

**WOONGTHI-SEZORE NYAMRUB COMMUNITY
FOREST
(1st REVISION)**


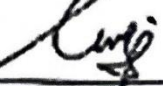

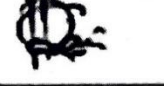
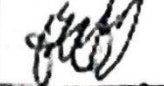


**VILLAGE: WOONGTHI-SEZORE
GEWOG: LAURI
JOMOTSANGKHA
JOMOTSANGKHA WILDLIFE SANCTUARY
PLAN PERIOD: 2023-2033**


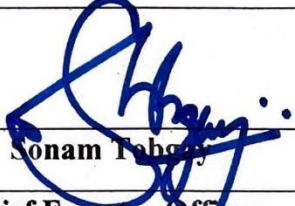
ANNEX 3: APPROVAL SHEET

Name of Community Forest	Klongthi Sazora Nyamrub
Village	Klongthi
Chiwog	Klongthi
Gewog	Lauri
Dzongkhag	Samdrup Jongkhar
Production area (Hectare/Acre)	106.44 Ha
Protection area (Hectare/Acre)	5.66 Ha
Total Community Forest Area (Hectare/Acre)	112.10 Ha
Total CFMG Member (No. of HH)	20

Prepared and Submitted for Approval

	Community Forest Management Group	Forestry Representative (CFMG Facilitator)	Gewog Administration	Social Forestry Section	Divisional/Park Office
Signature					
Name	Tshering Dorji	Tashi	Jigme Wang	Kiran Rai	Ugyen Tenzin
Title	Chairperson	Sr. Forester	GU	Head	Chief Forestry Officer

REVIEWED and RECOMMENDED FOR APPROVAL

Signature		
Name	Tshering Dorji	Sonam Tenzin
Title	Focal Officer	Chief Forestry Officer
Division	Forest Resources Planning and Implementation Section	Forest Resources Planning and Management Division

APPROVED BY:



DIRECTOR

Department of Forest and Park Services

Approval No. DoFPS/FRPMD/FRPIS/CF 2-2/2022-2023/846 Dated 28th March 2023

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Acronyms

1. CF – Community Forest
2. Ha – Hectare
3. CFMG – Community Forest Management Group
4. AAC – Annual Allowable Cut
5. T-tree – Timber tree
6. N-tree – Non timber tree
7. NWFP – Non-Wood Forest Produce
8. M3 – Meter cube
9. CFT – Cubic feet
10. SRF – State Reserved Forest
11. Masl- meter above sea level
12. NRDCL – Natural Resource Development Corporation Limited
13. T/L- Truckload

1. Executive Summary

Woongthi-Sezore Nyamrub Community Forest is located at the top of Woongthi-Sezore village, under the Gewog administration of Lauri. The total area of CF is 112.10 hectare (ha). Out of it, 106.44 ha is a net-production area and remaining 5.66 ha falls under protection zone, including drainage and water sources.

It is observed that Community Forestry members (CFMG) have utilized forestry resources sustainably over last 10 years as per management prescriptions underlined in the management plan. The harvest record of timbers during the management period did not exceed the annual allowable cut. Community Forest comprises of one block with average basal area of 26.04m²/ha.

The timber stocks in the CF are sufficient to meet the demand of CFMG. There is also opportunity for CFMG members to sell surplus T-timbers, or N-trees and to generate income. The income from sale of forest products could be utilized for plantation and its maintenance and initiating other developmental activities in the community.

The AAC for Drashing sized timber is 27 (for construction of houses) and N-tree is 39 (for firewood). The timber allotment procedure to CFMG members shall be based on this AAC, calculated based on the resource assessment. There is no demand for Dangchung, Tsim and Cham size timber trees

Agriculture is a primary source of livelihood in village. People cultivate maize, cereals, and vegetables for self-consumption. Cardamom is the main cash crop for the people of this community. People also rear livestock as practiced traditionally.

2. Part I: Introduction

Woongthi-Sezore Nyamrub Community Forest is located at periphery of Sezore-Woongthi village. The CF is well managed by the CFMG members, and it is located between an elevation range of 1395 to 2299 masl.

The Community Forest Management Group (CFMG) was established in 2013 comprising of 21 members. One member has resigned during this revision phase in 2022. The present CF comprises of 20 CFMG members with total area of 112.10 ha.

Prior to the revision of the plan, the monitoring and evaluation of past management activities carried out. Therefore, this plan contains a new topic “Review of the Past Plan”.

This plan is revised for a period of ten year henceforth. The plan consists of Part I and II, where part I describes about resources and the part II about by-laws and governance.

2.1 Review of the Past Management Plan

Timber resources and other forest produce were harvested sustainably in accordance with AAC specified in the management plan. Record maintained with CFMG showed that 217 numbers of trees were not harvested as per AAC (Table 1).

Table 1: Resources extraction record

Forest produce Type	Initial demand (10 years)	AAC (10 years)	Actual harvest in 10 years	Remarks
Drashing	80 trees	250 trees	37 trees	2 timbers saved
Cham	50 trees	590 trees	0	590 timbers saved
Firewood	69 trees	430 trees	0	430 trees saved

The total bank book saving of the CFMG is **Nu. 136128.33/** (One lakh thirty-six thousand one hundred twenty-eight) only. The sources of fund include membership fees, permit fees on forest produces, fines and penalties and sales of timbers.

CFMG sold 412 cft timbers, generating amount **Nu. 131,440**. The incomes from sale of timbers have been utilized for creation of plantation in CF.

For future sustainable production of timber, CFMG have initiated plantation of valuable timber species tree, including *Michelia champaca*, *Toona ciliata*, and *Juglans regia* and *Bambusa nutans*. The total area of plantation is 2.71 Ha.

The total numbers of trees planted by CFMG is reflected below (Table 2).

Table 2: Plantation activities carried out in CF

Plantation site (CF)	Quantity(nos)	Species	Total area
Sezore - Saketang	2560	<i>Michelia champaca, Toona ciliata, and Juglans regia</i>	2.18 Ha
Wabrangsa/Woongthi Silam Thar		<i>and Bambusa nutans</i>	0.53 Ha

3. Objectives

The objectives of the revised Community Forestry are as follows:

- ✓ *Sustainable utilization of forest resources*
- ✓ *Income generation from sale of excess forest produce*
- ✓ *Protection of water sources*
- ✓ *Plantation in barren and degraded land.*

4. Community Forestry Map

Community Forestry map are of two types. One is boundary map and other is area utilization map (Figure 1 and 2). The utilization map constitutes of production and protection areas. Production area comprised of areas suitable for extraction of timber and NWFPs. While protection areas have been delineated for protection of drainage and water sources. A buffer of 30 meters on either of drainage and 50 meters of water sources (radius) have been delineated as protection areas. Harvesting of resources will not be allowed from the protection areas.

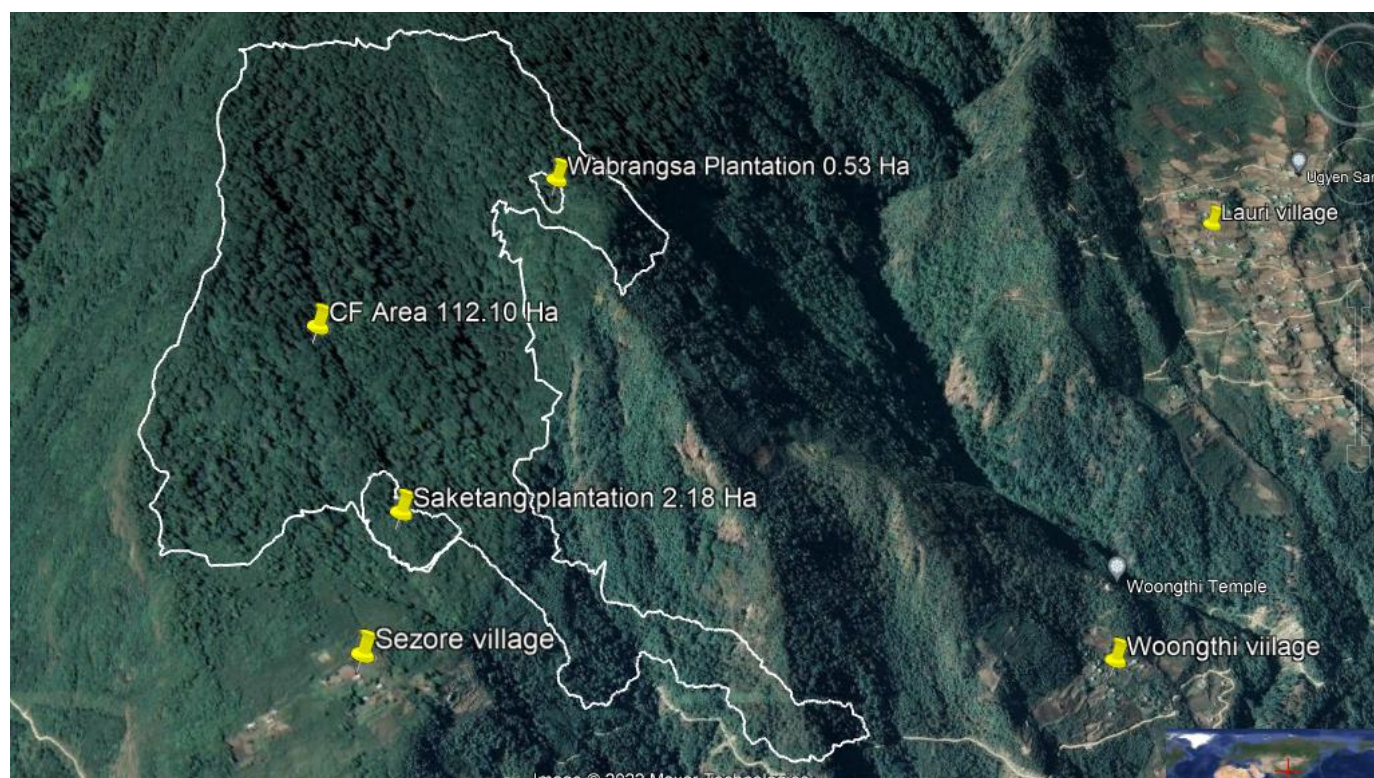


Figure 1: CF boundary Map

4.1 Table 2: Community Forest boundaries

Boundaries	Permanent features
West	State Reserved Forest (SRF)
East	Sezore village and Farm Road
South	State Reserved Forest (SRF)
North	State Reserved Forest (SRF)

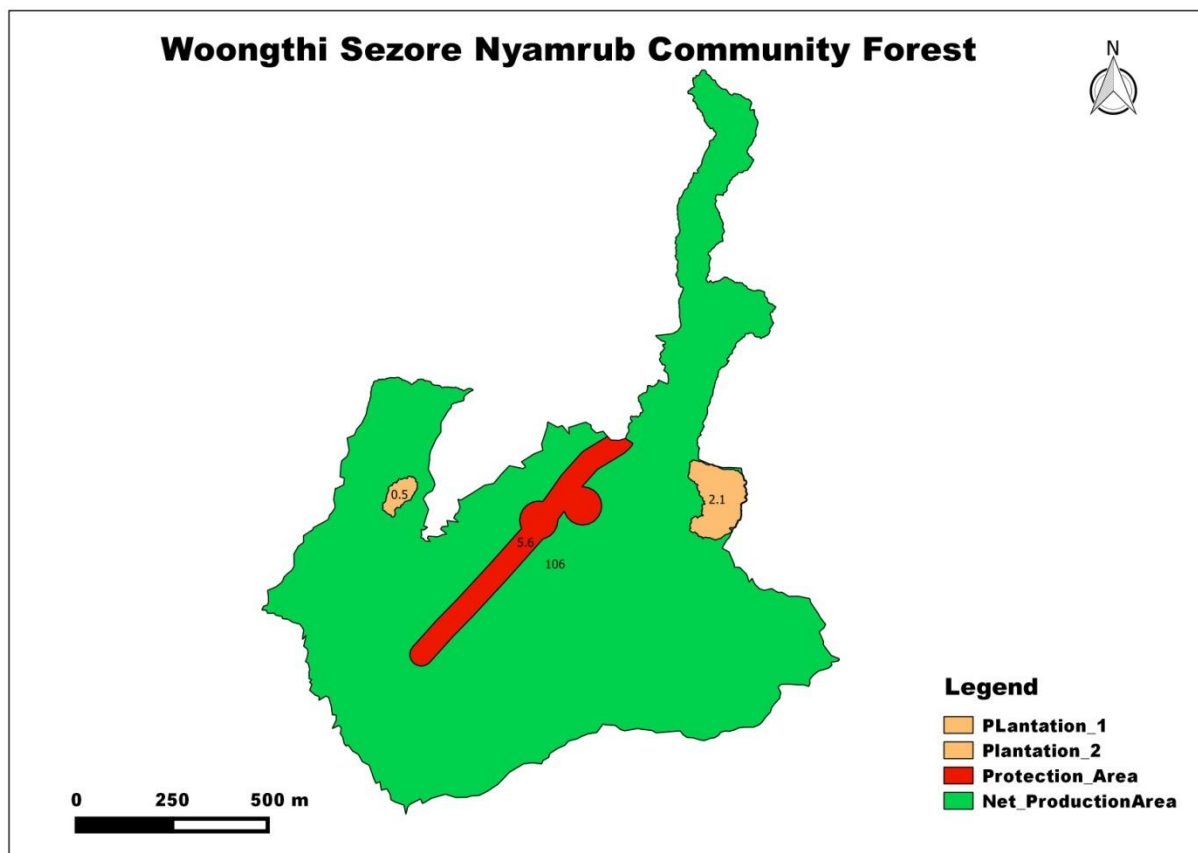


Figure 2: CF utilization map

5. Social Information

Information types	Description
Name of the village	Woongthi-Sezore
Ethnic groups with CFMG	Sarchop/Tshangla
Basic amenities	Mobile network, farm roads, electricity line, Early Childhood care and Development (ECCD)
Total households (HH) number of CFMG	62
Population of CFMG	146
% male and % female	48.63% and 51.37%
Main source of income	Cardamom, vegetables, dairy products, temporary employments
Cattle population of the CFMG	82(approx.)
Main crops	maize, cereal crops, vegetables
Cropping pattern	Annual
Any other information	

5.1 Forest Information (Whole Forest)

Name of Community Forest	Woongthi-Sezore Nyamrub Community Forest
Date of Assessment	15/11/2022 -19/11/2022
Name of the Block:	Sezore Tod
Total area of the Block:	106.44 Ha: (Production area)
Name of recorder	Kiran Rai, Nidup Dorji, Yourpey and Tashi

Forest and vegetation Type: (tick all those present, refer definition below)
Forest Types: Forest and thicket/pole stage
Vegetation type : Warm Broadleaved Forest

Forest Condition (Complete if the block is mainly forest)	
Write the name of main tree species	
Local name	Scientific name
Champayshing	<i>Michelia champaca</i>
Golshing	<i>Phoebe spp.</i>
Rawshing	<i>Toona ciliata</i>
Lemshingh	<i>Exbucklandia populnea</i>
Khesing	<i>Juglans regia</i>
Sangshing	<i>Betula spp.</i>

Plantation	
Plantation: Yes	
Year: 2015, 2017 and 2018	Plantation status: Excellent (85-100%)
Total seedlings planted	2560 numbers (by CF members)
Type of tree species planted:	<i>Michelia champaca</i> , <i>Toona ciliata</i> , <i>Juglans regia</i> and <i>Bambusa nutans</i>

Forest Condition – Age
Age: Main canopy of matured trees
Canopy density (tick the main canopy): Dense, Canopy density $\leq 40\%$
Regeneration(including coppice regrowth): Few species are abundant and some are scattered/few
Approximate density of seed trees: Moderate, 10 - 50 seed tree per ha
Write the names of 3 main species in regeneration
1) <i>Litsea monopetala</i> 2) <i>Persea spp.</i> 3) <i>Exbucklandia populnea</i>

Regeneration: Seedlings >30cm and <1.3m height. DBH, less than 10cm

Block Condition- Summary: Basal area of CF: 26.04 m²/ha

Canopy closure: ≤ 40, Canopy height: ≤ 20

Does the main forest canopy consist of large, matured trees?: Large

Main fodder species being used (list 3 only)

Local name	Scientific name
Kamley	<i>Boehmeria species</i>
Khanlu	<i>Ficus semicordata</i>
Chongma shing	<i>Ficus roxburghii</i>

Pasture quality (list the 3 dominant species in the grassland)

Local name	Scientific name	Palatable/unpalatable
Kamley	<i>Boehmeria species</i>	palatable
Chongma shing	<i>Ficus roxburghii</i>	Palatable
Kamley	<i>Boehmeria species</i>	

Pasture use pattern: Seasonal

Type of user: Local (CF members)

Catchment Condition

Catchment condition - Soil cover

Soil cover	Soil cover class
25 - 50% of the soils are covered by vegetation	moderate ✓

Catchment condition - Soil Type and erosivity

Soil type (colour, texture and type): Non –erosive

Catchment condition – Slope: >20°, sloppy
Catchment Condition – Summary: Less critical

Use table to decide on catchment conditions

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

Fauna (List any animal or bird species seen or which are known from the block)	
Local name	Scientific name
Kalij pheasant	<i>Lophura leucomelanos</i>
Leopard	<i>Panthera pardus</i>
Sambar	<i>Rusa unicolor</i>
Deer	<i>Muntiacus muntjac</i>
Wild boar	<i>Sus scrofa</i>
Gaur	<i>Bos gaurus</i>
Bear	<i>Ursus thibetanus</i>

5.2 Biotic Pressure (tick those present)

Fire	Absent
Grazing	Common
Fodder collection (list main species used)	Common
NWFP collection (broom, cane & mushroom)	common
Leaf litter collection	limited
Encroachment	Absent
Pole harvesting	Occasional
Fuelwood harvesting	Common
Timber harvesting	Common

Hunting	Absent
Others(describe)	

6. Forest Management Matrix

CF Management Procedures					
1	Produce/service	Timbers and fire woods	Water source	NWFPs	
2	Main species	<i>Michelia champaca</i> , <i>Toona ciliata</i> , <i>Litsea spp</i> and <i>Betula spp.</i>	Drinking purpose	<i>Girardinia diversifolia</i> (Zangroo)	<i>Pouzolzia sanguinea</i> (Yongjiba)
3	Problems	Extraction in protection areas	Felling or harvest around water sources	Over harvest from one place	Over harvest from one place
4	Opportunities	Sell surplus timbers for income generation. Sell firewood to customers.	Utilize for drinking and irrigation purpose	Sell surplus quantity for income generation	Sell surplus quantity for income generation

5	Management objectives (reflecting problems and/or opportunities)	1.Income generation 2.Keep 30m buffer distances in drainages and 50m circular distances in water sources and also 30 m buffer above and below road	Restrict felling nearby water sources or streams.	Follow harvesting guidelines strictly.	Follow harvesting guidelines strictly.
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6	Activities to achieve the objective (mark as H, M or L)	1.Sale of surplus timber(M) Avoid marking in protected areas(H) Sale of firewood	Avoid extraction around water sources	Avoid over harvest from one place	Avoid over harvest from one place
7	Procedures	Follow timber harvesting/market ing guidelines	Marking of timbers nearby water sources to be avoided	CFMG committee to look for market	CFMG committee to look for market
8	Responsibilities	CF Management Committee, CFMG, concern Park Range office	CF Management Committee, CFMG, concern Park Range office	CF Management Committee, CFMG, concern Park Range office	CF Management Committee, CFMG, concern Park Range office

7. Forest Produce Demand Assessment

Product	Purpose	Unit	No. of trees per HH	No. of HH	Total	Total in 10 years (No. of trees)
Drashing	New	Nos. Cft (Sawn form)	5 trees or 700 cft	2 2*700 =1400cft	10+6=16 2200 cft	160
	Repair	Nos Cft (sawn form)	3 trees or 400	2 2*400 =800		
Firewood		nos	2	15	30	300
Fencing post		nos	10	5	50	500
Flag poles		nos	10	5	50	500
Rasu		nos.	20	5	100	1000

8. Blockwise Annual Allowable Cut

	Drashing	Cham	Tsim	Dangchung	Firewood	Fencing post Flag poles	Remarks
No. of trees	27	11	6	2	39	57	
Volume(m3)	65.95	6.49	1.51	0.17	105.77	9.77	
Volume (in cft)	2329.21	229.30	53.45	6.03	3735.76	345.07	

8.1 AAC and Demand Comparison

Annual Allowable Cut and Demand							
Produce	Total AAC		Total annual Demand		Difference		Comments
	No. of trees	Volume (in cft)	No. of trees	Volume (in cft)	No. of trees	Volume (in cft)	
Drashing	27	65.95 m3 2329.21 cft	16	2200	11	129.21	
Cham	11	6.49 m3 229.30 cft	0	0	11	229.30 cft	No demand
Tsim	6	1.51 m3 53.45cft	0	0	6	53.45cft	No demand
Dangchung	2	0.17 m3 6.03 cft	0	0	2	6.03 cft	No demand
Firewood	39	105.77 3735.76	30	0	9	NA	
Fencing post Flag poles	57	9.77 345.07	100	NA	- 43	NA	

9. Permit Fees

Sl/No	Products	Permit fee (Nu) for members
01	Drashing	500/- per tree
02	Fire wood	50/- per tree
04	Flag poles	5/ - one piece
06	Fencing post	2- one piece (If sawn from 1 tree,Nu.500)
07	Rasu	2 per piece

10. CFMG Timber Allotment

Timber Allotment Procedure

1. Construction Approval should be obtained by the applicant from Gewog/Dungkhag administration
2. Application should be submitted to JWS office.
3. Marking of tree by the forestry officials will be carried out.
4. Timber allotment for new construction will be issued in every 25 years
5. Timber allotment for maintenance/repair will be issued after 12 years
6. Lending of timbers within CFMG shall be allowed with proper document between lenders and borrowers. The CF Management Committee should countersign.
7. The individual CFMG is not allowed to sell his/her timber shares.
8. Applicants wishing to apply for timbers need to fill up *ANNEX 14: APPLICATION FORM FOR FOREST PRODUCE FROM CF FOR RURAL USE* (Attached in the Annexure list)
9. Any timber fallen while farm road or other developmental works being carried out inside CF shall be allotted to CF members. CFMG can decide for those fallen timbers.

11. Marketing CF Products

Marketing procedures for forest produce sale				
Sl. no	Forest products	Unit	Rate (Nu)	Sale Procedure
1	Timber	Cft (Shall not allow to sell in standing form)	<p>Minimum price of sawn timber should be Nu.400/cft. Price should be fixed by sale committee. Sale committee will comprise of 3 management committee members, 2 committee members and 5 CF general members and 1 forest staff. Legal agreement shall be drawn between sale committee members and buyers.</p> <p>Special class: Nu.600 (<i>Juglans regia</i> (Khesing), <i>Morus spp.</i></p> <p>A Class: Nu. 500 – 600 per cft (<i>Michelia champaca</i> (Champayshing), <i>Betula spp</i>(shangshing), <i>Phoebe spp</i>, <i>Acer spp</i>(Sermalingshing)</p> <p>B Class: Nu. 400 – 450 per cft. <i>Toona ciliata</i>(Rawshingh), <i>Nyssa javanica</i>(Zalashing), <i>Exbucklandia populnea</i> (Lem shing) and others</p> <p>Role of park staff –Not as decision maker, but act as a facilitator for deciding rate (after analyzing market rate situation)</p>	<p>Conduct meeting in group and maintain minutes. Forward the minutes countersigned by all sale committee members + proposal for sale to Range Officer/CFO for verification and approval. Internal timber movement order (ITMO) from Park Range/Beat Office is required for transportation (sale). Commercial royalty has to be paid to Park Office by buyers.</p>
3	Fire wood	No. of tree or M ³	Prevailing market rate/ NRDCL rate. Fix rate before start of marking and harvesting.	Same as timbers
5	<i>Rubia cordifolia</i>	Kg	Prevailing market rate	Collection permit is required

				for commercial collection (CFMG) Committee members should arrange auction, in consultation with park staffs. Follow NWFP market sale procedure.
6	<i>Pouzolzia sanguinea</i> (Yongjiba)	Kgs	Prevailing market rate	Collection permit is required for commercial collection(CFMG) Committee members should arrange auction, in consultation with park staffs. Follow NWFP market sale procedure.
	<i>Girardinia diversifolia</i> (Zangro)	kg	Prevailing market rate Nu.1700 per kg at present (dried fibre)	Collection permit is required for commercial collection (CFMG) Committee members should arrange auction, in consultation with park staffs. Follow NWFP market sale procedure.

12. Permission for Developmental Activities inside CF

Any developmental activities, going inside or through community forest, including farm road construction or maintenance, electric line supply, other construction activities should follow these steps:

1. Get permission/No Objection Clearance from CFMG members
2. Any damage to the CF resources should be compensated. The compensation shall be determined by CFMG prior to execution of works.
3. CFMG members have right to stop the work if the work is initiated without the consent from CFMG.

13. Brief description of NWFPs for commercial harvesting

<i>NWFP name</i>	<i>Harvesting area(s) (name)</i>	<i>Parts harvested</i>	<i>Use purpose (traditional & others)</i>	<i>Harvesting season (months)</i>	<i>Estimated quantity that can be collected¹</i>
Mushrooms	All parts of CF area	Entire mushroom	Vegetable	July-Oct	30 kgs
<i>Rubia cordifolia</i> (Lhaneru)	Kochorong, Dhodom, Saketang, Thumringta, Chumbapthar		Dyes	Nov-Dec	600 kgs Collectors have to pay Nu.10 per kg to CFMG fund
<i>Girardinia diversifolia</i> (Zangroo)	Sanshingna, Lungprenang, Wabrangsa, Dhodom and Silamthar. Collectors have to pay Nu.5 per kg (wet) to CFMG group fund.	Fibre	Weaving	Sept - Oct	100 kgs(wet), equivalent to 20 kgs when dried.
<i>Pouzolzia sanguinea</i> (Yongjiba)	Dhodom, Chumbabtey -30 minute Collectors have to pay Nu.10 per kg to CFMG fund.	Fibre	Incense	Aust – Feb	200 kgs
Rasu	Mujupoktorwok - 1.30 hour	Culm	Fencings and carrying baskets		2000-30000 culms

14. Harvesting prescriptions for sustainable harvesting

<i>NWFP species</i>	<i>Harvesting prescriptions for sustainable harvesting</i>
Mushroom	<ol style="list-style-type: none"> 1. Do not use knife for harvesting mushrooms 2. Do not scratch or disturb the logs/soil while harvesting 3. Use bamboo baskets rather than plastic bags for collection and transportation of mushrooms.
<i>Rubia cordifolia</i> (Lhaneru)	<ol style="list-style-type: none"> 1. Use sharp knife for harvesting of the upper part of the plant. 2. Cut the plant at 5cm above the ground level. 3. Leave at least 10% of the plants without harvesting 4. Do not collect roots 5. Do not uproot entire plants.
<i>Girardinia diversifolia</i>	<ol style="list-style-type: none"> 1. Do not harvest the whole clump, while harvesting. Keep at least 10% for regeneration.

(Zangroo)	<ol style="list-style-type: none"> Do not damage the young shoots while harvesting fibres from matured stand. Grazing is not allowed in Mar – Sept in <i>Girardinia diversifolia</i> (Zangroo) growing area.
<i>Pouzolzia sanguinea</i> (Yongjiba)	<ol style="list-style-type: none"> Cut the plant at 10 cm above the ground level. Do not damage the remaining young stands/seedlings/saplings Felling of surrounding trees to ease the harvesting is prohibited Leave at least 10% of the plants to allow natural regeneration Harvesting of roots is strictly prohibited for ecological reason

15. Marketing and sales plan

NWFP	Potential market	Units	Estimated quantity for sale per season (unit)	Expected price per unit	Total (Nu)
<i>Rubia cordifolia</i> (Lhaneru)	India	kg	600	60	36000
<i>Girardinia diversifolia</i> (Zangroo)	Thimphu	kg	20 (dried)	1700	34000
<i>Pouzolzia sanguinea</i> (Yongjiba)	India	kg	200	50	10000

16. Participatory Environment Assessment

Participatory Environmental Assessment Chart								
	Potential Environmental Effects				Potential Socio-Economic Effects			
Activity proposed in CFMP	Soil	Water	Wild animals	Plants	Traditional forest use	Cultural/religious values	Local employment	Local benefits from forest produce
Plantation	+++	+++	++	+++	+++	0	+++	+++
Climber cutting and cleaning	+	-	--	+++	--	0	+++	--
Fencing	+	+++	-	++	++	+	+	++

Forest fire control	+++	+++	+++	+++	+++	0	+++	+++
Patrolling	+	+	++	+++	+++	0	+++	+++
Harvesting of timber	--	---	--	--	+++	0	+++	+++
Grazing	-	-	0	-	0	0	0	0

+++ Positive effects

--- Negative effects

0 No effects

16.1. Address potential negative effects

Activity	Procedure
Harvesting of timber	CFMG should carry out plantation in the harvested area, or else should identify potential plantation area, especially barren and degraded.
Grazing	Avoid grazing in the plantation, <i>Girardinia diversifolia</i> growing areas protected areas, water sources and regeneration areas
Fencing	Leave some portion of water for wildlife in case of fencing water source

17. Climatic hazard and vulnerability assessment

	Land slide	Drought	Forest fire	Animal disease	Reduced crop yields
Land slide	X				
Drought	Land slide	X			
Forest fire	Forest fire	Forest fire	X		
Animal disease	Animal disease	Drought	Animal disease	X	
Reduced crop yields	Reduced crop yields	Drought	Reduced crop yields	Reduced crop yields	X

1. 1st = Reduced crop yields

2. 2nd = Animal disease and forest fire
3. 3rd = drought + land slide

17.1 Climate vulnerability assessment

Socila group/sectors	Land slide	Drought	Forest fire	Animal disease	Reduced crop yieds
Rich members	2	3	0	3	3
Medium members	2	3	0	2	3
Poor members	3	2	0	4	4
Forest	3	2	4	0	1
Agriculture	3	4	1	2	3
Livestock	1	2	3	4	2

Ranking of vulnerable groups

1. 1st = Agriculture
2. 2nd =Poor members
3. 3rd =Livestock and rich member

18. Forest Product Preference Ranking Matrix

Product	Timber	F/wood	Water	Fodder	Fen/post	Yongjiba	Zangroo	Lhaneru
Timber	X							
Firewood	Timber	X						
Drinking water	Timber	Water	X					
Fodder	Timber	F/wood	Water	X				
Fencing post	Timber	F/wood	Water	Fencing posts	X			
Yongjiba	Timber	Firewood	Water	Fodder	Yongjiba	X		

Zangroo	Timber	Zangroo	water	Zangroo	Zangroo	Zangroo	X	
Lhaneru	Timber	Lhaneru	Water	Lhaneru	Lhaneru	Lhaneru	Lhaneru	X

1. 1st Timber counts: 7
2. 2nd Water counts: 6
3. 3rd Lhaneru counts: 4
4. 3rd Zangroo counts: 4
5. 4th Firewood counts: 3
6. 5th Yongjiba and fencing posts counts: 1

19. Species preference and availability

Species/Local name	Uses	Timber	Firewood
Champayshing, <i>Michelia sp</i>	Preference	xxxxxx	
	Availability	*****	
Kheshing <i>Juglans regia</i>	Preference	xxxxxx	
	Availability	***	
Lemshing <i>Exbucklandia populnea</i>	Preference	xxxxxx	
	Availability	**	
Rawshing <i>Toona ciliata</i>	Preference	xxxx	
	Availability	***	
Zala shingh, <i>Nyssa javanica</i>	Preference	xxxx	
	Availability	***	
Betula spp	Preference	xxxx	
	Availability	***	
Quercus and Castonopsis spp.	Preference		xxxx
	Availability		*****

20. Monitoring Plan

Participatory Forest Resource and Services Monitoring				
Activity	Indicator	How it will be monitored	Responsibility	Comments
Plantation in degraded areas	CFMG plantation record book	Plantation site visit	CF Management Committee to organize	Technical support from Park staff
Patrolling within CF to stop illegal activities	Patrol record book maintained and culprits apprehended	Refer CFMG patrol record book and crosscheck penalty-imposed record	CF Secretary will record the information	Executive members to maintain record
Protection of water source	Water source fencing	Site visits and inspection	CFMG members and technical forestry staffs	Technical support from Park staff
Sale of surplus timbers	Sale record book and bank balance	Cross check record keeping	CF management committee	Technical backstopping from Park staff
CFMG meeting	Meeting minutes	Refer minutes of meeting	CF management committee	Technical support from Park staff

21. Participatory Social and Institutional Impact Monitoring

Activity	Indicator	How it will be monitored	Responsibility
CF executive members meeting	Meeting minutes	Park staffs shall crosscheck meeting minutes during annual monitoring	CFMG with park staff's facilitation
CFMG general meeting	Attendance registers and minutes of meeting	Meeting records	CFMG with park staff's facilitation
Resource allocation based on equity	Refer forest utilization record book	Refer record keeping book	CF management committee

22. Annual Work Plan

Activity	Jan-March	April- June	July-Sept	Oct- Dec
CF general meeting	Need basis	Need basis	Need basis	Need basis
Timber application			Aug - Oct	
Permit issuance, marking and felling				
Permit validity	Repair - 1 year. New construction – 2 years. After expiry of validity date, cancel the timbers and give to other applicant			
Extraction and transportation to construction sites				
Firewood marking				
Patrolling	Once	Once	Once	Once
Climber cutting and thinning				Once in a year

23. PART II : By- Laws

23.1 Membership Arrangement

- ✚ The membership shall be defined by having proper gung number and have to be a resident to the village.
- ✚ Members fragmented from family who have contributed labour during parents time is allowed to join, but have to pay individual share (divided from total fund)
- ✚ Anyone interested can join as new member after registering his/her census in the village and he / she should bear the expenditure of plantation/weeding or cleaning and also individual share (divided from total fund). He or she should pay membership fees too.
- ✚ Members leaving the CFMG without interest/on bad terms shall not get any bank sharing accumulated.
- ✚ Members leaving CF on good terms and condition, such as resettlement, could not work due to old age/disabled shall get his/her share (individual bank sharing) accumulated till date.
- ✚ Members not accepting to pay fines/penalties on time shall not be given forestry produce entitlement until he/she clears the dues.

23.2 Management Committee formation

List of CFMG Committee members		
Sl. No	Name	Designation
1	Tshewang Dorji	Chairperson
2	Wangchuk	Secretary
3	Dendup Namgay	Treasurer
4	Lungten Dema	Committee member
5	Cheki Gyeltshen	Committee member

23.3 Tenure and Compensation for Committee members

The committee members including Chairperson, Secretary, and Treasurer and representatives' members shall serve for 10 years. After the completion of tenure, the same member could be re-elected, depending upon his/her capabilities/management skills. If the committee member does not perform duties as expected by CFMG, he/she will be expelled before completion of his/her tenure. For meeting or any training, any official works, executive members shall be paid for vehicle charge for to and from journey

Training or meeting expenditures should be given to CF Management Committee if they do

not get travel claim and daily wage from meeting or training coordinators.

Voucher for committee members:

1. Chairperson =Nu.800 as voucher allowance annually
2. Secretary and Accountant= Nu.600 each as voucher allowance annually

23.4 Terms of Reference for CFMG management Committee

1. Represent the CFMG in its interaction with other agencies including the forestry staff.
2. Represent the CFMG members during preparation and implementation of CFMP
3. Coordinates and organizes the administration of CF activities and operations and ensures that CFMG fulfil their management responsibilities.
4. Responsible for the equitable distribution of benefits amongst CFMG member.
5. Responsible for management of forest resources.
6. Responsible for enforcing the by-laws of the CFMG and for collecting fines and penalties.
7. Responsible for ensuring that all the legal requirements for CF are met (including all types of records that need to be kept).
8. Responsible and accountable for CFMG fund collected from various sources.
9. Responsible for organizing and conducting CFMG meetings when required.

23.4.1 ToR of Chairperson

1. Head the CFMG
2. Calls meeting whenever necessary and informs concerned persons about date, time, place and the reasons for meeting.
3. Chairs and facilitate meetings and make sure each person is allowed to speak, thereby giving everyone in a fair chance to speak and raise issues
4. Approve applications for forest products (with Secretary and accountant).
5. Countersign financial transaction and authorization to draw cash from the bank account (with Treasurer)

23.4.2 ToR of Secretary

1. Assist the Chairperson and officiate him/her during his/her/ absence.
2. Manage the correspondence (writing of letters and minutes of meetings) for the CFMG.
3. Maintain the files of the CFMG
4. Maintain the list of CFMG members
5. Approve applications for forest products (with Chairperson)
6. Keep minutes of the CFMG meetings
7. Prepare Annual Progress Report (with other CF Management Committee members)

23.4.3 ToR of Treasurer

1. Looks after any financial transactions on behalf of the CFMG
2. Keep records of expenditure and labour contribution during CF activities
3. Give detailed account of how much money or labour has been contributed, how much has been spent and how much is still left, at every CFMG meeting (or as required)
4. Prepare the Annual Financial Report for the CFO (with assistance of other CF Management Committee members)
5. Countersigns financial transaction and authorisation to draw cash from the bank account (with Chairperson)

23.4.4. Roles and Responsibility of CFMG

1. To follow the procedures and rules of the CFMG as outlined in the CFMP and bylaws.
2. Participate in CFMG planning and decision making.
3. Election of CF Management Committee members.
4. Participation in drafting of the CF management plan and CFMG bylaws.
5. Participate in the CFMG meetings.
6. Cooperation with the CF Management Committee in carrying forest management and other management operations especially by contributing labour whenever required.
7. Become involved in other CFMG activities as planned.
8. To remind CF Management Committee for conducting meeting on time.

24. Fines and Penalties

Timber Products	CFMG members		
	Fines/penalty (Nu)	Products	
I. Illegal felling of following types of trees: 1.Drashing 2.Cham 3.Tsim 4.Dangchung Flag pole Fencing posts	1. 5000/tree 2.3000/tree 3. 500/tree 4. 500/tree 100 per piece 100 per piece	The product will be seized and utilized by the CFMG. If offenders want to take it, have to pay compensation price too (selling price fixed) and take it. If compensation is not paid by offenders, timbers will be seized, and have to pay fine /penalty as mentioned. If taken, offenders have to pay fine on DBH measurement basis in volume. If fallen and started sawing, fine shall be on girth/diameter basis. Tsim and Dangchung shall be given to offender	
Absent during CF meeting	215/- per occasion	-	
Absent during CF field works/activities	215/- per day		
Heavier works like bamboo collection for protection of seedlings in plantation sites.	500 per day		
Felling of fire wood	2000/- per tree	Firewood shall be seized	
Setting of forest fire in the CF	As per FNCR 2018.	5000 per day + Suppression cost Nu.3000 per day	
Damage of seedlings by cattle	1000 for cattle entry (single or group). However, if seeding is damaged; penalty of Nu.200 per seedling shall be levied.	The CFMG shall replant the damaged seedlings.	
Illegal collection of Rasu(smaller bamboo)	10/ per piece	Small bamboo	Collectors will be allowed to take them
Illegal collection of <i>Rubia cordifolia</i> and <i>Pouzolzia</i>	1000/ one time	Per head load (fresh one)	Collectors will be allowed to take them

<i>sanguinea</i>			
Grazing is not allowed in Mar – Sept in <i>Girardinia diversifolia</i> (Zangroo) growing area.	Nu.500 for one day cattle entry/grazing	Give to them	
Felling of trees in protected areas	Nu.500 per tree(Protected area includes drainage buffer, road buffer, water sources buffer, 30 meter for drainage,50 meter circular buffer for water sources,50 meter for road. This fine is additional amount on top of normal fine mentioned above.		
Collection of any specimen of saplings, climber, medicinal plants, ornamental plants. 100 per piece			
Antipoaching/taking wildlife shall be dealt per FNCR 2017.Inform to Park Office.			

25. Sources of Fund

The sources of fund for CF are:

- Membership fees .Nu.200 /year.
- Fines or penalties paid by CFMG members or non members
- Permit fees
- Sale of forest products (timber, NWFPs,firewoods)
- Donations

26. Procedure for fund management

1. The management committee shall continue saving money in existing bank book.
2. The account shall be operated under the joint signatory of the CF Chairperson and the Treasurer.
3. Money receipts should be issued for all payments received
4. Contingency fund of Nu. 5,000 may be kept with the Treasurer.
5. Amount upto over Nu. 5,000 (five thousand only) should be deposited within 10 days. Failure to deposit on time, the Treasurer shall be liable to pay penalty and deposit in the CF account. Penalty of Nu.500 shall be levied. A collected amount should be deposited within 10 days.
6. All money received should be recorded in the Cash Book by the Treasurer
7. The Treasurer collects all contributions, fees, fines, donations and maintain records
8. The Treasurer shall present the schedule of collections to the CFMG at least annually.
9. There should not be any over-writing, use of correction of fluid, tearing of pages, etc. in the record keeping books and money receipts including permit books.
10. All financial records should be made available to authorized auditing team/inspection team anytime.
11. The Treasurer shall maintain all detail expenditure records (receipts, vouchers, bills, including minutes of meetings, etc.). All such expenses shall be immediately recorded in the cash book.
12. The Treasurer shall present the details of expenditure to the CFMG members and concerned inspection team(s).
13. The concerned Forestry Officer shall ensure the compliance of above provisions.

27. Scope for fund utilization

The CFMG shall discuss and decide on fund utilization during the meeting. The followings are some of the areas where CFMG can utilize their CF fund. Based on the table below, the CFMG shall allocate the CF fund on different priority areas.

Areas of fund Use	Limit (%)
CF development activities (CF review, nursery creation, plantation, thinning, cleaning, salvage operation, sanitation, boundary demarcation, fire line creation, etc.)	Not less than 25
CFMG enhancement (Loan, capacity building, study visits, meeting, workshops, networking, visitors in CF, income generation and enterprises development, etc.).	Not more than 50
Reserve fund in the Bank (security)	Not less than 5
Others (to be decided by the CFMG members on e.g. incentives to victims of natural calamities, incentives to disadvantaged members/households, contribution to community Lhakhangs, water supply, farm road, etc.)	Not more than 20

28. Pro-poor provision

1. CF Management Committee Members shall conduct meeting and provide reasonable/presentable amount to poor households in times of dire need, e.g. in case of death, sickness, natural disasters
2. For poorer members, royalty on timbers shall be lesser amount.

29. CFMG Fund for Loans and its Procedure

Loan

CFMG have unanimously decided not to give loan facility to either CFMG members or outsiders. The reasons stated is that it is difficult for them to collect back money from lenders.

30. Meeting

The CFMG will conduct following meeting;

- General meeting
- Executive committee meeting

General Meeting

The CFMG will conduct meeting 2 times a year. The meeting points could be financial matters, presentation of physical progress in the field, prepare work plan, conflict resolution or other important issues. CFMG shall prepare *Annual Work Plan* and keep in their files for future record and submit a copy to the JWS office.

Executive Meeting

The meeting will be conducted as and when required. The possible agenda could be conflicts within members or outsiders, adhoc matters, financial transaction, plan activities and progress and achievements.

31. Conflict Management

Any conflict that arises among the CFMG members, the chairman and other executive members will try to resolve it within the CF management system in first hand. If the executive members are unable to solve, it shall be forwarded to the geog administration or forestry Range office. Further if it remains unsolved, it shall be forwarded to the CFO office and then to the court for justice.

32. Amedment of CFM plan and by-laws

The management plan shall be revised completely as new one after 10 years for crosschecking and analysing the CF evaluation report by the CFMG and DoFPS. Upon finding no improvement of CF and more of negative impacts on forest with the current management regime DoFPS according to Chapter III section 105 sub-section (1) and (2) have right cancel and convert back as SRF. All the minor or major issues, raised in the CFMG meeting shall be recorded and reflected in minutes of the meeting, for setting up plan.

In case, any major changes required in the management plan rules or regulation, amendments could be restructured/revised, upon approval. Proposal should be submitted to Forest Resource Planning and Management Division, Thimphu for necessary follow up and approval from the Department

33. Power of the Department

The Department shall suspend the rights and privileges of community forest user groups, 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 against the rules, bylaws or management plan.
3. 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.
4. The CFMG may apply for reinstatement of the Community Forest after the suspension period,if they have taken appropriate corrective measures.The following procedures shall be followed:

Submit the application to the CFO

The CFO shall recommend to the Department ;

The Department shall review and approve /reject.

The Department shall monitor the management plan activities and do auditing at the end of every year. The power of the Department is as per the section 102, 103, 104, 105, 106, 107, 110, and 111 of the FNCRR of Bhutan 2017.

34. Annexure

35.34.1 CF Application

Annexure VI: Application to establish Community Forests

ROYAL GOVERNMENT OF BHUTAN
MINISTRY OF AGRICULTURE AND FORESTS
Department of Forests and 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 Regulation, 2017, Tshawang Dorji
the Chairman of the Community Forest Management Group of Wangthi, Sazara
village(s) consisting of 20 households, would like to submit this application
for establishment of Community Forest (map attached)

- a) Gewog: Lauri
- b) Description of the State Forest land proposed for establishment of Community Forest:
- i) Name of the forest: Sazara
 - ii) Boundary description:
N State Reserve Forest (SRF)
S State Reserve Forest (SRF)
E Sazara village and Farm road
W State Reserve Forest (SRF)
 - iii) Estimated area: 112.10 (ha)
 - iv) Forest type: Warm Broadleaved Forest

Signature: Tshawang Dorji
Name of the CFMG Chairman: Tshawang Dorji
Date: 21 / 11 / 2022

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Annexure VI (continued)

COMMUNITY FOREST MANAGEMENT GROUP MEMBERSHIP

Sl.No	Name of Household Representative	CID Card No:	House No.	Tharm No.(If applicable)	Signature
1	Lunghen Dema	11104004456	110400545 NA-11-267	172	
2	Kelzang Gyeltshen	11104004403	110400535 NA-11-261	196	
3	Dorji Wangchuk	11104004419	110400537 NA-11-265	595	
4	Tashi Wangchuk	11104004429	110400539 NA-11-265	220	
5	Taw Lhamo	11104004382	110400531 NA-11-252	194	
6	Dechen Wangchuk	11104004400	NA-11-260	196	
7	Tijme Dorji	11104004349	110400525 NA-11-251	199	
8	Cheki Gyeltshen	11104004392	NA-11-249	189	
9	Wangchuk	11104004462	NA-11-264	170	
10	Norbu Gyeltshen	11104004369	NA-11-255	192	
11	Dendup Namgay	11104004496	NA-11-324	595	
12	Tshewang Dorji	11104004492	110400545 NA-11-251	218	
13	Bangay Pemo	11104004461	110400544 NA-11-250	233	
14	Dawa Zangpo	11104004489	110400543 NA-11-253	196	
15	Kelzang Tshering	11104004335	110400530 NA-11-	430	
16	Pem. Dendup	11104004442	110400621 NA-11-3546	160	
17	Lobzang	11104004474	NA-11-252	212	
18	Dawa	11104004447	NA-11-267	160	
19	Lunghen Tshering	11104002735	NA-11-573	633	

34.2 Compilation Sheets

1..Block Name		Sezore Tod				2. Compiling date		19/11/2022	
3. No of plots			164			4. Species group		<i>Michelia champaca</i>	
Col1	Species	Col2	Col3 (3 decimals)	col4 (3 decimals)	col5 (3 decimals)	col6 (0decimals)	col7 (2 ecimals)	col8 (2 decimals)	col9 (2 decimals)
dbh Class (cm)	T & N	Basal area (m2)	Class volume (m3)	Plot size (ha)	Expansion Factor	Tally	nrha (sterm/ha)	basha (m2/ha)	Volha (m3/ha)
10_19	T	0.017	0.086	0.05	0.12	2	0.24	0.00	0.02
20_29	T	0.047	0.297	0.05	0.12	11	1.34	0.06	0.40
30_39	T	0.093	0.677	0.05	0.12	18	2.20	0.20	1.49
40-49	T	0.156	1.258	0.05	0.12	17	2.07	0.32	2.61
50-59	T	0.233	2.065	0.05	0.12	22	2.68	0.63	5.54
60-69	T	0.327	3.121	0.05	0.12	11	1.34	0.44	4.19
70-79	T	0.436	4.446	0.05	0.12	6	0.73	0.32	3.25
80-89	T	0.561	6.061	0.05	0.12	4	0.49	0.27	2.96
90-99	T	0.701	7.983	0.05	0.12	8	0.976	0.684	7.788
100 +	T	0.858	10.227	0.05	0.12	4	0.488	0.419	4.989

1.Block Name		Sezore Tod				2. Compiling date		19/11/2022	
3. No of plots			164			4. Species group		<i>Betula spp.</i>	
Col1	Species	Col2	Col3 (3 decimals)	col4 (3 decimals)	col5 (3 decimals)	col6 (0decimals)	col7 (2 ecimals)	col8 (2 decimals)	col9 (2 decimals)
dbh Class (cm)	T & N	Basal area (m2)	Class volume (m3)	Plot size (ha)	Expansion Factor	Tally	nrha (sterm/ha)	basha (m2/ha)	Volha (m3/ha)
10_19	T	0.017	0.095	0.05	0.12		0.00	0.00	0.00
20_29	T	0.047	0.334	0.05	0.12	4	0.49	0.02	0.16
30_39	T	0.093	0.773	0.05	0.12	9	1.10	0.10	0.85
40-49	T	0.156	1.449	0.05	0.12	10	1.22	0.19	1.77
50-59	T	0.233	2.396	0.05	0.12	4	0.49	0.11	1.17
60-69	T	0.327	3.642	0.05	0.12	3	0.37	0.12	1.33
70-79	T	0.436	5.217	0.05	0.12	1	0.12	0.05	0.64

80-89	T	0.561	7.144	0.05	0.12	0	0.00	0.00	0.00
90-99	T	0.701	9.448	0.05	0.12	0	0	0	0
100 +	T	0.858	12.15	0.05	0.12	0	0	0	0

1. Block Name			Sezore Tod			2. Compiling date		19/11/2022	
3. No of plots			164			4. Species group		<i>Persea spp.</i>	
Col1	Species	Col2	Col3 (3 decimals)	col4 (3 decimals)	col5 (3 decimals)	col6 (0decimals)	col7 (2 ecimals)	col8 (2 decimals)	col9 (2 decimals)
dbh Class (cm)	T & N	Basal area (m2)	Class volume (m3)	Plot size (ha)	Expansion Factor	Tally	nrha (sterm/ha)	basha (m2/ha)	Volha (m3/ha)
10_19	T	0.017	0.086	0.05	0.12	1	0.12	0.00	0.01
20_29	T	0.047	0.295	0.05	0.12	6	0.73	0.03	0.22
30_39	T	0.093	0.673	0.05	0.12	10	1.22	0.11	0.82
40-49	T	0.156	1.25	0.05	0.12	6	0.73	0.11	0.91
50-59	T	0.233	2.051	0.05	0.12	14	1.71	0.40	3.50
60-69	T	0.327	3.099	0.05	0.12	3	0.37	0.12	1.13
70-79	T	0.436	4.414	0.05	0.12	0	0.00	0.00	0.00
80-89	T	0.561	6.015	0.05	0.12	0	0.00	0.00	0.00
90-99	T	0.701	7.921	0.05	0.12	0	0	0	0
100 +	T	0.858	10.147	0.05	0.12	0	0	0	0

1. Block Name			Sezore Tod			2. Compiling date		12/12/2021	
3. No of plots			164			4. Species group		<i>Acer spp</i>	
Col1	Species	Col2	Col3 (3 decimals)	col4 (3 decimals)	col5 (3 decimals)	col6 (0decimals)	col7 (2 ecimals)	col8 (2 decimals)	col9 (2 decimals)
dbh Class (cm)	T & N	Basal area (m2)	Class volume (m3)	Plot size (ha)	Expansion Factor	Tally	nrha (sterm/ha)	basha (m2/ha)	Volha (m3/ha)
10_19	T	0.017	0.441	0.05	0.12	1	0.12	0.00	0.05
20_29	T	0.047	0.334	0.05	0.12	8	0.98	0.05	0.33
30_39	T	0.093	0.6905	0.05	0.12	1	0.12	0.01	0.08
40-49	T	0.156	1.1895	0.05	0.12	5	0.61	0.10	0.73
50-59	T	0.233	1.8385	0.05	0.12	3	0.37	0.09	0.67
60-69	T	0.327	2.642	0.05	0.12	3	0.37	0.12	0.97
70-79	T	0.436	3.605	0.05	0.12	6	0.73	0.32	2.64

80-89	T	0.561	4.7325	0.05	0.12		0.00	0.00	0.00
90-99	T	0.701	6.026	0.05	0.12	3	0.37	0.26	2.20
100 +	T	0.858	7.491	0.05	0.12	1	0.12	0.10	0.91

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)									
1. CF Name		Woongthi-Sezore Nyamrub CF			4. Block Area			Hectares	
2. Block Name		Sezore Tod			5. Compiling date		19/11/2022		
3. No of plots		164			6. Species group		Other (T)		
Col1	Species	Col2	Col3 (3 decimals)	col4 (3 decimals)	col5 (3 decimals)	col6 (0decimals)	col7 (2 ecimals)	col8 (2 decimals)	col9 (2 decimals)
dbh Class (cm)	T & N	Basal area (m2)	Class volume (m3)	Plot size (ha)	Expansion Factor	Tally	nrha (sterm/ha)	basha (m2/ha)	Volha (m3/ha)
10_19	T	0.017	0.0885	0.05	0.12	12	1.46	0.025	0.13
20_29	T	0.047	0.311	0.05	0.12	20	2.44	0.11	0.76
30_39	T	0.093	0.7195	0.05	0.12	54	6.59	0.61	4.74
40-49	T	0.156	1.352	0.05	0.12	36	4.39	0.68	5.94
50-59	T	0.233	2.24	0.05	0.12	33	4.02	0.94	9.01
60-69	T	0.327	3.4115	0.05	0.12	5	0.61	0.20	2.08
70-79	T	0.436	4.892	0.05	0.12	3	0.37	0.16	1.79
80-89	T	0.561	6.7075	0.05	0.12	6	0.73	0.41	4.91
90-99	T	0.701	8.879	0.05	0.12	3	0.37	0.26	3.25
100 - 109	T	0.858	11.43	0.05	0.12	3	0.37	0.31	4.18

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)									
1. CF Name			Woongthi-Sezore Nyamrub CF			4. Block Area			Hec tare s
2. Block Name			Sezore Tod			5. Compiling date		19/11/2022	
3. No of plots			164			6. Species group		Other(N)	
Col1	Species	Col2	Col3 (3 decimals)	col4 (3 decimals)	col5 (3 decimals)	col6 (0decimals)	col7 (2 ecimals)	col8 (2 decimals)	col9 (2 decim als)
dbh Class (cm)	T & N	Basal area (m2)	Class volume (m3)	Plot size (ha)	Expansion Factor	Tally	nrha (sterm/ha)	basha (m2/ha)	Vol ha (m3 /ha)
10_19	N	0.017	0.0885	0.05	0.12	213	25.98	0.44	2.3 0
20_29	N	0.047	0.311	0.05	0.12	256	31.22	1.47	9.7 1
30_39	N	0.093	0.7195	0.05	0.12	228	27.80	2.59	20. 01
40-49	N	0.156	1.352	0.05	0.12	105	12.80	2.00	17. 31
50-59	N	0.233	2.24	0.05	0.12	87	10.61	2.47	23. 77
60-69	N	0.327	3.4115	0.05	0.12	53	6.46	2.11	22. 05
70-79	N	0.436	4.892	0.05	0.12	27	3.29	1.44	16. 11
80-89	N	0.561	6.7075	0.05	0.12	18	2.20	1.23	14. 72
90-99	N	0.701	8.879	0.05	0.12	23	2.80	1.97	24. 90
100 -109	N	0.858	11.4295	0.05	0.12	8	0.98	0.84	11. 15

NUMBER OF TREES														
5. estimated parameter			: Average Number of Trees per Ha											
DBH CLass	Reg(nos.)	Suitability	10-19'	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	Total	%
Species														
Michelia	3	T	0.24	1.34	2.20	2.07	2.68	1.34	0.73	0.49	0.98	0.488	12.56	7.37
		N												
Betula	1	T	0.00	0.49	1.10	1.22	0.49	0.37	0.12	0.00			3.78	2.2
		N												
Persea	5	T	0.12	0.73	1.22	0.73	1.71	0.37	0.00	0.00			4.88	2.9
		N												
Acer	3	T	0.12	0.98	0.12	0.61	0.37	0.37	0.73	0.00	0.37	0.12	3.78	2.22
		N												
Other T	12	T	1.46	2.44	6.59	4.39	4.02	0.61	0.37	0.73	0.37	0.37	21.34	12.52
	231	N	25.98	31.22	27.80	12.80	10.61	6.46	3.29	2.20	2.80	0.98	124.15	72.82
													170.49	100.00

estimated parameter"			: Average Basal Area per Ha (m2/ha)											
DBH CLass	Reg(nos.)	Suitability	10-19'	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	Total	%
Species														
Michelia	3	T	0.00	0.06	0.20	0.32	0.63	0.44	0.32	0.27	0.684	0.419	3.35	12.879
		N												
Betula	1	T	0.00	0.02	0.10	0.19	0.11	0.12	0.05	0.00			0.60	2.3
		N												
Persea	5	T	0.00	0.03	0.11	0.11	0.40	0.12	0.00	0.00			0.78	3.0
		N												
Acer	3	T	0.00	0.05	0.01	0.10	0.09	0.12	0.32	0.00	0.26	0.10	1.04	3.99
		N												
Other T	12	T	0.025	0.11	0.61	0.68	0.94	0.20	0.16	0.41	0.26	0.31	3.71	14.26
	231	N	0.44	1.47	2.59	2.00	2.47	2.11	1.44	1.23	1.97	0.84	16.55	63.55
													26.04	100.00

5. estimated parameter			: Average Volume per Ha (m3/ha)											
DBH Class	Reg	Suit	10-19'	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+	Total	%
Species														
Michelia	3	T	0.02	0.40	1.49	2.61	5.54	4.19	3.25	2.96	7.788	4.989	33.23	13.126
		N												
Betula	1	T	0.00	0.16	0.85	1.77	1.17	1.33	0.64	0.00			5.92	2.3
		N												
Persea	5	T	0.01	0.22	0.82	0.91	3.50	1.13	0.00	0.00			6.60	2.6
		N												
Acer	3	T	0.05	0.33	0.08	0.73	0.67	0.97	2.64	0.00	2.20	0.91	8.58	3.39
		N												
Other T	12	T	0.13	0.76	4.74	5.94	9.01	2.08	1.79	4.91	3.25	4.18	36.78	14.53
	231	N	2.30	9.71	20.01	17.31	23.77	22.05	16.11	14.72	24.90	11.15	162.03	64.01
													253.14	100.00

AAC									
Product	Dangchung		Tsim		Cham		Drashing		Remarks
DBH Class	10_19		20_29		30-39		>40		
Classification	T	N	T	N	T	N	T	N	
VolHa (m3/ha)	0.21	2.30	1.86	9.71	7.98	20.01	81.06	130.01	Woongthi-Sezore Nyamrub CF
AAC m3	0.17	1.87	1.51	7.90	6.49	16.28	65.95	105.77	
AACcft	6.03	66.06	53.45	279.01	229.30	574.85	2329.21	3735.76	
No.of trees/ha	2	26	6	31	11	28	27	39	
No.of trees in total	179	2327	537	2774	984	2506	2416	3490	

34.3 ANNEX 12: CFMG NEW MEMBERSHIP APPLICATION FORM

To

The Chairperson

_____ CF

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

Part A: Applicant information

Name of Household representative: CID No:

..... Village/Chiwog: Gewog:

.....

Gung No. : Thram No. :

Details of timber availed from SRF

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

Date of submission: _____

Signature & Name of the Applicant

Affix legal stamp

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

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

Signature & Date.....

Signature & Date

Signature & Date

Name

Name

Name.....

Official seal

Official Seal

Official

Chairperson

Secretary

Treasurer

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

34.4 ANNEX 13: CFMG MEMBERSHIP RESIGNATION APPLICATION FORM

To

The Chairperson

_____ CF

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

Part A: To be filled by the Applicant

Name of Household representative: CID No:

..... Village/Chiwog:

..... Gewog:

Gung No: Thram:

Reason of withdrawal from CF membership:

..... Details of timber availed

from CF during my membership in CFMG is as follows:

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

Date of submission: _____

Signature & Name of the Applicant

Part B: To be filled up by CFMC members

Date of application received:

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

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

Verified and approved by CF Management Committee:

Signature & Date.....

Signature & Date

Signature & Date

Name

Name

Name.....

Official seal

Official Seal

Official
Seal

Chairperson

Secretary

Treasurer

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

34.5 ANNEX 14: APPLICATION FORM FOR FOREST PRODUCE FROM CF FOR RURAL USE

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

a. Name of applicant:

b. Citizenship I.D. no: c. Village:

d. Gung No: e. Thram No:

f. Details of timber availed from SRF/CF If yes, please provide details of the timber allotted as follows:

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

g. Details of following timber applied for the purpose

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

h. Purpose.....

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

k. Copy of construction approval attached:

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

Signature of applicant with legal stamp affixed

Date.....

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

Construction approval no:

Date..... We hereby certify that:

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

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

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

1. Name & Signature of Chairperson & Date

2. Name & Signature of Secretary & Date

3. Name & Signature of Treasurer & Date

34.6 ANNEX 15: HANDING TAKING CHARGE NOTE FOR CFMG

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

The charge lists are as attached below:

I. CFMG fund status on handing taking over day

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

II. Record Keeping Books/Registers and files

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

III. List of Tools, Equipment & furniture

Sl. No.	Detail of items	Quantity	Acquired/ Transfere	Remarks

IV. Others (mention if any)

Handed over by

Taken over by

In Presence of

34.7 Meeting Minutes

Meeting Minutes		
Name of CFMG/NWFP Group:		
Date of meeting:	Minutes taker (name):	
Purpose of meeting:		
Total number of members (Member Households) present:	Number of Female participants: Number of Male participants:	
Names and designation of guests/officials present:		
Sl. No	Issues/points of discussion	Meeting resolutions Describe actions: By whom? When? Where?)

34.8 Patrolling Record

Patrolling Record			
Name of CFMG/NWFP Group:		Block :	
Date of patrolling :		Recorder name:	
Purpose of Patrolling:			
Sl.no	Name of CF members gone for patrol	Observation in CF/NWFP	Decision taken

34.9 Coordinates of sample plots

Plot ID	Latitude	Longitude
1	27.090147	91.930565
2	27.090137	91.931311
3	27.090126	91.932056
4	27.090075	91.935785
5	27.090065	91.936531
6	27.08949	91.929808
7	27.089479	91.930553
8	27.089469	91.931299
9	27.089418	91.935028
10	27.089408	91.935773
11	27.089387	91.937265
12	27.089377	91.938011
13	27.089366	91.938756
14	27.088822	91.929796
15	27.088812	91.930542
16	27.088802	91.931288
17	27.088791	91.932033
18	27.088771	91.933525
19	27.088761	91.93427
20	27.08875	91.935016
21	27.08873	91.936508
22	27.08872	91.937253
23	27.088709	91.937999
24	27.088699	91.938745
25	27.088155	91.929785
26	27.088144	91.93053
27	27.088134	91.931276

Plot ID	Latitude	Longitude
28	27.08811	91.932768
29	27.0881	91.933513
30	27.08809	91.934259
31	27.08806	91.936496
32	27.08805	91.937242
33	27.08804	91.937988
34	27.08803	91.938733
35	27.08802	91.939479
36	27.0875	91.929028
37	27.08749	91.929773
38	27.08748	91.930519
39	27.08747	91.931265
40	27.08746	91.93201
41	27.08745	91.932756
42	27.08744	91.933502
43	27.08742	91.934993
44	27.08741	91.935739
45	27.0874	91.936485
46	27.08739	91.93723
47	27.08737	91.937976
48	27.08736	91.938722
49	27.08735	91.939467
50	27.08684	91.92827
51	27.08683	91.929016
52	27.08682	91.929762
53	27.08681	91.930508
54	27.0868	91.931253

Plot ID	Latitude	Longitude
55	27.08679	91.931999
56	27.08678	91.932745
57	27.08676	91.934236
58	27.08675	91.934982
59	27.08674	91.935727
60	27.08673	91.936473
61	27.08672	91.937219
62	27.08671	91.937965
63	27.0867	91.93871
64	27.08669	91.939456
65	27.08668	91.940202
66	27.08617	91.928259
67	27.08616	91.929005
68	27.08615	91.92975
69	27.08614	91.930496
70	27.08613	91.931242
71	27.08612	91.931988
72	27.0861	91.933479
73	27.08609	91.934225
74	27.08608	91.93497
75	27.08607	91.935716
76	27.08606	91.936462
77	27.08605	91.937207
78	27.08604	91.937953
79	27.08603	91.938699
80	27.08602	91.939444
81	27.08601	91.94019

Plot ID	Latitude	Longitude
82	27.085998	91.940936
83	27.085988	91.941682
84	27.085495	91.928993
85	27.085485	91.929739
86	27.085475	91.930485
87	27.085464	91.93123
88	27.085444	91.932722
89	27.085434	91.933467
90	27.085423	91.934213
91	27.085413	91.934959
92	27.085403	91.935705
93	27.085393	91.93645
94	27.085382	91.937196
95	27.085372	91.937942
96	27.085362	91.938687
97	27.085351	91.939433
98	27.085341	91.940179
99	27.085331	91.940924
100	27.085321	91.94167
101	27.084828	91.928982
102	27.084817	91.929728
103	27.084807	91.930473
104	27.084797	91.931219
105	27.084776	91.93271
106	27.084766	91.933456
107	27.084756	91.934202
108	27.084746	91.934947
109	27.084735	91.935693

Plot ID	Latitude	Longitude
110	27.08473	91.936439
111	27.08472	91.937184
112	27.08471	91.93793
113	27.08469	91.938676
114	27.08468	91.939421
115	27.08467	91.940167
116	27.08466	91.940913
117	27.08465	91.941659
118	27.08464	91.942404
119	27.08416	91.92897
120	27.08415	91.929716
121	27.08414	91.930462
122	27.08413	91.931207
123	27.08412	91.931953
124	27.08411	91.932699
125	27.0841	91.933445
126	27.08409	91.93419
127	27.08408	91.934936
128	27.08407	91.935682
129	27.08406	91.936427
130	27.08405	91.937173
131	27.08404	91.937919
132	27.08403	91.938664
133	27.08402	91.93941
134	27.08401	91.940156
135	27.084	91.940901
136	27.08348	91.929705
137	27.08347	91.93045

Plot ID	Latitude	Longitude
138	27.08346	91.931196
139	27.08345	91.931942
140	27.08344	91.932687
141	27.08343	91.933433
142	27.08342	91.934179
143	27.08341	91.934924
144	27.0834	91.93567
145	27.08339	91.936416
146	27.08338	91.937161
147	27.08337	91.937907
148	27.08336	91.938653
149	27.08335	91.939398
150	27.08334	91.940144
151	27.08282	91.929693
152	27.08281	91.930439
153	27.0828	91.931185
154	27.08278	91.93193
155	27.08277	91.932676
156	27.08276	91.933422
157	27.08275	91.934167
158	27.08274	91.934913
159	27.08214	91.930427
160	27.08213	91.931173
161	27.08212	91.931919
162	27.08211	91.932664
163	27.0821	91.93341
164	27.08146	91.931162