

BJEMO COMMUNITY FOREST MANAGEMENT PLAN (1st Revision)



TOTAL AREA:	56.4 HECTARES
NO. OF H/H:	14
VILAGE:	BJEMO
GEWOG:	CHAPCHA
DZONGKAG:	CHUKHA
Plan period: December 2022 to November 2032	

DOFPS/STED/STF/2-2/2022-23/289 Dec 20, 2022
Approval sheet

APPROVAL SHEET: BJEMO COMMUNITY FOREST MANAGEMENT PLAN

Name of Community Forest	Bjemo
Village	Bjemo
Chiwog	Lobneykha
Gewog	Chapcha
Dzongkhag	Chhukha
Production area (Hectare/Acre)	0.00 Ha
Protection area (Hectare/Acre)	0.00 Ha
Total Community Forest Area (Hectare/Acre)	56.4 Ha
Total CFMG Member (No. of HH)	14

	Community Forest Management Group	Forestry Representative (CFMP facilitator)	Gewog Administration	Social Forestry Section	Divisional/Park Office
Signature					
Name	Phuntsho	Dargay	Tobgyel	Pema Gyeltshen	Pema Wangda
Title	Chairperson	Sr.FR II	Chapcha Gewog Chukha Dzongkhag	Head	Chief Forestry Officer

Signature		
Name	T. B. Rai	K. J. Khamphel
Title	Focal Officer	Chief Forestry Officer
DIVISION	Social Forestry and Extension Division	Social Forestry and Extension Division

APPROVED BY:

Director
Department of Forests and Park Services
Ministry of Agriculture & Forests
DIRECTOR/DIRECTOR GENERAL

DEPARTMENT OF FORESTS AND PARK SERVICES

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ACRONYMS

AAC.....	Annual Allowable Cut
AD.....	Annual Demand
AHL.....	Annual Harvesting Limit
CF.....	Community Forest
CFMG.....	Community Forest Management Group
CFMP.....	Community Forest Management Plan
CFO.....	Chief Forestry Officer
DoFPS.....	Department of Forest and Park Services
FNCRR	Forest and Nature Conservation Rules and Regulations 2017
FO.....	Forest Officer
HH.....	Household
Nu.....	Ngultrum
RO.....	Range Officer
SFED.....	Social Forestry and Extension Division
SRF.....	State Reserved Forest

SUMMARY

The Bjemo Community Forest of Bjemo village under Chapcha gewog was approved in 2012 with an area of 27 ha only to be managed by 14 households from the Bjemo village. The designated CF is within the radius of 10-15 minutes walking distance from the furthest household. The Bjemo CFMG composes of heterogeneous ethnic group from as far as Trashigang, Kurtog, and Zhemgang dzongkhags unlike other CFs in Chapcha Geog. The CF area is located above the old Thimphu-Phuntsholing National Highway that is above the old Tanalung Check point. The revision was based on final monitoring and evaluation reports Annexure 6 and the application submitted by CFMG members for necessary renewal of CF management plan. As per evaluation report, all the activities were implemented successfully based on prescribed management plan for the period of 10 years.

The extension was carried out with the increment of area from 27ha to 56.4ha accordingly with FNCRR 2017. The revised plan is based on forestry field manual for CF in Bhutan 2018 (3rd edition) with aligning its regulation norms with FNCRR 2017 and 2020 and Forest and Nature Conservation Act 1995.

The whole CF has an area of 56.4ha with an average basal area of 22.84 m²/ha is made into two blocks namely Gangchukha and Khamchey Tsawa with 39 and 17.4 ha respectively with a primary objective for protection and sustainable management of forest, fulfilling the annual requirement of members for house construction and fuelwood. The CF members will be constructing one new house and one house will be renovated and 3 households will be eligible for other construction in a year. The annual timber demand is 18 numbers of timber for new construction and 3 numbers of timber for renovation, 3 standing trees for others construction and 36 number of trees for fuelwood annually.

Annual Allowable Cut (AAC) calculation shows CF has a capacity to supply 84.2 numbers of forest produce ('T' and 'N' trees) annually from two blocks. However, the stock in the CF cannot meet the demand of CFMG, still then CFMG can use inferior/deformed timber size trees to meet the demand for firewood purposes or can avail from SRF during the plan period.

The revised plan included the protection of CF from illegal harvesting & improvement of forest conditions through plantation in barren areas and removal of diseased and un-preferred trees for fuel wood and other construction. Further to improve the quality of stand, thinning operations will be carried out in production areas.

1. SECTION A: MANAGEMENT PLAN

1.1: Introduction

The Department of Forest and Park Services has accorded approval for 27ha of SRF land to be managed as Community Forest by 14 households from Bjimo village in 2012. However, during the revision, 4 households proposed to join the CF but with having no Gungs remain pending to join the CF. They can join the CF once received the Gung as general members accepted. The whole CF area is divided into two blocks namely Gangchukha and KhamcheyTsawa with 39 ha and 17.4 ha respectively. The CF is located above the old Thimphu-Phunstholing National Highway and is walking distance from the National Highway (Old Tanalung bridge).

The villagers had been practicing subsistence farming and were mostly dependent on agriculture, livestock and forestry activities. Their main cash crop is Potatoes and Chillis. The communities mainly depend on farming system with Agriculture, Livestock and Forestry playing a vital role in sustaining their daily livelihood. Nevertheless, the community's livelihoods are mainly supported by agricultural farming. The basic facility such as farm road and electricity services are available in the chiwog. With the coming of development activities like easy accessibility, the community witnessed the pressure on the forest which contributed in realizing the need to review their community forest and claiming the ownership of CF products.

The CFMGs has generated an income of Nu. 1,49,925.19 only through annual fees, royalty, fines and penalties and interest from loan. This has greatly benefited the members in supporting their school going children and addressing financial problems by fund loaning system.

Based on the progress and achievement made by CFMG, the revision exercise was carried out by the Division and Range staff in May, 2022. The CF has a total area of 56.4ha with a basal area of 22.84 m²/ha. The Bjemo CF composes of cool broadleaved forest. The species found are blue pine (*Pinus walichiana*spp), Dhomshing (*Symplocos*spp), Choka Shing (*Rhus* spp), Gamashing (*Alnus* spp) as dominant species. The forest is also habitat for Bear, Deer, Monkey, Wild pig and birds etc.

The CFMG have agreed to be guided by the following sustainable and harvesting of forest products from CF areas:

1. Protection from outsiders
2. Conservation and Protection of Wild Life habitat
3. Sustainable utilization of forest resources
4. Income generation through sale of excess timber in future.

1.2 Community Forest Boundaries

The CF boundaries are clearly demarcated and marked on the permanent features to ascertain the CF boundary for monitoring of encroachment into CF and out of CF. The detail boundary is explained in the table I below:

Table 1 : Community Forest Boundaries

Boundaries	Permanent features
East	Jachu to khamchey Dra
West	Bajothang to Tanagu Water tank
South	Khamcheydra to Bajothang
North	Tanagu water tank to Ngyeltshosa to Zarchey to Gangchukha to Khamchey to Forest Boundar Pillar

Table 2: Social Information

Specification	Description
Name of the villages	Bjemo
Ethnic groups with CFMG	Ngalong, Kurtoep, Shachop
Basic amenities	Access road, rural water supply, electricity, mobile network
Total household (HH) number of CFMG	18
% Male and % Female	45.4% M, 54.6% F
Main source of income	Potatoes and Chilli
Main crops	Potatoes and Chilli
Cropping pattern	Mono culture
Any other information	

1.3: Location map of CF

The CF location in relation to its beneficiary settlements are given in the google map. The map showed the detail location of CF area.

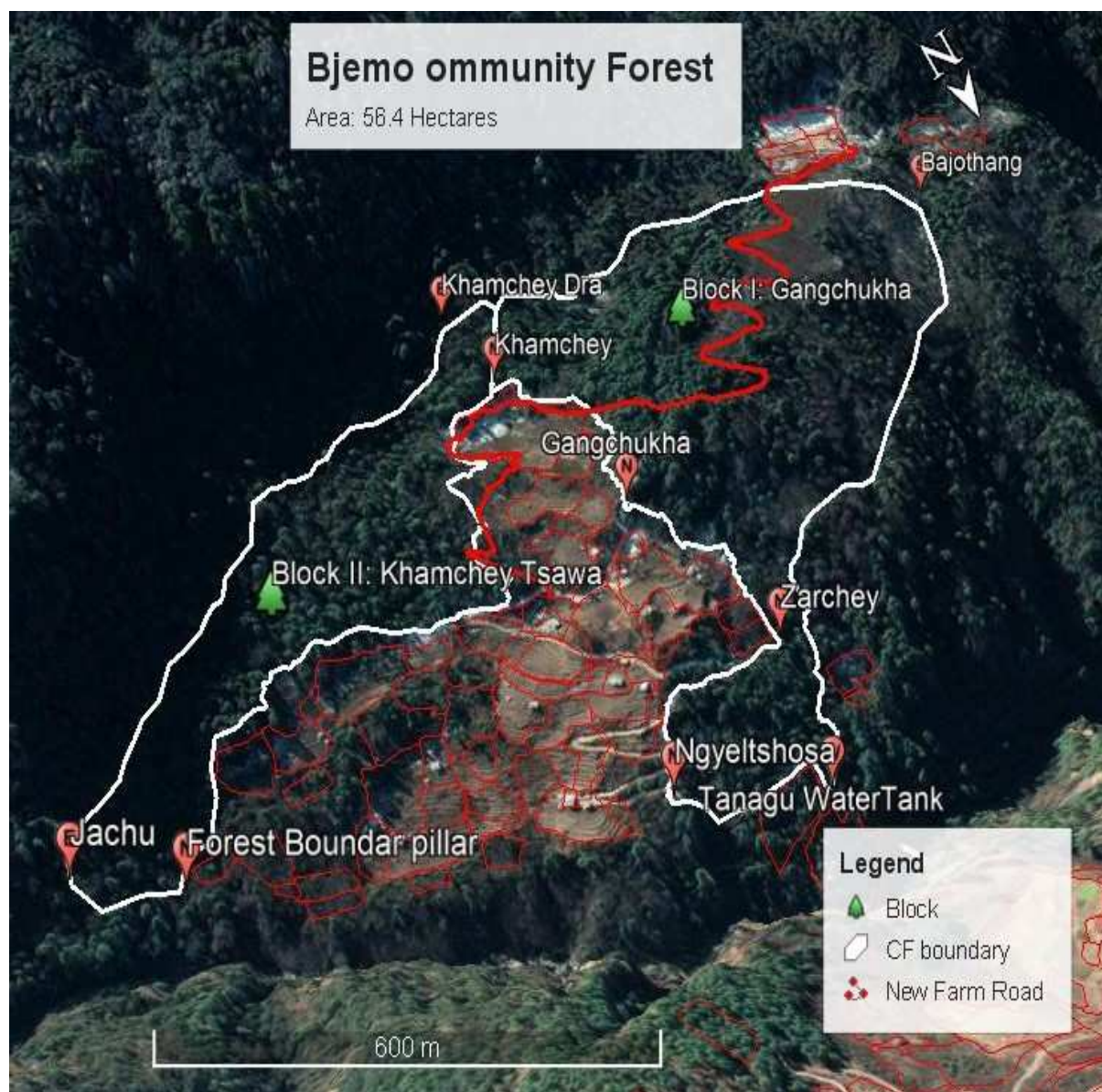


Figure 1: CF Location Map

1.4: Land use map of CF

The land use map showing the total CF area of 56.4 ha with majority area covered with broadleaf forest.

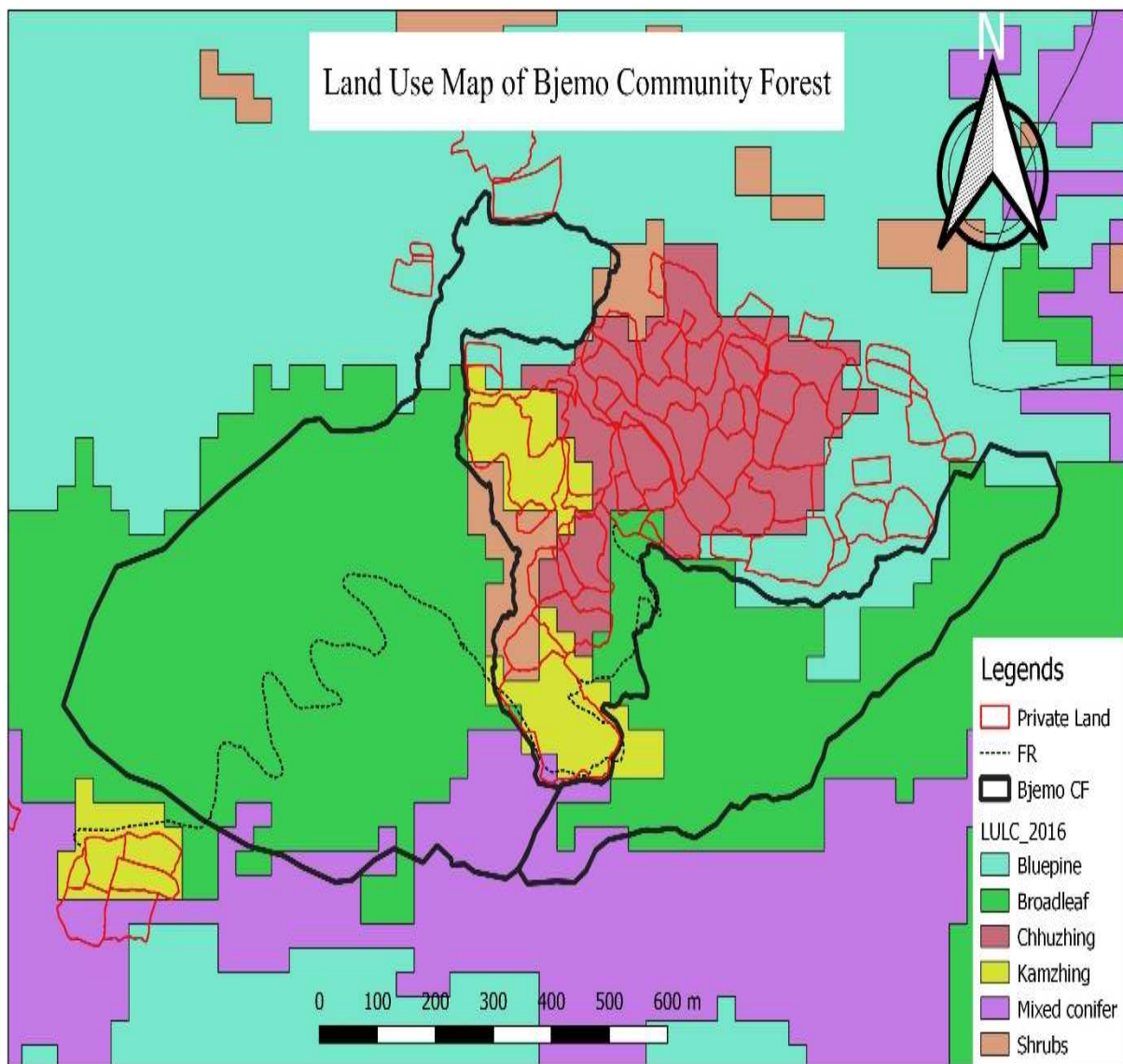


Figure 2: Land use map of CF

1.5: Forest information over whole block

Bjemo CF has an area of 56.4 ha and it is divided into two blocks viz. Block I with 39 ha and Block II with 17.4 ha respectively. The main vegetation type of the block is cool broadleaved forest comprising main tree species such as *Pinus walichiana* spp., *Alnus* spp. *symplocus* spp. The prominent wild animals present in CF areas are, wild pig, Deer, monkey and birds.

1.5.1. Block I: Gangchukha

Table 3: Forest Resource Assessment (Block I)	
Name of Community Forest	BjemoCommunity Forest
Date of Assessment	14/05/2022
Name of block	Gangchukha
Block area	39ha
Basal Area	26.52 m2/ha
Name of recorder	Dagay and Duk Tshering

a. Forest & Habitat Type					
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"/>	Chirpine forest	<input type="checkbox"/>	Warm broadleaved forest	<input type="checkbox"/>
Cool broadleaved forest	<input checked="" type="checkbox"/>	Mixed conifer forest	<input type="checkbox"/>	Blue pine forest	<input type="checkbox"/>
				Other	<input type="checkbox"/>

Definitions	
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

b. Forest Condition			
Write the names of the 3 main tree species			
Local name		Scientific name	
(Dz):Tongphu		<i>Pinus walichiana</i>	
(Dz): Gamashing		<i>Alnus spp</i>	
(Dz),Shagu shing		<i>Persea spp.</i>	
(i) Plantation			
Is there any Yes plantation? No <input checked="" type="checkbox"/>		Approximate 2 meters 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 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
(iii) Forest Condition - Canopy density			
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	

(iv) Forest Condition – Regeneration		
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) Dhapnephyllum	2) Persea spp.	3) Symplocus app
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

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 type="checkbox"/>	Very <input type="checkbox"/>

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

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

d. Open spaces	
Approximate total open space area (ha)	2 ha
Dominant vegetation type in the open space	<i>Alnus spp</i>
Cause of open space e.g. firewood and timber harvesting, etc.	Timber and firewood harvesting

e. Grazing and 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				
Local name		Scientific name		
Challam (Dz.), Acer (Eng)		<i>Acer spp.</i>		
Langma(Dz.)		<i>Salix spp</i>		

Pasture quality		
Local name	Scientific name	Palatable/unpalatable
Langma Shing	<i>Salix spp</i>	Palatable
		Palatable
		Unpalatable

Use pattern <input type="checkbox"/>	Seasonal <input checked="" type="checkbox"/>	All year <input type="checkbox"/>
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Type of user	Migratory <input type="checkbox"/>	Local <input checked="" type="checkbox"/>	Both <input type="checkbox"/>
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f. 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 type="checkbox"/>	Non-erosive <input checked="" type="checkbox"/>		
disperses and/or breaks up in water easily		stable to water flow	
(iii) Catchment Condition – Slope			
Slope (degrees)	Slope steepness class <input type="checkbox"/>		
<10°	Gentle	<input type="checkbox"/>	
10° – 30°	Moderate	<input checked="" type="checkbox"/>	
> 30°	Steep	<input type="checkbox"/>	
Catchment Condition Summary			
Less critical <input checked="" 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

g. Fauna	
Local name	Scientific name

Phap (Dz), wild pig (Eng.)	<i>Sus scrofa</i>
Dhom (Dz), Himalayan black bear (Eng.)	<i>Ursus thibetanus laniger</i>
Bja (Dz) Goral (Eng.)	<i>Naemorhedus goral</i>
Ka sha (Dz) Barking deer (eng)	<i>Muntjack</i>
Shaw(Dz) Sambar (eng)	<i>Axis axis</i>

h. Biotic Pressures (underline those present and level of severity)			
Fire	Common	occasional	absent
Grazing	Heavy	limited	absent
Shrub layer	Dense	moderate	absent
Fodder collection	Common	limited	absent
NWFP collection	Common	limited	absent
Leaf litter collection	Common	limited	absent
Encroachment	Common	occasional	absent
Pole harvesting	Common	occasional	absent
Fuel-wood harvesting	Common	occasional	absent
Timber harvesting	Common	occasional	absent
Hunting	Common	occasional	absent
Others (describe)			

i. Management options	
1	Need to remove lops and tops after extraction of timber for better sanitation.
2	Thinning and removal of unwanted spp to promote the growth of young stand
3	Reduce continuous harvesting of timber and firewood to regain its stock capacity by following AHL and AACstrictly
4	Regular patrolling and monitoring are required against illegal harvestingof timber and NWFPS

1.5.2. Block II: Khamchey Tsawa

Table 4: Forest Resource Assessment (Block II)	
Name of Community Forest	Bjemo
Date of Assessment	27/05/2022 to 28/05/2022
Name of block	KhamcheyTsawa
Block area	17.4 ha
Basal Area	19.04 m2/ha
Name of recorder	Kelang Jurmey and Pema Gyeltshen

a. Forest & Habitat Type

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

Definitions	
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 re growth 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

b. Forest Condition	
Write the names of the 3 main tree species	
Local name	Scientific name
(Dz):Tongphu shing	<i>Pinus walichiana</i>
(Dz): Dhomshing	<i>Symplocusspp</i>
(Dz),Choka shing	<i>Rhus spp.</i>
(i) Plantation	
Is there any Yes <input checked="" type="checkbox"/>	Approximate 2 meters

plantation?	No	height of planted trees (m)
Year planted	No	Is the plantation? Under stocked <input type="checkbox"/> Stocked <input checked="" type="checkbox"/> Overstocked <input type="checkbox"/>
(ii) Forest Condition – Age		
Mature <input checked="" type="checkbox"/> Main canopy of mature trees	Pole stage 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		
(iii) Forest Condition - Canopy density		
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

(iv) Forest Condition – Regeneration		
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) Alnus spp	2) Persea spp.	3) Symplocos spp
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

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 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				
Age	Canopy density	Regeneration & coppice	Seed tree class	Condition
Mature forest	Dense	Abundant		Very good
		Scattered/few	Low	Good

	Open	Abundant		Good
		Scattered/few	Moderate	Average
Pole stage forest	Dense	Abundant		Good
		Scattered/few	Low	Average
	Open	Abundant		Average
		Scattered/few	High	Poor
Shrub and young growth	Dense	Low	Moderate or High	Average
	Dense	Low	Low	Average
	Open	Moderate	Low	Poor
Any	Very open	None	Low	Poor

d. Open spaces	
Approximate total open space area (ha)	0.1ha
Dominant vegetation type in the open space	<i>Alnus spp</i>
Cause of open space e.g. grazing, fire, harvesting, etc.	Timber and firewood harvesting

e. Grazing and 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				
Local name		Scientific name		
Challam (Dz.), Acer (Eng)		<i>Acer spp.</i>		
Langmashing(Dz.)		<i>Salix spp</i>		

Pasture quality		
Local name	Scientific name	Palatable/unpalatable
Langmashing	<i>Salix spp</i>	Palatable
Challam	<i>Acer</i>	Palatable
		Unpalatable

Use pattern <input type="checkbox"/>	Seasonal <input checked="" type="checkbox"/>	All year <input type="checkbox"/>
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Type of user	Migratory <input type="checkbox"/>	Local <input checked="" type="checkbox"/>	Both <input type="checkbox"/>
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f. 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 type="checkbox"/> disperses and/or breaks up in water easily	Non-erosive <input checked="" type="checkbox"/> stable to water flow	
(iii) Catchment Condition – Slope		
Slope (degrees)	Slope steepness class <input type="checkbox"/>	
<10°	Gentle	<input type="checkbox"/>
10° – 30°	Moderate	<input checked="" type="checkbox"/>
> 30°	Steep	<input type="checkbox"/>
Catchment Condition Summary		
Less critical <input checked="" 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

g. Fauna	
Local name	Scientific name
Phap (Dz), wild pig (Eng.)	<i>Sus scrofa</i>
Dhom (Dz), Himalayan black bear (Eng.)	<i>Ursus thibetanus laniger</i>
Bja (Dz) Goral (Eng.)	<i>Naemorhedus goral</i>
Ka sha (Dz) Barking deer (eng)	<i>Muntjack</i>
Shaw(Dz) Sambar (eng)	<i>Axis axis</i>

h. Biotic Pressures (underline those present and level of severity)			
Fire	Common	occasional	absent
Grazing	Heavy	limited	absent
Shrub layer	Dense	moderate	absent
Fodder collection	Common	limited	absent
NWFP collection	Common	limited	absent
Leaf litter collection	Common	limited	absent
Encroachment	Common	occasional	absent
Pole harvesting	Common	occasional	absent
Fuel-wood harvesting	Common	occasional	absent
Timber harvesting	Common	occasional	absent
Hunting	Common	occasional	absent
Others (describe)			

i. Management options	
1	Thinning and removal of unwanted spp to promote the growth of young stand
2	Reduce continuous harvesting of timber and firewood to regain its stock capacity by following AHL and AAC strictly
3	Need to remove lops and tops after extraction of timber for better sanitation.
4	Regular patrolling and monitoring are required against illegal harvesting of timber and NWFPs

1.6. Forest Produce Ranking

Products/services	Timber	Firewood	F/Posts	F/Poles	Water	Leaf litter	Grazing	NWFP
Timber	x							
Firewood	Timber	x						
F/Posts	Timber	Firewood	x					
F/Poles	Timber	Firewood	F/Posts	x				
Water	Water	Water	water	water	x			
Leaf litter	Leaf litter	Leaf litter	Leaf litter	Leaf litter	Water	x		
Grazing	Timber	Firewood	Grazing	Grazing	water	Grazing	x	

NWFP	Timber	Firewood	F/Posts	F/Poles	water	Leaf litter	Grazing	x
Total	5	4	2	1	7	4	1	

Ranking result: 1st=water (7), 2nd=timber (5), 2nd=Leaf litter (5) 3rd=firewood (4), 4th=Grazing (3), 5th=F/posts (2), 6th=F/poles (1), 7th=NWFP (0).

1.7. Species Preference Ranking

Species	Uses	Drashing	Cham	Fencing posts	Flag poles	Firewood	Furniture
Blue pine	Preference	xxxxx	x	x	xx	x	
	Availability	***	**	*	*	***	
.Alnusspp	Preference	x	x	x	x	xxxxx	
	Availability	**	****	***	****	*****	
Toonaspp	Preference	.x	x	xxx	x	x	x
	Availability	**	***	**	x	**	*
.Rhusspp	Preference	xx	x	xxxx	x	x	x
	Availability	*	*	**	o	*	*
Walnut	Preference	x	x	x	x	x	x
	Availability	**	***	*	*	*	***
Oak	Preference	x	x	x	x	xxx	x
	Availability	*	*	*	*	**	*
Cinnamomu mspp	Preference	x	x	x	x	xxx	x
	Availability	**	*	*	*	**	**
Symplocusspp	Preference	x	x	xx	xxxx	x	x
	Availability	*	*	****	****	*	*

Note: symbols to show rating:

xxxxx-high preference

x-low preference

*****-highly available

*-less available

1.8. Climate Hazard Assessment

Climate Hazard Matrix							
	Landslide	Flood	Drought	Animal diseases	Reduced crop yields	Human conflict	wildlife
Landslide	X	Landslide	landslide	Landslide	landslide	Human conflict	wildlife
Flood		X	Drought	Animal diseases	Animal diseases	Human conflict	wildlife
Drought			X	Drought	Animal diseases	Human conflict	wildlife
Animal diseases				X	Reduced crop yields	Human conflict	wildlife
Reduced crop yields					X	Human conflict	wildlife
Human wildlife conflict						X	

Result: 1st= Human wildlife conflict (5), 2nd=landslide (4), 3rd=Animal diseases (3), 4th=Reduced crop yields (1), 5th=Drought (1), 6th=flood (0).

1.9. Environmental Assessment

Environmental Assessment								
	Potential Environmental Effects				Potential Socio-Economic Effects			
Activity proposed in CFMP	soil	water	Wild animals	plants	Traditional forest use	Cultural and religious	Local employment	Local benefits from forest produce
Plantation establishment	+++ +	+++++	++++	- - -	-	o	+++	++
Timber harvesting	- . - . -	- . - . -	- . - . -	o	- . - .	0 -	++	++
Grazing Control	o	++++	++++	+++	- . - . - .	- .	o	- . - . - .
NWFP collection	o	- .	- . - .	o	++	o	+	+
Forest protection	+++ ++	++++	++++	++++	o	o	+++	+
Soil and water conservation activities	+++ ++	++++	+++++	++++	o	o	+	+

1.10. Procedure to address potential negative effects

Activity	Procedures
Firewood harvesting	-Harvesting of firewood >45° slope gradient should be restricted -Avoid harvesting of fuel wood along farm road and stream buffers
Timber harvesting	-Harvesting of timber near spiritual or cultural heritage sites should be restricted -Avoid harvesting of timber along stream, farm road and transmission line buffers
NWFP collection	Illegal harvesting of <i>Paris polyphylla</i> should be restricted to both the CFMG members and outsiders
Forest protection	-Protection of CF from illegal harvesting, wildlife poaching, stone or boulders transit and NWFPs collection by outsiders.

1.11. Forest Produce Demand Assessment

Produce	Annual requirement (estimated)		Number of HH that require produce annually ©	Total requirement of theproduce (Annually)		Total requirement of the produce in 10 years	
	Number (A)	Volume (in cfts) (B)		Numbe r (A*C)= D	Volume (in cfts) (B*C)=E	Number (D*10)	Volume (in cfts) (E*10)
For new construction							
Drashing	18		1	18		180	
For renovation							
Drashing	3		1	3		30	
For other construction (cowshed, toilet, etc., kitchen, store-house)							
Drashing	1		3	3		30	
For other produce							
Firewood	2		18	36		360	
Fencing posts	1		18	18		180	
Flag posts	108		3	324		3240	

1.12. AAC vs Demand Assessment

Produce	Total AAC		Total Annual Demand		Difference		Comments
	Number of trees	Volume (in m3)	Number of trees	Volume (m3)	Number of trees	Volume (in m3)	
Drashing	33	121.44	24		9		sufficient
Firewood	24	49.33	36		-12		Insufficient, can avail from SRF.
Fencing posts			18		-18		One drashing Insufficient.
Flag posts	27		324		-297		Insufficient

Note:- All the above excess timber shall be sold to other stakeholders as per the management plan.

1.13. Overall Forest management objectives

1. Protection from outsiders
2. Conservation and Protection of water sources
3. Conservation and Protection of Wild Life habitat
4. Plantation in the degraded and harvested areas
5. Sustainable utilization of forest resources
6. Income generation through sale of excess timber in future.

1.14. Participatory Monitoring Plan**1.14.1. Participatory Forest resources impact monitoring plan**

Activity	Indicator	How it will be monitored	Responsibility	Comments
Protect CF from illegal harvesting and poaching of wild animals	Number of illegal cases reduced	Regular patrolling and monitoring of CF	Resoop and CFMG members	-do-

1.14.2. Participatory social and institutional impact monitoring plan

Activity	Indicator	How it will be monitored	Responsibility	Comments
Sanctioning of	Number of	Refers to fund	CFMG members	Carry out

loan for CFMG members	households benefited	management book	with forest officer	during loan repayment meeting
Resource allocation based on equity	Number of single headed women or disadvantaged households benefited	Records in CF utilization book	CF management committee	Monitor by concerned forest officer
Revision of socio-economic survey	Number of single headed women and disadvantaged households included	Participatory review meeting	CF management committee and concerned forest officer	Refers to socio-economic survey sheet
CFMG general meeting	Number of CFMG members attended	Refers to meeting minutes & attendance register	CF management committee	Monitor by concerned forest officer
CF management committee meeting	Number of women elected as CF management committee members	Refers to CF management committee name list	CFMG members are responsible for the election of committee members	-do-

1.14.3. Participatory environment impact monitoring plan

Possible negative impact	Indicator	How it will be monitored	Responsibility	Comments
Damage of CF through excessive harvesting	Area of CF damaged	Carry out salvage operation assessment	CFMG members	Support by concerned forest officer

1.15. Annual Workplan

Objective	Activity	Year									
		1	2	3	4	5	6	7	8	9	10
Protection from outsiders	CF Boundary demarcation	Block I	Block II					Block I	Block II		
	Patrolling in CF areas	In both the block									
Plantation in the degraded and harvested areas	Initiate bush clearing /thinning and prescribe burning activities	Block I	Block II	Block I	Block II	Block I	Block II	Block I	Block II	Block I	Block II
	Plantation					Block I (Area-1 ha)	BlockII (Area-1 ha)				

Note:-Resupsshall submit the report on conditions of CF once in two months to the chairman for further submission to the concerned Forest officer.

1.16. Monitoring, review and evaluation

110. The concern Forest Officer shall conduct regular monitoring of plan activity and submit the report on half yearly basis to the Department.
111. The CFO shall conduct annual monitoring of CF which shall include verification of records on physical and financial achievements. The annual report shall be submitted to the Department. The Monitoring and Evaluation of CF shall be carried out as per the prescription in the Management Plan and as per technical guidelines in the forest management code. The Department shall, on a regular basis, evaluate the effective implementation of the Management Plan. The evaluation report which requires technical intervention shall be presented to Technical Advisory Committee of the Department for review.

The annual work plan and progress report of the CF shall be submitted to the concerned forest officer based on Annexure 2 format 1. The monitoring of CF activities and maintaining of the records should be carried by concerned forest officer jointly with CF management committee. A mid-term review shall be carried out at the last quarter of the 5th year plan period. and the final at the last quarter of the 9th year plan period. The review and final evaluation report shall be based on Annexure 6 from forestry field manual for Bhutan 2018 (3rd edition).

1.17. CF Networking

Bjemo Community Forest can participate in CF networking programs initiated by DoFPS to encourage development of CF cooperation with other CFs in the Geog, Dzongkhag and CFs of Bhutan.

2. SECTION B: COMMUNITY BY- LAWS

2.1. CFMG membership

- i. The revised CF bylaws supersedes all sections of 2012 CF by-laws however the name of CF remains unchanged (Bjemo CF).
- ii. The name of the CFMG shall be known as Bjemo Community Forest Management Group.
- iii. The management group comprises of 14 from Bjemo village.
- iv. It shall come into effect after the formal approval by the Department of Forest and Park services.
- v. Any new members within the CFMG due to family nuclearization willing to join in CF are allowed with paying Nu.2500 as entry fee. They shall be accessed for any forest product rights from the date of joining as CFMG.
- vi. Non-member who purchased the land and settled in the village with his/her own legitimate gung & thram shall be allowed to join the membership upon payment of Nu.6000.00 as entry fee.
- vii. A copy of new membership application should be forwarded to concerned forest officer for necessary updating of the membership list.
- viii. All enrollments of new CFMG members shall be done only after consulting the existing CFMG members during the time meeting.

2.2. Withdrawal of membership.

- i. Any members wishing to withdraw their membership can do so after prior approval of CF Chairperson, with the written application and withdrawal fee of Nu. 20,000.00 (Twenty Thousand) only. No benefits shall be paid for those leaving the group in any form and will be not entertained to rejoin the CFMG in future years. A withdrawal with not applied for new construction and renovation rural timber are not required to pay the withdrawal fee of Nu. 20000(Twenty Thousand).
- ii. The committee members are allowed to serve for 10 years if he /she is not interested to serve as committee member without any benefits but they will remain as CFMG members.
- iii. A copy of resignation of membership application should be forwarded to concerned forest officer for necessary updating of the membership list.

2.3. Composition of committee members

The executive members were selected amongst the member based on the qualification and experience by the members during CF planning meeting in presence of forestry officials.

- i. Executive committee comprises of Chairperson, Secretary, Treasurer and another two Resups to oversee the day-to-day activities of the CF.
- ii. The terms of executive members shall be for ten years. The same person can be re-elected if the service rendered by him/her is found satisfactory by the members

or else can be subject to termination even before the term is complete on disciplinary ground.

Table 3: Name list of CF management committee

Sl No	Name	Contact Numbers	Sex	Designation	Tenure
1	Mr. Phuntsho	17463646	Male	Chairman	10yrs
2	Mr. YeshiWangmo	77644086	Female	Secretary	10 yrs.
3	Mr. SangayDorji	77393711	Male	Accountant	10 yrs.
4	Mr. Tobgay	17999400	Male	Resoop	2 yrs.
5	Mr. Pema	77394515	Male	Resoop	2 yrs.

2.4: Election of the committee members

The CF management committee will be elected among CFMG members every after 10years. However, they can be terminated and the election shall be carried out through unanimous decisions of the group. The election will be conducted during general meeting in the presence of concerned forestry officer.

2.5. Annual compensation for Management Committee members.

- a. Executive Management Committee Members viz Chairperson, Secretary and accountant will be provided with an annual incentives of Nu. 500.00 (Five Hundred) only for their services rendered to CFMG, however, committee members will be provided DSA Nu.500 and mileage for travel within Geog and Nu 1000 and mileage for travel out of Geog for community forest related task only.
- b. Lump sum marking fees of Nu.100/-per permit holder shall be paid to Resoop during the time of marking regardless of any products by the permit holder. Resups are also provided with Nu.1000 per year as annual compensation.

2.6. Eligibility of the management committee members

Every member has the right to become the executive committee member unless he or she meets the following criteria:

- i. He/she should be the legal member of the CFMG
- ii. He/she should be able to read and write
- iii. Preference will be given to experience members
- iv. He/she should be mentally sound
- v. He/she should be 18 years and above and below 65 years of age
- vi. He/she should be living in the village permanently

2.7. Terms of Reference for CF Management Committee.

Sl. No	Title	Rights and Responsibilities
1	Chairperson	<ol style="list-style-type: none"> 1. Plan and initiate CF activities. 2. Coordinate meetings. 3. Report progress of the Community Forest. 4. Issuance of permit and maintenance of CF books. 5. Sign joint accounts for transaction. 6. Monitor CF fund utilization. 7. Overall monitoring of CF activities as per the plan and reporting. 8. Sanction loans. 9. Work as per the Community Forest Management plan.
2	Secretary	<ol style="list-style-type: none"> 1. Assist Chairperson in his/her absence and coordinate the work. 2. Minute keeping 3. Sign on permit together with Chairperson as required in the permit. 4. Sign joint accounts for transaction. 5. Crosscheck Community Forest fund utilization. 6. Sign the loan sanction letter. 7. Respect the bylaws framed here in this management plan.
3	Treasurer	<ol style="list-style-type: none"> 1. Maintain cash book and report Community Forest fund annually to Forest office. 2. Receive fines and penalties and deposit into CF accounts. 3. Keep detail accounts of the CF funds. 4. Withdraw and deposit of funds. 5. Sign the loan sanction letter. 6. Respect the bylaws framed here in this management plan. 7. Work as per the Annual Work plan of this management plan.
4	Resoops	<ol style="list-style-type: none"> 1. He/she has the right to patrol the CF area and report any illegal activities taking place in the CF areas. 2. He/she has the right to question any member for CF product utilization. 3. He/she be rewarded with the 25% of the amount in case if they apprehend any culprit 4. Assist the marking officer during marking and ensure the sanitation of the forest after the extraction.

2.8. Procedure for leaving the Executive Committee

- i. The chairman, secretary and treasurer are not allowed to leave their post for a period of 10 years. However, he/she will be allowed for the genuine reasons like death case, long term sickness, etc. with the submission of application to CFMG members. The approval is accorded only after the election and replacement of his/her post with the proper handing taking of CF accounts, properties and records based on Annexure 15. The same shall be applied to rest of the executive committee members.
- ii. A copy of handing taking charge sheet note along with a name list of newly elected members should be submitted to the concerned forest officer for necessary information and updating the records.

2.9. Roles and responsibilities of CFMG members

All the CFMG members must have following responsibilities:

- i. Every individual has to participate in the CF related activities and has equal rights to access over the resources;
- ii. The equity and justice among members shall be maintained instead of focusing on equal share;
- iii. Every individual shall have equal opportunity to elect the management committee members and shall have rights to speak and share concerns and suggestions;
- iv. Each individual is responsible to inspect, verify and report illegal activities to the management committee and or to forestry officer;
- v. Everyone has equal opportunity to hold the post of management committee if he/she fulfills the above eligibility criteria;
- vi. The members shall have rights and access to CF accounts and auditing the documents;

2.10. Benefit sharing mechanism

- i. The resource sharing shall be based on equity and the primary priority will be given to the members who do not have a house to live in or affected by disaster;
- ii. The Quantity of timber to be allotted and the number of applicants is clearly prescribed in the management plan by comparing the AHL and the Demand assessment.
- iii. No timbers trees will be granted free of cost. The permit shall be issued for each produce at the prescribed rate to generate adequate revenue/income for the group.
- iv. The secondary priority shall be given to single headed women;
- v. The timber granted for rural house construction shall be strictly prohibited for commercial sale and if any members being found in such activities shall be guilty of an offence and dealt as per FNCRR 2017 and FNCRR,2020 and FNCA 1995.
- vi. Timber shall not be entertained for exchanging or borrowing among members and outsiders;
- vii. The transit of timber shall be restricted to the concerned village only and shall not be allowed to reach at any construction sites, hotels and restaurants in the urban areas or along national high way;

- viii. The CFMG shall not contribute timber for any community constructions like the construction of community temple, school or BHU, etc. in the village if there is external fund support, however, timber may be allotted considering the AAC in their prescribed management plan;
- ix. The executive members should ensure all the revenues generated are properly recorded and all the group members of the CF are well informed. This will ensure free and fair benefit sharing later.
- x. No single person should take advantage and try to derive individual benefit from the group's hard-earned funds.
- xi. Every single produce that are supposed to go out of the Community Forest area should be declared to group members. The executive committee members together with representative from forestry department should ensure that this happens at any cost.
- xii. Every forest produces in Community Forest areas shall be supplied to community members only after realization of royalty at prescribed rate in this management plan.
- xiii. Fuel wood shall be met from the lops and tops and as far as possible collect dry wood, if there are no dry woods one No. Standing tree shall be issued.
- xiv. Benefit sharing will be just and fair and the executive members together with concerned forestry officials should make sure this to happen by any means.
- xv. Loan will be dispersed to interested individuals who wish to obtain it with the minimum interest rate of 9 % per annum.
- xvi. Water resources; individuals or institutions can use the water resources from CF areas upon payment of minimum monetary incentives to the CFMG which is agreed by both the parties.
- xvii. Twice general meeting will be conducted in a year. One time in the month of August for timber and other forest resources allotment and in November for financial closing.
- xviii. Application form for resources allotment must be submitted to concerned forest officer before end of August month with duly verified by the committee members for verification and marking.

2.10.1: Timber

- i. Members are entitled for timber as per the prescribed CF plan for construction of rural house and for other rural purposes;
- ii. The Chairman shall grant and allot permit for rural house construction from CF areas only if CF member submits rural house construction approval from concerned authority;
- iii. The management committee shall review applications and approve or reject the application based on the above section 2.7.1(ii) and supporting documents indicating requirement of timbers;
- iv. The priority shall be given to the members who have no proper houses or the houses which were affected by the disaster;
- v. The renovation or other construction purposes also have to submit the application to the chairman; however, the construction approval is not required;
- vi. The permit validity shall be 2 years from the date of issue of permit, after which the applicant should renew the permit and extend the deadline if collection and transit of timber is not completed.

- vii. The permit will be extended only for a period of 1 year upon payment of royalty. Failure to extract the timber on extended period will lead to allotment of timber to other needy individuals.
- viii. Members are eligible to apply for the second quota for new construction or renovation purposes as per the FNCRR 2017 and FNCRR, 2020.

2.10.2: Fuel wood

- i. Members are allowed to collect dry firewood paying royalty;
- ii. Each member shall be given with two standing trees as firewood every year.
- iii. Firewood shall be sometimes met from lops and tops or twigs/branches from timber harvesting & thinning operations with no obtaining collection permit.
- iv. Firewood allotment shall be focused on non-timber species;
- v. Outsiders shall not be entertained to collect any firewood from CF areas;

2.10.3: Fencing posts

- i. All CFMG members are entitled to get fencing posts based on their genuine cases;
- ii. Fencing posts shall be allotted with the maximum ceiling of 50nos./ head.
- iii. Timber species shall not be entertained for fencing posts;
- iv. Fencing posts can be sometimes met from bush clearing & thinning operation of CF block;
- v. Only malformed, diseased or inferior species should be allotted for fencing posts;
- vi. Outsiders are not allowed to harvest any fencing posts;

2.10.4: Grazing in CF areas

- i. Grazing shall be permitted but restricted inside plantation areas;
- ii. Outsiders are not allowed to graze their animals within the CF area;

2.10.5: Non-wood Forest Product

- i. Collection of *endangered NWFP species* shall be restricted to both CFMG members and outsiders if found in CF areas;
- ii. Collection of mushroom or other NWFPs for self-consumption will be allowed without any royalty;
- iii. Members are allowed to collect leaf litters or top soil free of royalty;
- iv. Stones or boulders collection will be met from SRF land as there are no surface collection sites in the CF area;
- v. Selling of NWFPs shall be permitted in a group but not as individual member;
- vi. Outsiders are not allowed to collect any leaf litters, top soil or NWFPs from CF area;

2.10.6. Loan disbursement procedures.

CFMG member can avail the maximum loan amount decided by the committee member refereeing the Royal monetary Authority norms. The decision shall be made by 2/3 majority of the CFMG members during general meeting;

- The treasurer shall maintain all the expenditure records like receipts, vouchers, bills, minutes of meeting, etc. All such expenses should be recorded to cash book immediately;
- The treasurer shall present the details of expenditure to the CFMG members and concerned inspection team as and when required;
- The CF committee members shall equally sanction the loan to all interested members as far as possible at minimum amount as having no mortgage.
- The concerned forest officer shall ensure the compliance of above provisions;

2.10.6(a): CFMG fund for loans and its procedures

The CFMG can allocate fund for loaning not more than 50% of the total fund. The borrower should submit an application as per Annexure 9 and draw an agreement based on Annexure 10 with the detail records of loan in Annexure 2, format 10.

2.10.6(b): Eligibility criteria for loan

Every CFMG members shall be given opportunity to avail loan from their CF fund with the fulfillment of following criteria:

- i. The decided loan amount shall approve and released without mortgage;
- ii. Loan from CFMG fund shall not be given to non CFMG members;
- iii. The borrowers must be of 18 years and above;
- iv. Only one member from the households is eligible for loan at a time;
- v. Should not have any outstanding loan with CFMG;

2.10.6(c): Interest rate and loan term

All CFMG members are eligible to avail loan from the CF fund. The members shall be given an interest rate of 9% per annum. The loan shall be given on annual basis and every member should cleared their loan dues annually. The loan shall not be given to any members before 1 year of its expiry date of plan period and to non-members at any cost;

2.10.6(d): Repayment schedule and process

The borrower shall pay the principal amount including its total interest on annual basis. Upon the completion of its deadline, management committee shall conduct a general meeting whereby all the CFMG members are required to clear their annual loan dues. The fresh loan can be approved only after the repayment of its previous loan;

2.10.6(e): Penalties

Any member who fails to repay his/her loan in a given time shall be liable to pay a penalty from the date of expiry with reference to Annexure 2 format 10. The borrower should be liable to repay the loan amount with the interest rate of 20% per annum.

2.10.6(f): Loan approval and disbursement process

Any member who wants to avail a loan should fulfill the above eligibility criteria. The general meeting will approve the loan based on general consensus. The borrower and the management

committee shall sign a loan agreement as per Annexure 10 before sanctioning of any loan. The loan agreement is prepared in two copies with one for CF management committee and another for borrower.

2.10.6(g): Loan review

At the end of each year, the CF management committee shall review all the loans and repayments. The information of the review shall be shared during CFMG general meeting.

2.11: Fees (products/service fees, membership fees, etc)

Table 4: Royalty rates of forest produces

Sl.No	Types of products	Royalty Rate (Nu)	
		Within CFMG	Outsiders
1.	Drashing	Nu. 100/standing tree	As per NRDCL rate.
2.	Fencing Posts	Nu. 100 for 1 drashing in lieu of 50 nos of fencing post	
3.	Flag poles	Nu. 50for Lhadhar Nu.25 for lungdhar(Normal flag pole size) Free royalty for death case	
4.	Firewood	Nu. 100/standing tree	
5	Stone and boulders	Nu.50 T/L	

2.12: Fines and Penalties.

- Any illegal activities carried out inside the CF by CFMG members or the outsiders shall be dealt as per FNCRR, 2017 amended rules 2020.
- All cases related to offence shall be registered with CF committee members and compounded by the CF committee members as per FNCR 2017 and amended rules 2020. In the event of not willing to settle the case by the defaulter the case will be forwarded to the concern forestry official for taking further steps to compound the case.
- The fines and penalties collected either by CF committee members or by forestry officials should be deposited in joint CF account within 10 days receipt of fines.
- Any wild life related crime shall be dealt by concerned forest office and compounded based on FNCRR, 2017 and amended rules 2020 or any rule that supersedes it. The fines so collected from it will go to Govt. revenue.
- All members, including the committee members are required to make their presence in meetings and group activities compulsorily.
- Any absentees from work will be levied of fined Nu. 700/- (Three Hundred) only and 500/- in case of absentee of meetings which is at per prevailing daily wage in the community. However, consideration will be given in the event of unavoidable

circumstances such as death, sick and attending other important works related legal issues will be exempted and treated as kidu after informing chairperson.

- vii. Rural timber permit holder will be fined Nu,10,000 (Ten Thousand) only if found lops and tops and Bakals/slabs not collected to maintain best sanitation.
- viii. Under age below 18 years will not accept in work or in meeting, the concerned household will be marked as absentee and levy fine as prescribed above.
- ix. Any committee members or other members found misusing the community funds will be terminated from the post. He/She shall be liable to pay double the amount being misused and together with the interest on the amount prescribed in this rule.
- x. The misuse of power by the committee members shall be liable for fine and penalties and shall be treated at par with illegal doers. Thus, fine and compensation on the misused produces will be levied against them as per FNCRR, 2017 and rules that supersedes it.
- xi. Collection of any NWFP from CF by CFMG members are permitted for domestic/home consumption.
- xii. Collection of any NWFP from CF area by non CFMG members will be considered as an offence and will be fined as per the FNCRR, 2017 and 2020.
- xiii. Grazing in the plantation area is strictly prohibited and is liable to carry out the replantation of saplings in double the numbers that was destroyed.

2.13: CF Fund Management

Source of fund

The probable sources of CF funds are as follows

- i. Membership fees
- ii. Royalties from the forest products
- iii. Fines and penalties
- iv. Interest returns from loan released to members and bank deposit
- v. Sale of forest products for commercial purposes

Procedure in CF fund management

- i. CFMG should continue with same bank account maintained with any financial institutions in the previous terms;
- ii. The account shall be operated under a joint signatory of chairman, treasurer and a secretary;
- iii. Money receipt should be issued for all the payments received;
- iv. Treasurer should collect all contributions, donations, fees, fines and maintain detail records for references;
- v. All financial records should be made available to authorized auditing team or inspection team at any time of the year.

CF fund utilization areas

Table 5: Areas where CFMG funds can be utilized

Areas of fund use	Limit (%)
CF development activities (CF review, nursery creation, plantation, thinning, cleaning, salvage operation, boundary demarcation, fire line creation, etc.	Not less than 25%
CFMG enhancement (loan, capacity building, study visits, meeting, workshops, net-working, visitors in CF, income generation, enterprise development, etc.).	Not more than 50%
Reserved fund in the bank (security deposit)	Not less than 5 %

2.14: Record and book keeping

The management committee shall maintain the detail records of CF. All the CF official books should be kept under the safe custody of management committee and shall be available for reference at any time. The secretary is responsible for recordkeeping activities whereas the treasurer for bookkeeping activities in CF. The verification and overall maintenance of records should be done by chairman whereas the timely monitoring and technical support should be given by concerned forest officer

2.15: Meeting**General meeting**

- i. All members are required to present during general meeting;
- ii. The general meeting will be conducted in the month of August and May every year;
- iii. The meeting agenda shall be on annual work plan and activities periodization as per operational plan reflected in the management plan and fund management;
- iv. The meeting also reviews the achievement of fiscal year activities;
- v. The meeting discusses the CF related issues like insufficiency of timber, members conflict, illegal harvesting, by-laws incompatibilities and so on;

Executive members meeting

- i. All executive members are required to present during committee meeting;
- ii. The meeting shall be conducted at any time of the year if required necessary;
- iii. Any management issues which are to be managed at committee level shall be discussed and resolve in the meeting;

2.16: Conflict management

- 2.3. The chairman is responsible for management of any conflict of CFMGs;
- 2.4. If Chairman fails to manage the conflict, he /she will put the issues in the CF general meeting for discussion and resolution and to higher authorities if the CF general meeting fails to manage the conflict;

- 2.5. The conflict related to wildlife, forest fire and developmental activities like farm road construction, land encroachment, etc. shall be directly forwarded to concerned forest officer for further necessary follow-up;

2.17: Developmental Activities within or through CF Area

- i. The community will not restrict or object any developmental activities such as construction of farm road, transmission lines, water supply etc taking place within the CF area. However, clearance has to be obtained from CFMG and concerned agencies shall have to compensate the damaged caused by the developmental activities as per the FNCRR, 2017 and 2020. The assessment will be carried out by the Forestry officials in presence of CFMG and parties concerned.

CFMG can incorporate with any other groups which could benefit and generate income to the CFMG as whole in future

2.18: Amendment of CFMP and by-laws

- i. The approved and certified management plan serves as a legal document for managing the CF and its bylaws by CFMG members;
- ii. All the management activities are required to be carried out as per management plan and by-laws;
- iii. The CFMG shall have right to amendment some sections or criteria if found genuine by conducting general meeting in presence of forestry officials;
- iv. The members will be allowed to incorporate the amendment parts into the management plan and implement accordingly after receiving the recommended notification from the Department;

2.19: Powers of the Department

Notwithstanding the powers of the CFMG as described in FNCRR 2017, the Department is fully empowered to take action with regard to both forestry and other developmental activities in part or whole of the Community Forest. The Department fully reserves the power to cancel, suspend and reinstate of CF certificates if the implementation is not done as per the management plan and FNCRR 2017:-

102. In the event the members of the CFMG decide to cancel CF certificate in accordance with Rules, the Community Forest Certificate shall be cancelled with effect from the date of notification of the decision to the CFO. The CFMG shall then surrender the Certificate to the Department.
103. The CFO shall have the right to enquire about the reason for such cancellation to ensure that no offence has been committed, as outlined under this Rules.

104. In the event the number of member household in the CFMG fall below five or the group ceases to meet the requirements under this Rules; the CFO shall notify the CFMG that its certificate shall be cancelled.
105. The Department shall suspend the rights and privileges of the CFMG to control, manage and utilize the CF upon the recommendation of the CFO, in the event of the following:
- 1) The CFMG is unable to manage the Community Forest according to its management plan or otherwise fails to meet their responsibilities; and
 - 2) The CFMG has engaged in any activity in contravention of the provisions of the Act, Rules, by-laws or the management plan.
106. The suspension shall be for a minimum period of 3 years. During the suspension period, the CFMG members shall not be eligible for any forest produce from the SRF.

Annexure 1: CFMG membership list

Date: 26 to 30/05/2022

Registration form
Bjemo Community Forest Management Plan Revision, Bjemo village, Chapcha Gewog

Sl.No	Name	CID Number	H/H No	Thram/No	Signature
1	Phuntsho	10204001496	kha-4-375	1062	
2	Thinley	10204001736	kha-4-371	1150	
3	Tobgay	10204001650	kha-4-70	371	
4	Tandin Gyeltshen	10204001494	kha-4-50	182	
5	Lgyen	1070500351	kha-ni/38	444	
6	Gyemo	10204001741	kha-4-446	1147	
7	Tashi Penjor	10204001661	kha-4-71	95	
8	Phunb Dem	10203005338	kha-4-513	370	
9	Langa Dorji	10204001329	kha-4-331	343	
10	Tawm	1060500002	kha-4-ni/92	183	
11	Tendelzangmo	11506006291	kha-4-ni/90	1108	
12	Sangmo	10608000586	kha-4-ni/91	1048	
13	Tshering	1071600109	kha-4-ni/39	440	
14	Tshering Choki	10605002788	kha-ni/95	1396	

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ཐུང་པོ་ལྷོང་གི་འགན་ཁུར་པ།

ཐུང་པོ་ལྷོང་གི་འགན་ཁུར་པ།

Annexure II; AAC for Block I; Gangchukha**Block wise Annual Allowable Cut (AAC) per year for forest products****Stand stock table results for T Trees**

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block I	0.6731 3	7.5	5.49625	16.25	15.1	19.375	245.354	70

Stock available for 10 years

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block I	26.251 9	292.5	214.354	633.75	588.9	755.625	9568.81	2730

AAC per year

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block I	0.24	2.66	1.95	5.76	5.35	6.87	86.99	24.82
Total	0.24	2.66	1.95	5.76	5.35	6.87	86.99	24.82

Block wise Annual Allowable Cut (AAC) per year for forest products**Stand stock table results for N Trees**

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block I	5.04	61.25	11.87	40.63	28.54	43.75	99.49	58.75

Stock available for 10 years

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block I	196.5 6	2388.75	462.93	1584.5 7	1113.06	1706.2 5	3880.1 1	2291.2 5

AAC per year

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block I	1.79	21.72	4.21	14.41	10.12	15.51	35.27	20.83
Total	1.79	21.72	4.21	14.41	10.12	15.51	35.27	20.83

Annexure III; AAC for Block II;KhamcheyTsawa**Block wise Annual Allowable Cut (AAC) per year for forest products****Stand stock table results for T Trees**

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block II	0.35	4	0.68	11	17.86	24	217.79	51

Stock available for 10 years

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block II	6.09	69.6	11.832	191.4	310.764	417.6	3789.54 6	887.4

AAC per year

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block II	0.06	0.63	0.11	1.74	2.83	3.80	34.45	8.07
Total	0.06	0.63	0.11	1.74	2.83	3.80	34.45	8.07

Block wise Annual Allowable Cut (AAC) per year for forest products**Stand stock table results for N Trees**

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block II	11.99	147	23.27	84	28.54	44	88.87	22

Stock available for 10 years

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block II	208.62 6	2557.8	404.898	1461. 6	496.596	765. 6	1546.3 4	382.8

AAC per year

Blocks	Dangchung 10-19		Tsim 20-29		Cham 30-39		Drashing 40 +	
	m3	Nos	m3	Nos	m3	Nos	m3	Nos
Block II	1.90	23.25	3.68	13.29	4.51	6.96	14.06	3.48
Total	1.90	23.25	3.68	13.29	4.51	6.96	14.06	3.48