
REJUK COMMUNITY FOREST MANAGEMENT PLAN

(1ST REVISION)



Rejung Village, Umling Gewog,

Umling Dungkhag, Sarpang Dzongkhag





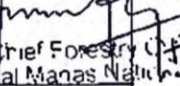
Management plan period: 2023- 2033

Approval Sheet



APPROVAL SHEET: REJUK COMUUNITY FOREST MANAGEMENT GROUP

Name of Community Forest	Rejuk Community Forest Management Group
Village	Rejung
Chewog	Rejung
Dzongkhag	Sarpang
Production Area (Hectare/Acre)	44.96 hectare (109.46 acres)
Protection Area (Hectare/Acre)	30.57 hectare (75.54 acres)
Total Community Forest Area (Hectare/Acre)	75.96 hectare (187.69 acres)
Total CFMG Members (No of household)	15 Household


Prepared and Submitted for Approval

	Community Forest Management Group	Forestry Representative (CFMP Facilitator)	Gewog Administration	Social Forestry Section	Divisional/Park Office
Signature					
Name	Rinzin	Duptho Ugyen	Sangay Tenzin	Tashi Dorji	Samten Wangchuk
Title	Chairperson	CF Representative	Gup	Principal Forestry Officer	Chief Forestry Officer

Review and Recommended for Approval

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

Approved by



Director

Department of Forests and Park Services

Approved vide Notesheet No.DoFPS/FRPMD/FRPIS/CF_1(C)/2022-2023/1186 on dated June 13, 2023

Acronyms

AAC	Annual Allowable Cut
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 & Regulation
GPS	Global Positioning System
Ha	Hectare
Km	Kilometer
Masl	Meter above Sea Level
M & E	Monitoring and Evaluation
NWFP	Non- Wood Forest Product
PES	Payment for Environmental Services
RGoB	Royal Government of Bhutan
RHBT	Rural House Building Timber
RMNP	Royal Manas National Park
SFED	Social Forestry and Extension Division

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Executive Summary

Rejuk Community Forest (CF) has completed its 10 years management plan period and the Monitoring and Evaluation (M&E) report has found it to be eligible for the renewal and revision of the next management plan. The CF is located at an altitude range of 200-350 masl. The CF consists of an area of 74.87 hectares (ha.). The CF is further divided into two blocks based on operable and non-operable areas depending on the forest stand conditions, regeneration status, and timber stock availability aspect of each block. The aspect of the CF is facing the southeast.

The CF mainly consists of warm broadleaved forests. The CF site is specially segregated from other forests by those permanent features like streams and footpaths. Towards the south, it is separated by a farm road, west by Rejung village, Chubarthang village, and Tashithang CF from the north, and Gasyer Tashicholing CF and State Reserve Forest (SRF) from the east. The CF has a basal area of 11.12 m²/ha. ***Annual Allowable Cut for the Rejuk CF is 45.25 m³ (equivalent to 1598.42 cft).*** Forest resource assessment for the revised CFMP was ascertained by systematic sampling using circular plots as per the Community Forestry Manual, third edition 2018. A total of 49 sample plots were designed and enumerated within the net operable area. Forest resource assessment indicates that the CF comprise of more than 70% canopy density with 10-50 seed trees/Ha at SilchuPektor. The area also hosts diverse species of wildlife.

The revised CFMP comprises of 15 households spanning an area of 74.87 ha. of warm broadleaved forest. The CF is established with similar holistic rationale for sustainable management of resources and improvement of forest conditions. The revised plan strongly emphasizes management intervention in protection area of the CF. Another reason is to instill a sense of ownership over the CF areas and to meet their basic requirements of timbers from the CF area. Therefore, CF is further expected to educate people on balanced approach to forest resource management whereby conservation and improving their rural livelihood go parallel and in a coordinated manner.

Introduction

Rejuk CF in Umling gewog is located around 10 minute's walk on foot from Rejung village. The general aspects of the forest are southeast-facing, covering a total area of 185 acres (74.87 ha) including high forest and protection areas. The erosive areas, water sources, and tracks were separately surveyed and categorized as protected areas. Of the total CF area, 75.53 acres (30.57 ha) of CF area will be protected from harvesting of forest produce during the current management plan period. The CF has a basal area of 11.12 m²/ha. Annual Allowable Cut for the Rejuk CF ***Annual Allowable Cut for the Rejuk CF is 45.25 m³ (equivalent to 1598.42 cft)***

Rejung village is located near Umling gewog Center and it's connected by a farm road. The community comprises 78 households. They are primarily dependent on agriculture, livestock, and forestry activities. Areca nut is grown as the main cash crop followed by ginger and other vegetables. The community of Rejung rear improved livestock breeds and they market their milk products to the dairy marketing house established in the Gewog.

This CF management plan is for the next 10 years period. The content of the CF management plan is based on the review discussion and field exercises. It will serve as a guideline to ensure sustainable management, protection, and improvement of the CF. In general, the revised management plan has been prepared by the CFMG upon comprehensive consultation among the members closely facilitated technically Umling Range Office (URO), Royal Manas National Park (RMNP).

Overall CF Management Objectives:

- 1. To manage 185 acres of SRF as CF for sustainable production and utilization of timber/ NWFP.*
- 2. To enrich and protect water sources through catchment protection and enrichment plantation.*
- 3. To promote good governance through various modes of people's participation in CF management.*
- 4. To improve the forest condition, health, vigor of forest stands, and forest condition through silvicultural operations on a selective basis.*
- 5. To ensure balance development within the CFMG members through easy access to imperatives forestry services.*

Further, CFMG will collectively work towards addressing poverty reduction and narrowing the

resources disparity within CFMG members and ultimately ensure balancing socio-economic development and environmental conservation in the future.

Review of the Past Plans

CF monitoring and evaluation team has carried out final evaluation of Rejuk CF along with the CF Executives members. CFMG have managed CF resources sustainably as per the annual work plan and management objectives prepared by the CFMG. Further, it was also noticed that Rejuk CFMG contributes greatly in conservation of forest by restoring degraded and barren land.

Timber harvesting from the CF area were not possible from the Rejuk CF. the stands is young and immature since it is a secondary succession. Since timber harvesting from the CF area is nil, the demand made by CFMG members for the forest resources have been met from the state reserved forest (January 2013 to December 2022). CFMG has also carried out plantation (timber and NWFPs) inside the CF area from the time of inception.

Form C: Indicators for CFMG final evaluation report		
Indicator description		Unit
AHL vs. annual harvest for every timber size-class		69 dashing
#	Forest Produce	Annual Harvesting Limit
1	Drashing	0
2	Cham	0
3	Tsim	0
4	Dangchung	0
<i>Note: Cham size tree are allotted as firewood</i>		
Application of harvesting guidelines for NWFPs (are they being applied?)		Yes
Number of forest fire incidences in CF		Nil
Total number of members HH in CFMG		15
Distribution of member HH among locally defined well-being assessment categories		N/A

Poverty incidence of CFMG members i.e., in lowest well-being category	0 %
Dependency on GRF for timber	4 h/h
Dependency on GRF for NWFPs	Nil
CFMG revenue from different sources & total revenue	Nu. 68,000/-
Expenses for different purposes & total expenses	Nil
Number of conflicts in CFMG which were discussed in committee or CFMG meeting	Yes
Number of resigned HH	18 h/h
Implementation of AWP	Yes
Number of illegal activities related to CF by members and non-members	N/A
Number of CFMG & committee meetings	Annual meeting conducted yearly & committee meeting conducted monthly
General availability of minutes for CFMG & committee meetings	Yes
Use of record keeping books	Yes
Availability of pro-poor measures in CF by-laws	Yes

Map of the CF

RejukCF is divided into two blocks (Fig. 1) for ease of management. These two blocks are separated by the Karchu stream. Further non-production areas like water sources and barren areas were surveyed separately.

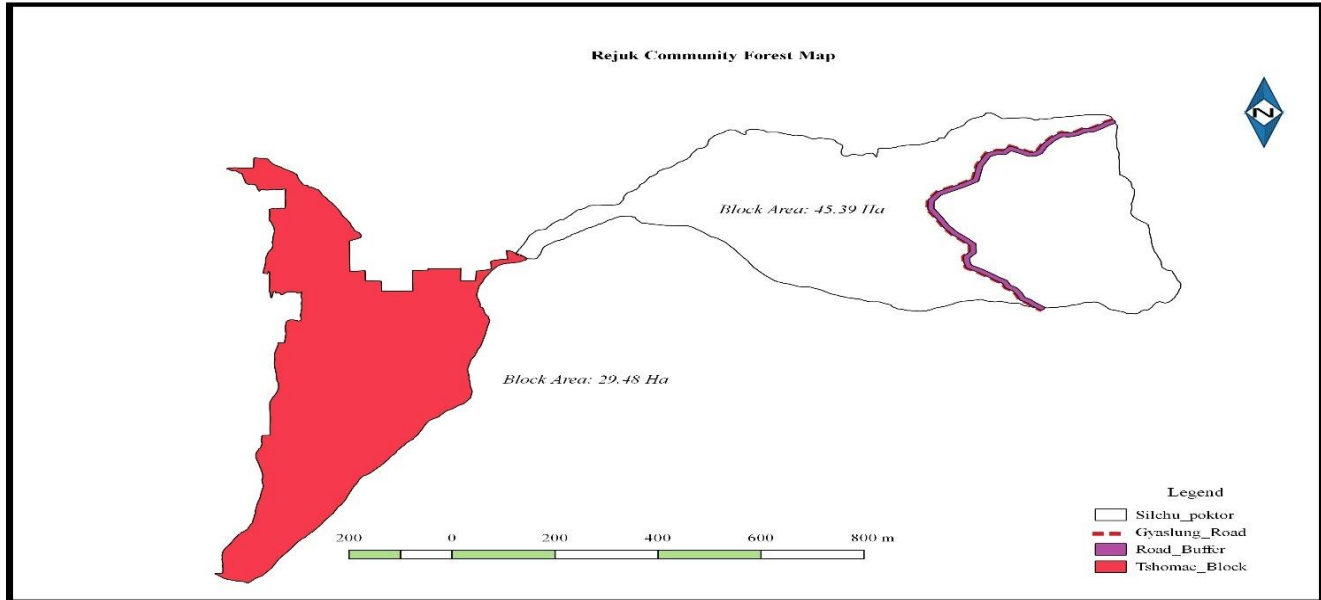


Figure 1:Rejuk CF Map with block boundaries

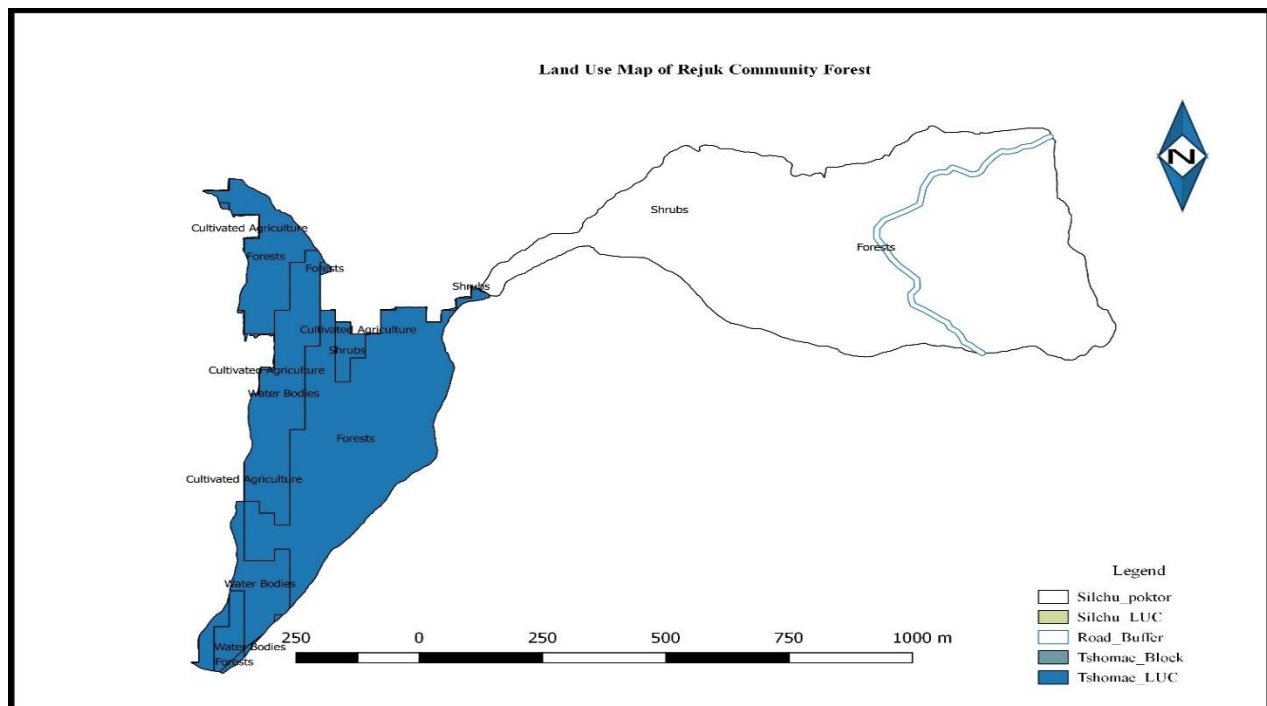


Figure 2:Land Cover Land Use Map of Rejuk CF

Community Forest boundaries

The Rejuk CF boundary areas are demarcated with distinct paint on permanent features. The CF boundary is as follows:

Table 1: CF Boundaries

Boundaries	Permanent Features
West	Rejung village
East	Gasyer Tashicholing CF and State Reserve Forest
South	Farm road
North	Chubarthang village and Tashithang CF

Social Information

The table below shows all the actual socio-economic information about the Rejuk CFMG.

Table 2: Basic social information about the Rejuk CF

	Description
Name of the villages	Rejuk
Ethnic groups with CFMG	Mixed
Basic amenities	Clean drinking water, electricity supply, farm road, Umling Lower Secondary School, Gewog Office, Community Information Center (CIC), Park Range Office, RNR Center, BHU.
Total Household (HH) number of CFMG	15
Population of CFMG	84
% male and % female	87 % male and 13 % female
The main source of income	Areca nut and ginger
The cattle population of the CFMG	53 % of CFMG has cattle
Main crops	Maize, millet & paddy
Cropping pattern	Mixed farming
Average annual income	Nu. 20000- Nu.103,333/-

Forest Information

Rejuk CF area consists of warm-broad leaved forest. The forest is dominated by broad-leaved species such as *Daubanga grandiflora*, *Schima wallichii*, *Syzigium formosa*. Moreover, the forest possesses undergrowth such as weeds and dense canopy causing poor regeneration status. Owing to good undergrowth, evidence of wild ungulates including signs and dungs were encountered during forest resource assessment providing prime habitats for wildlife. Rejuk CF area is crucial from a water-source and catchment protection perspective as it has three water sources and a tapping point of the downstream communities. The CF area is divided into two blocks viz Tshomae (Block I) and SilchuPektor (Block II). These CF blocks are separated by the Karchu Stream.

Tshomae block has the potential for creating a plantation of both timber and NWFP species. Most of the area is covered with unwanted weeds as undergrowth, yet the block has adequate area for plantation where the CF members can improve existing forest conditions with plantation of NWFP especially bamboo (*Dendrocalamus hamiltonii*, *D. strictus*, *Bambusa nutan* etc.) species for income generation in future. Silchu Pektor block comprises of scattered vegetation. The resource assessment with participatory forest use map found different kinds of forest resources in the CF including various NWFPs.

Forest Conditions

Table 3 shows the overall condition of the forest and reflects the information about flora & fauna within the blocks.

Table 3: Forest Condition

Poor	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Good	<input checked="" type="checkbox"/>	Very Good		<input type="checkbox"/>	
Does the main forest canopy consist of large, mature trees?						Yes		No	<input checked="" type="checkbox"/>
Mean basal area (average for all blocks)					m ² /ha				
Total community forest area (total of all blocks)				74.87	Ha				
Basal area of the whole CF				11.12	m ² /ha				
Number of blocks in the CF				2	No.				

Fauna

Local Name	Zoological name
Elephant	<i>Elephas maximus</i>
Wild boar	<i>Sus scrofa</i>

Gaur	<i>Bos gurus</i>
Golden Langur	<i>Trachypithecus geei</i>

List of forest products and who collects

List of products and services	Who collects from forest		Mark (x) if used or collected by an outsider (out of CFMG) and mention which village
	Male (M)	Female (F)	
Mushroom	Male	Female	X – People of Rejung & adjacent village
Bamboo	Male	Female	
Soft broom	Male	Female	
Timber	Male	Female	

Block descriptions

Name	Unit	Tshomae	SilchuPektor
Area	Ha	29.48	45.39
Block boundaries			
East		Karchustream	Gasyer Trashicholing CF & SRF
North		Dungminvillage	Tashithang CF
West		Rejungvillage	Chubarthangvillage
South		Farm road	GasyerTrashicholing CF

Forest Information (Whole Forest)

This template portrays information about forest resources assessment for respective blocks showing details about forest & habitat types; vegetation types; forest conditions to age, canopy density, regeneration, and approximate seedling density. Nonetheless, it will also describe information about the block and catchment condition including the wildlife fauna and indicators of biotic pressure which are shown below:

Block I: Tshomae

Table 4: Forest resources information about Tshomae Block

Name of CF	Rejuk
Date of assessment	04/12/2022
Name of Block	Tshomae
Block area	29.48 Ha
Name of recorder	Mr. Duptho Ugyen, Mr. Chimi Tshewang and Mr. Phub Namgay

Forest and Habitat Type

Forest <input checked="" type="checkbox"/>	Thicket/pole stage <input type="checkbox"/>	Scrubland <input type="checkbox"/>	
Grassland <input type="checkbox"/>	Plantation <input type="checkbox"/>	Other <input type="checkbox"/>	
Vegetation types			
Sub-tropical forest	Chirpine forest <input type="checkbox"/>	Warm broadleaved forest <input checked="" type="checkbox"/>	Blue pine forest <input type="checkbox"/>
Cool broadleaved forest	Mixed conifer forest	Fir forest	Other

Plantation	
Is there any plantation Yes <input checked="" type="checkbox"/> No	Approximate height of planted trees (m) Under-stoke <input type="checkbox"/> Stock <input checked="" type="checkbox"/> Over-stoked <input type="checkbox"/>

Main species present

Local name		Botanical name	
Lampati		<i>Dubanga grandiflora</i>	
Semal		<i>Bombexceiba</i>	
Teak		<i>Tectona grandis</i>	
Forest Condition – age			
Mature <input type="checkbox"/>	Pole-stage <input type="checkbox"/>	Shrubland <input type="checkbox"/>	Any <input checked="" type="checkbox"/>
<i>Main canopy of mature trees</i>	<i>Main canopy of pole-stage trees</i>	<i>Main canopy of shrubs, young trees, or regeneration</i>	<i>No continuous canopy – isolated trees only</i>
Forest condition – canopy density			
Dense <input type="checkbox"/>	Open <input type="checkbox"/>	Very Open <input checked="" type="checkbox"/>	
<i>Canopy density > 70%</i>	<i>Canopy density < 70%</i>	<i>No real canopy. Isolated trees only</i>	
Forest condition – regeneration status			
Abundant <input type="checkbox"/>	Scattered/few <input checked="" type="checkbox"/>	None <input type="checkbox"/>	
<i>Regeneration easy to find in most places</i>	<i>Regeneration is only in some places and is hard to find</i>	<i>No regeneration</i>	
Names of the 3 main tree species in the regeneration			
1 Boair	2 Lampatey	3 Gamariajang	
<i>Note: Regeneration = seedlings > 30cm and < 1.3 m height</i>			
Forest condition – seed tree density			
High <input type="checkbox"/>	Moderate <input type="checkbox"/>	Low <input checked="" type="checkbox"/>	
>50 seed trees per ha	10-50 seed trees per ha	<10 seed trees per ha	

NWFP conditions

NWFP name	Assessment of abundance
<i>Dendrocalamus hamiltonii</i>	1
<i>Dendrocalamus strictus</i>	3
<i>Bambusa nutan</i>	1

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

Wildlife Fauna

Local name	Scientific name
Gaur	<i>Bos gurus</i>
Elephant	<i>Elephas maximus</i>
Golden Langur	<i>Trachypithecus geei</i>
Oriental Pied Hornbill	<i>Anthracoceros albirostris</i>

Biotic pressures

	Common	Occasional	Absent
Fire	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grazing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NWFP collection (list the main products)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Encroachment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hunting	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Block II: Silchu Poktor Block

Table 5: Forest or vegetation type of Silchu Poktor Block

Name of CF	Rejuk
Date of assessment	06/12/2022
Name of Block	Silchu Poktor
Block area	45.39 Ha
Name of recorder	Mr. Duptho Ugyen, Mr. Chimi Tshewang & Mr. Phub Namgay

Forest and Habitat Type

Forest <input checked="" type="checkbox"/>	Thicket/pole stage <input type="checkbox"/>	Scrubland <input type="checkbox"/>	
Grassland <input type="checkbox"/>	Plantation <input type="checkbox"/>	Other <input type="checkbox"/>	
Vegetation types			
Sub-tropical forest <input type="checkbox"/>	Chirpine forest	Warm broadleaved forest <input checked="" type="checkbox"/>	Blue pine forest
Cool broadleaved forest	Mixed conifer forest	Fir forest	Other

Main species present

Local name	Botanical name
Lampatey	<i>Dubangagrandiflora</i>
Zalashing	<i>Schimawallichii</i>
Shetey	<i>Altingia excelsa</i>
Plantation	
Is there any plantation	Approximate height of planted trees (m)
Yes	Under-stroke <input type="checkbox"/>
No <input checked="" type="checkbox"/>	Stock <input type="checkbox"/>
	Over-stoked <input type="checkbox"/>

Forest Condition – age							
Mature	<input checked="" type="checkbox"/>	Pole-stage	<input type="checkbox"/>	Shrubland	<input type="checkbox"/>	Any	<input type="checkbox"/>
<i>Main canopy of mature trees</i>		<i>Main canopy of pole-stage trees</i>		<i>Main canopy of shrubs, young trees, or regeneration</i>		<i>No continuous canopy – isolated trees only</i>	
Forest condition – canopy density							
Dense	<input type="checkbox"/>	Open	<input checked="" type="checkbox"/>	Very Open	<input type="checkbox"/>		

Canopy density > 70%		Canopy density < 70%		No real canopy. Isolated trees only	
Forest condition – regeneration status					
Abundant	<input type="checkbox"/>	Scattered/few	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>
Regeneration easy to find in most places		Regeneration is only in some places and is hard to find		No regeneration	
Names of the 3 main tree species in the regeneration					
1	Hatipailai	2	Lampatey	3	Zalashing
Note: Regeneration = seedlings > 30cm and < 1.3 m height					
Forest condition – seed tree density					
High	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Low	<input checked="" type="checkbox"/>
>50 seed trees per ha		10-50 seed trees per ha		<10 seed trees per ha	

NWFP conditions

NWFP name	Assessment of abundance
Fern (<i>Diplazium esculentum</i>)	2

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

Wildlife Fauna

Local name	Scientific name
Golden Langur	<i>Trachypithecus geei</i>
Oriental Pied Hornbill	<i>Anthracoceros albirostris</i>
Gaur	<i>Bos gurus</i>
Peacock	<i>Pavo cristatus</i>
Wild pig	<i>Sus scrofa</i>

Elephant	<i>Elephas maximus</i>
Barking deer	<i>Muntiacus mutjak</i>

Biotic pressures

	Common	Occasional	Absent
Fire	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grazing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NWFP collection (list the main products)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Encroachment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hunting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Forest Management

Forest management by and all refers to sustainably managing the existing forest. It also includes improvement, protection, and utilization of the resources without compromising the forest resources for future use. To ensure its management, the general CF objectives and specific objectives for each block are identified. CF activities are aligned to fulfill the objectives which contribute to forest management.

Overall CF Management Objectives:

- 1. To protect the water catchment area and water sources within CF*
- 2. To ensure sustainable management and utilization of timber & NWFP*
- 3. To promote good governance through community participation*
- 4. To improve and protect the existing forest condition by applying silvicultural practices*
- 5. To manage the wildlife habitat such as water holes and saltlicks to ensure wildlife population viability*

Generally, Forest management includes both the forest management matrix and forest management procedures matrix as per the CF manual (2004). However, the latest CF manual (2018) has merged both and consolidated them into a singular form. This form constitutes a forest management matrix followed by forest management objectives as shown below:

Table 6: Forest management of Tshomae

Product/services	Forest Products
Main Species	Lampati, Semal, Teak
Problem	This block has patches of landslide area and exposed eroded area within saltlicks
	Lack of Drashing for house building timber
	Water sources wherein forest produce collection is restricted
Opportunities	Plantation and protection in the landslide area
	Income generation
	Protection of catchment area
	Institute Payment for Environmental Services (Water PES) in future
Objectives	Protection of catchment area
	Utilization and improvement of forest conditions
Activities	To carry out plantation in erosion-prone area
	To maintain a buffer of 30 meters from either side of the stream, saltlick areas, and erosive areas
	To monitor CF activities
Procedures	CFMG will follow the management plan and harvest forest products as per AAC
	A single tree selection system will be followed
	Offenders in the CF on timbers will be dealt with as per the management prescription and pertinent forestry rules
Responsibility	CFMG members, Forest Range Office, RMNP and SFED

Table 7: Forest Management for Silchu Poktor Block

Product/ services	Forest Products
Main Species	Lampati, Zalashing and Parari
Problems	There are patches of the barren area
	Most of the trees are situated within the water source buffer
Opportunities	Plantation in the barren area
	Selective harvesting of existing fallen, over-matured, dead, and diseased tree
	Plantation and protection in the landslide area and enrich saltlick area
	Protection and enrichment of catchment areas and water sources
	Income generation
Objectives	Protection of catchment area
	Utilization and improvement of forest conditions

Activities	Carryout silvicultural activities
	Harvesting of dead and diseased trees falling along the protection areas
	Allot timbers to CFMG and sale the excess timber without exceeding ACC
	To carry out plantation in erosion-prone area
	To monitor CF activities
Procedures	CFMG will follow the management plan and harvest forest products as per AAC
	A single tree selection system will be followed based on field feasibility
	Offenders about CF product extraction will be dealt with as per the management prescription and pertinent forestry rules
	Sale of excess timber including N Trees and T Trees should not exceed ACC prescribed in the CFMP
Responsibility	CFMG members, Forest Range Office, RMNP and SFED

Forest Product Demand Assessment

The demand for forest products planning and facilitation was done with participatory exercise with the community to evaluate and assess the demand for the CFMG. The demand for various forest products for ten- year period of the management plan is as follows:

Table 8: Demand Assessment

Produce	Annual requirement (estimated)		No. of H/H that require annually (C)	The total requirement of the produce (Annually)		The total requirement of the product in 10 years	
	Number (A)	Volume (in cft) (B)		Number (AxC)=D	Volume (in cft) (BxC)=E	Number (Dx10)	Volume (in cft) (Ex10)
For new Construction							
Drashing	5	400 cft.	3	15	6000	150 no	60000cft
For Renovation							
Drashing	2	150 cft	4	8	600	80 nos'	6000 cft
For Other							
Firewood	1	-	15	15	-	150	-
Bamboo	40	-	4	160	-	1600	-

Annual Allowable Cut (AAC)

The table below shows the AAC for all the forest products especially Drashing, Cham, Tsim, and Dangchung within the 10 years from Karchu Tae and Karchu Mae Block. AAC is shown in both CFT and m³ for convenience.

Table 9: ACC for Silchu Poktor

Product		Total ACC		Total Annual Demand		Difference		Comment
		No. of trees	Vol. (cft)	No. of trees	Vol. (cft)	No. of trees	Vol. (cft)	
Dashing	T	-	231.08	15	6600	6368.92	-	Since the demand made by CFMG members is high, Timber for RHBT may have to depend on SFR area
	N	-	1041.10	-	-	-	-	
Cham	T	-	89.45	-	-	-	-	
	N	-	163.11	-	-	-	-	
Tsim	T	-	26.62	-	-	-	-	
	N	-	24.41	-	-	-	-	
Dangchung	T	-	8.94	-	-	-	-	
	N	-	13.71	-	-	-	-	
Firewood	N			8	-			N Trees will be allotted as Firewood

Comparison of Annual Allowable Cut (ACC) & Demand assessment

These tables compared the number of timbers between the ACC and demand made by the CFMG members with subsequent variances between them. Specific recommendations were also highlighted for future interventions as shown below:

Table 10: Comparisons between ACC & Demand Assessment

Product		Total ACC		Total Annual Demand		Difference		Comment
		No. of trees	Vol. (cft)	No. of trees	Vol. (cft)	No. of trees	Vol. (cft)	
Dashing	New	-	231.08	15	6000	-	6368.92 cft	
	Renovation	-		8	600	-		
Cham		-	89.45	0	0	-	-	
Tsim		-	26.62	0	0	-	-	
Dangchung		-	8.94	0	0	-	-	
Firewood		-	1041.10	15		-	-	

Participatory Environmental Assessment

Participatory Environmental Assessment tool which examines the activities proposed and identifies their effects, CFMG has listed out the activity that they will undertake during this management plan period. The activities proposed in the CF will have either positive or negative effects on their CF or environment. The CFMG members must understand some degree of impact due to their proposed activities. Therefore, participatory environmental assessment is tabulated as below:

Table 11: Potential environmental and Socio-economic effects

Participatory Environmental Assessment								
	Potential Environmental Effects				Potential Socio-Economic Effects			
Activity proposed in CFMP	Soil	Water	Wild animals	Plants	Traditional forest use	Cultural and religious activities	Local employment	Local benefits from forest produce
Patrolling	++	+++	--	++	0	0	+	+
Timber Extraction	---	---	---	++	+	0	++	++
NWFP Collection	++	++	--	0	++	0	++	++
Climber Cutting	---	---	---	+++	0	0	+	+
Development activities in CF	-	--	--	---	++	++	++	+++
Water source work	+++	+++	+++	++	+	++	+	++
Plantation	+++	+++	+++	+++	++	0	++	+
Silvicultural operation	+++	++	+++	++	+	+	++	++

Positive effect shown by + + + Negative effect shown by - - - No effect (or not relevant) shown by 0

Those activities which are likely to bring potential negative effects to the CF are identified and mitigation plans identified to address those potential negative effects during implementing the CF plan activities as shown below:

Table 12: Strategies to address potential negative effects

Activity	Procedure
Timber/flag poles/fuel wood harvesting	<ul style="list-style-type: none"> • Felling is strictly prohibited within 30m left and rights of the streams (buffer zone) • Selection systems must be strictly followed to avoid bigger openings and over-matured timber sizes trees must harvest on a selective basis, not haphazard manner. • Felling trees more than 45° is strictly prohibited. However, if needed to fell due to urgent reasons, then a single tree selection system will be strictly followed to minimize the destruction. • Replace the fell area with a native species plantation immediately in case of no natural regeneration.
Climber Cutting	<ul style="list-style-type: none"> • CFMG will carry out climber cutting based on silviculture guidelines
Development activities within CF (forest road, cable crane, etc.)	<ul style="list-style-type: none"> • Development activities will be allowed as per the guidelines circulated by the DoFPs • The proponent of the development activities such as roads, electric lines, irrigation channels, and others must process a no-objection letter from the CFMG group. The proponent needs to realize the compensation as per NRPC rates and then allow to initiate those activities • Development activities must meet the minimum disturbance standard pegged by the CF committee members and DoFPs.
NWFP harvesting	<ul style="list-style-type: none"> • Harvest of any NWFPs should be strictly done as per the harvesting guidelines reflected in Interim Framework 2013; • Over-harvesting is strictly prohibited • CF committee members will strictly monitor to ensure sustainable collections by outsiders or members • For harvesting of any bamboo species, horse-shoe methods will be followed to encourage the shoots for the subsequent year.

Forest Product Prioritization Matrix

The CFMG has identified products based on availability and importance to their livelihood for the exercise. These products are timber, firewood, water, bamboo, stone, fern, and marich (*Piper nigrum*). The products were prioritized depending on the importance felt by the CFMG members as shown below:

Table 13: Forest Product Prioritization Matrix

	Timber	Firewood	Water	Bamboo	Stone	Fern	Marich
Timber	X						
Firewood	Timber	X					
Water	Water	Water	X				
Bamboo	Timber	Firewood	Water	X			
Stone	Timber	Stone	Water	Bamboo	X		
Fern	Timber	Firewood	Water	Bamboo	Stone	X	
Marich	Timber	Firewood	Water	Bamboo	Marich	Marich	X

Meanwhile, score results show that water and timber are highly prioritized (n=6), by the CFMG members, followed by Firewood and Bamboo with n=3, and Stone and Marich (*Piper nigrum*) with a score of n=2 respectively. This indicates that most of the CFMG prefer timbers for house construction.

Forest product and species preference

The forest product and species matrix ranking were done to identify the different types of forest products preferred by the CFMG. Accordingly, the ranking was done on their preference and availability of these products in the CF. The exercise revealed that CFMG generally prefers *Terminelia myrocarpa*, *Duabanga grandiflora* and *Altinga excelsa* for construction as shown in Table 14.

Table 14: Forest product & species preferences

Species (Local name)	Uses	Drashing	Cham	Firewood	fodder	Agriculture tool	Fencing
<i>Duabanga grandiflora</i> (Lampati)	Preference	XXX	-	-	-	-	-
	Availability	**	*	**	**	***	****
<i>Termineliamyrocarpa</i> (Panisaj)	Preference	XXXXXX	-	XXX	-	XXX	XXX
	Availability	**	**	**	-	***	*
<i>Altinga excelsa</i> (Shati)	Preference	XXXXXX	-	XXXXXX	-	XX	XXX
	Availability	*****	**	*****	-	***	***
<i>Schema wallichii</i>	Preference	-	-	XX	-	-	XX

(Zalashing)	Availability	***	***	***	-	**	**
Shumtang	Preference	XXX	-	XX	XXX	-	-
	Availability	*	*	**	**	*	**
<i>Micheliachampaca</i> (Champ)	Preference	XXXXX	XXXX	XXX	-	-	-
	Availability	*	*	*	-	-	*
Maina	Preference	XXX	-	-	-	-	-
	Availability	***	**	***	-	*	*
<i>Sterespermumchelonoides</i> (Parari)	Preference	-	-	XXXXX	XXX	-	XX
	Availability	***	**	**	**	*	**

Monitoring Plans

Generally, the CF manual (2004) ascertains only participatory forest monitoring. However, the CF manual (2018) demands three more monitoring methods mandatory during the implementation of CFMP: participatory forest resources impact monitoring, social and institutional impacts, and environmental impact monitoring as shown below tables:

Participatory Forest Resources Impact Monitoring

This monitoring is focused on how the forest resources–based impact monitoring including the marketing aspects will be undertaken, during implementing the CFMP as shown below:

Table 15: Monitoring Plans (Forest Resources Impact Monitoring)

Activity	Indicator	How to monitor	Responsibility	Comment
Plantation in a barren area	Survival percentages of seedlings	Survey the survival percentage of seedlings	CF management committees to monitor	Forest Range office will support
Patrolling within the CF area to stop illegal activities	No. of patrolling frequency & culprit apprehended	Regular patrolling and monitoring of the CF area	CF Secretary will document all the records	The patrolling team leader shall submit the report to CF Secretary
Silvicultural operation within the CF area	The total area of CF being cleared	Monitor the CF area and record the area being taken silvicultural operation	CF Secretary will collect the reports	CF Focal will support the CFMG

Marketing of excess timbers/firewood/N-Trees	No. of cft/logs marketed & name of species	Record book	CFMG committees' members	FBO shall support the timber transactions
--	--	-------------	--------------------------	---

Participatory Social and Institutional Impact Monitoring

This monitoring will highlight what and how to monitor especially in social and institutional aspects of CF during implementation the CFMP as shown below:

Table 16: Social and Institutional Impact Monitoring

Activity	Indicator	How to monitor	Responsibility	Comment
Provide loans to CFMG members	No. of HH availed loan from CF	Record in fund management/loan record	CFMG with Range Office facilitation	The treasurer must maintain details of loan availed
Resources allocation with equity	No. of single-headed or disadvantaged members	Record book	CFMG committee members	
CFMG general meeting	No. of men & women attended, frequency	Meeting record	CFMG committee members	
CF committee meeting	No. of meeting frequency & women attended	Meeting Record	CF management committees	
Capacity development program	Types and no. of training availed	Record book	CFMG management committees	

Participatory Environmental Impact Monitoring

These monitoring aspects will focus on environmental impacts such as land, water, air, and forest including the ecosystems on what and how to monitor those potential negative environmental impacts as shown below:

Table 17: Environmental Impact Monitoring

Potential environmental risks	Indicator	How to monitor	Responsibility	Comment
Landslip and erosions	No. of the area being eroded or landslips	Inventories the eroded or landslip area within the CF area	CFMG committee must collaborate with Forest Beat Office.	

Damage to natural regeneration	Acreages of damage within CF	Monitor the damage along cable crane lines or damage due to development activities	CFMG committee must collaborate with Forest Beat Office	
Habitat destruction	No. of habitat being destructed	Monitor the wildlife habitat within CF	CFMG committee must collaborate with Forest Range Office.	
Water pollution	Water test and sizes of discharges	Monitor the spring & streams within CF	CFMG committee must collaborate with Forest	

Operation Plan

CFMG has prepared the annual operational plan. The details of the plan activities for ten (10) year period of the CF management plan are as follows:

Table 18: Operational plan

Location	Activities	Year of operation										Responsibility
		1	2	3	4	5	6	7	8	9	10	
Block 1: Tshomae	Cleaning/ weeding of plantation area		X		X		X		X		X	CF Committee & CFMG
	Harvesting of NWFP		X		X		X		X		X	CF Committee & CFMG & CF Focal
	Thinning as a part of Silvi-cultural activities	X		X		X		X		X		
	Plantation of seedling	X				X				X		
	Patrolling of the whole block	X	X	X	X	X	X	X	X	X	X	CF Committee & CFMG
Block 2: Silchu Poktor	Application of silviculture activities		X		X		X		X		X	CF Executive members & CF Focal
	Sale of Firewood	X			X			X			X	
	Patrolling of whole block	X	X	X	X	X	X	X	X	X	X	CF Executive members & CFMG
	Waste collection	X	X	X	X	X	X	X	X	X	X	CFMG
	Sale of forest produce			X			X			X		CF Executive & CFMG
	Verifying the timber allotment forms, issuing permits & marking	X	X	X	X	X	X	X	X	X	X	CFMG Committee & CF Focal
	Monitoring and Evaluation	X	X	X	X	X	X	X	X	X	X	RMNP

PART B: BY-LAWS

By-law serves as a social modality support and helps in administering the community institution within the management plan period. The by-law for Rejuk CF is prepared through a participatory process anchoring relevant Forest and Nature Conservation Rules which has a direct impact on the function of CF as a whole. The detailed CF by-law components are as below:

Membership Arrangement

- The 15 households (Annexure 1) are members of Rejuk CF.
- A sum of Nu. 100 will be collected as an annual membership fee from each CF member.
- New members willing to join as Rejuk CF members must pay Nu.4000/- and shall pay the accumulated cost of daily labor contributed by the CFMG (The wage rate shall be based on the prevailing rate of the National Work Force).
- New members joining the CF must have valid registered *Thram* and house numbers and must be an inhabitant of the area.
- In special circumstances, the son(s) and daughter(s) of the existing CFMG members who is the resident of the village under separation from his *Thram* of own can become a member after paying a membership fee of Nu.100.-plus a sum equivalent to 50% of accumulated labor contribution.

Procedure for exiting Membership from the CFMG

- Any member leaving the CFMG at his/her wish shall not get any benefits accumulated till date and will not be allowed to join the group later even after paying additional fees. However, the son(s)/daughter(s) of the former can join as a member with an entry fee of Nu.300/- and must pay 70% accumulated cost of daily labor force contributed by present members till then from the date of inception.
- If any of the members happen to leave the CFMG on domestic grounds and other unavoidable circumstances shall be allowed to withdraw from membership and be entitled to his /her benefits if the reason is genuine.
- Any members leaving the group after availing of the benefits must pay a sum of Nu.5000/- .
- Members willing to exit without claiming benefits accumulated till date must pay a sum of Nu.2000/- to the CFMG's account.

Management Committee Formation

The CFMG shall comprise the committee members nominated by the members through voting of the majority. They will continue as committee members if the CF management activities function well under the CF Management Plan. The list of committee members is as hereunder:

- | | |
|-----------------|------------------|
| 1. Chairperson | Mr. Rinzin |
| 2. Secretary | Mr. Dorji Singye |
| 3. Treasurer | Mr. SangayThugay |
| 4. CFMG Tshogpa | Mr. Jangchuk |

The term for the Chairperson, Secretary, and Treasurer shall be for 5 years. However, if he/she is unable to administer their duty as per the prescribed By-Laws, anyone can be nominated among the CFMG through a majority vote.

Terms of Reference for CFMG management committee

1. Represents CFMG to other agencies including the Forestry staff
2. Represent CFMG during the preparation and implementation of the CF management plan
3. Coordinates and administration of CF activities
4. Responsible for equitable distribution of benefits among the CFMG members
5. Responsible for the management of forest resources (timbers, NWFPs, sand and boulders, and any other resources)
6. Responsible for enforcing the by-laws of the CFMG.
7. Responsible for carrying out as per the legal guidelines.
8. Responsible for maintaining the CFMG fund using the cash collected from various sources
9. Responsible for organizing and conducting CFMG meetings when required
10. Coordinate and entertain any guest on behalf of CFMG who came for a study tour or other excursions
11. Conduct monitoring and review of CF plan and program on an annual basis and also conduct the mid-term review (5 years) and final evaluation (9th years)
12. Time fixation for collecting forest produces from CF
13. Marketing of CF produces and prices fixation tasks will be handled by the CF Management committee.
14. Monitor all the impacts of development activities within the CF in consultation with nearby Forestry staff and inform accordingly to CFMG and Forestry Office for corrective intervention.
15. Plan and prepare a road map projection plan (Development activities) for CFMG
16. Any resignation of Committee members must do handing taking with incumbent CF management committee members and then resign

Terms of Reference (ToR) of the Chairperson

1. Heads the CFMG
2. Calls meetings whenever necessary.
3. Chairs and facilitates meetings and makes sure that every member is allowed to speak, thereby giving everyone a fair chance to speak and raise issues
4. Approves applications for entire forest products.
5. Countersigns financial transactions and authorization to draw cash from the bank account (with Treasurer)
6. Well-versed in policies, Acts, Rules, and regulations about any development activities which is to be implemented within CF
7. Liaison with relevant agencies to address the issues associated with the CF
8. Monitor the annual CF operational plan activities and advice accordingly
9. Issue forestry clearance for any development activities on behalf

ToR of Secretary

1. Assists the Chairperson and officiates him/her during his/her absence
2. Correspondence (writing of letters, office orders, work orders, and others)
3. Maintain the office files of the CFMG
4. Maintains detailed information about the CFMG members,
5. Maintain the stock register associated with CF.
6. Approves applications for forest products (with Chairperson)
7. Maintain all the forest produces transaction lists.
8. Keeps minutes of any annual general CFMG meetings or executive meetings.
9. Prepares Annual Progress Report (with other CF Management Committee members).
10. Maintain all the records associated with the disaster of CFMG

ToR of Treasurer

1. Responsible for financial transactions on behalf of the CFMG
2. Keeps records of expenditures and labor contribution of each member during CF activities
3. Maintain account on annual membership fee collection, permit fees, and royalty lists and present during every CFMG meeting
4. Prepares the Annual Financial Progress Report with assistance from CF Management Committee and submits it to Social Forestry & Extension Unit under Division Forest Office
5. Countersigns entire financial transaction and authorization to draw cash from the bank account (with Chairperson)
6. Keep a record of incoming revenue generated through CF Development Activities (sale of excess timbers, sand, and boulders, PES)
7. Maintain all the expenses bills/cash memos/hand receipts/donation receipts and other adjusted documents of CF
8. Maintain details of members who availed of loans and update their interest rates and principal amounts.

9. Follow up on all the unpaid dues like membership fees, absentees, and a loan amount of the CFMG.

ToR of Patrolling Team Leader

1. Coordinate patrol and monitor of CF area
2. Report any sort of illicit and worthwhile matter to the Secretary sooner after the patrol
3. Patrolling schedules will be prepared by Team Leader in consultation with CF committee members.
4. The team Leader has a right to apprehend any offender and directly report to CF executive members and CFMG.

Terms of References for Audit Tshogpa

1. CFMG will form an Audit group as and when required.
2. Audit the financial matter (cash book, bank book, membership fees, royalties, compensation, etc.) on annual basis before Annual CFMG General Meeting
3. Audit work progress like plantations, labor contributions, and any development activities initiated by the CFMG.
4. To review and monitor the CF activities as per the annual work plan.
5. Prepare annual audit report (Evidence) and present the reports/findings during the Annual CFMG General Meeting.
6. To monitor the ToRs prescript in the CFMP
7. Any corruption cases must investigate bring the notice of the CFMG members and refer to relevant agencies for further prosecution.

Terms of Reference of CFMG

1. To follow the procedures and rules of the CFMG as outlined in the CFMP and By-laws
2. Participation in CFMG planning and decision-making process
3. Election of CF Management Committee members
4. Participates in the drafting of the CF management plan and CFMG by-laws formulation.
5. Participates in CFMG meetings, training, workshop, seminar, and study tours associated with CF
6. Participate with the CF Management Committee in carrying out forest management and other management operations especially by contributing labor if required.
7. Participate with the CF Management Committee regulating forest produce use by other CFMG members and by outsiders.
8. Participate in achieving CFMG activities as per the annual operation plan.
9. Carry out forestry activity in the CF with a focus on the improvement of forest condition and sustainable management of the resources as per the Department's standards and approved CF Management plan
10. Participate in carrying out silviculture activities inside Community Forest.
11. Members are allowed to harvest forest produce only after marking by the concerned forest official.

12. Obey the instruction and direction of CF Management Committee members and act accordingly

13. Any resign of CFMG members must submit a membership resignation application form and then resign.

Offences and Penalties

All members and non-members found guilty of an offence and involved in any illegal activities shall be dealt with as per the provision of Forest and Nature Conservation Rule 2020.

Table 19: Offence and Penalties

Si No	Offences	Fines (Nu.)	Compensations
1	Felling of tree in the buffer zone	200/ cft	NRPC rate on log/sawn form
2	Absentees in any CF activities	National Wage Rate	Absentee-like unavoidable conditions like demise will be exempted
3	Conducting any research & studies within CF (besides DoFPS, MoAF)	Nu.3000/-/day for Bhutanese and Nu.10,000/-/day for foreigners	Seizure of documents and equipment
4	Construction of new water tanks, waterspipes, and irrigationchannelsby outsiders in the CF area	Nu.5000	Since area ownership lies with CFMG and forest clearances, no objection letter and approval must be sought from CFMG
5	Felling of trees and poles without a permit	Nu.100/ cft on log volume	NRPC rate on the log Volume and sale thereof by CFMG
6	Felling of trees without marking even if the offender possess a valid permit	Nu.500/ tree	Seizure of the forest produce and sale there off by CFMG
7	Collection of sand and boulders without permits	Nu.1500/TL	NRPC rate per TL &Seizure of the forest produce
8	Any removal of forest produces from CF without consent of the CFMG	Nu. 100/cft	NRPC rate on log/sawn from
9	Any CFMG members selling, leasing, and mortgaging CF in violation of management prescription and bylaws	Nu. 10,000/ case	Compensation at NRPC rate of the forest produce involved, and (c) Restoration cost of the damaged area, or (d) Suspension of Rural Subsidized Timber entitlement from CF and SRF for 5years.

10	Clearing corridors for electricity, approach road, telephone, etc.	Nu.50/ Meter	NRPC rate and log/sawn volume
11	Non-compliance of Terms of References (ToR) by CF Management Committees		Members must resign and hand over the task to another new member in written forms
12	Misused of CF funds by CF Management Committees		The defaulter will have to compensate 100% within a month. If not, terminate from CF without benefits accumulated to date.
13	Absentees in CF meetings/training/workshops /seminar	Nu.100/ day	Absentee-like unavoidable conditions like demise will be exempted
14	Grazing Inside the Plantation area and water source at Tshomae Block	1 st : Nu.100/- per cattle 2 nd : Nu 150/- per cattle	3 rd Offence (FNCRR 2017)
15	Harvesting of Bamboo species	Nu. 100/- per clump	
16	Non-compliances to the instruction of CF management Committee members (Chairman, Secretary, Treasurer, and other task holders)		First times warning in verbal form -second times in written order & -Third terminated from CFMG without benefits accumulated to date.
17	Littering and disposing of garbage/wastes material and polluting water bodies and CF area	Nu.500/ case	N/A
18	Removing or destroying or setting traps or snares or capturing any wildlife/plants in CF	Nu.5000/defau lterd	Confiscation of specimens and equipment and handover to nearest Forest office for case compounding
19	Construction of any approach road in CF by any agencies	Nu.200/m	Agencies must pay restoration cost and NRPC rate at log/sawn volume
20	Any Fines, penalties, and compensations shall be paid within 15 days	Nu.500/ day	The defaulter will be penalized with a sum of Nu.500/day.
21	Forest Fire inside CF	Nu. 2000/case	The defaulter will be penalized with Nu.5000/day as a suppression cost
22	Illegal fishing inside CF	N/A	The defaulter will be forwarded to Umling Range Office for case compounding

The Secretary and Treasurer are responsible to collect fines and keep a record of the same. They must present their report during the committee meeting.

Fees

Generally, membership fees will be collected Nu.100 annually. Further CFMG will also make funds from royalties from RHBT, firewood, fencing posts, and poles; sale of excess timbers; sale of finished products, donation, fines, and penalties including compensations.

Financial Arrangement

The CFMG fund could be raised through various sources as mentioned below:

- Membership Fee
- Loan (Interest)
- Fines
- Fees
- Sale of Non-wood forest produce (NWFP)
- Penalties and fines (illegal/absentee)
- Donations received from various stakeholders
- Sale of excess Drashing from CF

The table below shows the royalty rate for each forest product if allotted to CFMG. The rate of Non-Wood Forest Products (NWFPs) can be changed based on the current market value.

Table 20: Royalty for the following products

Products	Royalty (Nu)
Drashing	50/tree
Cham	25/tree
Tsim	20/tree
Dangchung	15/tree
Fencing poles	10/tree
Flag post	10/tree
<i>Brooms</i>	10/bundle
Bamboo	5/ clump

For the generation of the community fund, the CFMG will also provide loans to CFMG members as per the following terms and conditions.

- 1.1. The amount of loan will be granted up to Nu. 10,000/- only.
- 1.2. The interest rate for CFMG members shall be 3% per year for CFMGmembers.
- 1.3. The period for repayment of the loan (actual amount+ interest rate) shall be 1 year and if repayment couldn't pay on time, he/she has to pay 6 %interest.
- 1.4. Any members applying for an additional loan shall have to liquidate old dues.
- 1.5. Loan application shall be done through the standard formats developed by SFED, and DoFPs.

- 1.6. Verification and sanctioning of loans shall be done during the monthly CF committee meeting.

The fund generated from the above source will be deposited jointly in the CF saving account with a joint signatory from Chairman and Treasurer. The fund will be utilized for community development based on the resolution drawn by CFMG during the general meeting.

Benefit Sharing procedure (equity)

- a. The harvesting of house-building timber for new construction or repair and firewood (not dry firewood) shall be done once a year after marking trees. Marking timing will be followed as per FNCR 2020.
- b. Committee members and CFMG along with Community Forest Focal Person will discuss the needs and priorities of timber for the CFMG.
- c. The timber selection should be done technically and no individual will claim for better trees during marking. However, if there is some problem in benefit sharing, CFMG Committee members will conduct a meeting to maintain free and fair allotment of trees.
- d. The number of products harvested will directly depend on the annual allowable cut prescribed in the plan.
- e. Selling of forest products particularly NWFP (Non-Wood Forest Product) to non-members will be done by CFMG Committee members, not by an individual. The price will be per the prevailing market rate.
- f. CFMG may loan the timber among themselves with a written agreement in presence of committee members.
- g. Benefits from the CF will share equally among all members.
- h. During the demise of the head of the household (CFMG member name list attached), 'Semsoo' of Nu.5000/- will be paid from the CFMG group account.

Meeting

General Meeting

The CFMG will convene a meeting twice a year (half-yearly basis). However, whenever the need arises, Chairman has the right to arrange a meeting for CFMG at any time on issues associated with CF. The meeting will be focused on reviewing of CF management plan and various issues related to CF activities. During the meeting, matters associated with finance and account information like financial inflow and outflow of the CFMG shall be addressed. For any decision-making, at least three-fourths of the members should be present in the meeting.

Record Keeping

Record keeping is essential for any group management to avoid inevitable complications. Therefore, to ensure efficiency, transparency, and accountability, the committee members particularly, the Secretary are entrusted to keep records related to any management aspects such as minutes of meetings, sanctioning of forest products, and general correspondences.

However, Treasurer will maintain detailed financial records encompassing financial inflow & outflow and has to present during CFMG meetings.

Conflict Resolution

Any dispute within the CFMG or outsiders with regards to CF will be sorted out and compromised by the CF Committee members. However, if the case is beyond their capacity of them, the matter must be forwarded to the Park Range Office (Umling Range Office), Gweog Administration, and further to the Office of Park Manager, RMNP and Court if necessary.

Amendments and Revisions of the CFMP

The CF management Plan is prepared for 10 years and the CFMG is obligatory to implement accordingly. The revision will be done in the ninth year of the plan period with the consultation of the Community Forest Focal (Range Office). There is no way to amend or revise the management plan in between the plan period.

However, if there are any omissions or genuine requirements for the better management of general welfare, the proposal may be put up through a general meeting and submitted to the Office of Park Manager, RMNP, and Department of Forest and Park Services accordingly.

Department of Forest

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

- Take action against violators of the Act, Rules, or Management Plan, regardless of whether requested by CFMG or not.
- Inspect, monitor, review the records and otherwise supervise the activities of the CFMG, and take action (including revocation of the CFMG's certificate, where warranted under these Rules) against the CFMG or any of its members who may be acting in violation of the provisions of the Management Plan or any provisions of the FNCR, 2017.
- Establish record-keeping and financial reporting obligations.
- Support CFMG members in implementing CFMP.
- Assess yearly progress reports and plan activities and give feedback if necessary.

Annexure 1. Application and Membership List

Annexure VI: Application to Establish Community Forests

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

APPLICATION TO ESTABLISH COMMUNITY FOREST

PART A (To be filled by the applicant)

The Gup,

In accordance with the Forest and Nature Conservation Rules and Regulations, 2017, I, Rinzin,
the Chairman of the Community Forest Management Group of Rejuk
villages(s) consisting of 15 households, would like to submit this application for
establishment of Community Forest. (map attached)

- a) Gewog: Umling
- b) Description of the State Forest land proposed for establishment of Community Forest:
- i) Name of the forest: Rejuk Community Forest
- ii) Boundary description:
- N Chubarthang Village & Tashithang CF
S Farm Road
E Gasyor Trachithang CF & SCRF
W Rijong Village
- iii) Estimated area: 800 ac (ha)
- iv) Forest type: Sub-Tropical Forest

Signature: [Signature]

Name of the CFMG Chairman: Rinzin

Date: 5/12/22

Annexure VI (continued)

COMMUNITY FOREST MANAGEMENT GROUP MEMBERSHIP

Sl.No.	Name of Household Representative	CID Card No:	House No.	Thram No. (If applicable)	Signature
1.	Rinzin	11514004675	Pa-15-209	498	(1)
2.	Rinchen	11315001972	Pa-15-193	452	(2)
3.	Lungten	11315001981	Pa-15-194	486	(3)
4.	Nidup Gyeltshen	11315002610	Pa-15-222	499	(4)
5.	Pema Chozom	-	Pa-15-195	454	(5)
6.	Chogyal	11315001964	Pa-15-192	452	(6)
7.	Sangay Thujay	-	Pa-15-190	451	(7)
7.	Pema Choden	-	Pa-15-228	572	(8)
8.	Wangdi (A)	-	Pa-15-191	369	(9)
9.	Tshering Choke	11315001957	Pa-15-191	369	(10)
10.	Tshering	11315002038	Pa-15-408	204	(11)
11.	Tashi	11315002029	Pa-15-203	458	(12)
12.	Pema Tshering	11315002018	Pa-15-391	1124	(13)
13.	Kencho Feldon	113150021	Pa-15-376	971	(14)
14.	Wangdi (B)	- 41	Pa-15-288	583	(15)
15.	Dechen mo	-	Pa-15-208	365	(15)

Annexure VI (continued)

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

Name and Signature of Gup:

Gewog:

Date:

Gup
Gewog Administration
Umling : Sarpaang

PART B (To be certified by Range Officer)

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

Justification for approval/rejection:

1. *Recommended for CF revision plan.*
2.

Signature: *[Signature]*
Name:
Name of Range: *Royal Manas National Park*
Date:

PART C (To be certified by the CFO)

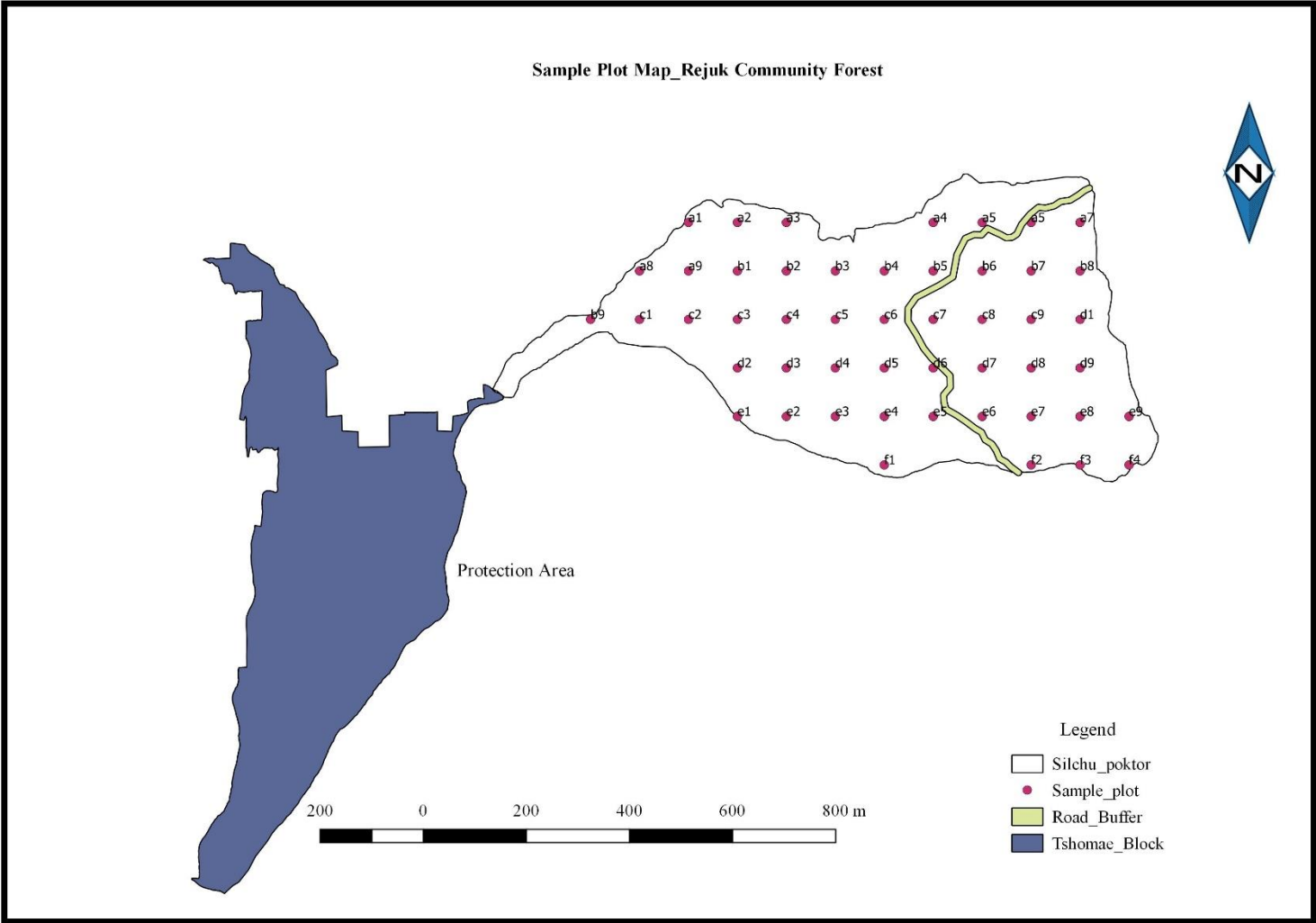
I have reviewed the application and I am satisfied/not satisfied, with the details provided in the application and the area is suitable/unsuitable for Community Forest Management. I accept/do not accept the application for establishment of Community Forest.

Justification:

1. *The revision is based on the interests of CFMG members.*
2. *The revision is based on successful implementation of earlier CF management plan.*

Signature: *[Signature]*
Name of CFO:
Division/Park: *Royal Manas National Park*
Gelephu
Date:

Annexure 2: Rejuk Community Forest Sample Plot Map



Annexure 3:CF Sample Plot GPS Coordinate (Silchu Poktor)

Sl. No	Plot ID	Latitude	Longitude	Si No	Plot ID	Latitude	Longitude
1	a1	26.83741591	90.55527578	26	c8	26.83568	90.561002
2	a2	26.83741216	90.5562315	27	c9	26.83567	90.561957
3	a3	26.8374084	90.55718721	28	d1	26.83567	90.562913
4	a4	26.83739707	90.56005436	29	d2	26.83484	90.556219
5	a5	26.83739329	90.56101007	30	d3	26.83484	90.557175
6	a5	26.83738949	90.56196579	31	d4	26.83483	90.55813
7	a7	26.8373857	90.5629215	32	d5	26.83483	90.559086
8	a8	26.83656231	90.55431589	33	d6	26.83483	90.560042
9	a9	26.83655856	90.5552716	34	d7	26.83482	90.560997
10	b1	26.8365548	90.55622731	35	d8	26.83482	90.561953
11	b2	26.83655104	90.55718302	36	d9	26.83481	90.562909
12	b3	26.83654728	90.55813872	37	e1	26.83398	90.556215
13	b4	26.8365435	90.55909443	38	e2	26.83398	90.55717
14	b5	26.83653972	90.56005014	39	e3	26.83398	90.558126
15	b6	26.83653594	90.56100585	40	e4	26.83397	90.559082
16	b7	26.83653214	90.56196156	41	e5	26.83397	90.560037
17	b8	26.83652834	90.56291726	42	e6	26.83396	90.560993
18	b9	26.8357087	90.55335601	43	e7	26.83396	90.561949
19	c1	26.83570495	90.55431172	44	e8	26.83396	90.562905
20	c2	26.83570121	90.55526742	45	e9	26.83395	90.56386
21	c3	26.83569745	90.55622312	46	f1	26.83311	90.559078
22	c4	26.83569369	90.55717882	47	f2	26.8331	90.561945
23	c5	26.83568992	90.55813452	48	f3	26.8331	90.5629
24	c6	26.83568615	90.55909022	49	f4	26.8331	90.563856
25	c7	26.83568237	90.56004592				

Annexure 4: Compilation Sheet for Silchu Poktor Block (T)

Format 4: Forest Resources Assessment: Compilation sheet for T								
CF Name	Rejuk		Block area	45.39				
Block name	SilchuPoktor							
No. of plots	49		Compiling data					
Col1	Col2	Col3 (3 decimal)	Col4 (3 decimal)	Col5 (3 decimal)	Col6(0 decimal)	Col7 (2 decimal)	Col8 (2 decimal)	Col9(2 decimal)
<i>dbh class (cm)</i>	<i>basal area(m2)</i>	<i>Class volume (m3)</i>	<i>plot size(ha.)</i>	<i>Expansion factor</i>	<i>Tally</i>	<i>nrha(stem/ha)</i>	<i>basal/ha</i>	<i>vol/ha</i>
10-19	0.017	0.115	0.05	0.41	15	6.12	0.10	0.70
20-29	0.047	0.428	0.05	0.41	12	4.90	0.23	2.10
30-39	0.093	1.015	0.05	0.41	17	6.94	0.65	7.04
40-49	0.156	1.9335	0.05	0.41	5	2.04	0.32	3.95
50-59	0.233	4.0365	0.05	0.41	3	1.22	0.29	4.94
60-69	0.327	5.9825	0.05	0.41	1	0.41	0.13	2.44
70-79	0.436	8.408	0.05	0.41	2	0.82	0.36	6.86
80-89	0.561	11.35	0.05	0.41	0	0.00	0.00	0.00
90-99	0.701	14.8395	0.05	0.41	0	0.00	0.00	0.00
100-109	0.858	18.9105	0.05	0.41	0	0.00	0.00	0.00
110-119	1.03	23.5905	0.05	0.41	0	0.00	0.00	0.00
120-129	1.217	28.9105	0.05			0.00	0.00	0.00
					55			
					the sum of all dbh classes	22.45	2.07	28.04

Annexure 5: Compilation Sheet for Silchu Poktor Block (N)

Format 4: Forest Resources Assessment: Compilation sheet for N								
CF Name	Rejuk		Block area	45.39				
Block name	SilchuPoktor							
No. of plots	49		Compiling data					
Col1	Col2	Col3 (3 decimal)	Col4 (3 decimal)	Col5 (3 decimal)	Col6(0 decimal)	Col7 (2 decimal)	Col8 (2 decimal)	Col9(2 decimal)
<i>dbh class (cm)</i>	<i>basal area(m2)</i>	<i>Class volume (m3)</i>	<i>plot size(ha.)</i>	<i>Expansion factor</i>	<i>Tally</i>	<i>nrha(stem/ha)</i>	<i>basal/ha</i>	<i>vol/ha</i>
10-19	0.017	0.115	0.05	0.41	23	9.39	0.16	1.08
20-29	0.047	0.428	0.05	0.41	11	4.49	0.21	1.92
30-39	0.093	1.015	0.05	0.41	31	12.65	1.18	12.84
40-49	0.156	1.9335	0.05	0.41	9	3.67	0.57	7.10
50-59	0.233	4.0365	0.05	0.41	8	3.27	0.76	13.18
60-69	0.327	5.9825	0.05	0.41	7	2.86	0.93	17.09
70-79	0.436	8.408	0.05	0.41	5	2.04	0.89	17.16
80-89	0.561	11.35	0.05	0.41	2	0.82	0.46	9.27
90-99	0.701	14.8395	0.05	0.41	0	0.00	0.00	0.00
100-109	0.858	18.9105	0.05	0.41	0	0.00	0.00	0.00
110-119	1.03	23.5905	0.05	0.41	0	0.00	0.00	0.00
120-129	1.217	28.9105	0.05			0.00	0.00	0.00
					96			
					the sum of all dbh classes	39.18	5.16	79.64

Annexure 8: STAND & STOCK TABLE SHEET-NUMBER OF TREES

STAND & STOCK TABLE SHEET 1 - NUMBER OF TREES													
1. Name of CF							Rejuk						
3. No of Plots							49						
4. Block Name							Silchu Poktor						
Dbh class (cm). Write all values to 2 decimals													
Species group	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120+	total
Bluepine													
Hemlock													
Sprcue													
Broadleaf													
total conifer													
Schima wallichii	1.00	1.00	1.00	5.00	1.00	6.00	3.00	2.00		2.00		3.00	25.00
Angari	2.00					1.00	2.00	1.00					6.00
Pterospermum acerifolium	13.00	8.00	5.00	3.00									29.00
Castronopsis spp		2.00	1.00	2.00	1.00	2.00	1.00						9.00
Lampatey			4.00	1.00	2.00	3.00	1.00						11.00
Panisas			2.00	1.00									
Chakrashii	2.00	2.00		2.00	4.00	1.00							11.00
Bijiwean	1.00	1.00	1.00	1.00	1.00								
Wongma sing	1.00				1.00								
Magnifera spp			1.00		2.00								
Shetey							1.00	1.00					

Michelia champaca		1.00		3.00	4.00	2.00	1.00	1.00	1.00				
Maina			2.00	2.00				1.00					
Dingsing												1.00	
Chatiwan	1.00												
Toni spp		1.00	2.00	2.00	3.00	1.00	2.00						11.00
Unknown	1.00	2.00	3.00	1.00	2.00	1.00	1.00						
Syzigium spp		1.00		1.00									2.00
total broadleaf	22.00	19.00	22.00	24.00	21.00	17.00	12.00	6.00	1.00	2.00		4.00	
total all species	22.00	19.00	22.00	24.00	21.00	17.00	12.00	6.00	1.00	2.00		4.00	
	21	17	21	16	16	9	8	3				1	