

གསེང་མ་ཐྱུས་རྫོང་ཁུ་སྐོང་ཀ་ གྲོང་ཐེ་ནགས་ཚལ་གྱི་འཛིན་སྐྱོང་འཆར་གཞི།  
ཉམས་ལེན་བཞུགས་པའི་

འཆར་གཞི་དུས་ཡུན་ ༢༠༢༣ ལས་ ༢༠༣༣ ཚུན།

གསེང་མ་ཐྱུས་ ཐྱེ་འོག་ ཐུ་ཐེས་ཆེད་འོག་ གྲོང་གསར་རྫོང་ཁག།

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## SEMJEE NORBU LINGKA COMMUNITY FOREST MANAGEMENT PLAN

(1<sup>st</sup> REVISION)



**Plan period: (2023-2033)**

**Chiwog:** Bjee-Semjee

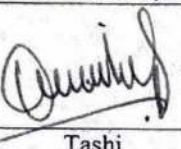
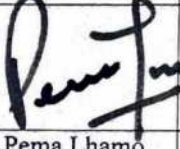
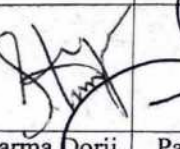

**Gewog:** Nubi

**Dzongkhag:** Trongsa

**APPROVAL SHEET**

<b>Name of Community Forest</b>	Semjee Norbu Lingkha
<b>Village</b>	Semjee
<b>Chiwog</b>	Bjee Semjee
<b>Gewog</b>	Nubi
<b>Dzongkhag</b>	Trongsa
<b>Production Area (Hectare/Acre)</b>	85.92/212.30
<b>Protection Area (Hectare/Acre)</b>	14.24/35.18
<b>Total Community Forest Area (Hectare/Acre)</b>	100.16/247.50
<b>Total CFMG member (No. of HH)</b>	19

**Prepared and Submitted for Approval**

	<b>Community Forest Management Group</b>	<b>Forestry Representative (CFMP Facilitators)</b>	<b>Gewog Administration</b>	<b>Social Forestry Section</b>	<b>Divisional/ Park Office</b>
<b>Signature</b>					
<b>Name</b>	Ugyen Sither	Tashi	Pema Lhamo	Karma Dorji	Pankey Dukpa
<b>Title</b>	Chairperson	Sr. Forest Ranger-I	Gup	Head	Chief Forestry Officer

**Reviewed and Submitted for Approval**

<b>Signature</b>		
<b>Name</b>	Tsheten Dorji	Sonam Tobgay
<b>Title</b>	Focal Officer	Chief Forestry Officer
<b>Division</b>	Forest Resource Planning Management Division	Forest Resource Planning Management Division

**APPROVED BY:**



**DIRECTOR  
DEPARTMENT OF FORESTS AND PARK SERVICES**

*Approved vide Note sheet No.DoFPS/FRPMD/FRPIS/CF\_1(b)/2022-2023/1184 on dated June 13, 2023*

## Acronyms

ac.:	Acres
AAC:	Annual Allowable Cut
BDBL:	Bhutan Development Bank Limited
CC:	Community Center
CF:	Community Forest
CFMG:	Community Forest Management Group
CFO:	Chief Forestry Officer
Cfts.:	Cubic feet (volume measurement)
Chiwog:	Village Hemlet
DFO:	Divisional Forest Office
DoFPS:	Department of Forests and Park Services
DOR:	Department of Road
FIRMS:	Forest Information and Resource Management System
FNCRR, 2017:	Forest and Nature Conservation Rules and Regulations, 2017
FRDD:	Forest Resources Development Division
Gup:	Locally elected leader
G2C:	Government to Citizen Service
ha.:	Hectares
m <sup>3</sup> :	Cubic meter (Volume measurement)
LULC:	Land Use Land Cover, 2016
NRPC:	Natural Resources Pricing Committee
SRFL:	State Reserved Forest Land
PES:	Payment for ecosystem Services
Tshogpa:	Representative of the CFMG in CF management committee

## **Executive Summary**

*This plan is revised Semjee Community Forest Management Plan for second term management by 19 households of Semjee village. The name of CF is changed from Senjee to **Semjee Norbu Lingka Community Forest**. One household resigned due to Guntong issue. The gross area of CF is **100.16 hectares** and production area is **85.92 hectares**. An additional block was extended with an objective to protect water source and explore opportunities to initiate Payment for Environmental Services for water services with Druk Willing Waterfall Cafeteria located in Bjee Zam. Community Forest consists two blocks named **Manidibung** and **Thangthrazur**.*

*Forest type of the CF varies from warm broadleaved to cool broadleaved forest with sporadic distribution of young blue pine stand. The basal area of Mandibung block is **28m<sup>2</sup>/ha** and **24.84m<sup>2</sup>/ha** in Thangthrazur block. The quantitative resource assessment was done using circular plot method by assigning 67 plots systematically.*

*The AAC of the CF is **4 drashings, 26 chams, 66 tsims, 63 dangchungs and 123 numbers of firewood**. CFMG faces deficits with drashing and cham sized timbers for new construction and renovation purposes that requires for allotment from SRFL of Chendebji or Bumthang areas.*

*Removal of unwanted shrubs, thinning, CF boundary clearing, firewood/poles harvesting and initiation of payment for environmental services-water services are some of the activities that CFMG shall implement during this management plan period. Loaning will be initiated as well from the CF fund.*

*CFMG requires record and booking keeping refresher's training urgently as most of the books are left unutilized during the first term management. Technical support by the forestry officials should be continued.*

*Mr. Tashi, Sr. Forest Ranger I working in Bumthang Division Headquarter facilitated for revision of this management plan.*



## PART A: MANAGEMENT PLAN

### Introduction

Semjee Norbu Lingka Community Forest is located adjacent to Semjee village which is 30 minutes' drive to North West of Trongsa main town. Semjee village is sparsely settled connected with farm road leading to Gagar, Karshong and Jongthang. Community Forest members generate income from sale of vegetables and dairy products in Trongsa town and also raise orchids through wilding process which they use during annual rituals.

This is the 1<sup>st</sup> revision of Community Forest Management Plan for implementation during next 10 years plan period by **19** households. The plan was revised based on the acceptance of Community Forest Management Group members to continue management for the second term during one of the consultation meetings conducted by Range Officer, Trongsa.

Community Forest had been extended to North West with separate block named as Mandibung. During this management term CF consists of two blocks namely Mandibung and Thanthrazur with a production area of **33.60 hectares** and **52.32 hectares** respectively.

Community Forest consists of cool broadleaved forest with few mixed blue pine stands in Thangthrazur block.

The AAC of CF is **1166 cfts** of timber trees and **4374 cfts** of firewood that is equivalent to 4 drashings, 26 chams, 66 tsims, 63 dangchungs and 123 numbers of firewood. CFMG faces annual timber shortage of 23 drashings and 14 chams. On the contrary, there are 63 numbers of firewood trees in excess that will be explored for marketing in future. There is no demand for tsim and dangchung category of timbers. The deficit timber for new construction and renovation from Chendebji, local area and Bumthang areas. The following are the management objectives of CF;

- *To improve forest condition and protect forest from over exploitation of forest resources by neighboring villages and outsiders*
- *Sustainable development and utilization of forest resources*
- *To ensure equitable distribution of forest resources amongst the Community Forest Management Group members*
- *To generate income*

Part A of this management plan contains management aspect of the CF and Part B contains the CF by-laws.

### **Review of past management plan**

The monitoring and evaluation of CF for the last ten years was carried out by Range Office, Trongsa and following are the summary of report.

#### *Financial status*

Community Forest Management Group built their fund from collection of annual fees, labor for plantations, fines from the absentees and sale of stones from the CF. The details of the fund status of CFMG is indicated in the following table;

<b>Total capital</b>	<b>Cash in hand</b>	<b>Bank balance</b>
120834.20	00.00	120834.20

#### *Activities carried out*

CFMG carried out the following activities during for better development of CF;

- Plantation in 4 acres by GBCL in 2018
- Boundary clearing of CF
- Conducted 10 annual meetings
- Patrolling carried out on monthly basis.

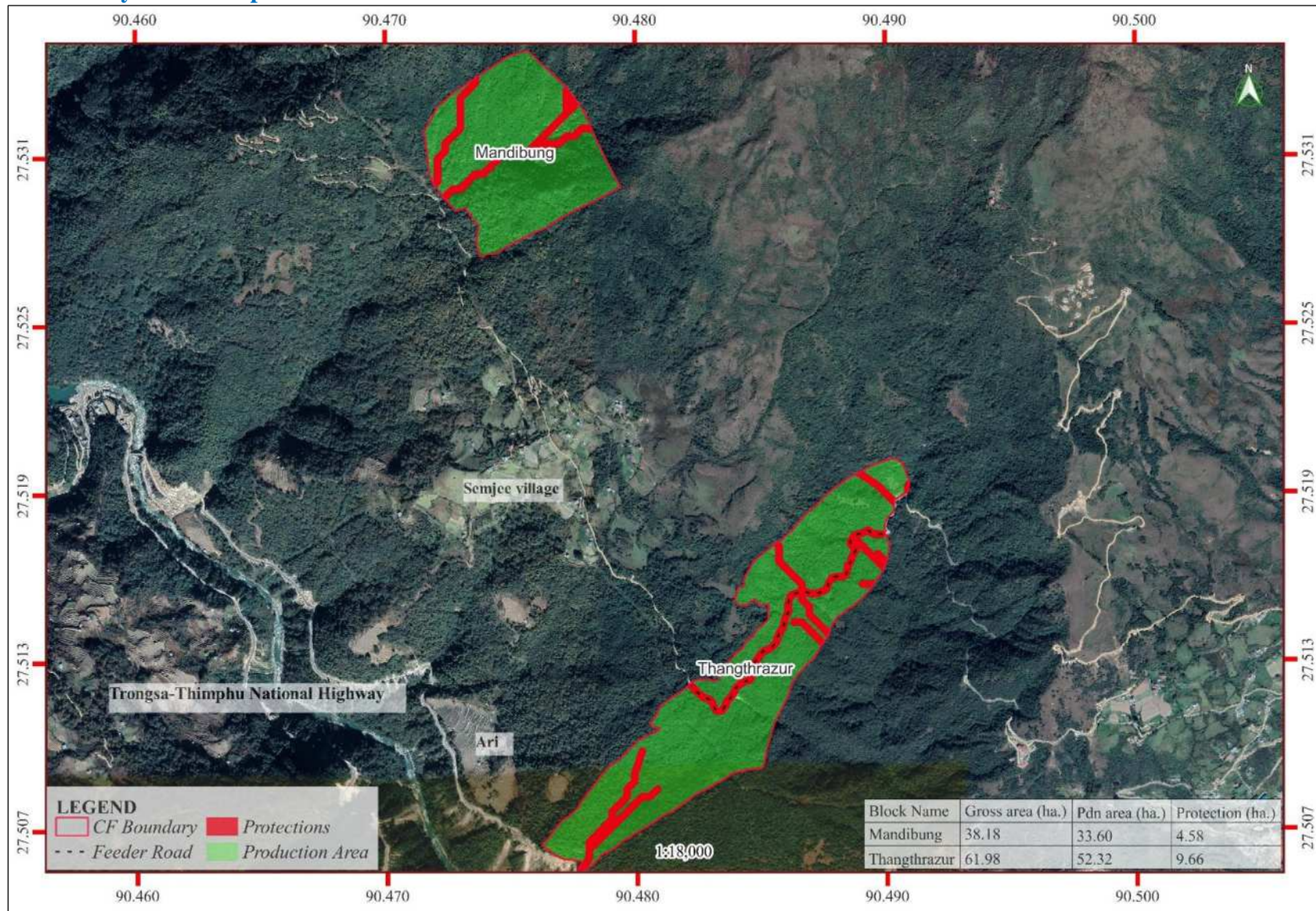
#### *Number of timber trees and other resources extracted*

CFMG protected the area during the first term management except they extracted 16 numbers cham-sized trees in 2022. They have availed firewood allotment from SRFL.

#### *Other benefits*

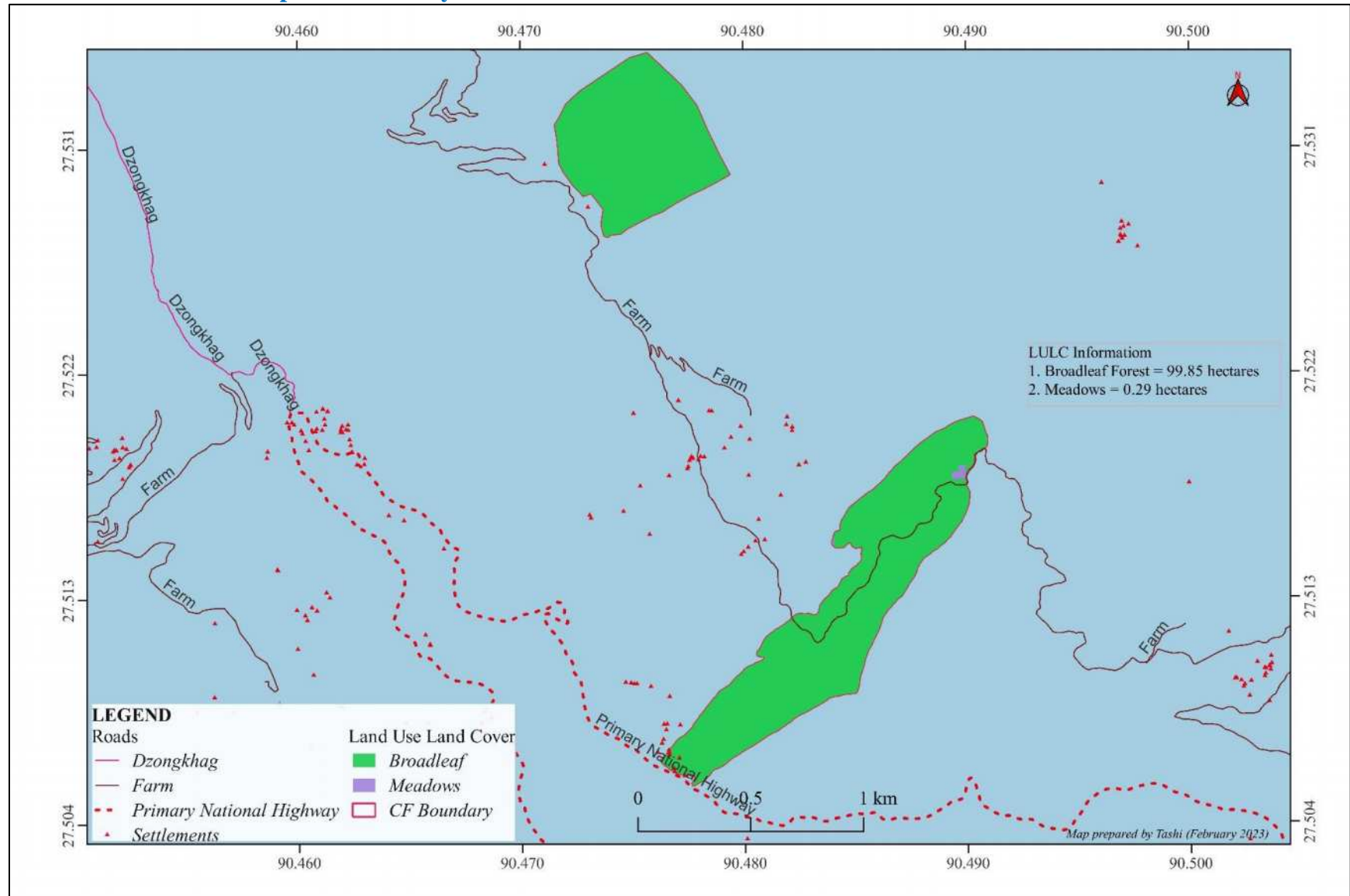
CFMG sold stones from feeder road widening and earned some income for the benefit of group.

## Community Forest Map





## Land use Land Cover Map of Community Forest





### Community Forest boundaries

Boundaries	Features
West	Jamay Aedo
East	Rugula Pokto
South	Rugula Brak-Trongsa Wangdue National Highway
North	Pushu Brangsa

### Planning Process

Date	Activities
11-12/08/2022	Consultations meeting conducted by Range Officer, Trongsa on the revision of CFs and their acceptance.
13-15/01/2023	Quantitative resource assessment
16-18/01/2023	CF management planning and by-law formulation.

### Social information

Name of the villages	Semjee
Ethnic groups with CFMG	Mangdep, Ngalo
Basic amenities	Electricity, green house, drinking water, irrigation, farm road, vegetable seeds, electric fencing, livestock, ORC, pasture land development, dairy shed
Total households (HH) number of CFMG	20
Population of CFMG	65
% male and % female	48 and 52
Main source of income	Vegetable, dairy products, off-farm business,
Cattle population of the CFMG	195
Main crops	Buckwheat, paddy, maize,
Cropping pattern	Potato>Paddy nursery>chilli nursery>vegetables>Maize>Chilli transplantation>paddy transplantation>Harvest maize>harvest paddy>buckwheat
Any other information	Fodder plantation (radish/fodder grass, turnip)

### Forest Information

CF consists of cool broadleaved forest with sparse distribution of Blue pine stand in Thangthazur block located above the Trongsa-Wangduephodrang national highway. The forest contains high numbers of dangchung sized trees with less numbers of drashing sized trees. The forest is dominated by oak species such as *Quercus lanata*, *Quercus griffithii*, *Castanopsis spp.*, and *Quercus glauca*.

### Mandibung Block

This block is identified as water source protection area. There are potentials to extract firewood from this block for the benefit of CFMG members residing nearby it. The block also caters

important ecological roles in water source conservation. The water is used for irrigation purpose and recreational water fall services managed by Druk Willing Waterfall Cafeteria at Bjeezam area.

Format 1. Preliminary Forest Resource Assessment Format	
Name of Community Forest	Semjee
Date of Assessment	13/1/2023
Name of block	Mandibung
Block area	38.18 ha. (gross) and 33.60 ha. (production)
Name of recorder	Tshering Chopel, Sr. Forester, Nubi Beat

a. Forest & Habitat Type (tick all those present)				
Forest <input checked="" type="checkbox"/>	Thicket/pole stage <input checked="" type="checkbox"/>	Shrubland <input type="checkbox"/>		
Grassland <input type="checkbox"/>	Plantation <input type="checkbox"/>	Other <input type="checkbox"/>		
Vegetation type				
Subtropical forest <input type="checkbox"/>	Chir pine forest <input type="checkbox"/>	Warm broadleaved forest <input type="checkbox"/>	Blue pine forest <input checked="" type="checkbox"/>	
Cool broadleaved forest <input checked="" type="checkbox"/>	Mixed conifer forest <input type="checkbox"/>	Fir forest <input type="checkbox"/>	Other <input type="checkbox"/>	

b. Forest Condition (complete if the block is mainly forest)	
Write the names of the 3 main tree species	
Local name	Scientific name
	<i>Quercus lanata</i>
Guma	<i>Quercus griffithii</i>
Takpashing	<i>Betula alnoides</i>
(i) Plantation	
Is there any Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Approximate height of planted trees (m)
Year planted	Is the plantation? Under stocked <input type="checkbox"/> Stocked <input type="checkbox"/> Overstocked <input type="checkbox"/>

(ii) Forest Condition -Age			
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

(iii) Forest Condition - Canopy density (main canopy)		
Dense <input type="checkbox"/> Canopy density > 70%	Open <input checked="" type="checkbox"/> Canopy density < 70%	Very open <input type="checkbox"/> No real canopy. Isolated trees only

(iv) Forest Condition – Regeneration (including coppice regrowth)		
Abundant <input type="checkbox"/> Regeneration easy to find in most places	Scattered/few <input checked="" type="checkbox"/> Regeneration only in some places and hard to find	None <input type="checkbox"/> No regeneration

Write the names of the 3 main tree species in the regeneration		
1) <i>Quercus griffithii</i>	2)	3)
Regeneration: Seedlings > 30cm and < 1.3m height		

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

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

Forest Condition Class Box				
Age	Canopy density	Regeneration & coppice	Seed tree class	Condition
Mature forest	Dense	Abundant		Very good
		Scattered/few		Good
	Open	Abundant		Good
		Scattered/few		Average
Pole stage forest	Dense	Abundant		Good
		Scattered/few		Average
	Open	Abundant		Average
		Scattered/few		Poor
Shrubland and young growth	Dense		Moderate or High	Average
	Dense		Low	Average
	Open		Low	Poor
Any	Very open	None		Poor

<b>c. Open spaces (complete if there are significant open spaces in the block)</b>	
Approximate total open space area (ha)	NO OPEN PLACES
Dominant vegetation type in the open space	
Cause of open space e.g. grazing, fire, harvesting, etc.	

<b>d. Grazing and fodder (complete if the forest block is used for grazing or fodder)</b>			
Grassland type			
Natural <input type="checkbox"/>	Man-made <input type="checkbox"/>	Mixture <input type="checkbox"/>	Predominantly forest <input checked="" type="checkbox"/>

Main fodder species being used ( <i>list 3 only</i> )	
Local name	Scientific name
NOT APPLICABLE	

Pasture quality (list the 3 dominant species in the grassland)		
Local name	Scientific name	Palatable/unpalatable
Use pattern	Seasonal <input type="checkbox"/>	All year <input type="checkbox"/>

Type of user	Migratory <input type="checkbox"/>	Local <input type="checkbox"/>	Both <input type="checkbox"/>
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e. Catchment Condition			
(i) Catchment condition – soil cover			
Soil cover		Soil cover class	
> 50% of the soils are covered by vegetation		high	<input checked="" type="checkbox"/>
25 - 50% of the soils are covered by vegetation		moderate	<input type="checkbox"/>
< 25% of the soils are covered by vegetation		low	<input type="checkbox"/>
(ii) Catchment Condition - Soil type and erosivity			
Soil type (colour, texture and type)			
Erosive <input checked="" type="checkbox"/> disperses and/or breaks up in water easily		Non-erosive <input type="checkbox"/> stable to water flow	
(iii) Catchment Condition - Slope			
Slope (degrees)	Slope steepness class		
<10°	Gentle <input type="checkbox"/>		
10° – 30°	Moderate <input type="checkbox"/>		
> 30°	Steep <input checked="" type="checkbox"/>		
Catchment Condition – Summary (Use the catchment condition class box below to get the average condition for the block)			
Less critical <input type="checkbox"/>		Moderately critical <input checked="" type="checkbox"/>	Highly critical <input type="checkbox"/>

Catchment Condition Class Box			
Slope category	Soil erosivity	Cover class	Condition class
Flat	Erosive	Moderate or high	Moderately critical
		Low	Highly critical
	Non erosive	any	Less critical
Moderate	Erosive	Moderate or high	Moderately critical
		Low	Highly critical
	Non erosive	Moderate or high	Less critical
		Low	Moderately critical
Steep	Erosive	Moderate or high	Moderately critical
		Low	Highly critical
	Non erosive	Moderate or high	Moderately critical
		Low	Highly critical

f. Fauna (List any animal or bird species seen or which are known from the block)	
Local Name	Scientific name
Wam	<i>Ursus thibetanus</i>
Tag	<i>Panthera tigris tigris</i>
Dhole	<i>Cuon alpinus</i>
Oriental Turtle Dove	<i>Streptopelia orientalis</i>
White-crested Laughingthrush	<i>Garrulax leucolophus</i>

g. Biotic Pressures (tick those present)			
Fire	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Grazing	Heavy <input type="checkbox"/>	Limited <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Shrub layer	Dense <input checked="" type="checkbox"/>	Moderate <input type="checkbox"/>	Absent <input type="checkbox"/>
Fodder collection (list main species used)	Common <input type="checkbox"/>	Limited <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
NWFP collection	Common <input type="checkbox"/>	Limited <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>

<b>g. Biotic Pressures (tick those present)</b>			
(list the main products including bamboo & cane)			
Leaf litter collection	Common <input type="checkbox"/>	Limited <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Encroachment	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Pole harvesting	Common <input type="checkbox"/>	Occasional <input checked="" type="checkbox"/>	Absent <input type="checkbox"/>
Fuelwood harvesting	Common <input type="checkbox"/>	Occasional <input checked="" type="checkbox"/>	Absent <input type="checkbox"/>
Timber harvesting	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Hunting	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>

**h. Management Options (list any potential management options (activities) for the block)**

1	Protect and preserve water catchment
2	Harvest firewood on sustainable basis

<b>Definitions</b>	
Broadleaf forest	75% or more of the tree species present are hardwoods
Conifer forest	75% or more of the tree species present are coniferous
Mixed forest	All other combinations of tree species
Mature Forest	Vegetation dominated by mature trees (trees > 40 cm dbh)
Thicket/pole stage	Vegetation > 3m in height consisting of young trees usually < 40cm dbh
Shrubs	Non-tree species > 2m in height (often thorny and multi-stemmed)
Shrub-land	Vegetation dominated by woody multi-stemmed plants or single stemmed plants and regeneration mostly < 3 m tall
Grassland	Vegetation dominated by grass species and where only a small part of the area is covered by trees or shrubs.
Crown cover	The percentage of the area covered by the crowns of trees forming the main canopy (usually mature trees)
Regeneration	Seedlings, saplings and coppice regrowth of naturally occurring tree species that are less than 1.3 metres tall but greater than 30cm tall
Seed trees	Mature trees with healthy crowns capable of producing flowers and seed
Soil Cover	The percentage of the area with soil surface covered either by live vegetation or a layer of other plant vegetation

*Thangthrazur Block*

This block contains firewood and few Blue pine trees for use by the CFMG members and it is also the source of leafmould collections.

**Format 1. Preliminary Forest Resource Assessment Format**

Name of Community Forest	Semjee
Date of Assessment	13-14/1/2023
Name of block	Thangthrazur
Block area	61.98 ha. (Gross) and 52.32 ha. (production)
Name of recorder	Tashi, Sr. Forest Ranger I, Division Headquarter

<b>a. Forest &amp; Habitat Type (tick all those present)</b>			
Forest <input checked="" type="checkbox"/>	Thicket/pole stage <input checked="" type="checkbox"/>	Shrubland <input type="checkbox"/>	
Grassland <input type="checkbox"/>	Plantation <input type="checkbox"/>	Other <input type="checkbox"/>	
Vegetation type			

Subtropical forest <input type="checkbox"/>	Chir pine forest <input type="checkbox"/>	Warm broadleaved forest <input type="checkbox"/>	Blue pine forest <input checked="" type="checkbox"/>	
Cool broadleaved forest <input checked="" type="checkbox"/>	Mixed conifer forest <input type="checkbox"/>	Fir forest <input type="checkbox"/>	Other <input type="checkbox"/>	

**b. Forest Condition (complete if the block is mainly forest)**

Write the names of the 3 main tree species

Local name	Scientific name
Guma	<i>Quercus griffithii</i>
	<i>Quercus lanata</i>
Dokseng	<i>Pinus wallichiana</i>

**(i) Plantation**

Is there any plantation? Yes <input type="checkbox"/> No <input type="checkbox"/>	Approximate height of planted trees (m)
Year planted	Is the plantation? Under stocked <input type="checkbox"/> Stocked <input type="checkbox"/> Overstocked <input type="checkbox"/>

**(ii) Forest Condition - Age**

Mature <input checked="" type="checkbox"/> Main canopy of mature trees	Pole stage <input type="checkbox"/> Main canopy of pole-stage trees	Shrubland <input type="checkbox"/> Main canopy of shrubs, young trees or regeneration	Any <input type="checkbox"/> No continuous canopy. Isolated trees only
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**(iii) Forest Condition - Canopy density (main canopy)**

Dense <input checked="" type="checkbox"/> Canopy density > 70%	Open <input type="checkbox"/> Canopy density < 70%	Very open <input type="checkbox"/> No real canopy. Isolated trees only
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**(iv) Forest Condition – Regeneration (including coppice regrowth)**

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

**(v) Forest Condition – Approximate density of seed trees**

High <input type="checkbox"/> > 50 seed trees per ha	Moderate <input checked="" type="checkbox"/> 10 - 50 seed trees per ha	Low <input type="checkbox"/> < 10 seed trees per ha
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**Block Condition – Summary**

Use the forest condition class box below to get an average condition for the block

Poor <input type="checkbox"/>	Average <input type="checkbox"/>	Good <input checked="" type="checkbox"/>	Very Good <input type="checkbox"/>
Does the main forest canopy consist of large, mature trees?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>



Forest Condition Class Box				
Age	Canopy density	Regeneration coppice	Seed tree class	Condition
Mature forest	Dense	Abundant		Very good
		Scattered/few		Good
	Open	Abundant		Good
		Scattered/few		Average
Pole stage forest	Dense	Abundant		Good
		Scattered/few		Average
	Open	Abundant		Average
		Scattered/few		Poor
Shrubland and young growth	Dense		Moderate or High	Average
	Dense		Low	Average
	Open		Low	Poor
Any	Very open	None		Poor

c. Open spaces (complete if there are significant open spaces in the block)	
Approximate total open space area (ha)	No open spaces
Dominant vegetation type in the open space	
Cause of open space e.g. grazing, fire, harvesting, etc.	

d. Grazing and fodder (complete if the forest block is used for grazing or fodder)			
Grassland type			
Natural <input type="checkbox"/>	Man-made <input type="checkbox"/>	Mixture <input type="checkbox"/>	Predominantly forest <input checked="" type="checkbox"/>

Main fodder species being used (list 3 only)	
Local name	Scientific name
	<i>Quercus semicarpifolia</i>

Pasture quality (list the 3 dominant species in the grassland)		
Local name	Scientific name	Palatable/unpalatable
No grassland		

Use pattern	Seasonal <input type="checkbox"/>	All year <input type="checkbox"/>
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Type of user	Migratory <input type="checkbox"/>	Local <input type="checkbox"/>	Both <input type="checkbox"/>
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e. Catchment Condition	
(i) Catchment condition – soil cover	
Soil cover	Soil cover class
> 50% of the soils are covered by vegetation	high <input checked="" type="checkbox"/>
25 - 50% of the soils are covered by vegetation	moderate <input type="checkbox"/>
< 25% of the soils are covered by vegetation	low <input type="checkbox"/>
(ii) Catchment Condition - Soil type and erosivity	
Soil type (colour, texture and type)	

Erosive disperses and/or breaks up in water easily	<input type="checkbox"/>	Non-erosive stable to water flow	<input checked="" type="checkbox"/>
(iii) Catchment Condition - Slope			
Slope (degrees)	Slope steepness class		
<10°	Gentle	<input type="checkbox"/>	
10° – 30°	Moderate	<input checked="" type="checkbox"/>	
> 30°	Steep	<input type="checkbox"/>	
Catchment Condition – Summary (Use the catchment condition class box below to get the average condition for the block)			
Less critical	<input type="checkbox"/>	Moderately critical	<input type="checkbox"/>
		Highly critical	<input type="checkbox"/>

Catchment Condition Class Box			
Slope category	Soil erosivity	Cover class	Condition class
Flat	Erosive	Moderate or high	Moderately critical
		Low	Highly critical
	Non erosive	any	Less critical
Moderate	Erosive	Moderate or high	Moderately critical
		Low	Highly critical
	Non erosive	Moderate or high	Less critical
		Low	Moderately critical
Steep	Erosive	Moderate or high	Moderately critical
		Low	Highly critical
	Non erosive	Moderate or high	Moderately critical
		Low	Highly critical

f. Fauna (List any animal or bird species seen or which are known from the block)	
Local Name	Scientific name
Wam	<i>Ursus thibetanus</i>
Tag	<i>Panthera tigris tigris</i>
Dhole	<i>Cuon alpinus</i>
Kawli	<i>Corvus macrorhynchos</i>
Oriental Turtle Dove	<i>Streptopelia orientalis</i>
Green-backed Tit	<i>Parus monticolus</i>

g. Biotic Pressures (tick those present)			
Fire	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Grazing	Heavy <input type="checkbox"/>	Limited <input checked="" type="checkbox"/>	Absent <input type="checkbox"/>
Shrub layer	Dense <input checked="" type="checkbox"/>	Moderate <input type="checkbox"/>	Absent <input type="checkbox"/>
Fodder collection (list main species used)	Common <input type="checkbox"/>	Limited <input checked="" type="checkbox"/> <i>Quercus semicarpifolia</i>	Absent <input type="checkbox"/>
NWFP collection (list the main products including bamboo & cane)	Common <input type="checkbox"/>	Limited <input checked="" type="checkbox"/> <i>Orchids</i>	Absent <input type="checkbox"/>
Leaf litter collection	Common <input checked="" type="checkbox"/>	Limited <input type="checkbox"/>	Absent <input type="checkbox"/>
Encroachment	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Pole harvesting	Common <input checked="" type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input type="checkbox"/>
Fuelwood harvesting	Common <input checked="" type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input type="checkbox"/>

<b>g. Biotic Pressures (tick those present)</b>			
Timber harvesting	Common <input type="checkbox"/>	Occasional <input checked="" type="checkbox"/>	Absent <input type="checkbox"/>
Hunting	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>

<b>h. Management Options (list any potential management options (activities) for the block)</b>	
1	Remove unwanted shrubs by thinning and pruning
2	Sustainable harvesting of firewood

<b>Definitions</b>	
Broadleaf forest	75% or more of the tree species present are hardwoods
Conifer forest	75% or more of the tree species present are coniferous
Mixed forest	All other combinations of tree species
Mature Forest	Vegetation dominated by mature trees (trees > 40 cm dbh)
Thicket/pole stage	Vegetation > 3m in height consisting of young trees usually < 40cm dbh
Shrubs	Non-tree species > 2m in height (often thorny and multi-stemmed)
Shrub-land	Vegetation dominated by woody multi-stemmed plants or single stemmed plants and regeneration mostly < 3 m tall
Grassland	Vegetation dominated by grass species and where only a small part of the area is covered by trees or shrubs.
Crown cover	The percentage of the area covered by the crowns of trees forming the main canopy (usually mature trees)
Regeneration	Seedlings, saplings and coppice regrowth of naturally occurring tree species that are less than 1.3 metres tall but greater than 30cm tall
Seed trees	Mature trees with healthy crowns capable of producing flowers and seed
Soil Cover	The percentage of the area with soil surface covered either by live vegetation or a layer of other plant vegetation



### Management procedures for Mandibung Block

1	<b>Produces/services</b>	<b>Firewood</b>	<b>Water</b>
2	Main species	<i>Oak species, Rhododendron species, Alnus nepalensis</i>	Mandur chhu
3	Problems	<ul style="list-style-type: none"> <li>• Inaccessibility issues</li> </ul>	<ul style="list-style-type: none"> <li>• No product diversifications</li> </ul>
4	Opportunities	<ul style="list-style-type: none"> <li>• Explore extraction by deploying tractor</li> <li>• Market excess firewood</li> </ul>	<ul style="list-style-type: none"> <li>• Explore Payment for Environmental Services scheme with Druk Willing Waterfall Cafeteria, Bjeezam</li> </ul>
5	Management objectives	<ul style="list-style-type: none"> <li>• Sustainable development and utilization of forest resources</li> </ul>	To generate income
6	Activities	<ul style="list-style-type: none"> <li>• Explore possibility for extraction deploying tractor</li> <li>• Construct power tiller tracks with minimum environmental damages.</li> </ul>	<ul style="list-style-type: none"> <li>• Consultation meeting</li> <li>• Environmental valuation exercises</li> <li>• Drawing agreement between the service provider and services receiver</li> <li>• Implement PES scheme activities as indicated in the agreement</li> </ul>
7	Procedures	<ul style="list-style-type: none"> <li>• Firewood shall be extracted from CF and explore marketing in future</li> <li>• Issue collection permit during the month of November</li> <li>• Marking shall be done during the month of November and CFMG should extract within 2 months from the date of marking</li> <li>• Strictly maintain stream buffers and avoid marking any type of trees to protect catchment and water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Request Range Officer, Trongsa Range for initiation of PES activities</li> <li>• Conduct consultation meeting with the owner of Druk Willing Waterfall Cafeteria.</li> <li>• PES consultation and initiation with support from the Department and process for environmental valuation of the water source submit the report for approval</li> <li>• Implement the activities reflected in the approved agreement.</li> </ul>
8	Responsibility	<ul style="list-style-type: none"> <li>• CF Chairperson and CFMG members with support from Beat Office</li> </ul>	<ul style="list-style-type: none"> <li>• Chairperson, Range Office</li> </ul>

### Management procedures for Thangthrazur Block

1	Produces/services	Timber (Drashing/Cham /Tsim)	Firewood	Poles
2	Main species	<i>Pinus wallichiana</i> and <i>Betula spp.</i>	<i>Oak species, Rhododendron species, Alnus nepalensis</i>	<i>Lyonia spp., Rhus spp., Quercus griffithii</i>
3	Problems	<ul style="list-style-type: none"> <li>• Insufficient timber</li> <li>• Small sized trees and in inaccessible areas</li> </ul>	<ul style="list-style-type: none"> <li>• Inaccessibility issues</li> </ul>	<ul style="list-style-type: none"> <li>• Overcrowded undesirable species</li> </ul>
4	Opportunities	<ul style="list-style-type: none"> <li>• Allot deficit timber from Chendebji or Bumthang area</li> <li>• Improve existing forest conditions</li> </ul>	<ul style="list-style-type: none"> <li>• Explore extraction by deploying tractor</li> <li>• Market excess firewood</li> </ul>	<ul style="list-style-type: none"> <li>• Remove undesirable species to encourage the growth of desired species.</li> </ul>
5	Management objectives	<ul style="list-style-type: none"> <li>• Sustainable development and utilization of forest resources</li> <li>• To improve forest condition and protect forest from over exploitation by neighboring villages and outsiders</li> </ul>	<ul style="list-style-type: none"> <li>• Sustainable development and utilization of forest resources</li> </ul>	To improve forest condition and protect forest from over exploitation by neighboring villages and outsiders
6	Activities	<ul style="list-style-type: none"> <li>• Cleaning and pruning the forest trees</li> <li>• Provide recommendation for timber shortage and need for allotment from the SRFL, Bumthang areas.</li> </ul>	<ul style="list-style-type: none"> <li>• Explore possibility for extraction deploying tractor</li> <li>• Construct power tiller tracks</li> </ul>	<ul style="list-style-type: none"> <li>• Cleaning and thinning</li> </ul>
7	Procedures	<ul style="list-style-type: none"> <li>• Identify areas for forest improvement activities</li> <li>• CF Chairperson shall authenticate the applicant for timber requirement to CFO or Range Officer</li> <li>• Timber for construction of cattle shed construction and fencing posts shall be met from CF within AAC.</li> <li>• Submit application through G2C at a convenient time for approval and marking.</li> </ul>	<ul style="list-style-type: none"> <li>• Firewood shall be extracted from CF and explore marketing in future</li> <li>• Issue collection permit during the month of November to the nearby household</li> <li>• Marking shall be done during the month of November and CFMG should extract within 2 months from the date of marking</li> </ul>	<ul style="list-style-type: none"> <li>• Discuss among the CFMG members and decide on what to remove, where and how much to remove.</li> <li>• Seek technical support from the Forestry personnel.</li> </ul>
8	Responsibility	<ul style="list-style-type: none"> <li>• Chairperson, application, CC focal</li> </ul>	<ul style="list-style-type: none"> <li>• CF Chairperson and CFMG members with support from Nubi Beat Office</li> </ul>	<ul style="list-style-type: none"> <li>• Chairperson and Forest Ranger</li> </ul>

### Annual Allowable Cut

AAC of CF and respective block has been calculated based on the result of quantitative resource assessments carried out using circular plot size of 12.63 radius. The AAC in cubic feet is tabulated in the following table;

Sl.#.	Name of the Block	AAC (Cfts)-Timber Trees	AAC (Cfts) -Firewood
1	Mandibung	202	1937
2	Thangthrazur	964	2437

The AAC is also converted into ‘numbers of trees’ to ease CFMG make decisions on allotment of timber and firewood to the applicants. The conversion was based on the ‘Royal on Forest Produce, 2006, conversion factor for converting number of trees or poles or firewood in CFT (*Adopted from progress reporting on the supply of timber*). The AAC in terms of ‘numbers of trees’ is presented in the following table;

Sl.#.	Name of the block	Category	Drashing	Cham	Tsim	Dangchung
1	Mandibung	Timber	1	7	18	11
		Non-timber	5	40	167	350
2	Thangthrazur	Timber	2	19	48	52
		Non-timber	11	67	182	262

It was learned from the above tabulations that, CFMG have no timber trees for construction and renovation of their house in future for which they will have to be allotted from the SRFL of Chendebji and Bumthang areas.

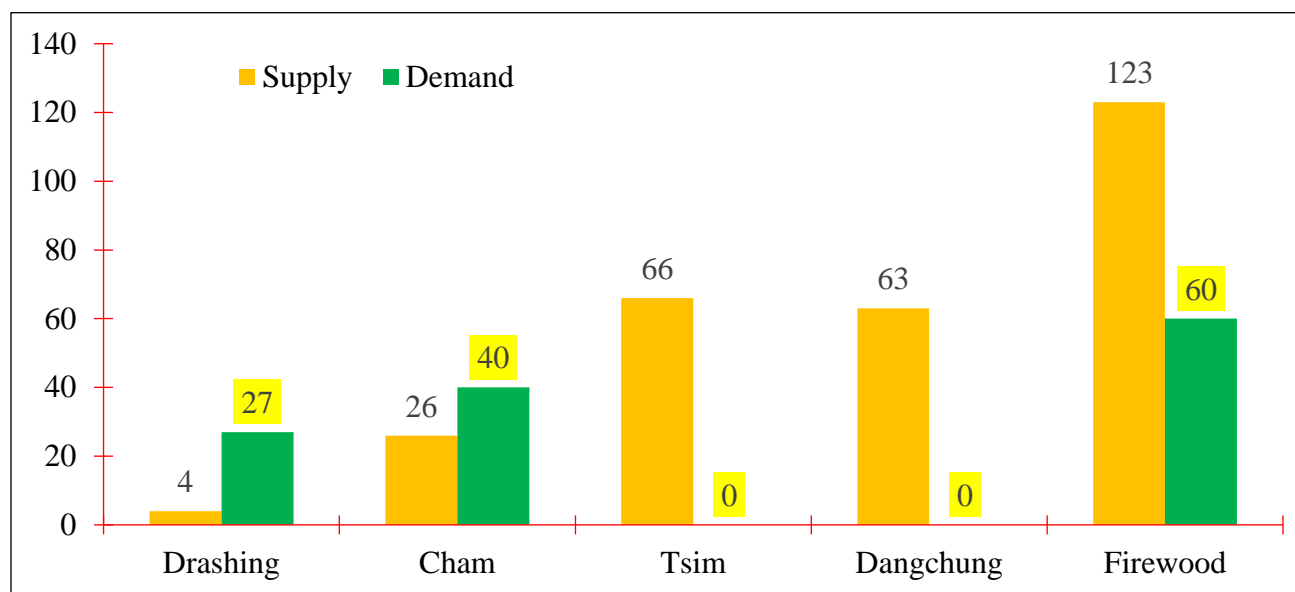
### Demand assessment for the forest resources

Produce	Annual estimated requirement		No. of hh requiring annually (C)	Total requirement of the produce annually		Total requirement of produce in 10 years	
	Number (A)	Vo. in cft (B)		Number	Vol. in cft	Number	Vol. in cft
New constructions							
Drashing	20	1412	0.8	16	1130	160	11299
Renovation							
Drashing	7	494	0.7	5	353	50	3531
Fencing Posts (Cham-sized)	2	28	20	40	565	400	5648
Cattle shed construction	3	212	2	6	424	60	4237
Flagpoles	29	102	3	87	307	870	3071
Firewood (Drashing & Cham-sized)	3	212	20	60	4237	600	42372



### Comparison of AAC and Annual Demand for forest resources

There are deficits of *Drashing* and *Cham*-sized timber with no demand for *Tsim* and *Dangchung*. CFMG shall meet the demand for fencing posts from *Cham*-sized timber available inside the CF as the electric fencing requires sawn fencing posts. Similarly, CFMG shall meet demand for firewood from the CF and also explore for marketing excess firewood trees (*Cham*-sized and *Drashing*-sized).



### Participatory environment assessment

Activity proposed in Semjee CF	Potential Environmental Effects				Potential Socio-Economic Effects			
	Soil	Water	Wild animals	Plants	Traditional forest use	Cultural and religious values	Local employment	Local benefits from forest produce
Timber harvesting	-	-	-	-	0	0	+++	+++
CF forest patrolling	++	+	+	+++	0	0	0	+++
Thinning	+++	0	0	+++	0	0	+	+++
CF boundary and bush clearing	0	0	0	++	0	0	0	0
Tractor track construction	-	-	0	-	0	-	+	+++
Initiation of PES activities	0	+++	++	++	0	++	0	+++

+++ Positive effect    - - - Negative effects    0 - No effect

### Procedures to address potential negative effects

Activity	Procedure
Timber harvesting	Felling directions should be considered so that regenerations and surrounding stands are not damaged. Silviculture considerations must be taken during tree marking. Avoid felling within 15 meters of streams and water sources and 15 meters uphill and 15 meters downhill of the farm road.
Tractor track construction	Obtain Environment Clearance from Dzongkhag Administration. Follow best practices of road constructions and avoid damages to water sources and the trees. Construct base wall and retention walls wherever necessary.

### Forest Produce Ranking

	Timber	Firewood	Poles	Water
Timber		Timber	Timber	Water
Firewood			Firewood	Water
Poles				Water
Water				

Score details: Water (3), Timber (2), Firewood (1), and Poles (0)

### Monitoring plans- Participatory forest resource impact monitoring

Activity	Indicator	How it will be monitored	Responsibility	Comments
Patrolling	<ul style="list-style-type: none"> <li>Number of patrolling conducted and offenders apprehended</li> </ul>	<ul style="list-style-type: none"> <li>Regular patrolling</li> </ul>	CFMG Secretary will make schedule of members on rotation basis	The patrol team will cover whole forest area
Thinning and cleaning	<ul style="list-style-type: none"> <li>Area thinned and quantity of cleaning works carried out.</li> </ul>	<ul style="list-style-type: none"> <li>Physical monitoring from DFO and Range Office</li> </ul>	Trongsa Forest Range Office in collaboration with CF Executive Committee	
Tracktor track construction	<ul style="list-style-type: none"> <li>Length of farm road constructed.</li> </ul>	<ul style="list-style-type: none"> <li>Physical observation and on-site measurements</li> </ul>	Trongsa Forest Range and Nubi Beat Office	Seek administrative and financial approvals from Gewog Administration in close consultation with Chiwog Tshogpa
Timber harvesting	<ul style="list-style-type: none"> <li>Number of trees, poles and firewood harvested</li> </ul>	<ul style="list-style-type: none"> <li>Collection permits</li> <li>Forest utilization register</li> </ul>	Nubi Beat Office and CFMG	Seek approvals from the Department if required.
CF boundary clearing	<ul style="list-style-type: none"> <li>Length of boundary cleared</li> </ul>	<ul style="list-style-type: none"> <li>Physical verification and labor contribution by the CFMG members</li> </ul>	CF committee management and Nubi Beat Office	Bumthang Forest Range to provide technical advises

### Monitoring plans- Participatory social and institutional impact monitoring

Activity	Indicator	How it will be monitored	Responsibility	Comments
CFMG general meeting	<ul style="list-style-type: none"> <li>• Number of participants in the meeting</li> </ul>	<ul style="list-style-type: none"> <li>• Review and CF record books</li> </ul>	CFMG executive and Trongsa Forest Range	Invite CFO & GT Chairperson during 5 <sup>th</sup> year and 9 <sup>th</sup> year monitoring and evaluation.
Book Keeping training	<ul style="list-style-type: none"> <li>• Number of trainings conducted.</li> <li>• Cross checking books of accounts</li> </ul>	<ul style="list-style-type: none"> <li>• Books of accounts</li> </ul>	Trongsa Range Office	Involve Trongsa Forest Range for monitoring
Resource sharing on equity basis	<ul style="list-style-type: none"> <li>• Resources allocated to needy member</li> </ul>	<ul style="list-style-type: none"> <li>• CF record books</li> </ul>	CFMG management committee	The deficit timber will be allotted from Bumthang area
CF Management Committee Meeting	<ul style="list-style-type: none"> <li>• Number of women attended the committee meetings</li> </ul>	<ul style="list-style-type: none"> <li>• CFMG record books</li> </ul>	CFMG	

### Monitoring plans- Participatory environmental impact monitoring

Possible negative impact	Indicator	How it will be monitored	Responsibility	Comments
Over exploitations of resources creating vast openings	<ul style="list-style-type: none"> <li>• Increased openings of forest</li> <li>• Status of regenerations</li> </ul>	<ul style="list-style-type: none"> <li>• Regeneration surveys should be conducted</li> </ul>	DFO, Site In-Charge and CFMG members	Regeneration survey methods adapted in FMUs shall be followed
Damages to regeneration and drainage systems while constructing	<ul style="list-style-type: none"> <li>• Damaged natural drainage systems</li> <li>• Number of Saplings damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Physical observation</li> <li>• Physical observation</li> </ul>	Trongsa Range Office	Dzongkhag Environment Officer to be invited if the damages are severe



## Annual Work Plan

Location	Activity	Year										Responsibility
		1	2	3	4	5	6	7	8	9	10	
Thangthrak Zur	Clearing of bushes and thinning											CFMG
Mandibung	CF boundary clearance (2m)											Beat Incharge and CFMG
Thangthrak Zur	CF boundary clearance (2m)											Beat Incharge and CFMG
Mandibung & Thangthrak Zur	Timber harvesting											Chairperson, applicant and Beat Incharge
Mandibung & Thangthrak Zur	Firewood harvesting											Chairperson, applicant and Beat Incharge
Thangthrak Zur	Construction of tractor track											CFMG and Chairperson
Mandibung	Initiate PES scheme											
	General meeting											
	Book keeping training											
	Silviculture training											

## Evaluation of management plan

Semjee CF management plan shall be evaluated jointly by a team from Divisional Forest Office during **last quarter of the 5<sup>th</sup> year** of the plan period and final evaluation and revision shall be done at the **last quarter of the 9<sup>th</sup> year** of the plan period.

Annual monitoring reports shall be conducted by Trongsa Range and Nubi Beat Office and submitted to Division for compilation and record. The usual entry into FIRMS shall be done by the Beat Office.

## **PART B: COMMUNITY FOREST MANAGEMENT GROUP BY-LAWS**

### **Name of the Community Forest**

CFMG have unanimously renamed Community Forest as ‘**Semjee Norbu Lingka Community Forest**’.

### **Membership Arrangements**

Any residents of Semjee village with *Thram* and *Gung* will be eligible to become Community Forest Management Group. In addition, following criteria should be considered for identifying CFMG membership;

- Only households of Semjee can become CFMG member
- Should attain 18 years of age
- No restriction of gender

During the management plan period, only 19 households shall manage CF.

### *New membership*

Any member can join the group with following terms and conditions;

- Require both *Gung* and *Thram*.
- Entry fees shall be based on the fund balance and labor contributed by the old members.

### *Resignation from the membership*

Any member wishing to resign shall submit application addressed to Chairperson of the CF. Chairperson shall in turn review and decide on the reasons of his/her resignation and approve accordingly. The benefit for the person resigning shall be given as follows;

- Member resignation due to unavoidable circumstances shall be given a share of 50% of the CF fund.
- Member resignation due to loss of interest shall be given 25% share of the CF fund.
- The resigned member shall not be allowed to join back the CFMG in future.

### **Membership Fees**

Members shall contribute Nu. 100/- per household per year as membership fees.

### **CF Management Committee Formation**

Committee shall compose of five members such as Chairperson, Secretary, Treasurer and two Forest Guards (*Ressups*).

### *Terms of references for Committee Members*

Following are the roles of committee members;

- Represent CFMG in its interactions with other agencies including the forestry officials.
- Responsible for the equitable distribution of benefits amongst CFMG members.
- Enforce by-laws of CFMG and collect fines and penalties.
- Establish and maintain the CFMG fund using monies collected from various sources.

- Organize and conduct CFMG meetings when required.
- Make decisions on withdrawal of monies from the Bank for genuine utilization and disbursement in the interest of CFMG.

#### *Terms and References for Chairperson*

- Heads the CFMG
- Call meetings whenever necessary and inform the concerned persons about its date, times and place with the reasons for the meeting.
- Chair and facilitate meetings and ensures that each person is allowed to speak, thereby providing everyone chance to speak and raise their issues for discussion and decisions.
- Approve applications of forest products along with Secretary.
- Countersign financial transaction and authorize to draw cash from the Bank Account.

#### *Terms of References for Secretary*

- Officiate Chairperson in his/her absence.
- Prepare and maintain minutes of meetings
- Maintain records of activities carried out by CFMG
- Take attendance register and maintain proper records on the members present and absent during the developmental works of CF.
- Manage correspondences of CFMG
- Prepare annual progress report and work plan and submit to the concerned Range Officers
- Countersign for withdrawal of CF fund with Chairperson and the Treasurer.

#### *Terms of References for Treasurer*

- Look after any financial transactions on behalf of the CFMG.
- Maintain records of expenditure and labor contribution during the CF activities
- Present financial status during the annual general meeting of the CFMG (income, expenditure and fund balance).
- Collect fees (entry, annual, forest resource collection, fines and penalties)
- Make payments (DSA to executive members, benefits to the members if resigns, and any other payments).

#### *Tenure of CF management Committee*

The tenure for Chairperson, Secretary and Treasurer shall be for Five years. However, *Resoop* shall serve for one year and it will be on rotation basis for which arrangements shall be decided by the Chairperson of the CFMG.

#### *Incentives for the CF management Committee*

Chairperson, Secretary and Treasurer while on official tour shall be incentivized nominal amount of Nu. 1000/- per day to meet the daily expenditure (food, lodge and transportation). If certain amount is provided from the government, the amount shall be adjusted accordingly.

The following persons will assume as the office bearers of the CFMG and their details are as follows;

Sl.#.	Name	Designation	Contact Number
1	Ugyen Sithar	Chairperson	17771991
2	Chimi Dhendup	Secretary	17685636
3	Kinley Dechen	Treasurer	77744334

### Roles and Responsibilities of CFMG members

- Follow the procedures and rules of the CFMG as outlined in the CF management plan and By-laws.
- Participate actively in CFMG planning and decision-making
- Elect CF management committee members
- CFMG have right to conduct auditing on the CF fund if found necessary
- Participate in drafting CF management plan and By-laws
- Participate in CF meetings and contribute labors for CF developmental activities.

### Fees

CFMG shall pay the following collection fees of forestry resources;

Type of Forest products	Fees (Nu.)	Remarks
Drashing	150/- per tree	
Cham	100/- per tree	
Tsim	25/- per tree	
Dangchung	15/- per tree	
Firewood	50/- per tree	Annual requirement and death cases
Flag poles	15/- per tree	Shall be allotted during death cases

### Offences in CF

Any persons whether CFMG member or outsiders, following fines/compensations shall be levied by the Management Committee;

Sl.#.	Products	Fines (Nu.)	Compensation
1	Illegal harvesting of timber and firewood	Nu. 100/- per cft on log/sawn volume as per the provision of section 416(1) of Forest and Nature Conservation Rules and Regulations, 2017. Any subsequent offence in CF may be dealt as per the provision of FNCRR, 2017, section 401, sub-section 1, 2 and 3.	As per prevailing NRPC rate.
2	Taking leafmould from CF	Nu. 500/- per head load	Nu. 500/- per head load

4	Illegal collection of sand and stones	Nu. 30/- per cft	As per FNCRR
7	Absent from CF developmental work	Nu. 700/- per day	
8	Absent from CF meetings	Nu. 100/- for 1-2 hour meeting and Nu. 500/- for whole day meeting	
12	Forest fire outbreak	As per prevailing FNCRR	
13	Poaching wildlife	As per prevailing FNCRR	

### **Management of CF Fund and Credit**

CFMG shall continue to maintain account with BDBL, Trongsa. Treasurer shall have right to keep cash amount not more than Nu. 10000/-. While withdrawing money from the bank, joint signatory of Chairperson and Treasurer shall be required.

CFMG shall develop fund from the following sources;

- Collection CF entry fees and annual fees
- Forest produce collection fees
- Individual contributions from the outsiders
- Sale of excess firewood

CFMG shall utilize the fund in following areas;

- Help for disadvantaged group school going children
- Provide refreshments during CF developmental works and meetings
- Incentives to CF committee members while on official tour
- Provide fund for performing annual rituals of the community
- Provide refreshments to the visitors
- Loans

However, the percent of fund utilization should be followed as per the provisions of CF manual book as reflected in page no. 64.

### ***Procedures for disbursing loans to the CFMG members***

CFMG shall explore opportunities to provide loans to the members from the fund. Loans shall be approved for the following purposes;

- Death cases
- Purchase of agriculture tools
- Purchase of fertilizers
- Supporting school going children



All formalities including the application for loans shall be followed as per the suggestions of forestry field manuals for Bhutan, Community Forest Manual, Third edition, 2018. The following conditions shall apply for approval of loan from the CF fund;

- Loan ceiling of not more than Nu. 30,000/-
- Interest rate of 7% per annum
- Suitable mortgage requirement shall be decided by the management committee
- Loan term not more than one year shall be approved
- Both interest and principal amount shall be repaid to the group after one year is complete
- If the repayment is delayed, the borrower must submit justification in writing to the committee member for which considerations without penalty will be made.
- Penalty amount of Nu. 15 per day shall be levied for the borrowers who have not justified sufficiently to the CFMG committee.

### Benefit Sharing Mechanisms

- CFMG shall share forest products and cash equally amongst them.
- The firewood shall be shared equally among the members on annual basis.
- The deficit timber for new construction and renovation of houses shall be requested from SRFL of Bumthang or Chendebji areas.
- During the disasters, CFMG shall help the victims with *Semsoo* to be secured from the CF fund. They will also make sure to rebuilt temporary shed to the victim.
- The resource sharing (timber/firewood) shall not be allotted on ‘**quota system**’ rather do so on need based to ensure equitable distribution of resources.
- CFMG shall not share cash from the accumulated fund unless required under unavoidable circumstances. However, in such cases approval from CFO shall be required.
- Timber allotted to CFMG member shall not be allowed for commercial purposes.
- Contribution for the welfare of disadvantaged member of CFMG shall be made on situation of need and requirement.
- The quantity of timber shall not exceed AAC and shall be allotted based on genuineness of requirement.

### Meetings

CFMG shall conduct two types of meetings viz. general and committee meetings.

#### General meeting

The meeting shall be conducted once in a year during the month of November where annual monitoring shall be carried out in parallel. During the meeting following activities and discussions shall be done;

- Present account of CF fund by treasurer
- Issue collection permits
- Collect annual fees from the members
- Collect absentee fines (meeting and work)
- Prepare annual progress report and work plan for the upcoming year

- Discuss on source fund from the relevant donors or Gewog Administration
- Discuss any issues and problems related to the administration of CFMG

#### *Committee meeting*

The committee meetings shall be conducting twice a year in order to approve annual timber/firewood applications. However, the meetings shall be conducted on need basis or urgency of work. The Committee shall discuss on the welfare of CFMG and explore possible solutions to address issues and problems raised by the CFMG members.

#### **Conflict management**

The disputes within the CFMG and outsiders shall be settled by Chairperson. If the case is unable to settle by the Chairperson, it shall be forwarded to Gup and if it escalates, the case shall be forwarded to Range Officer/Chief Forestry Officer and then to District Court for final settlement.

#### **Amendment of CFM plan**

The CFMG shall seek the approval with written application addressed to CFO, Bumthang Division or Director, DoFPS for the amendment of the CFM plan/by-laws. The proposed amendment of CFM plan/by-laws should be supported by minutes of general meeting of CFMG duly signed thereof.

#### **Power of the Department**

Department is fully empowered to take action with regard to both forestry and other developmental activities in part or whole of the Community Forests. In addition, the Department is specifically empowered to:

- i. Take action against violators of the Act, Rules or Management Plan, regardless of whether requested by the CFMG or not.
- ii. Inspect, monitor, review the records and otherwise supervise the activities of the CFMG, and take action (including cancellation/suspension of the CFMG's 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 of the FNCRR, 2017.
- iii. Cancellation/suspension/reinstatement of CF Certificates shall be dealt as per the provisions of FNCRR, 2017 (Section 102, 103, 104, 105(1&2), 106 & 107 (1, 2 &3)).

\*\*\*

## ANNEXES

### *Annex 1: CF application and the members*

<b>Sl.#.</b>	<b>Name</b>	<b>Gung no.</b>	<b>Thram no.</b>
1	Phuntsho	TSA-1-147	950
2	Sumcho (Lhajay)	TSA-1-89	119
3	Dawa Penjor	TSA-1-101	06
4	Jurmi Dorji	TSA-1-165	118
5	Nakphela	TSA-1-370	733
6	Lham Tshering	TSA-1-Nill/	1210
7	Kuchumo	TSA-1-98	46
8	Kinzang	TSA-1-82	60
9	Phub Lhamo (Pema Lhamo)	TSA-1-83	672
10	Tandin Bidha	TSA-1-96	734
11	Tsumpi Mo	TSA-1-87	37
12	Dorji Wangmo	TSA-1-81	05
13	Tsagay Chungwa	TSA-1-97	57
14	Singye	TSA-1-153	136
15	Dechen	TSA-1-93	55
16	Leki Wangmo (Kezang)	TSA-1-88	38
17	Pema Zangmo	TSA-1-65	94
18	Tshering Yangden	TSA-1-91	85
19	Pema Wangchuk	TSA-1-343	07

*Annex 2: CF boundary GPS Coordinates*

<b>Boundaries</b>	<b>Features</b>	<b>Northing</b>	<b>Easting</b>
West	Jamay Aedo	27.531546°	90.471342°
East	Rugula Pokto	27.518732°	90.490907°
South	Rugula Brak-Trongsä Wangdue National Highway	27.505679°	90.477713°
North	Pushu Brangsa	27.534857°	90.475700°

*Annex 3: CF sample plot GPS coordinates*

<b>Plot ID</b>	<b>Northing</b>	<b>Easting</b>
1	27.50955	90.47986
2	27.50955	90.48107
3	27.50954	90.48228
4	27.50847	90.47864
5	27.50847	90.47985
6	27.50846	90.48106
7	27.50846	90.48228
8	27.50739	90.47742
9	27.50739	90.47863
10	27.50738	90.47985
11	27.50631	90.47741
12	27.50631	90.47863
13	27.53373	90.47399
14	27.53372	90.47521
15	27.53372	90.47642
16	27.53265	90.47277
17	27.53265	90.47399
18	27.53264	90.47520
19	27.53264	90.47642
20	27.53263	90.47763
21	27.53157	90.47277
22	27.53156	90.47398
23	27.53156	90.47520
24	27.53155	90.47641
25	27.53155	90.47763
26	27.53048	90.47277
27	27.53048	90.47398
28	27.53048	90.47519
29	27.53047	90.47641
30	27.53047	90.47762
31	27.53046	90.47884
32	27.52940	90.47276
33	27.52940	90.47398

<b>Plot ID</b>	<b>Northing</b>	<b>Easting</b>
34	27.52939	90.47519
35	27.52939	90.47640
36	27.52938	90.47762
37	27.52831	90.47397
38	27.52831	90.47519
39	27.51960	90.48972
40	27.51852	90.48729
41	27.51852	90.48850
42	27.51851	90.48972
43	27.51744	90.48607
44	27.51744	90.48728
45	27.51743	90.48850
46	27.51636	90.48485
47	27.51636	90.48607
48	27.51636	90.48728
49	27.51635	90.48849
50	27.51635	90.48971
51	27.51528	90.48485
52	27.51527	90.48728
53	27.51527	90.48849
54	27.51419	90.48606
55	27.51419	90.48727
56	27.51311	90.48605
57	27.51204	90.48240
58	27.51204	90.48362
59	27.51203	90.48483
60	27.51203	90.48605
61	27.51096	90.48118
62	27.51096	90.48240
63	27.51095	90.48361
64	27.51095	90.48483
65	27.50987	90.48361
66	27.50987	90.48482
67	27.50918	90.48417

Annex 4: Compilation Sheets- Timber trees

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
1. CF Name		Semjee			4. Block Area		38.18	Hectares
2. Block Name		Mandibung			5. Compiling date		16/01/2023	
3. No of plots		26			6. Species group		Other BL (Central)	
col1	col2	col3	col4	col5	col6	col7	col8	col9
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.078	0.050	0.769	22	16.92	0.29	1.32
20-29	0.047	0.287	0.050	0.769	17	13.08	0.61	3.75
30-39	0.093	0.687	0.050	0.769	7	5.38	0.50	3.70
40-49	0.156	1.323	0.050	0.769	0	0.00	0.00	0.00
50-59	0.233	2.236	0.050	0.769	0	0.00	0.00	0.00
60-69	0.327	3.462	0.050	0.769	0	0.00	0.00	0.00
70-79	0.436	5.037	0.050	0.769	0	0.00	0.00	0.00
80-89	0.561	6.993	0.050	0.769	0	0.00	0.00	0.00
90-99	0.701	9.361	0.050	0.769	0	0.00	0.00	0.00
100-109	0.857	12.171	0.050	0.769	0	0.00	0.00	0.00

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
1. CF Name	Semjee	4. Block Area				38.18	Hectares	
2. Block Name	Mandibung	5. Compiling date				16/01/2023		
3. No of plots	26	6. Species group				Betula		
<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.096	0.050	0.769	1	0.77	0.01	0.07
20-29	0.047	0.335	0.050	0.769	2	1.54	0.07	0.52
30-39	0.093	0.773	0.050	0.769	1	0.77	0.07	0.59
40-49	0.156	1.449	0.050	0.769	1	0.77	0.12	1.11
50-59	0.233	2.396	0.050	0.769	1	0.77	0.18	1.84
60-69	0.327	3.643	0.050	0.769	0	0.00	0.00	0.00
70-79	0.436	5.218	0.050	0.769	0	0.00	0.00	0.00
80-89	0.561	7.145	0.050	0.769	0	0.00	0.00	0.00
90-99	0.701	9.448	0.050	0.769	0	0.00	0.00	0.00
100-109	0.857	12.150	0.050	0.769		0.00	0.00	0.00



# **OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)**

1. CF Name	Semjee	4. Block Area	38.18	Hectares
2. Block Name	Mandibung	5. Compiling date	16/01/2023	
3. No of plots	26	6. Species group	Oak (Central)	

<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.095	0.050	0.769	0	0.00	0.00	0.00
20-29	0.047	0.340	0.050	0.769	6	4.62	0.22	1.57
30-39	0.093	0.796	0.050	0.769	5	3.85	0.36	3.06
40-49	0.156	1.505	0.050	0.769	1	0.77	0.12	1.16
50-59	0.233	2.508	0.050	0.769	0	0.00	0.00	0.00
60-69	0.327	3.837	0.050	0.769	0	0.00	0.00	0.00
70-79	0.436	5.526	0.050	0.769	0	0.00	0.00	0.00
80-89	0.561	7.603	0.050	0.769	0	0.00	0.00	0.00
90-99	0.701	10.096	0.050	0.769	0	0.00	0.00	0.00
100-109	0.857	13.033	0.050	0.769	0	0.00	0.00	0.00

# **OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)**

1. CF Name		Semjee				4. Block Area		60.86	Hectares
2. Block Name		Thangthrazur				5. Compiling date		16/01/2023	
3. No of plots		41				6. Species group		Bluepine	
<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>	
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)	
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)	
10-19	0.017	0.096	0.050	0.488	26	12.68	0.22	1.21	
20-29	0.047	0.349	0.050	0.488	21	10.24	0.48	3.58	
30-39	0.093	0.828	0.050	0.488	14	6.83	0.64	5.65	
40-49	0.156	1.583	0.050	0.488	5	2.44	0.38	3.86	
50-59	0.233	2.660	0.050	0.488	0	0.00	0.00	0.00	
60-69	0.327	4.100	0.050	0.488	1	0.49	0.16	2.00	
70-79	0.436	5.941	0.050	0.488	0	0.00	0.00	0.00	
80-89	0.561	8.218	0.050	0.488	0	0.00	0.00	0.00	
90-99	0.701	10.967	0.050	0.488	0	0.00	0.00	0.00	

# **OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)**

1. CF Name		Semjee			4. Block Area		60.86	Hectares
2. Block Name		Thangthrazur			5. Compiling date		16/01/2023	
3. No of plots		41			6. Species group		Other BL (Central)	
<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.078	0.050	0.488	21	10.24	0.17	0.80
20-29	0.047	0.287	0.050	0.488	2	0.98	0.05	0.28
30-39	0.093	0.687	0.050	0.488	3	1.46	0.14	1.00
40-49	0.156	1.323	0.050	0.488	0	0.00	0.00	0.00
50-59	0.233	2.236	0.050	0.488	0	0.00	0.00	0.00
60-69	0.327	3.462	0.050	0.488	0	0.00	0.00	0.00
70-79	0.436	5.037	0.050	0.488	0	0.00	0.00	0.00
80-89	0.561	6.993	0.050	0.488	0	0.00	0.00	0.00
90-99	0.701	9.361	0.050	0.488	0	0.00	0.00	0.00
100-109	0.857	12.171	0.050	0.488	0	0.00	0.00	0.00

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
1. CF Name		Semjee			4. Block Area		60.86	Hectares
2. Block Name		Thangthrazur			5. Compiling date		16/01/2023	
3. No of plots		41			6. Species group		Other BL (Central)	
col1	col2	col3	col4	col5	col6	col7	col8	col9
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.095	0.050	0.488	58	28.29	0.48	2.69
20-29	0.047	0.340	0.050	0.488	39	19.02	0.89	6.47
30-39	0.093	0.796	0.050	0.488	18	8.78	0.82	6.99
40-49	0.156	1.505	0.050	0.488	9	4.39	0.68	6.61
50-59	0.233	2.508	0.050	0.488	1	0.49	0.11	1.22
60-69	0.327	3.837	0.050	0.488	0	0.00	0.00	0.00
70-79	0.436	5.526	0.050	0.488	0	0.00	0.00	0.00
80-89	0.561	7.603	0.050	0.488	0	0.00	0.00	0.00
90-99	0.701	10.096	0.050	0.488	0	0.00	0.00	0.00
100-109	0.857	13.033	0.050	0.488	0	0.00	0.00	0.00

Annex 4: Compilation sheets –Non-timber trees

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
1. CF Name		Semjee			4. Block Area		38.18	Hectares
2. Block Name		Mandibung			5. Compiling date		16/01/2023	
3. No of plots		26			6. Species group		Other BL (Central)	
col1	col2	col3	col4	col5	col6	col7	col8	col9
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.078	0.050	0.769	175	134.62	2.29	10.50
20-29	0.047	0.287	0.050	0.769	20	15.38	0.72	4.42
30-39	0.093	0.687	0.050	0.769	0	0.00	0.00	0.00
40-49	0.156	1.323	0.050	0.769	0	0.00	0.00	0.00
50-59	0.233	2.236	0.050	0.769	0	0.00	0.00	0.00
60-69	0.327	3.462	0.050	0.769	0	0.00	0.00	0.00
70-79	0.436	5.037	0.050	0.769	0	0.00	0.00	0.00
80-89	0.561	6.993	0.050	0.769	0	0.00	0.00	0.00
90-99	0.701	9.361	0.050	0.769	0	0.00	0.00	0.00
100-109	0.857	12.171	0.050	0.769	0	0.00	0.00	0.00

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
1. CF Name		Semjee			4. Block Area		38.18	Hectares
2. Block Name		Mandibung			5. Compiling date		16/01/2023	
3. No of plots		26			6. Species group		Oak Spp. (Central)	
col1	col2	col3	col4	col5	col6	col7	col8	col9
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.095	0.050	0.769	272	209.23	3.56	19.88
20-29	0.047	0.340	0.050	0.769	168	129.23	6.07	43.94
30-39	0.093	0.796	0.050	0.769	59	45.38	4.22	36.13
40-49	0.156	1.505	0.050	0.769	16	12.31	1.92	18.52
50-59	0.233	2.508	0.050	0.769	3	2.31	0.54	5.79
60-69	0.327	3.837	0.050	0.769	2	1.54	0.50	5.90
70-79	0.436	5.526	0.050	0.769	0	0.00	0.00	0.00
80-89	0.561	7.603	0.050	0.769	0	0.00	0.00	0.00
90-99	0.701	10.096	0.050	0.769	0	0.00	0.00	0.00
100-109	0.857	13.033	0.050	0.769	1	0.77	0.66	10.03



OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
1. CF Name	Semjee	4. Block Area				38.18	Hectares	
2. Block Name	Mandibung	5. Compiling date				16/01/2023		
3. No of plots	26	6. Species group				Rhododendron spp.		
<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.074	0.050	0.769	263	202.31	3.44	14.97
20-29	0.047	0.255	0.050	0.769	32	24.62	1.16	6.28
30-39	0.093	0.579	0.050	0.769	5	3.85	0.36	2.23
40-49	0.156	1.072	0.050	0.769	0	0.00	0.00	0.00
50-59	0.233	1.755	0.050	0.769	0	0.00	0.00	0.00
60-69	0.327	2.646	0.050	0.769	0	0.00	0.00	0.00
70-79	0.436	3.762	0.050	0.769	0	0.00	0.00	0.00
80-89	0.561	5.119	0.050	0.769	0	0.00	0.00	0.00
90-99	0.701	6.731	0.050	0.769	0	0.00	0.00	0.00

# **OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)**

1. CF Name	Semjee	4. Block Area	38.18	Hectares
2. Block Name	Mandibung	5. Compiling date	16/01/2023	
3. No of plots	26	6. Species group	Betula	

<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.096	0.050	0.769	6	4.62	0.08	0.44
20-29	0.047	0.335	0.050	0.769	0	0.00	0.00	0.00
30-39	0.093	0.773	0.050	0.769	1	0.77	0.07	0.59
40-49	0.156	1.449	0.050	0.769	0	0.00	0.00	0.00
50-59	0.233	2.396	0.050	0.769	0	0.00	0.00	0.00
60-69	0.327	3.643	0.050	0.769	0	0.00	0.00	0.00
70-79	0.436	5.218	0.050	0.769	0	0.00	0.00	0.00
80-89	0.561	7.145	0.050	0.769	0	0.00	0.00	0.00
90-99	0.701	9.448	0.050	0.769	0	0.00	0.00	0.00
100-109	0.857	12.150	0.050	0.769	0	0.00	0.00	0.00

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
1. CF Name		Semjee			4. Block Area		60.98	Hectares
2. Block Name		Thangthrazur			5. Compiling date		16/01/2023	
3. No of plots		41			6. Species group		Other BL (Central)	
col1	col2	col3	col4	col5	col6	col7	col8	col9
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.078	0.050	0.488	79	38.54	0.66	3.01
20-29	0.047	0.287	0.050	0.488	11	5.37	0.25	1.54
30-39	0.093	0.687	0.050	0.488	2	0.98	0.09	0.67
40-49	0.156	1.323	0.050	0.488	0	0.00	0.00	0.00
50-59	0.233	2.236	0.050	0.488	1	0.49	0.11	1.09
60-69	0.327	3.462	0.050	0.488	0	0.00	0.00	0.00
70-79	0.436	5.037	0.050	0.488	0	0.00	0.00	0.00
80-89	0.561	6.993	0.050	0.488	0	0.00	0.00	0.00
90-99	0.701	9.361	0.050	0.488	0	0.00	0.00	0.00
100-109	0.857	12.171	0.050	0.488	0	0.00	0.00	0.00

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
1. CF Name		Semjee			4. Block Area		60.86	Hectares
2. Block Name		Thangthra Zur			5. Compiling date		16/01/2023	
3. No of plots		41			6. Species group		Oak Spp. (Central)	
col1	col2	col3	col4	col5	col6	col7	col8	col9
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.095	0.050	0.488	228	111.22	1.89	10.57
20-29	0.047	0.340	0.050	0.488	163	79.51	3.74	27.03
30-39	0.093	0.796	0.050	0.488	98	47.80	4.45	38.05
40-49	0.156	1.505	0.050	0.488	40	19.51	3.04	29.37
50-59	0.233	2.508	0.050	0.488	8	3.90	0.91	9.79
60-69	0.327	3.837	0.050	0.488	1	0.49	0.16	1.87
70-79	0.436	5.526	0.050	0.488	0	0.00	0.00	0.00
80-89	0.561	7.603	0.050	0.488	0	0.00	0.00	0.00
90-99	0.701	10.096	0.050	0.488	0	0.00	0.00	0.00
100-109	0.857	13.033	0.050	0.488	0	0.00	0.00	0.00

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
1. CF Name	Semjee	4. Block Area				60.86	Hectares	
2. Block Name	Thangthrazur	5. Compiling date				16/01/2023		
3. No of plots	41	6. Species group				Rhododendron spp.		
<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
		(3 decimals)	(3 decimals)	(3 decimals)	(0 decimals)	(2 decimals)	(2 decimals)	(2 decimals)
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10-19	0.017	0.074	0.050	0.488	234	114.15	1.94	8.45
20-29	0.047	0.255	0.050	0.488	78	38.05	1.79	9.70
30-39	0.093	0.579	0.050	0.488	13	6.34	0.59	3.67
40-49	0.156	1.072	0.050	0.488	0	0.00	0.00	0.00
50-59	0.233	1.755	0.050	0.488	0	0.00	0.00	0.00
60-69	0.327	2.646	0.050	0.488	0	0.00	0.00	0.00
70-79	0.436	3.762	0.050	0.488	0	0.00	0.00	0.00
80-89	0.561	5.119	0.050	0.488	0	0.00	0.00	0.00
90-99	0.701	6.731	0.050	0.488	0	0.00	0.00	0.00

Annexure VI: Application to Establish Community Forest

ROYAL GOVERNMENT OF BHUTAN  
MINISTRY OF AGRICULTURE & FORESTS

Department of Forests & Park Services

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 Ugyen Sither the Chairman of Community Forest  
Management Group of Sengee village(s) consisting of 21 household  
would like to submit this application for establishment of Community Forest. (Map attached)

a) Gewog: Nubi

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

(i) Name of Forests:

(ii) Boundary Description:

North: Chuyurwog  
South: Bahchi Paag  
East: Tinathruwog  
West: Singe Settlement

(iii) Estimated Areas: 260 Acres

(iv) Forest Type: Cool Broad-leaved forest

Signature:




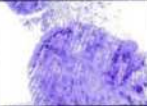
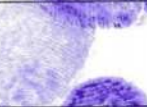


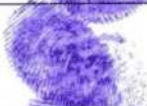
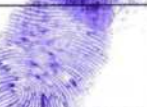
Name of the CFMG Chairman:

Date:

11/08/2022

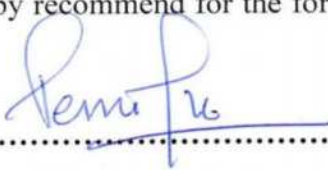




Sl.No.	Name of Household Representative	CID Card No	House No.	Thram No. (If applicable)	Signature
13	Kinley Wangdi	11704002869	TSA-4-65	297	
14	Tshering Dekar	11704002950	TSA-4-73	194	
15	Deplu Zangmo	11704002811	TSA-4-17	371	
16	Karma Thinley	11704002804	TSA-4-370	914	
17	Zangla	11704002625	TSA-4-77	313	
18	Kinzang Pelden	11704002885	TSA-4-78	314	
19	Tshering Yangzom	11704002876	TSA-4-65	714	
20	Kinley Dema	11704002996	TSA-4-79	315	
21	Choeten Zam	11704002883	TSA-4-67	299	

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

Name and Signature of Gup:



Gewog:

Nubee

གཤི

Date:

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 ལྷ་མོ་ལྷ་མོ་ལྷ་མོ་

**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:**

The Forest Range Office has reviewed the Simjee CF Management Plan and found that the validity of the Management Plan has expired. Accordingly conducted forest functional mapping of the CF extension area and found it feasible for the CF revision. The Revision of the CF area is based on the permissible ceiling for the CF area. Therefore, Range Office hereby recommended for 1<sup>st</sup> Edition/Revision of the Simjee Community Forest Management Plan.

Signature: .....

Name: .....

Name of Range: .....

Date: .....

  
Tenzin Tshering  
15/8/22  
Forest Range Officer  
Forest Range Office  
Trongsa: Bhutan

**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: .....

Division/Park: .....

Date: .....

  
Lankhey Dzulpa  
Bumthang  
21/4/2023.