

**TSHOCHEN KHATEY GAKILING COMMUNITY FOREST
MANAGEMENT PLAN
(1st Revision)**



Village: Tshotsalu

Gewog: Martsalla **Drungkhag:** Samdrupcholing

Samdrup Jongkhar



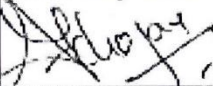
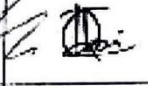
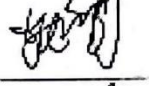
Jomotsangkha Wildlife Sanctuary

Plan Period: December 2022 – Nov 2033

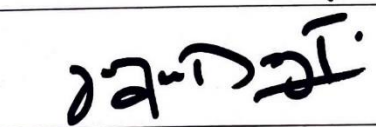

APPROVAL SHEET

Name of Community Forest	Tshachen Khater Gakiling
Village	Tshotgalu
Chiwog	Tshotgalu
Gewog	Maetsaln
Dzongkhag	Samdrup Jongkhar
Production area(Hectare/Acre)	62.59 Hectare
Protection area(Hectare/Acre)	15.83 Hectare
Total Community Forest Area(Hectare/Acre)	78.48 Hectare
Total CFMG member(No. of HH)	17 HH

Prepared and submitted for approval

	Community Forest Management Group	Forestry Representative (CFMP facilitator)	Gewog Administration	Social Forestry Section	Division/Park Office
Signature					
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REVIEWED and RECOMMENDED FOR APPROVAL

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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. M ³	Cubic Meter
9. CFT	Cubic feet
10. SRF	State Reserved Forest
11. Masl	Meter above sea level
12. T/L	Truckload
13. CFO	Chief Forestry Officer
14. PRA	Participatory Rural Appraisal
15. RRA	Rural Rapid Appraisal

1. Executive summary

The Tshochen Khatey Gakiling Community Forest (CF) is located adjacent to Tshotsalu village under Martsalla gewog. It was initially established in 2012 by 16 Community Forest Management Group (CFMG) members of Tsotsalu village under Martsalla gewog. It has an area of 78.48 hectare (Ha) and average basal area of 24.7m² /ha. Types of forest present in the CF's are warm and cool broadleaved forest.

The past 10-years CF management plan (**December 2012–November 2022**) got expired in November 2022. During monitoring and evaluation of CF, it was observed that CFMG have utilized and managed CF resources sustainably as per the management plan. Besides, there were good cooperation amongst CFMG members during the implementation of past management plan. Hence, Jomotsangkha Wildlife Sanctuary supported to carry out revision of management plan for Community Forest. The main objectives of revised CFMP are:

- 1. Conservation and protection of Flora and Fauna for present and future generation.*
- 2. Sustainable harvesting of timber and non-wood forest products.*
- 3. Restocking of forest stand through afforestation and reforestation programs and.*

The systematic sampling method assessment was adopted for resources assessment survey as per the Community Forest Manual, 2018. Systematic sample points were generated using QGIS 3.14. which represented entire CF area and it was later uploaded into SW map to navigate to points in the field. After reaching to the sample plots, circular plots of 12.62m radius were laid out to enumerate tree data (above 10cm DBH) and regeneration plot of 3.57m was laid out to enumerate regeneration status within CF area (trees below 10cm DBH). Besides, in person meeting was conducted with CFMG members using PRA and RRA tools to assess demand, preparation of by-laws and annual work plan for management activities to be carried out in 10 years.

CF has adequate timber and non-timber tree species to meet demand of CFMG for next 10 years. The annual allowable cut (AAC) of CF fixed at 17 Drashing, whereas the demand of CFMG was only 12 Drashing annually. CF has potential to generate income by selling surplus timbers. However, regeneration status of timber or non-timber trees in CF is found to be very poor due to heavy under growth of bamboo species that suppresses the regeneration of important tree species.

PART A: MANAGEMENT PLAN

2. Introduction

Tshochen Khatey Gakiling Community Forest (CF) is situated nearby Tshotsalu Chiwog at Martsalla gewog in Samdrup Jongkhar district. It is located between 26°58'20.24"N to 26°58'56.75"N and 91°45'50.14"E to 91°46'49.74"E. The latest surveyed and delineated total area is **78.48 hectares**. The CF was first established in year 2012 with 16 Community Forest Management Group (CFMG) formed by the community of Tshotsalu Chiwog under Martsalla gewog.

The CF area lies in the altitudinal range of 1467-1919m above mean sea level (masl). The dominant forest types found in CF is warm broadleaved forest and cool broadleaved forest. The CF is associated with sparse undergrowth of NWFP species such as Bamboo, Rubia Fern, and Mushroom and has potential to meet the domestic requirement and self-consumption of the CFMG. The dominant tree species found in CF are *Beilschmiedia* sp. *Michelia* sp. *Exbucklandia populnea*, *Lithocarpus* sp. and *Castanopsis* sp. among others. The CF is also sanctuary for various wildlife such as *Elephas maximus*, *Rusa unicolor*, *Munticus muntjak*, *Bos gaurus* and *Sus scrofa*. Besides, it is also a home for various bird species such as Kalij Pheasant, Hornbill species and Tragopan species.

The CFMG have actively participated in sustainable resource utilization and management and implementation of management prescriptions in line with the last 10 years CFMP. It was also observed that resources were sustainably harvested based on annual allowable cut (ACC). To improve forest condition; plantation in barren land, removal of climbers and vine trees were also carried out in the CF. Besides, CFMG member had also conducted regular patrol within CF areas curtailing poaching and illegal logging incidences. The CF benefited CFMG members in meeting Rural House Building Timber demand. The totals of 10 houses (5 new constructions and 5 Renovation) were carried out after availing timber from CF in last 10 years. The last 10 years management plan period was expired in November 2022 and accordingly management plan revision was carried out. This CF revision and activities thereof are being carried out by 17 CFMG from Tshotsalu Chiwog. The main objectives of establishment and revision of CF are:

1. *Conservation and protection of Flora and Fauna for present and future generation.*
2. *Sustainable harvesting of timber and non-wood forest products and*
3. *Restocking of forest stand through afforestation and reforestation programs.*

2.1. Maps for Community Forest

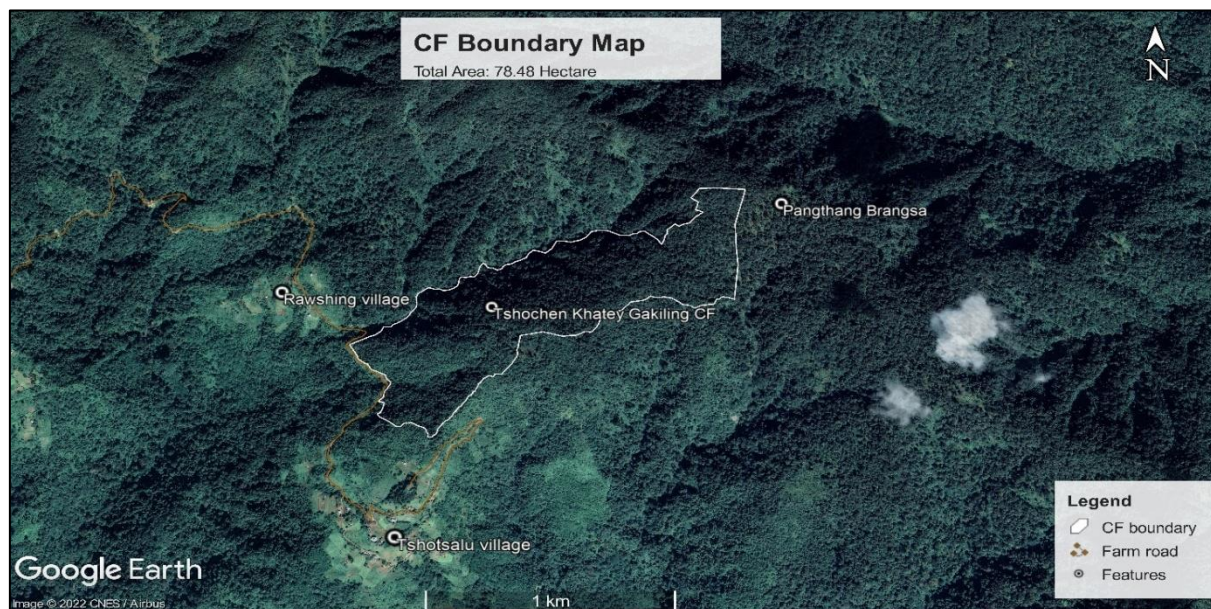


Fig.1. Boundary map of CF

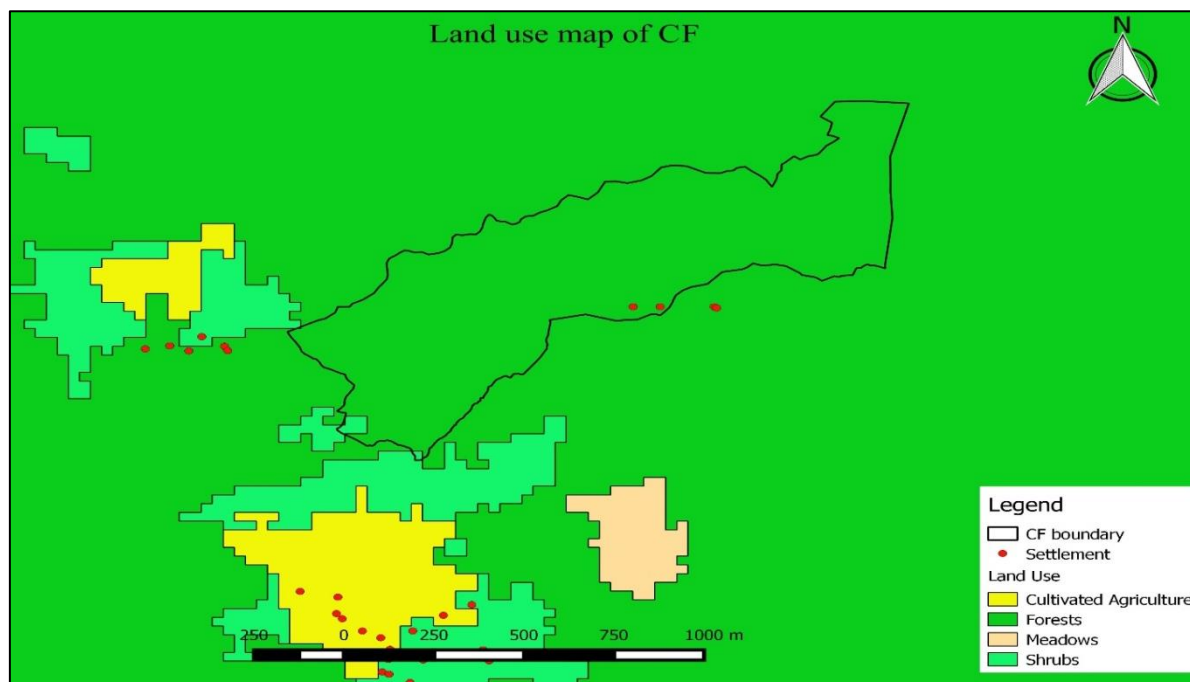


Fig.2. Land use map of CF

2.2. Community Forest Boundaries

Boundaries	Permanent features
West	Menjari stream
East	Pangthang Brangsa and Shintongmari stream
South	Tshotsalu Village
North	Frangfrangla ridge

2.3. Social Information

	Description
Name of the village	Tshochen Khatey Gakiling CF
Ethnic groups with CFMG	Sharshop
Basic amenities	Farm road, ORC, and electricity
Total household (HH) number of CFMG	17
Population of CFMG	166
% male and % Female	55.42% male & 44.57% female
Main source of income	Cardamom, ginger cultivation
Cattle population of the CFMG	102
Main crops	Maize and buckwheat
Cropping pattern	Seasonal
Any other information	

2.4. Forest Information

Tshochen Khatey Gakiling CF consists of single block with an area of 78.48 hectare. From which 62.59ha falls under net production zone and rest 15.83ha falls within net protection zone. It has an average basal area of 24.7 m²/ha. CF is dominated by warm broadleaved and cool broadleaved forest.

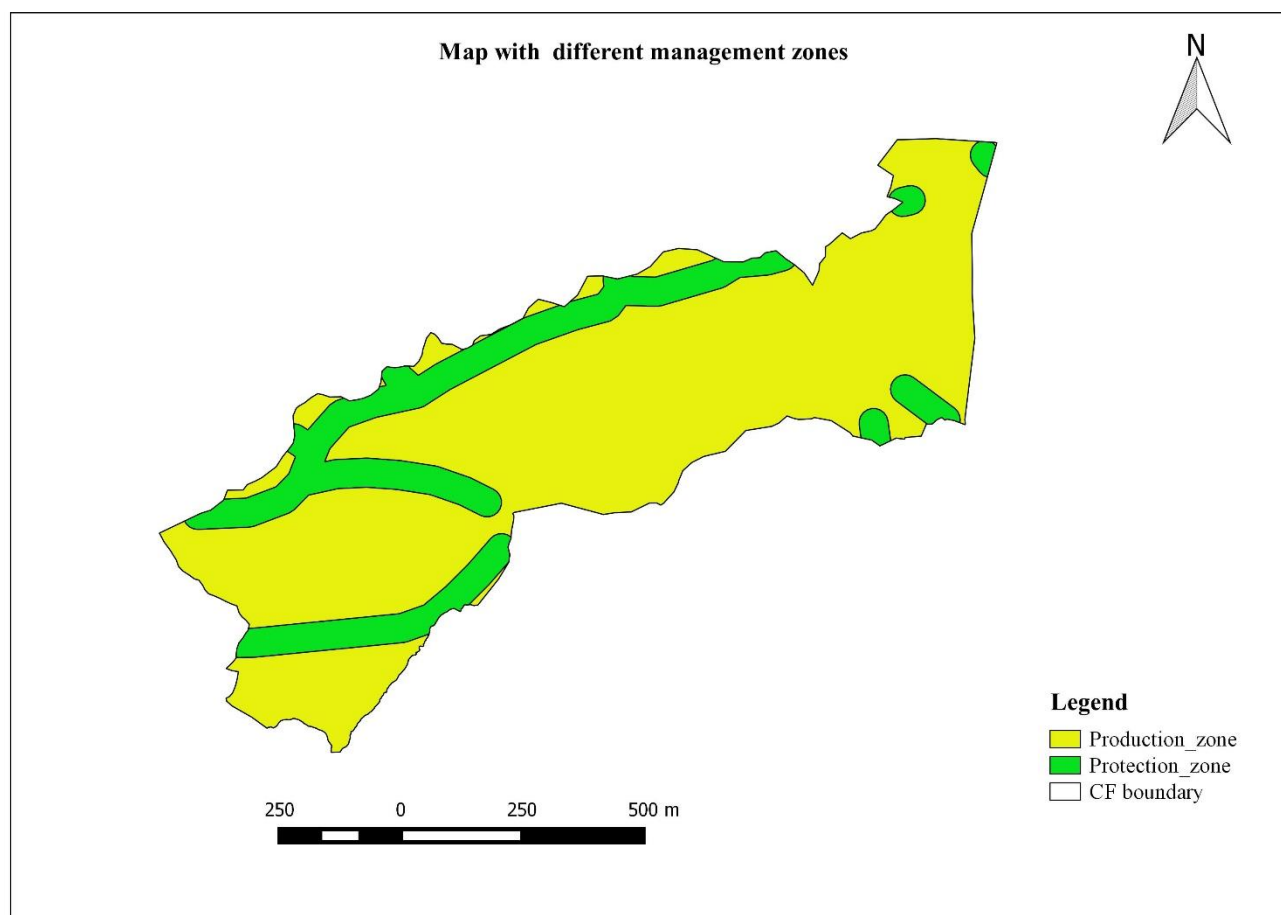


Fig.3. Map for whole block of CF showing different management zones.

Block I: Forest & Habitat Type			
Forest <input checked="" type="checkbox"/>	Thicket/pole stage <input type="checkbox"/>	Shrub Land <input type="checkbox"/>	
Grassland <input type="checkbox"/>	Plantation <input type="checkbox"/>	other <input type="checkbox"/>	
Vegetation Type			
Subtropical <input type="checkbox"/>	Chirpine Forest <input type="checkbox"/>	Warm broadleaved Forest <input checked="" type="checkbox"/>	Blue pine forest <input type="checkbox"/>
Cool broadleaved Forest <input type="checkbox"/>	Mixed Conifer Forest <input type="checkbox"/>	Fir Forest <input type="checkbox"/>	Other <input type="checkbox"/>

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Forest Condition	
Write the names of main tree species	
Local Name	Scientific Name
Kheserbushing	
Golushing	<i>Beilschmedia</i> sp.
Karshing	<i>Michelia</i> sp.
Shakorshing	<i>Lithocarpus</i> sp.
Lemshing	<i>Exbucklandia populnea</i>
Tseshing	<i>Castanopsis</i> sp.

Block I: Forest Condition-age							
Mature	<input checked="" type="checkbox"/>	Pole stage	<input type="checkbox"/>	Shrub land	<input type="checkbox"/>	Any	<input type="checkbox"/>
Main canopy of mature trees		Main canopy of pole-stage trees		Main canopy of shrubs, young trees, or regeneration		No continuous canopy. Isolated trees only	

Forest Condition-Canopy Density		
Dense <input type="checkbox"/> Canopy density >70	Open <input checked="" type="checkbox"/> Canopy Density <70%	Very Open <input type="checkbox"/> No Real canopy. Isolated trees only

Forest Condition-Regeneration		
Abundant <input type="checkbox"/> Regeneration easy to find in most place	Scattered/few <input checked="" type="checkbox"/> Regeneration only in some places and hard to find	None <input type="checkbox"/> No regeneration
Write name of the 3 main tree species in the generation		
1) <i>Lithocarpus</i> sp.	2) <i>Beilschmedia</i> sp.	3) <i>Michelia</i> spp.
Regeneration: Seedlings>30cm and 1.3 m height		

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Forest Condition-Approximate density of seed trees		
High <input type="checkbox"/>	Moderate <input checked="" type="checkbox"/>	Low <input type="checkbox"/>
>50 seed trees per Ha	10-50 Seed trees per ha	<10 seed trees per ha

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

Block I: Catchment Condition		
Catchment Condition –Soil cover		Soil cover class
>50% of the soil are covered by vegetation		High <input checked="" type="checkbox"/>
25-50% of the soil are covered by vegetation		Moderate <input type="checkbox"/>
<25% of the soil are covered by vegetation		Low <input type="checkbox"/>
Catchment condition- soil type and erosivity		
Soil type (color, texture, and type)		
Erosive <input type="checkbox"/> Disperse and/or break up in water easily		Non erosive <input checked="" type="checkbox"/> Stable in water
Catchment condition slope		
Slope degree	Slope steepness class	
<10	Gentle <input type="checkbox"/>	
10-30	Moderate <input checked="" type="checkbox"/>	
>30	Steep <input type="checkbox"/>	
Block I: Catchment condition –summary		
Less critical <input type="checkbox"/>	Moderately critical <input checked="" type="checkbox"/>	Highly critical <input type="checkbox"/>

Block I: Fauna (list any animal or bird's species)	
Local Name/Common name	Scientific name/common name

Tshochen Khatey Gakiling Community Forest Management Plan (2022-2023)

Mammals	
Sambar Deer/ (Shaw(sh)	<i>Rusa unicolor</i>
Barking Deer/ Gasha(sh)	<i>Muntiacus muntjac</i>
Elephant/ Mem Langpochey(sh)	<i>Elephas maximus</i>
Wild boar/ Borang Fakpa(sh)	<i>Sus scrofa</i>
Dhole/ Borang Khu(sh)	<i>Cuon alpinus</i>
Gaur/ Yoeba(sh)	<i>Bos gaurus</i>
Leopard / Khaila(sh)	<i>Panthera pardus</i>
Birds	
Kalij pheasant / Repkha(sh)	<i>Lophura leucomelanos</i>
Blyth's tragopan	<i>Tragopan blythii</i>
Great Hornbill	<i>Buceros bicornis</i>
White-throated laughingthrush	<i>Pterorhinus albogularis</i>

Block I: Biotic pressures (Tick those present)			
Fire	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Grazing	Heavy <input checked="" type="checkbox"/>	Limited <input type="checkbox"/>	Absent <input type="checkbox"/>
Fodder collection	Common <input checked="" type="checkbox"/>	Limited <input type="checkbox"/>	Absent <input type="checkbox"/>
NWFP collection	Common <input type="checkbox"/>	Limited <input checked="" type="checkbox"/>	Absent <input type="checkbox"/>
Leaf litter collection	Common <input type="checkbox"/>	Limited <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Encroachment	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Pole harvesting	Common <input type="checkbox"/>	Occasional <input checked="" type="checkbox"/>	Absent <input type="checkbox"/>
Fuel wood harvesting	Common <input checked="" type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input type="checkbox"/>
Haunting	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent <input checked="" type="checkbox"/>
Others	Common <input type="checkbox"/>	Occasional <input checked="" type="checkbox"/>	Absent <input type="checkbox"/>

Block I: Potential Management Options	
1	Fuel wood harvesting
2	Income generation through NWFP
3	Pole harvesting
4	Timber harvesting

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

6	Thinning
7	Cleaning and weeding
8	Mother tree selection and open shade for regeneration

2.5. AAC (Annual Allowable Cut) of the block in m³

Tree type	Dangchung (m ³)	Tsim(m ³)	Cham (m ³)	Drashing(m ³)	Remarks
Timber(T)	0.21	0.91	2.48	76.99	
Non-timber(N)	1.81	6.64	11.89	39.60	
AAC (Annual Allowable Cut) of the block in Numbers of trees					
Timber(T)	2	3	3	17	
Non-timber(N)	20	22	17	15	

2.6. NWFP

During resource assessment survey, NWFPs such as *Thysanolaena latifolia*, Bamboo and mushrooms were recorded sparsely distributed in CF area. Therefore, the NWFP assessment survey was neglected as there is no potential for commercial harvesting. CFMG members collect those NWFPs in small quantity for their self-consumption and domestic use mostly.

2.7. Demand assessment for forest produce in numbers

Produce	Annual Requirement	No. of HH that require produce annually	Total requirement of produce annually	Total requirement of produce in 10 years
For New construction				
Drashing	9	1	9	90
For Renovation/Extension				
Drashing	3	1	3	30
Other Forest Produce				
Fencing post	50nos.	15	750nos	7500nos
Firewood	3	15	45	450
Bamboo	100	1	100	1000

2.8. Summary of forest produce demand assessment

Produce	Annual household requirement (Estimated)	Number of households using the produce
Drashing	12	2
Fencing posts	750	15
Firewood	45	15
Bamboo	100	1

2.9. Comparison of AAC and Demand

Produce	Total AAC (Nos of trees)	Total Annual demand (No.of trees)	Difference (No.of trees)	Comments
Drashing	17	12	4	Sufficient
Firewood	54	45	9	Sufficient
Fencing posts	42	750		Insufficient

2.10. Forest Product Preference Ranking Matrix

2.11. Forest Management Matrix

	Timber	F/wood	F/post	Bamboo	Fodder	Fern	Mushroom	Stone	Dambaru	Water
Timber	X									
F/wood	Timber	X								
F/Post	Timber	F/wood	X							
Bamboo	Timber	F/wood	F/post	X						
Fodder	Timber	F/wood	F/post	Fodder	X					
Fern	Timber	F/wood	F/post	Bamboo	Fodder	X				
Mush room	Timber	F/wood	F/post	Bamboo	Fodder	Fern	X			
Stone	Timber	F/wood	Stone	Stone	Stone	Stone	Stone	X		
Dambaru	Timber	F/wood	F/post	Bamboo	Fodder	Fern	Dambaru	Stone	X	
Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	X

Result: 1stWater: 9, 2nd Timber: 8, 3rd Firewood: 7, 4thStone: 6, 5thFencing posts: 5, 6thfodder:4, 7th Bamboo: 3, 8th Fern: 2, 9thDambaru: 1, Mushroom: 0

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Management procedures: Whole Block				
Produce/services	Drashing	Firewood	NFWP	
Main species	<i>Beilschmiedia</i> sp. <i>Michelia</i> sp. <i>Exbucklandia populnea</i> , <i>Lithocarpus</i> sp. and <i>Toona ciliata</i>	<i>Beilschmiedia</i> sp. <i>Castanopsis</i> sp.	Mushroom, Rubia, Damroo & Fern	Bamboo
Problems	i. Less regeneration ii. Wildlife elephant damages to plantation	i. Inaccessible of road connection for extraction of firewood.	Found only in small quantity in small pocket of an area	Found only in small quantity and damaged by an Elephant and Sambar.
Opportunities	i. Assist natural regeneration and plantation. ii. Income generation through sale of surplus timber	ii. Surplus firewood stocks while clearing site for plantations	Good market scope for commercialization	
Management objectives	i. Sustainable harvesting of timber ii. Restocking of timber through afforestation and reforestation programs iii. To improve regeneration by removal of undergrowth	i. Sustainable harvesting of timber	i. Income generation through NWFPs	
Activities to achieve the objectives	i. Retain seed trees(H) ii. Removal of vines trees and climber to improve forest condition(H) iii. Conduct timely patrolling(M)	i. Find buyers in the local market and sell the unsound trees as firewood and woodchips(M)	i. Avoid over harvesting(M) ii. Management of NWFPs(H)	

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

	<ul style="list-style-type: none"> v. Plantation with desired timber species(H) v. Sustainable harvesting of timber based on AAC(H). vi. Avoid harvesting in protection zones(M) ii. Thinning (M) 		
Procedure	<ul style="list-style-type: none"> i. Harvest timber as per AAC ii. Executive members should plan to execute the activities reflected in management plan. iii. CFMG members should contribute labor force to carry out plantation, cleaning, thinning, and weeding activities. iv. Control free grazing. v. Seek fund from relevant agency or gewog administration. 	<ul style="list-style-type: none"> i. Extract firewood as per the AAC ii. Firewood can be also supplied during site cleaning for plantation activities 	<ul style="list-style-type: none"> i. CFMG member should conduct regular patrolling to minimized illegal collection. ii. Plantation of bamboo and broom grass
Responsibilities	CFMG, concerned forest office.		

2.12. Participatory environment assessment

Participatory Environmental Assessment Chart		
	Potential Environmental Effects	Potential Socio-Economic Effects

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Activity proposed in CFMP	Soil	Water	Wild animals	Plants	Traditional forest use	Cultural/religious values	Local employment	Local benefits from forest produce
Removal of unsound trees and site clearing for plantation	---	---	--	---	0	0	+	++
Plantation of bamboo, soft broom and trees	+++	+++	++	+++	+++	0	+++	+++
Climber cutting and cleaning	+	-	+	+++	0	0	+++	--
Patrolling	+	+	+++	+++	+++	0	0	+++
Harvesting of timber	--	---	--	--	+++	0	+++	+++
Grazing	-	-	0	-	0	0	0	0

+++ Positive effects

--- Negative effects

0 No effects

2.13. Address potential negative effects

Activities	Procedure
Removal of unsound trees and site clearing	Once site clearing and unwanted trees are removed, reforestation will be done. For better success, only small area shall be cleared and do plantation
Harvesting	Harvesting will be done as per AAC, timber will be distributed according to priority need. No marking and felling will be done on steep slope and protection zone.
Thinning and climber cutting	Thinning and cleaning will be done only in small area on priority basis. Besides, concern forest staff will also provide technical support to CFMG in thinning

2.14. Monitoring Plans (Forest Resources Monitoring Plan, Social & institutional monitoring plan)

CF management will be monitored every year by forestry staffs in addition to monitoring by CFMG members. During the monitoring, implementation of activities in accordance to the management plan will be assessed.

2.14.1. Participatory Forest Resource Monitoring				
Activity	Indicator	How it will be monitored	Responsibility	Comments
Establishment of plantation in barren/degraded CF area including bamboo and soft broom	Status of planted seedling surviving in the field	Physically visit to plantation site and monitoring seedling survival.	Community Forest Management Group	Technical support to be sought from concerned forest office whenever it is required
Patrolling within CF area to reduce illegal activities	Records on number of patrolling done and offence detected	Refer CF patrol record book maintained	CF Executive members will maintain record	
Harvesting of timber	Regeneration growth and condition of forest.	CF timber harvesting record	CF committee members	
Thinning and climber cutting	Status of forest condition in the field	Physical verification of forest condition	CF committee members and all other members	
Sale of excess timber and NWFP	Sale record book and bank balance	Cross check record keeping	CF management committee	

2.14.2. Social & institutional monitoring plan

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Activity	Indicator	How it will be monitored	Responsibility	Comments
Providing loan to CFMG member	Number of households provided with loans.	Refer record in loan book	CFMG with park staff's facilitation	
CF Management Committee Members meeting	No. of meeting and minutes of meeting	Forestry 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 to be monitored during annual monitoring	CFMG with park staff's facilitation	Collect the name of participants during every meeting
Resource allocation based on equity	Refer forest utilization record book	Refer record keeping book	CF management committee	

2.15. Climate hazard and vulnerability assessment

	Land slide	Drought	Forest fire	Animal disease	Reduced crop yields
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Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Landslide	X	Landslide	landslide	landslide	landslide
Drought		X	Drought	Drought	Reduced crop yields
Forest fire			X	Animal disease	Reduce crop yields
Animal disease				X	Animal disease
Reduced crop yields					X

2.16. Work Plan

Activity	Jan-March	April- June	July-Sept	Oct- Dec
Timber application				
Permit issuance, marking and felling				
Permit validity	As per FNCRR 2017 and ammendement there after			
Firewood marking				
Patrolling	Once	Once	Once	Once
Site clearing for plantation				
Plantation (Minimum 0.50acres annually)				
Bamboo Plantation (1 culm each by all members annually)				
Soft broom Plantation (2buddles per person)				
Weeding, cleaning, and refilling in plantation area	2 times for first 3 years and after that twice. Timing for this activities will be decided by Management Committee members depending on on field situation and conveniences.(April and October)			
Enhancement of regeneration	Clearing of undergrowth bushes for trial(1day, 1 st year) and retainion of mother trees			

3. PART B: By Laws

3.1. Membership arrangement

- a) The membership is defined by the appropriate Gung number and Thram number of Tshotsalu village.
- b) To become new member of the CF, applicant should have officially registered their census and thram at Tshotsalu village under Martsalla gewog.
- c) Interested member should bear expenditure incurred till date for the development of CF i.e. Total accumulated money divided by number of member. Besides, he/she should be also liable to pay compensation for number of working days carried out during the implementation of annual work plan.
- d) Members leaving for resettlement shall be eligible for benefits accumulated till the time of his/her leaving.
- e) Any members resigning from CFMG without having personal interest shall not be eligible for any benefits accumulated till date and he/ she should not be allowed to rejoin back.
- f) Besides, those who availed the benefits and resigned shall be liable to pay fine Nu. 5000. And he/she must not be allowed to rejoin again in CFMG later.
- g) CFMG member who is disabled will be exempted from any kind of CF management works and annual fee contribution. They will also get same benefits as other members.
- h) New Gung separated from the old CFMG membership shall be allowed to join as new member after payment of entry fee. **Nu. 500.00**

3.2. Management Committee Formation

- a) He/ she should be CFMG member.
- b) Should be able to be trusted by CFMG members.
- c) Should be literate to maintain proper record in financial as well as planned activities.
- d) Should have good communication skills.
- e) Should have good relationship with other CFMG members

3.3. Terms of reference for CFMG management committee

- a) Achieve the objectives for establishment of community forest.

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- b) Coordinate and implement the plan activities included in management plan.
- c) Review and prepare annual work plan on time.
- d) Collect annual membership fee on time.
- e) Settle conflicts and dispute within CFMG.
- f) To conduct CFGM meeting.
- g) Enforce penalties to offender.
- h) Make decision on expenditure of CF development activities.

3.4. Lists of CFMG committee members

Sl.No	Name	Designation	Remarks
1	Jigme Phuntsho	Chairperson	77802548
2	Sonam Dorji	Secretary	17708708
3	Thinley Chedup	Treasurer /accountant	17316715
4	Karchung	Committee member	17755628
5	Samten Dorji	Committee member	17737767/77737767
6	Jamtsho	Committee member	77437806
7	Tenzin Jamtsho	Committee member	77605622

3.5. Tenure and compensation for Committee members

The committee members viz. Chairman, Secretary, and Treasurer and representative 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 along with revision of new management plan. However, if any of the committee members does not perform duties as required, he/she will be expelled by CFMG before completion of his/her tenure.

Nu. 300.00 shall be collected as a membership fee from CFMG members in first month of every year. **Nu.200** from CFMG shall be paid to executive members as compensation for their roles as an executive members and **Nu. 100** each shall be deposited into CF bank account.

3.6. TOR of Chairperson

- a) Head of the CFMG

- b) Calls meeting whenever necessary and informs concerned persons about date, time, place, and the reasons for meeting.
- c) 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.
- d) Approve applications for forest products (with Secretary).
- e) Countersign financial transaction and authorization to draw cash from the bank account (with Treasurer).

3.7. TOR of Secretary

- a) Assist the Chairperson and officiate him/her during his/her/ absence.
- b) Manage the correspondence (writing of letters and minutes of meetings) for the CFMG.
- c) Maintain the files of the CFMG.
- d) Maintain the list of CFMG members.
- e) Approve applications for forest products (with Chairperson)
- f) Keep minutes of the CFMG meetings.
- g) Prepare Annual Progress Report (with other CF Management Committee members)

3.8. Roles and responsibility of CFMG

- a) To follow the procedures and rules of the CFMG as outlined in the CFMP and bylaws.
- b) Participate in CFMG planning and decision making.
- c) Election of CF Management Committee members.
- d) Participation in drafting of the CF management plan and CFMG bylaws.
- e) Participate in the CFMG meetings.
- f) Cooperation with the CF Management Committee in carrying forest management and other management operations especially by contributing labour whenever required.
- g) Become involved in other CFMG activities as planned.

3.9. TOR of Treasurer/ Accountant

- a) Looks after any financial transactions on behalf of the CFMG.
- b) Keep records of expenditure and labour contribution during CF activities
- c) 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)

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- d) Prepare the Annual Financial Report for the CFO (with assistance of other CF Management Committee members)
- e) Countersigns financial transaction and authorisation to draw cash from the bank account (with Chairperson)
- f) Collect fees, royalty, penalties, others and maintain record accordingly.
- g) Issue money receipts

3.10. Permit Fees

Sl/No	Products	Royalty. Permit fee (Nu) for members
1	Drashing	Nu. 50 per tree
2	Firewood	Nu. 20 per tree
3	Fencing post	Nu. 5 per post
4	Bamboo	Nu. 1 per piece
5	Stone	Nu. 50/Truck load
6	NWFP(s)(Rubia)	Nu. Based on market price.

3.11. Fines and Penalties

Offense type	Fine and penalties
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Absentee in meeting and CF management work	Nu.200/-occasion for absentee during meeting. Nu. 300 per day/occasion.
Any illegal activities in CF area	Any offence related to natural resources and biodiversity within CF area shall be reported to concerned forest office and it will be dealt as per the existing forest and nature conservation act and rules. Fines collected shall be deposited into CFMG account.
Grazing in Plantation area	Free grazing in CF is restricted. Grazing in plantation is strictly prohibited. Fine for sapling damaged: Nu. 50.00
Collection of <i>Rubia cordifolia</i> from CF	Not permitted to collect NWFP freely for individual benefit. Product Shall be seized and auction by CFMG.

3.12. CFMG Fund management

1. The management committee shall continue saving money in the existing bank account of CFMG.
2. The account shall be operated under the joint signatory of the CF Chairperson and the Treasurer (accountant) and maintain proper book of accounts.
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 over Nu. 5,000 (five thousand only) should be deposited to CF account. Failure to deposit on time, the Treasurer shall be liable to pay the interest rate and deposit in the CF account.
6. All money received and paid should be recorded in the Cash Book by the Treasurer.
7. The Treasurer collects all contributions, fees, fines, donations and maintains 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.

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11. The Treasurer shall maintain all detailed 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.

3.13. Scope of fund utilization

The CFMG shall discuss and decide on fund utilization during the meeting. The following 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	Fund Limit (%)
CF development activities (CF review, nursery creation, plantation, thinning, cleaning, salvage operation, sanitation, boundary demarcation, fire line creation, etc.)	Not more 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

3.14. CFMG Fund for Loans and its Procedure

As per the CF manual 2018, CFMG can allot not more than 50% of total fund for loan. The borrower shall submit an application as per annexure 9 and CF executive member should sign the agreement and payment schedule will be drawn using agreement form (annex 10 of CF manual 2018).

3.14.1. Eligibility criteria for loan

1. Loan from CFMG fund will not be given to non CFMG members.
2. The borrower must be of 18 years and above.
3. Only one member from the household is eligible for loan at a time.
4. Should not have any outstanding loan in the CFMG.
5. The borrower should have his/her census in a household who is a member of the CF.
6. Need of mortgage or guarantor shall be decided by the CFMG.

3.14.2. Loan interest Rate

Loan will be provided to the CFMG members at the following interest rates:

- i. CFMG shall decide on interest rate based on local money lending rules prevailing in their community during general meeting. However, the interest rate should not exceed 15 % per annum in accordance with Section 17 (1) of the Movable and Immovable Property Act of Bhutan 1999.

3.14.3. Loan term

The CFMG will decide the loan term depending on capability and situations of the borrower, however, loan term shall not exceed more than 5years. Besides, all the loans and other dues should be cleared or collected before an expiry of the CFMP.

3.14.4. Repayment schedule and process

The borrower should pay the principal amount including the interest on installment basis monthly, annually or upon completion of loan term. The treasurer should maintain proper records of all the financial transactions and present to CFMG members during meeting.

3.14.5. Penalties

The community forest management committee member shall decide penalties in case of non repayment of the loan base on their local money lending rules while signing agreement (annexure 10) before disbursement of loan.

If the borrower has serious financial trouble but assures the CF Management Committee that the loan will be repaid, the CF Management Committee can exceptionally decide to reschedule the loan after an evaluation of the repayment problems. However, the CF Management Committee shall ensure that the borrower repays the loan on a reframed time schedule.

3.14.6. Mortgage and Guarantor

In case they decide to have a mortgage, the minimum mortgage value shall be 150% of the loan amount. Mortgage value shall be assessed by the CF Management Committee prior to loan approval as follows:

1. Detailed description of the collateralized goods.
2. Valuation of the goods based on their market value.
3. Collateral agreement signed during the loan request.
4. The applicant shall produce “No Objection Certificate” from household members in the event of mortgaging the collateral.

3.14.7. Allowable collateral

1. House, buildings, and land with legal property documents.
2. Cars, vehicles with the official government certificate of the property.
3. Livestock (Cattle/horses/pigs).
4. Poultry/dairy farms.
5. Agriculture machinery (power tiller, rice mill, etc., decided by the CFMG).

3.14.8. Loan Approval and Disbursement Process

Upon fulfilling the eligibility criteria, the CFMG shall approve the loan based on consensus or with 2/3rd majority. The borrower and the lender shall sign the loan agreement before the loan disbursement. The loan agreement is prepared in two copies, one for the CF Management Committee and one for the borrower. The CF Management Committee shall withdraw/transfer the amount from their respective bank account and disburse to the borrower.

3.14.9. Loan Review

At the end of each year, the CF Management Committee shall review all the loans and repayments. The information shall be shared during the CFMG general meetings/assemblies.

3.15. Meeting

The CFMG will conduct following meeting.

- General meeting
- Executive committee meeting

3.15.1. General Meeting

The CFMG will conduct a meeting once a year. Executive member shall decide meeting date and venue. The meeting points could be financial matters, presentation of physical progress in the field, preparing a 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.

3.15.2. Management Committee Meeting

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

3.16. Conflict Management

Any conflict that arises among the CFMG members, the management committee members will try to resolve it within the CF management system firsthand. If the committee members are unable to solve, it shall be forwarded to the concerned Gewog administration or Forest Range Office. Further if it remains unsolved, it shall be forwarded to the CFO office and then to the Royal Court of Justice.

3.17. Amendment of Community forest management Plan and By-laws

The management plan shall be revised completely as a new one on 10th year after carrying out review of the implementation the existing plan. Besides that, mid-term review of the CF Management Plan shall be carried out on 5th year of the plan period. 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 to 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 the plan. In case, any changes required in the management plan and by laws before expiry of current management plan, amendments could be restructured/revised, upon approval. Proposal should be submitted to Chief Forestry Officer's office through concerned Range Office and Chief Forestry Officer shall submit proposal to Forest Resource Planning and Management Division, Thimphu for necessarily follow up and approval from the Department

3.18. Power of the Department

The Department shall suspend the rights and privileges of community forest management 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 FNCR of Bhutan 2020

Tshochen Khatey Gakiling Community Forest Management Plan (2022-2023)

Annexure I: Data compilation sheets

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
CF Name		Tshochen Khatey Gakiling CF			Block Area		78.48 Ha	
Block Name		1			Compiling date		02.05.2022	
No of plots		66			Species group		Other(N)	
<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10_19	0.017	0.0885	0.05	0.303	108	32.73	0.56	2.90
20_29	0.047	0.311	0.05	0.303	117	35.45	1.67	11.03
30_39	0.093	0.7195	0.05	0.303	87	26.36	2.45	18.97
40-49	0.156	1.352	0.05	0.303	33	10.00	1.56	13.52
50-59	0.233	2.24	0.05	0.303	18	5.45	1.27	12.22
60-69	0.327	3.4115	0.05	0.303	10	3.03	0.99	10.34
70-79	0.436	4.892	0.05	0.303	4	1.21	0.53	5.93

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
CF Name		Tshochen Khatey CF			Block Area		78.48 Ha	
Block Name		1			Compiling date		25.11.2022	
No of plots		66			Species group		<i>Cinnamomum sp.(N)</i>	
<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10_19	0.017	0.0655	0.05	0.303	1	0.30	0.01	0.02
20_29	0.047	0.2635	0.05	0.303	0	0.00	0.00	0.00
30_39	0.093	0.67	0.05	0.303	2	0.61	0.06	0.41
40-49	0.156	1.352	0.05	0.303	1	0.30	0.05	0.41

Tshochen Khatay Gakiling Community Forest Management Plan (2022-2023)

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)								
CF Name		Tshochen Khatay CF			Block Area		78.48 Ha	
Block Name					Compiling date		25.11.2022	
No of plots					66	Species group		<i>Beilschmiedia sp.(N)</i>
<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10_19	0.017	0.0855	0.05	0.303	10	3.03	0.05	0.26
20_29	0.047	0.305	0.05	0.303	7	2.12	0.10	0.65
30_39	0.093	0.714	0.05	0.303	7	2.12	0.20	1.51
40-49	0.156	0.8515	0.05	0.303	3	0.91	0.14	0.77
50-59	0.233	2.2525	0.05	0.303	8	2.42	0.56	5.46
60-69	0.327	3.4485	0.05	0.303	1	0.30	0.10	1.05
70-79	0.436	4.9675	0.05	0.303	3	0.91	0.40	4.52
80-89	0.561	6.837	0.05	0.303	4	1.21	0.68	8.29
90-99	0.701	9.081	0.05	0.303	0	0.00	0.00	0.00
100-109	0.858	11.726	0.05	0.303	2	0.61	0.52	7.11

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)

Tshochen Khatey Gakiling Community Forest Management Plan (2022-2023)

CF Name		Tshochen Khatey Gakiling CF			Block Area		78.48 Ha	
Block Name					Compiling date		24.11.2022	
No of plots		66			Species group		Other(T)	
<i>col1</i>	<i>col2</i>	<i>col3</i>	<i>col4</i>	<i>col5</i>	<i>col6</i>	<i>col7</i>	<i>col8</i>	<i>col9</i>
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10_19	0.017	0.0885	0.05	0.303	12	3.64	0.06	0.32
20_29	0.047	0.311	0.05	0.303	16	4.85	0.23	1.51
30_39	0.093	0.7195	0.05	0.303	20	6.06	0.56	4.36
40-49	0.156	1.352	0.05	0.303	19	5.76	0.90	7.78
50-59	0.233	2.24	0.05	0.303	17	5.15	1.20	11.54
60-69	0.327	3.4115	0.05	0.303	10	3.03	0.99	10.34
70-79	0.436	4.892	0.05	0.303	11	3.33	1.45	16.31
80-89	0.561	6.7075	0.05	0.303	6	1.82	1.02	12.20
90-99	0.701	8.879	0.05	0.303	5	1.52	1.06	13.45
100-109	0.858	11.4295	0.05	0.303	9	2.73	2.34	31.17

OPERATIONAL INVENTORY: COMPILATION SHEET (FIXED-SIZE PLOT)

Tshochen Khatey Gakiling Community Forest Management Plan (2022-2023)

CF Name		Tshochen Khatey CF			Block Area		78.48 Ha	
Block Name					Compiling date		25.11.2022	
No of plots					66	Species group		Michelia sp (T)
col1	col2	col3	col4	col5	col6	col7	col8	col9
dbh class (cm)	class basal area (m2)	class volume (m3)	plot size (ha)	expansion factor	tally	nrha (stems/ha)	basha (m2/ha)	volha (m3/ha)
10_19	0.017	0.086	0.05	0.303	2	0.61	0.01	0.05
20_29	0.047	0.297	0.05	0.303	1	0.30	0.01	0.09
30_39	0.093	0.6775	0.05	0.303		0.00	0.00	0.00
40-49	0.156	1.2585	0.05	0.303	3	0.91	0.14	1.14
50-59	0.233	2.065	0.05	0.303		0.00	0.00	0.00
60-69	0.327	3.121	0.05	0.303	2	0.61	0.20	1.89
70-79	0.436	4.4465	0.05	0.303	5	1.52	0.66	6.74
80-89	0.561	6.061	0.05	0.303	3	0.91	0.51	5.51
90-99	0.701	7.983	0.05	0.303	2	0.61	0.42	4.84
100-109	0.858	10.227	0.05	0.303	4	1.21	1.04	12.40

Annexure: II Coordinates of sample plots

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Plot No		Latitude		Longitude													Plot No		Latitude		Longitude	
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			%					
1		26.981858		91.778143						34		26.977633		91.773293								
2		26.981846		91.77910						35		26.977621		91.77425								
3		26.98100		91.77813						36		26.977609		91.775206								
4		26.980989		91.779086						37		26.977597		91.776163								
5		26.98018		91.775247						38		26.977585		91.777119								
6		26.980168		91.77620						39		26.977573		91.778076								
7		26.980156		91.77716						40		26.976836		91.768497								
8		26.980144		91.778116						41		26.976824		91.769454								
9		26.980132		91.779073						42		26.976812		91.77041								
10		26.979359		91.772364						43		26.9768		91.771367								
11		26.979347		91.77332						44		26.976788		91.772323								
12		26.979335		91.774277						45		26.976776		91.77328								
13		26.979323		91.775233						46		26.976015		91.765615								
14		26.979311		91.77619						47		26.976003		91.766571								
15		26.97930		91.777146						48		26.975991		91.767528								
16		26.979287		91.778103						49		26.975979		91.768484								
17		26.979275		91.779059						50		26.975955		91.770397								
18		26.978526		91.770437						51		26.975931		91.77231								
19		26.978514		91.771394						52		26.975182		91.763688								
20		26.97850		91.77235						53		26.97517		91.764645								
21		26.97849		91.773307						54		26.975158		91.765601								
22		26.978478		91.774263						55		26.975146		91.766558								
23		26.978466		91.77522						56		26.975134		91.767514								
24		26.978454		91.776176						57		26.975122		91.768471								
25		26.978442		91.777133						58		26.974313		91.764631								
26		26.97843		91.778089						59		26.974301		91.765588								
27		26.978418		91.779046						60		26.974289		91.766544								
28		26.977705		91.767554						61		26.974277		91.767501								
29		26.977693		91.768511						62		26.97342		91.767487								
30		26.977681		91.769467						63		26.972599		91.764605								
31		26.977669		91.770424						64		26.972587		91.765561								
32		26.977657		91.77138						65		26.972575		91.766518								
33		26.977645		91.772337						66		26.971718		91.766504								

Average Number of tree per Ha(Non timber)

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Other Broadleaf	32.73	35.45	26.36	10.00	5.45	3.03	1.21						114.24	88.50%
<i>Beilschmiedia sp.</i>	3.03	2.12	2.12	0.91	2.42	0.30	0.91	1.21		0.61			13.64	10.56%
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	%
<i>Cinnamomum sp.</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
total broadleaf	36.06	37.58	29.09	11.21	7.88	3.33	2.12	1.21		0.61			129.09	100.00%
total all species	36.06	37.58	29.09	11.21	7.88	3.33	2.12	1.21		0.61			129.09	100.00%
%	0.28	0.29	0.23	0.09	0.06	0.03	0.02	0.01		0.00			100.00%	

Average Number of Trees per Ha

Average Volume per Ha

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	%
Other Broadleaf	2.90	11.03	18.97	13.52	12.22	10.34	5.93						74.90	71.10%
<i>Beilschmiedia sp.</i>	0.26	0.65	1.51	0.77	5.46	1.05	4.52	8.29		7.11			29.61	28.11%
<i>Cinnamomum sp.</i>	0.02		0.41	0.41									0.84	0.79%
total broadleaf	3.18	11.67	20.89	14.70	17.68	11.38	10.45	8.29		7.11			105.34	100.00%
total all species	3.18	11.67	20.89	14.70	17.68	11.38	10.45	8.29		7.11			105.34	100.00%
%	0.03	0.11	0.20	0.14	0.17	0.11	0.10	0.08		0.07			100.00%	

Average basal area per Ha

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Other Broadleaf	0.56	1.67	2.45	1.56	1.27	0.99	0.53						9.02	75.94%
<i>Beilschmiedia sp</i>	0.05	0.10	0.20	0.14	0.56	0.10	0.40	0.68		0.52			2.75	23.14%
<i>Cinnamomum sp</i>	0.01		0.06	0.05									0.11	0.92%
total broadleaf	0.61	1.77	2.71	1.75	1.84	1.09	0.92	0.68		0.52			11.88	100.00%
total all species	0.61	1.77	2.71	1.75	1.84	1.09	0.92	0.68		0.52			11.88	100.00%
%	0.05	0.15	0.23	0.15	0.15	0.09	0.08	0.06		0.04			100.00%	

Average number of trees per Ha (Timber tree species)

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	%
Other	3.64	4.85	6.06	5.76	5.15	3.03	3.33	1.82	1.52	2.73			37.88	85.03%
<i>Michelia sp.</i>	0.61	0.30		0.91		0.61	1.52	0.91	0.61	1.21			6.67	14.97%
total broadleaf	4.24	5.15	6.06	6.67	5.15	3.64	4.85	2.73	2.12	3.94			44.55	100.00%
total all species	4.24	5.15	6.06	6.67	5.15	3.64	4.85	2.73	2.12	3.94			44.55	100.00%
%	0.10	0.12	0.14	0.15	0.12	0.08	0.11	0.06	0.05	0.09			100.00%	

Average basal area/Ha (m²/Ha) Timber tree species

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	%
Other	0.06	0.23	0.56	0.90	1.20	0.99	1.45	1.02	1.06	2.34			9.82	76.60%
<i>Michelia ssp.</i>	0.01	0.01		0.14		0.20	0.66	0.51	0.42	1.04			3.00	23.40%

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

total broadleaf	0.0 7	0.2 4	0.5 6	1.0 4	1.2 0	1.1 9	2.1 1	1.5 3	1.4 9	3.38			12.82	100.0 0%
total all species	0.0 7	0.2 4	0.5 6	1.0 4	1.2 0	1.1 9	2.1 1	1.5 3	1.4 9	3.38			12.82	100.0 0%
%	0.0 1	0.0 2	0.0 4	0.0 8	0.0 9	0.0 9	0.1 6	0.1 2	0.1 2	0.26			100.0 0%	

Average volume per Ha (m2/ha)(Timber tree species)

Species group	10- 19	20- 29	30- 39	40- 49	50- 59	60- 69	70- 79	80- 89	90- 99	100- 109	110- 119	12 0+	total	%
Other	0.3 2	1.5 1	4.3 6	7.7 8	11. 54	10. 34	16. 31	12. 20	13. 45	31.1 7			108.9 8	76.94 %
Michelias sp	0.0 5	0.0 9		1.1 4		1.8 9	6.7 4	5.5 1	4.8 4	12.4 0			32.66	23.06 %
total broadleaf	0.3 7	1.6 0	4.3 6	8.9 3	11. 54	12. 23	23. 04	17. 71	18. 29	43.5 7			141.6 4	100.0 0%
total all species	0.3 7	1.6 0	4.3 6	8.9 3	11. 54	12. 23	23. 04	17. 71	18. 29	43.5 7			141.6 4	100.0 0%
%	0.0 0	0.0 1	0.0 3	0.0 6	0.0 8	0.0 9	0.1 6	0.1 3	0.1 3	0.31			100.0 0%	

Annexure III: CFMG name list

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,
the Chairman of the Community Forest Management Group of
village(s) consisting ofhouseholds, would like to submit this application
for establishment of Community Forest. (Map attached)

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

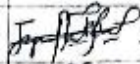
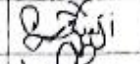
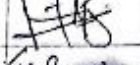


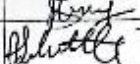
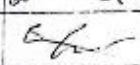
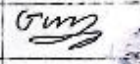
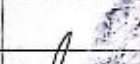


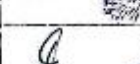

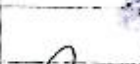
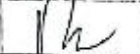


i) Name of the forest:
ii) Boundary description:
N
S
E
W
iii) Estimated area :(ha)
iv) Forest type:

Signature:
Name of the CFMG Chairman:
Date:

FOREST AND NATURE CONSERVATION RULES AND REGULATIONS OF BHUTAN, 2017

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Community Forest Group Members(CFMG)

Sl. No	Name	CID No.	Thram No.	House No.	Signature
1	Jigme Phuntscho	11105004590	268	Na-6-402	
2	Samten Dorji	11105004590	501	Na-6-401	
3	Thinley Chedup	11105004662	1726	Na-6-409	
4	Thukten Dorji	11105004552	356	Na-6-399	
5	Tenzin Jamtsho	11105004607	267	Na-6-404	
6	Yangchen Lhamo	11105004585	268	Na-6-402	
7	Kinga Lethro	11105004635	276	Na-6-407	
8	Sherab Norbu	11105004616	446	Na-6-405	
9	Jamtsho	11105004672	272	Na-6-411	
10	Tashi Wangdi	11105004542	292	Na-6-397	
11	Karchung	11105004739	376	Na-6-416	
12	Tengay Wangdi	11105004622	446	Na-6-406	
13	Maylam Choden	11105004667	655	Na-6-533	
14	Tandin Wangdi	11105004779	270	Na-6-nill/66	
15	Tashi Phuntscho	11105004692	273	Na-6-413	
16	Namgay Wangmo	11105004596	267	Na-6-403	
17	Rabgay	11105004714	722	Na-6-nill/103	

Tshochen Khathey Gakiling Community Forest Management Plan (2022-2023)

Annexure VI (continued)

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

Name and Signature of Gup:

Gewog: Mentselg

Date: 10/11/2022



Signed by: Dringkhag

FOREST AND NATURE CONSERVATION RULES AND REGULATIONS OF BHUTAN, 2017