG members shall enforce the rules consistently. The collection of the fines shall be done by the CFMC with support from forest officers.			

## 7. Menchu (Stone bath)

The CF has one Menchu site located at Phakha. It is renowned for its various benefits to the public, particularly its ability to heal fractures. To ensure the cleanliness of the CF area and generate funds for the CFMG (Community Forest Management Group), certain rules and regulations have been proposed and approved.



After the management plan's approval, the CFMG has the responsibility to safeguard and protect the area. Here are the details of the fee structure:

1. **CFMG Members:** CFMG members are not required to pay a fee, except for firewood, which costs Nu: 100/- per tree and Nu: 20/- per head load.
2. **Village Neighbors (Non-CF Members):** Neighbors residing in the village who are not CFMG members must pay a fee of Nu: 20/- per head load or Nu: 100/- per tree for firewood. However, the fee is exempted for them.
3. **Outsiders:** Outsiders who wish to avail services at the CF area will be charged a fee of Nu: 200/- per tree and Nu: 40/- per head load.
4. **CFMG Member and Friend/Outsider:** If a CFMG member is using the service, and a friend or outsider wishes to join, they will be charged Nu: 200/- per tree for firewood and Nu: 40/- per head load.
5. **Annual CF Meeting:** Within ten years of the management plan period, CFMG members can convene an Annual CF meeting to review and potentially adjust the fee structure for outsiders based on infrastructure development and service improvements at the Menchu site.

## **8. Financial Arrangement and Management of Funds**

A savings account at BDBL in the name of the Domche Community Forest Management Group will be used for the proper management of funds. The account will be jointly opened, requiring the signatures of the Chairman and Secretary/Treasurer for fund withdrawals. Sources of funds will include fines, membership fees, permit fees, penalties for absentees, grants, and other contributions.

The Secretary will be responsible for depositing the funds into the bank and maintaining accurate records of receipts and expenditures. The Chairman will provide support to the Secretary in fund management since the CFMG has decided not to appoint a treasurer, considering the group's size and past ten years' experience.

Decisions regarding the allocation of funds will be made during CFMG Committee meetings. The Committee holds the financial authority to decide on withdrawals and expenditures of up to Nu. 10,000 (Ten Thousand only) whenever necessary. These funds must be used exclusively for CF-related matters.

Since the CF fund is not substantial, the CFMG has decided not to provide loans to its members during this management plan period. Any fund or amount exceeding Nu. 10,000 (Ten Thousand) will require approval from the CFMG members.

The Secretary will maintain proper records of all fund transactions. The expenditure areas for the funds will be determined by the CFMG Committee, and these may include:

- Purchase registers
- Files
- Official Seal for the office
- One seals each for Chairman and Secretary.

*The CF common fund will not be allowed to share in cash among them; however, the CFMG members will decide the use the fund as per the guideline provided by the DoFPS.*

SI NO	Fund management	% ceiling	Remarks
1	Development of CF relativity activity	25 %	Plantation, training, fire prevention works, awareness
2	For community development activities	20%	Maintenance of farm roads, maintenance of drinking and irrigation waters , community local festival etc.
3	Bank balance	5%	Always should be kept in bank as balance
4	CFMG enhancement (capacity building, study visite, meeting, workshop etc.)	50 %	For CFMG maintenance of office equipment's, procure office furniture, Seal, etc.

## **9. Benefit sharing arrangement / Procedures on benefit sharing**

- Any CFMG member desiring to apply for the forest product shall submit requisition to the Chairman of the CFMG.
- The CFMG Committee members shall verify the requisition to check whether the requirement is genuine.
- The allotment shall be done upon thorough verification but will be done according to the annual harvest limit.
- The forest products shall be meant for the use of the members themselves only.
- Members whosoever found lending or selling the allotted forest product shall be liable to penalties as per the existing forestry rules of the government and shall require producing back the products.
- If the requirement (Timber) is for new construction, renovation and other construction, the incumbent should produce the construction approval of the Gewog and Dzongkhag.
- In case of any timbers traded by the members, the offender(s) shall be liable to pay the fines on commercial values according to the existing market rate and the fine will be deposited in the bank in CFMG account.
- None of the member shall apply for the forest products as the vested right to claim blindly.
- CFMG can avail forest produce annually as per FNCR 2021. No requisition shall be entertained thereafter except for natural calamities.
- Unlike timbers, the forest produce like mushrooms and leaf litter can be collected by the CFMG members as and when required but shall not be permitted to give to outsiders.
- Regarding the sale of the forest produces, collective decision shall be made through the CFMG meeting.
- The fixation of price shall be done through the diligent discussion among the CFMG members.
- Timber marketing guideline
- The CFMG shall bear the sale taxes as per the prevailing rules of the government.
- The transportation of the products shall be done upon prior approval from the Department of Forest as per the rules.

### 8.1. Timbers for rural construction for CFMG member.

Every CFMG members has equal right for use of timber but as per the decision made by the CFMG are as follows

Timing for forest produces

SI NO	Activities	Time	Responsible	Remarks
1	Collect permit forms for rural house new construction, Renovation and other rural construction	Throughout the year	CFMG member	Have to get construction approval before issuing collection permit
2	Firewood	Do	CFMG Members	
3	Flag poles	Do	CFMG members	
4	Flag poles dead case	No timing	CFMG members	Need to issue from state forest as no flag poles available in CF areas
5	Fencing posts	Throughout the year	CFMG Members	
6	Leaf litters collection	Do	CFMG members	
7	Leaf mold /top soil	Do	CFMG members	
8	Mushroom logs	Do	Do	

8.2. Timber for rural use for CFMG members shall be allotted in standing trees and in log volume base on their choice

Rural house New construction				
Option	type of timber	Quantity	Type of house	Remarks
A	Standing trees	Drashing - 18 Nos	2    Stored	Once in 25 years
		Drashing – 9 Nos	1    Stored	Once in 25 years
B	Standing tree in Log volume	4000 cfts.	2 storied	Once in 25 years
		2000 cfts.	1 stored	
Rural House Renovation				
A	Standing trees	Drashing - 3 Nos		Once in 12    years
B	Standing tree in Log volume	700 cfts.		Once in 12    years
Others Rural Construction				
A	Standing trees	Drashing – 1		Once in 25 years
Firewood	Standing	2 trees		Once in a year
Fencing posts	Standing	50 nos. per member household		Once in a year
Flag poles	Standing	5 nos. per member household		Once in a year
Flag poles	Standing	108 nos. for member household		Per dead case maximum need to supply from state forest

Mushroom billet	1 meter length	As per demand	as and when require
Leaf litters/leaf mold and top soil		Any quantity for domestic use only	Not allowed to sell by individual

To avail the forest resources like offcuts/ bakal and lops and tops from community forest area following procedures should follow as

- Put application by applicants to CFMG committee with construction approval.
- Upon verification with permit holder, CFMG committee will allot.
- After that CFMG will issue permit for extraction and transportation till construction site.

## **10.Meetings**

The general meeting of the CFMG members shall be conducted once in a year. The first general meeting will be convened in the January month and the. All the members shall be present and the sum of Nu. 800/- shall be imposed as fine for any member failing to attend the meeting. If need be, the CFMG can convene more than two general meetings in a year. During the Ad-hoc meeting there is no specific months, can gather as an when required.

Similarly, the CFMC management committee meeting shall be held as and when require CFMG committee will meet twice in a year

The purposes of the meetings shall be to:

- Review the planned activities
- Discuss about the problems and constraints and find out solutions
- Deliberate on the status of the operation of the activities
- Discuss on the financial position of the CF
- Explore the funding sources
- Conduct election of the committee members if required

## **11. Conflict Resolution**

In the first instance, any conflict among the CFMG members shall be tackled by the CFMG committee and the CFMG members. The matter shall be forwarded to the Gewog Administration if the case is not being able to solve by the CFMG committee and the CFMG members.

The Gewog Administration shall forward the case to the Department of Forest and Park Service if the case remains unresolved at the Gewog level.

The Department of Forest and Park Services shall study the case and try to mitigate and solve the case through the support of Gewog Administration and CFMG Committee.

If the case is not solved at the DoFPS level, the matter shall be forwarded to the Royal Court of Justice for legal interventions which shall be final.

## 12. Amendments and Revision of CF Management Plan

The revision of the CF management plan will be carrying out as per the Forest and Nature Conservation Rules 2017. However, some few trips were set for more connivance as follows:

- 1 Coordinated by the Chairman of the Community Forest, the CFMG meeting shall be convened.
- 2 The CFMG shall inform the DoFPS.
- 3 The plan shall be amended by the CFMG only upon the endorsement of the proposed amendments by the DoFPS
- 4 The whole responsibility to study the need and accordingly apply for amendment of the plan is the duty of the CFMG.

## 13. Roles and Responsibilities of important stakeholders

Sl.No.	Stakeholder	Roles and Responsibilities	Remarks
1	Forest Field Office	Provide practical trainings and technical supports to the CFMG on overall implementation of the planned activities and record keeping.	
2.	Gewog Administration	To assist the CFMG on conflict resolution, and support Forest field office	
3	Territorial Division Office	To create awareness on the procedures on fine imposition, marking and silviculture system. To provide support/facilitate in the amendment of the management plan. To conduct study tour for the CFMG in the region Provide trainings for the CFMG Committee members	

## 14. Power of the Department

The Department of Forest has the Power as per the FNCR 2017 to monitor and take action to the overall activities of the community forest, if they are not aligned as per their Management Plan/ By Laws. In addition the Department of Forest is empowered to:

- Take action against violators of the Act, Rules or Management plan, regardless of whether requested by the CFMG or not.
- Inspect, monitor, review the records of and otherwise supervise the activities of the CFMG, and take action (including revocation of the CFMG certificate, where warranted under these Rules) against the CFMG or any of its members who may be acting in violation of the provisions of the Management plan or any provisions under this chapter.
- Establish record-keeping and financial reporting obligations.



**FOREST AND NATURE CONSERVATION RULES AND REGULATIONS OF  
BHUTAN, 2017**

**Annexure VI: Application to Establish Community Forests**

**ROYAL GOVERNMENT OF BHUTAN  
MINISTRY OF AGRICULTURE & FORESTS  
Department of Forests & Park Services**

**(Review)  
APPLICATION TO ESTABLISH COMMUNITY FOREST**

**PART A (To be filled by the applicant)**

The Gup,

In accordance with the Forest and Nature Conservation Rules and Regulations, 2017,  
I **Mr. Sechu** the Chairman of the Community Forest Management Group of **Tshochukha**  
villages consisting of **24** households, would like to submit this application for **Review**  
/establishment of Community Forest. (map attached)

a) Gewog: **Geney**

b) Description of the State Forest land proposed for establishment of Community Forest:

i) Name of the forest: **Domchoe Forest**

ii) Boundary description:

N: Menchu Forest

S: Domdey Chabsa

E: Dopsha

W: Haray Zamchey

iii) Estimated area: **72 (ha)**

iv) Forest type: **Mixed conifer and Oak Forest**

Signature: \_\_\_\_\_

Name of the CFMG Chairman: **Sechu**

Date: **04/11/2022**





Date: 03/10/2022.

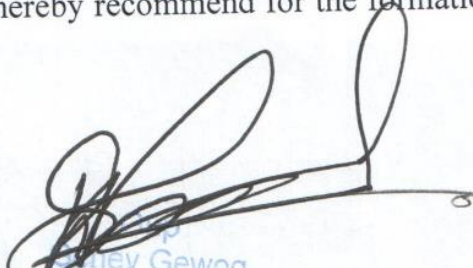
## Domchoe CFMGs List

Sl. No	Name (head of family)	CID	House Number	Thram No.	Signature	H.H No.
01	Ugyen Dema	11404000275	pha-4-01	100		140400034
02	Khandu	11404000286	pha-4-02	268		140400035
03	Dema	11404000304	pha-4-04	116		140400037
04	kencho Bidha	11404000312	pha-4-108	213		140400162
05	Nim Bidha	11404000331	pha-4-06	101		140400039
06	Ugyen	11404000362	pha-4-08	113		140400041
07	Tshewang Dem	11404000364	pha-4-09	109		140400042
08	Wangmo	11404000296	pha-4-303	111		140400036
09	Kencho Zam	11404000313	pha-4-05	108		140400038
10	Nim Wangmo	11404000352	pha-4-10	110		140400043
11	Kinley Wangmo	11404000394	pha-4-11	117		140400044
12	Pelden	11404000401	pha-4-12	58		140400045
13	Tashi Pelmo	11404000406	pha-4-13	102		140400046
14	Tsekym	11404000449	pha-4-75	192		140400051
15	Kencho Deki	11404000424	pha-4-15	115		140400048
16	Deki	11404000429	pha-4-16	112		11-49
17	Pem	11404000441	pha-4-17	196		11-50
18	kencho Zam	11404000347	pha-4-07	113		11-40
19	Tshering	11404000464	pha-4-77	204		11-53
20	Gyelmo	11404000428	pha-4-16	112		11-49
21	Tashi Zam	11404000415	pha-4-14	121		11-47
22	Kinley Chaki	11907000530	pha-4-129	229		140400124
23	Sangay	11404000321	pha-4-111/57	108		140400160
24	Kencho Dem	11404000455	pha-4-76	99		140400050
25						
26						
27						



# FOREST AND NATURE CONSERVATION RULES AND REGULATIONS OF BHUTAN, 2017

I have reviewed the application and hereby recommend for the formation of CF in the proposed area.



Kencho  
Geney Gewog  
Thimphu

Name and Signature of Gup: **Kencho**

Gewog: **Geney**

Date:

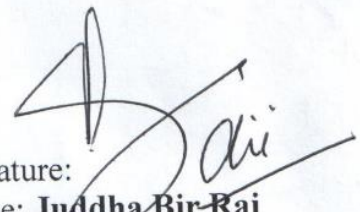
## **PART B** *(To be certified by Range Officer)*

We have evaluated the area applied for and the qualifications of the group to manage it according to the criteria established in the Forest and Nature Conservation Rules and Regulations of Bhutan, 2017. We **recommend**/do not recommend, the application for establishment of the Community Forest.

### **Justification for approval/rejection:**

1

2



Signature:  
Name: **Juddha Bir Rai**  
Name of Range: **Khasadrapchu**  
Date:

**FOREST AND NATURE CONSERVATION RULES AND REGULATIONS OF  
BHUTAN, 2017**

**PART C** *(To be certified by the CFO)*

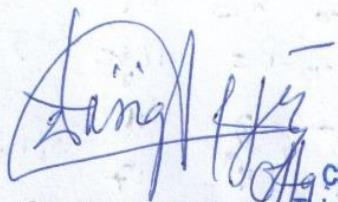
I have reviewed the application and I am satisfied/not satisfied, with the details provided in the application and the area is suitable/ unsuitable for Community Forest Management. I accept/do not accept the application for establishment of Community Forest.

Justification:

1

2

Signature:



Name of CFO: **Gyeltshen Dukpa**

Chief Forest Officer  
Thimphu Forest Division  
DoFPS, Thimphu

Division/Park: **Thimphu Forest Division**

Date: **8/11/2022**

Anexture 1: Name list of the Community Forest Management Group of Domche

Sl. No	Name of the household Representative	CID Card No.	House No.	Thram No.	Household No.	Signature
1	Ugyen Dema	11404000275	Pha-4-01	100	140400034	
2	Khandu	11404000286	Pha-4-02	268	140400035	
3	Dema	11404000304	Pha-4-04	116	140400037	
4	KenchoBidha	11404000312	Pha-4-108	213	140400162	
5	NimBidha	11404000331	Pha-4-06	101	140400039	
6	Ugyen	11404000362	Pha-4-08	113	140400041	
7	Tshewang Dema	11404000364	Pha-4-09	109	140400042	
8	Wangmo	11404000296	Pha-4-303	111	140400036	
9	Kinley Wangmo	11404000394	Pha-4-11	117	140400044	
10	KenchoZam	11404000313	Pha-4-05	108	140400038	
11	NimWangmo	11404000382	Pha-4-10	110	140400043	
12	Pelden	11404000401	Pha-4-12	58	140400045	
13	TashiPelmo	11404000406	Pha-4-13	102	140400046	
14	Tsekum	11404000449	Pha-4-75	192	140400051	
15	KenchoDeki	11404000424	Pha-4-15	115	140400048	
16	Deki	11404000429	Pha-4-16	112	140400049	
17	KenchoZam	11404000347	Pha-4-07	113	140400040	
18	Tshering	11404000464	Pha-4-77	204	140400053	
19	Gyelmo	11404000428	Pha-4-16	112	140400049	
20	TashiZam	11404000415	Pha-4-14	121	140400047	
21	Kinley Choki	11907000530	Pha-4-129	229	140400124	
22	Sangay	11404000321	Pha-4-nil/57	108	140400160	
23	Kencho Dem	11404000455	Pha-4-76	99	140400052	
24	Pem	11404000441	Pha-4- 17	196	140400050	



## ANNEX 2: CFMG NEW MEMBERSHIP APPLICATION FORM

To

The Chairperson

\_\_\_\_\_ CF

I would like to join your CF starting from \_\_\_\_\_. I hereby furnish my details as mentioned below:

### Part A: Applicant information

Name of Household representative: ..... CID No: .....

Village/Chiwog: ..... Gewog: .....

Gung No. : ..... Thram No. : .....

Details of timber availed from SRF

Standing form	Quantity (Nos.)	Year of allotment	Purpose for which timber was allotted	Remarks
Drashing				
Cham				
Tsim				
Log form (cft.)				

Date of submission: \_\_\_\_\_ Signature & Name of the Applicant \_\_\_\_\_

Affix legal stamp

The details given above are true to the best of my knowledge. From the date of joining as new member in the CFMG I shall abide with the CFMG by-laws.

**Part B: Endorsement by CF Management Committee** (The membership shall be accepted and registered after paying the membership fee and compensation, if any)

Signature & Date.....

Signature & Date

Signature & Date

Name .....

Name .....

Name.....

Official seal

Official Seal

Official Seal

Chairperson

Secretary

Treasurer

Copy to: Concerned Forestry Officer ..... Date of registration: ..... Serial No. ....

### ANNEX 3: CFMG MEMBERSHIP RESIGNATION APPLICATION FORM

To

The Chairperson

\_\_\_\_\_ CF

I would like to resign from the CFMG starting from \_\_\_\_\_. I hereby furnish my details as mentioned below:

#### Part A: To be filled by the Applicant

Name of Household representative: ..... CID No: .....

Village/Chiwog: .....Gewog: .....

Gung No: ..... Thram: .....

Reason of withdrawal from CF membership: .....

Details of timber availed from CF during my membership in CFMG is as follows:

Standing form	Quantity (Nos.)	Year of allotment	Purpose for which timber was allotted	Remarks
Drashing				
Cham				
Tsim				
Log form (cft.)				

Date of submission: \_\_\_\_\_

Signature & Name of the Applicant \_\_\_\_\_

#### Part B: To be filled up by CFMC members

Date of application received: .....

The details of the applicant and his/her reason of withdrawal from CFMG have been checked and found genuine and all the information provided is found to be correct.

We hereby recommend for resignation from CFMG membership of the applicant as per his request after clearing any dues with the CFMG.

Verified and approved by CF Management Committee:

Signature & Date.....

Name .....

Signature & Date

Name .....

Signature & Date

Name.....

Official seal

Chairperson

Official Seal

Secretary

Official Seal

Treasurer

Copy to: Concerned Forestry Officer ..... Date of resignation: ..... Serial No. ....

## ANNEX 4: APPLICATION FORM FOR FOREST PRODUCE FROM CF FOR RURAL USE

### Part A – To be filled in by the Applicant/member

- a. Name of applicant: .....
- b. Citizenship I.D. no: ..... c. Village: .....
- d. Gung No: ..... e. Thram No: .....
- f. Details of timber availed from SRF/CF If yes, please provide details of the timber allotted as follows:

Standing form	Quantity (Nos.)	Year of allotment	Purpose for which timber was allotted	Remarks
Drashing				
Cham				
Tsim				
Log form (cft.)				

### g. Details of following timber applied for the purpose

Products	Quantity (Nos.)	Volume (cft)	Remarks
Drashing			
Cham			
Tsim			
Dangchung/Flag			
Firewood			
Sand			
Stones			
NWFPs(specify)			
Others			

h. Purpose.....

**Note:** An applicant can avail timber as per the FNCRR, 2017 once in 25 years for new construction and 12 years for renovation which will be calculated from previous timber allotments from SRF/CF.

k. Copy of construction approval attached:

*I hereby certify that the details given above are true to the best of my knowledge. In case of any false or wrong information, I am liable to be penalized under the Forest & Nature Conservation Act 1995 and the Rules and Regulations made there under.*

Signature of applicant with legal stamp affixed

Date.....

**PART B: To be filled up by the CF Management Committee**

Construction approval no: ..... Date.....

We hereby certify that:

- i. We have verified the details of the applicant and found to be true and correct
- ii. Timber requirement is genuine
- iii. The details of the applicant and quantity of timber/other forest products applied for rural use have been verified with the records maintained by the CFMG and found to be correct.

We hereby Approve/Reject the application for allotting timber/other forest products to the applicant from CF Reasons for rejection:

.....  
.....  
.....  
.....  
.....  
.....

1. Name & Signature of Chairperson & Date

2. Name & Signature of Secretary & Date

3. Name & Signature of Treasurer & Date

## ANNEX 5: HANDING TAKING CHARGE NOTE FOR CFMG

I/we Mr. .... of  
Chairperson/Secretary/Treasurer, ..... Community Forest  
Management Group, ..... Gewog, ..... Dzongkhag after rendering  
..... years of service is resigning with the permission from CFMG members as decided or approved during the  
CFMG meeting conducted on ..... Therefore, the undersigned hereby handed over the complete  
charge of the ..... CF to new CF Management  
Committee members

(Chairperson/Secretary/Treasurer) on dated .....

The charge lists are as attached below:

### *i. CFMG fund status on handing taking over day*

1. Cash in hand (Nu.): .....
2. Bank balance (Nu.): .....
3. Loan (Nu.): .....
4. Total CFMG fund (Nu.): .....

### *ii. Record Keeping Books/Registers and files*

Sl. No.	List of books/register	Quantity	Used for year	Remarks

### *iii. List of Tools, Equipment & furniture*

Sl. No.	Detail of items	Quantity	Acquired/ from	Transferred	Remarks

### *iv. Others (mention if any)*

Handed over by

Taken Over By

In Presence of



Format 2. Quantitative Forest Resources Assessment – Tally Sheet												
Name of CF		Domche Tshocheykha					Date		24 to 25 November 20222			
Block		1					Canopy height		<5. <10, <20, <30, 30+			
Plot number /ID		1 to 48					Canopy closure		<10, <40, 40+			
Name of the Recorder		Chorten, Changana, Tashi Dorji and Dorji Wangchuk					T = suitable for Timber. N = Not suitable for Timber					
		DBH Class (Cm)										
Species (local name )	Suitability	< 10 cm Seedling	10 -19 cm Dangchung	20 -29cm Tshim	30 -39 cm Cham	40 -49 cm Drashing	50-59 cm Drashing	60-69 cm Drashing	70 -79 cm Drashing	80-89 cm	90 -99 cm	100 +cm
Spruce (Bashing )	T	97 nos.	27	27	15	5	5	8	5	6	3	
	N		1	2	5	1	3	1	1	2	Nil	
Oak (Jeeshing)	T	40 nos.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
	N		45	77	62	57	27	11	5	3	Nil	
Batula (Tapshing)	T	15 nos.	1	6	6	2	Nil	Nil	Nil	Nil		
	N		25	27	18	4	2	2	Nil	1		
Larch (Zaashing )	T	Nil	17	13	3	1	3	Nil	1	Nil		
	N		2	6	2	Nil	Nil	Nil	Nil	Nil		
Fir (Dungshing)	T	24 nos.	20	8	6	4	3	1	Nil	Nil		
	N		3	5	Nil	Nil	6	3	1	Nil		
Rhodo (Khem, Eto)	T	16 nos.	Nil	Nil	Nil	Nil						
	N		41	25	1	Nil						
Acer (Chalam)	T	Nil	Nil	Nil	Nil	Nil						
	N		11	5	5	4						
Blue pine (Tongphu)	T	12 nos.	Nil	Nil								
	N		Nil	Nil								
Hemlock (Seeshing )	T	2 nos.	1	Nil								
	N		Nil	Nil								
Popolus (Karshing)	T	Nil	Nil	Nil								
	N		4	1								
Total	T		66	54	30	12	10	9	6	6	3	
	N		132	148	93	66	39	17	7	6	0	
	% N		66.66 %	73.27%	75.60%	84.61%	79.59%	65.38%	53.84%	50%	0%	

STAND & STOCK TABLE SHEET 1 - NUMBER OF TREES														
1. Name of CF		Domche CF												
2. Species Group														
3. No of Plots		48												
4. Block Name		Domche												
5. estimated parameter		: Average Number of Trees per Ha						N Trees		(report all values to 2 decimals)				
Dbh class (cm)														
Species group	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120+	total	%
Spruce (Bashing)	0.42	0.83	2.08	0.42	1.25	0.42	0.42	0.83	0.00				6.67	3.14%
Fir (Abies densa)	1.25	2.08	0.00	0.00	2.50	1.25	0.42						7.50	3.53%
Larch (Zashing)	0.83	2.50	0.83										4.16	1.96%
total conifer	2.50	5.41	2.91	0.42	3.75	1.67	0.84	0.83	0.00	0.00	0.00	0.00	18.33	8.62%
Betula	10.42	11.25	7.50	1.67	0.83	0.83		0.00	0.00	0.00			32.50	15.29%
Populous	1.67	0.42			0.00	0.00	0.00	0.00	0.00	0.00			2.09	0.98%
Acer	4.58	2.08	2.08	1.67	0.00			0.00	0.00	0.00			10.41	4.90%
Rhodro	17.08	10.42	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00			27.92	13.13%
Oak (Bjishing)	18.75	32.08	25.83	23.75	12.08	4.58	2.08	1.25	0.00	0.00			119.15	56.04%
total broadleaf	52.50	56.25	38.05	27.09	12.91	5.41	2.08	0.00	0.00	0.00	0.00	0.00	194.29	91.38%
total all species	55.00	61.66	40.96	27.51	16.66	7.08	2.92	0.83	0.00	0.00	0.00	0.00	212.62	100.00%
%	0.26	0.29	0.19	0.13	0.08	0.03	0.01	0.00	0.00	0.00	0.00	0.00	100.00%	

# STAND & STOCK TABLE SHEET 1 - NUMBER OF TREES

1. Name of CF Domche CF

2. Species Group

3. No of Plots 48

4. Block Name Domche

5. estimated parameter : Average Number of Trees per Ha T Trees (report all values to 2 decimals)

*Dbh class (cm)*

Species group	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120+	total	%
Spruce (Bashing)	11.25	11.25	6.25	2.08	2.08	3.33	2.08	2.50	1.25				42.07	51.25%
Hemlock (Seshing)	0.42												0.42	0.51%
Fir (Abies Densa)	8.33	3.33	2.50	1.67	1.25	0.42							17.50	21.32%
Larch (Zashing)	7.08	5.42	1.25	0.42	1.25		0.42						15.84	19.30%
<b>total conifer</b>	<b>27.08</b>	<b>20.00</b>	<b>10.00</b>	<b>4.17</b>	<b>4.58</b>	<b>3.75</b>	<b>2.50</b>	<b>2.50</b>	<b>1.25</b>				<b>75.83</b>	<b>92.39%</b>
Betula	0.42	2.50	2.50	0.83									6.25	7.61%
<b>total broadleaf</b>	<b>0.42</b>	<b>2.50</b>	<b>2.50</b>	<b>0.83</b>									<b>6.25</b>	<b>7.61%</b>
<b>total all species</b>	<b>27.50</b>	<b>22.50</b>	<b>12.50</b>	<b>5.00</b>	<b>4.58</b>	<b>3.75</b>	<b>2.50</b>	<b>2.50</b>	<b>1.25</b>				<b>82.08</b>	<b>100.00%</b>
<b>%</b>	<b>0.34</b>	<b>0.27</b>	<b>0.15</b>	<b>0.06</b>	<b>0.06</b>	<b>0.05</b>	<b>0.03</b>	<b>0.03</b>	<b>0.02</b>				<b>100.00%</b>	

STAND & STOCK TABLE SHEET 2 - BASAL AREA														
1. Name of CF		Domche												
2. Species Group														
3. No of plots		48												
3. Name of Block														
4. estimated parameter		: Average Basal Area per Ha (m2/ha)							N Trees		(report all values to 2 decimals)			
Dbh class (cm)														
Species group	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120+	total	%
Spruce (Bashing)	0.01	0.04	0.19	0.07	0.29	0.14	0.18	0.47					1.39	6.82%
Larch (Zashing)	0.01	0.12	0.08										0.21	1.03%
Fir (Abies Densa)	0.02	0.10	0.00	0.00	0.58	0.41	0.18						1.29	6.33%
													0.00	0.00%
total conifer	0.04	0.26	0.27	0.07	0.87	0.55	0.36	0.47	0.00	0.00	0.00	0.00	2.89	14.17%
Betula	0.18	0.53	0.70	0.26	0.19	0.27							2.13	10.45%
Populous	0.03	0.02											0.05	0.25%
Acer	0.08	0.10	0.19	0.26									0.63	3.09%
Rhodrodendron	0.29	0.49	0.04										0.82	4.02%
Oak	0.32	1.51	2.40	3.71	2.82	1.50	0.91	0.70					13.87	68.02%
total broadleaf	0.90	2.65	3.33	4.23	3.01	1.77	0.91	0.70	0.00	0.00	0.00	0.00	17.50	85.83%
total all species	0.94	2.91	3.60	4.30	3.88	2.32	1.27	1.17	0.00	0.00	0.00	0.00	20.39	100.00%
%	0.05	0.14	0.18	0.21	0.19	0.11	0.06	0.06	0.00	0.00	0.00	0.00	100.00%	

STAND & STOCK TABLE SHEET 2 - BASAL AREA													
<b>1. Name of CF</b> Domche <b>2. Species Group</b> <b>3. No of plots</b> 48 <b>3. Name of Block</b> <b>4. estimated parameter</b> : Average Basal Area per Ha (m2/ha) <b>T</b> Trees (report all values to 2 decimals)													
Dbh class (cm)													
Species group	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120+	total %
Spruce (Bashing)	0.19	0.19	0.58	0.33	0.49	1.09	0.91	1.40	0.88				6.06 68.79%
Hemlock (Seshing)	0.01												0.01 0.11%
Fir (Abies Densa)	0.14	0.16	0.23	0.26	0.29	0.14							1.22 13.85%
Larch (Zashing)	0.12	0.25	0.12	0.07	0.29		0.18						1.03 11.69%
<b>total conifer</b>	<b>0.46</b>	<b>0.60</b>	<b>0.93</b>	<b>0.66</b>	<b>1.07</b>	<b>1.23</b>	<b>1.09</b>	<b>1.40</b>	<b>0.88</b>				<b>8.32 94.44%</b>
Betula	0.01	0.12	0.23	0.13									0.49 5.56%
<b>total broadleaf</b>	<b>0.01</b>	<b>0.12</b>	<b>0.23</b>	<b>0.13</b>									<b>0.49 5.56%</b>
<b>total all species</b>	<b>0.47</b>	<b>0.72</b>	<b>1.16</b>	<b>0.79</b>	<b>1.07</b>	<b>1.23</b>	<b>1.09</b>	<b>1.40</b>	<b>0.88</b>				<b>8.81 100.00%</b>
<b>%</b>	<b>0.05</b>	<b>0.08</b>	<b>0.13</b>	<b>0.09</b>	<b>0.12</b>	<b>0.14</b>	<b>0.12</b>	<b>0.16</b>	<b>0.10</b>				<b>100.00%</b>

STAND & STOCK TABLE SHEET 3 -							VOLUME							
1. Name of CF Domche														
2. Species Group														
3. No of plots 48														
3. Name of Block														
4. estimated parameter : Average Volume per Ha (m3/ha) T Trees (report all values to 2 decimals)														
Dbh class (cm)														
Species group	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120+	total	%
Spruce (Bashing)	1.07	3.93	5.17	3.30	5.54	13.67	12.38	20.55	13.71				79.32	75.65%
Hemlock (Seshing)	0.03												0.03	0.03%
Fir (Abies Densa)	1.19	1.48	2.36	2.77	3.26	1.59							12.65	12.06%
Larch (Zashing)	0.64	1.72	0.92	0.58	2.88		2.10						8.84	8.43%
#REF!														
#REF!														
total conifer	2.93	7.13	8.45	6.65	11.68	15.26	14.48	20.55	13.71				100.84	96.17%
Betula	0.04	0.84	1.93	1.21									4.02	3.83%
total broadleaf	0.04	0.84	1.93	1.21									4.02	3.83%
total all species	2.97	7.97	10.38	7.86	11.68	15.26	14.48	20.55	13.71				104.86	100.00%
%	0.03	0.08	0.10	0.07	0.11	0.15	0.14	0.20	0.13				100.00%	



STAND & STOCK TABLE SHEET 3 - VOLUME													
1. Name of CF Domche 2. Species Group 3. No of plots 48 3. Name of Block 4. estimated parameter : Average Volume per Ha (m3/ha) N Trees (report all values to 2 decimals)													
Dbh class (cm)													
Species group	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120+	total %
Spruce (Bashing)	0.04	0.29	1.72	0.66	3.33	1.71	2.48	6.85					17.08 8.17%
Larch (zashing)	0.08	0.80	0.62										1.50 0.72%
Fir (Abies Densa)	0.18	0.92	0.00	0.00	6.53	4.76	2.19	0.00					14.58 6.97%
<b>total conifer</b>	<b>0.30</b>	<b>2.01</b>	<b>2.34</b>	<b>0.66</b>	<b>9.86</b>	<b>6.47</b>	<b>4.67</b>	<b>6.85</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>33.16 15.86%</b>
Betula	0.99	3.76	5.80	2.42	2.00	3.04							18.01 8.61%
Populous	0.14	0.12											0.26 0.12%
Acer	0.52	0.70	1.44	1.98									4.64 2.22%
Rhodrodendron	1.27	2.66	0.24										4.17 1.99%
Oak	1.78	11.07	21.38	37.94	32.69	19.23	12.73	10.62					147.44 70.51%
<b>total broadleaf</b>	<b>4.70</b>	<b>18.31</b>	<b>30.28</b>	<b>42.34</b>	<b>34.69</b>	<b>22.27</b>	<b>12.73</b>	<b>10.62</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>175.94 84.14%</b>
<b>total all species</b>	<b>5.00</b>	<b>20.32</b>	<b>32.62</b>	<b>43.00</b>	<b>44.55</b>	<b>28.74</b>	<b>17.40</b>	<b>17.47</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>209.10 100.00%</b>
<b>%</b>	<b>0.02</b>	<b>0.10</b>	<b>0.16</b>	<b>0.21</b>	<b>0.21</b>	<b>0.14</b>	<b>0.08</b>	<b>0.08</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>100.00%</b>