

MUHUNG COMMUNITY FOREST MANAGEMENT PLAN (1st Revision)



**SHELRI MUHUNG GEWOG
MONGAR : DZONGKHAG**

Plan Period: December 2022 to November 2032

DOFPS/STED/STS/2-2/2022-23/293 DEC 20, 2022

APPROVAL SHEET FOR COMMUNITY FOREST MANAGEMENT PLAN

CF Name

Name of Community Forest	Muhung Community Forest	Muhung CF
Village	Village	Muhung & Shilling
Chiwog	Chiwog	Muhung
Gewog	Gewog	Shelrimuhung
Dzongkhag	Dzongkhag	Mongar
Production area (Hectare/Acre)	333 Hectares	333 ha.
Protection area (Hectare/Acre)	53 Hectares	53 ha.
Total Community Forest Area (Hectare/Acre)	386 Hectares	386 ha.
Total CFMG Member (No. of HH)	83	83 HH

Prepared and Submitted for Approval

	Community Forest Management Group	Forestry Representative (CFMP Facilitator)	Gewog Administration	Social Forestry Section	Divisional Park Office
Signature					
Name	Dorji Wangchuk	Jangchuk Dorji	Dorji	Sonam Chendup	Sirhup Lhendup
Title	Chairperson	Sr. FR II	Gup	Head	Chief Forestry Officer

REVIEWED and RECOMMENDED FOR APPROVAL

Signature		
Name	T. B. R. S. C.	R. J. Hampel
Title	Focal Officer	Chief Forestry Officer
DIVISION	Social Forestry and Extension Division	Social Forestry and Extension Division

APPROVED BY:

Director
Department of Forests & Park Services
Ministry of Agriculture & Forests
DEPARTMENT OF FORESTS AND PARK SERVICES
Thimphu : Bhutan

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I. ACRONYMS

AAC	Annual Allowable Cut
AWP	Annual Work Plan
BL	Broadleaved
CF	Community Forest
CFMC	Community Forest Management Committee
CFMG	Community Forest Management Group
CFMP	Community Forest Management Plan
Cft	Cubic feet/foot
Cm	Centimeter
DBH	Diameter at Breast Height
DoFPS	Department of Forest and Park Services
Ha	Hectare
HHs	Households
Km	Kilometer
M3	Cubic meter
Nu	Ngultrum
NWFPs	Non-Wood Forest Produces
RGoB	Royal Government of Bhutan
FNCRR, 2017	Forest and Nature Conservation Rules and Regulations, 2017

II. GLOSSARY

Cham	Beam/rafter (tree with size of DBH 30 – 39 cm)
Chiwog	Sub-block
Dangchung	Poles (tree with size of DBH 10 – 19 cm)
Drashing	Tree size above 40 cm DBH
Gewog	Block
Tsim	Roof strut (tree size of 20 – 29 cm DBH)

III. EXECUTIVE SUMMARY

The Muhung community forest (CF) falls under Muhung chiwog of Shelrimuhung Gewog comprising of Muhung and Shilling villages. It is one of the largest chiwog and located at 14 km away from the Gewog center. The people here mainly depend on agriculture, livestock and forestry for their livelihood. Majority of the villager grow potato as main cash crop for income generation followed by other cereal crop and varieties of vegetables in large scale. In term of modern technologies and basic amenities, the community is connected with electricity, mobile network both T-Cell and B-mobile with 100 percent coverage. Community also connected with GSB road network which plays important factor for marketing of vegetable to nearest town. *Sharchop* is commonly spoken language with few households who also speak both *Kurtoep* and *Sharchop*. The current CF management plan (2012-2022) was established in 2012 with total area of 258 hectares with 69 households as Community Forest Management Group (CFMG) which is scheduled to be expired by July 2022. Based on the positive impact derived from the CF through income generation and other benefit, the member of the community have seek for further revision after inclusion of both broad leaved and Chirpine forest with additional members who have also shown their interest as new member. Initially, 86 households have shown their interest during the consultation meeting with CFMG, however, only 83 households have officially joined as CF member. Within a span of ten years of management plan period, the CFMG have generated sum of **Nu. 2, 26,293.62** as of December 2021 besides easily access to forest resources through participatory resource management. The new revision of CF consists of both broadleaved and Chirpine forest with total area of 376 hectare with following objectives.

1. Easy accessibility and sustainable utilization of forest resources
2. Prevent forest degradation from forest fire and illegal collection of forest resources
3. Income generation

With the increase in demand for forest resources particularly timbers for new house construction, the community felt it necessary to protect forest resources through sustainable utilization of resources. Therefore, 386 hectares of State Reserved Forest Land (SRF) including previous CF area was designated and demarcated in the revised CF management plan for better management through sustainable utilization.

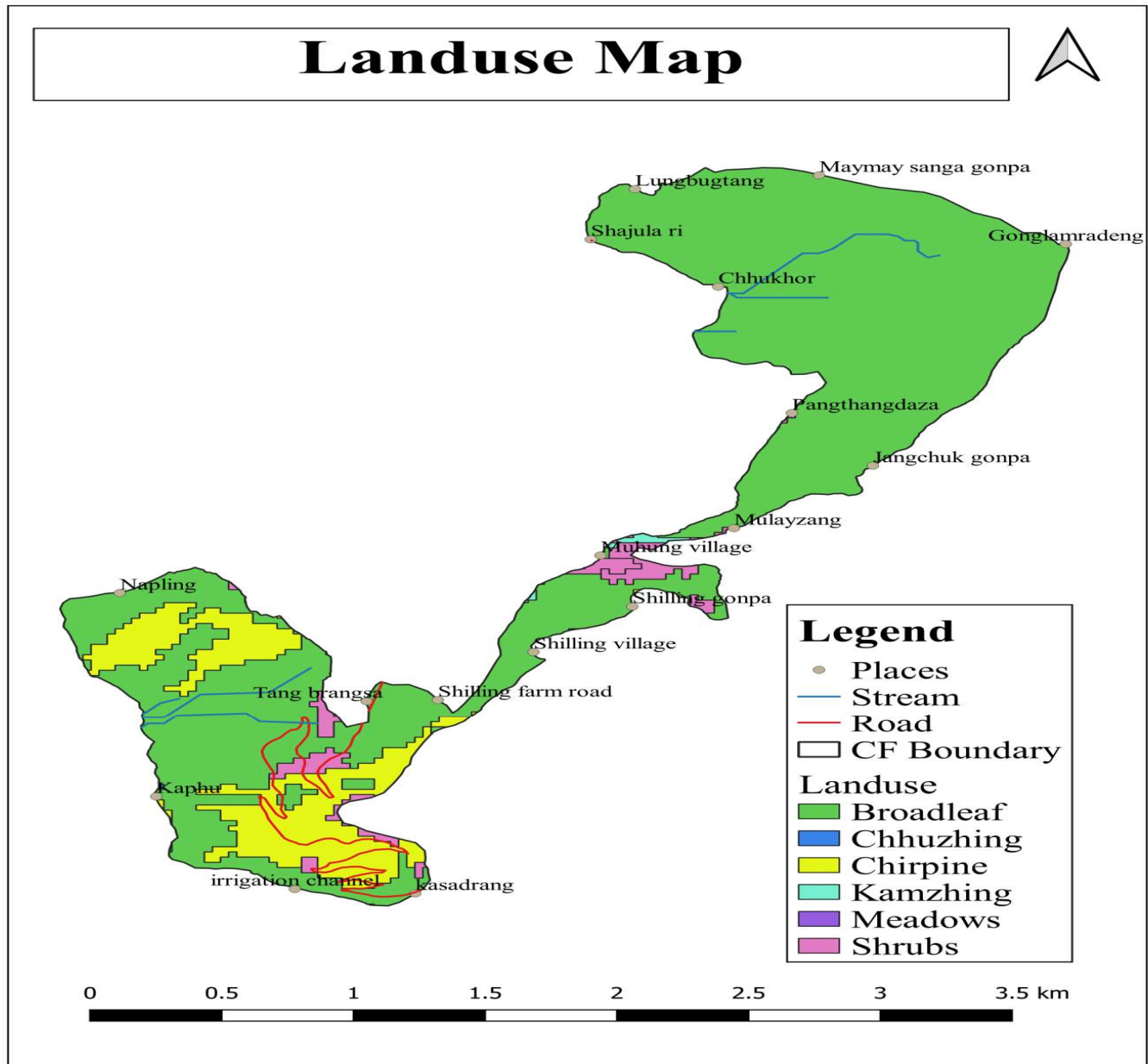
PART A: MANAGEMENT PLAN

IV. INTRODUCTION

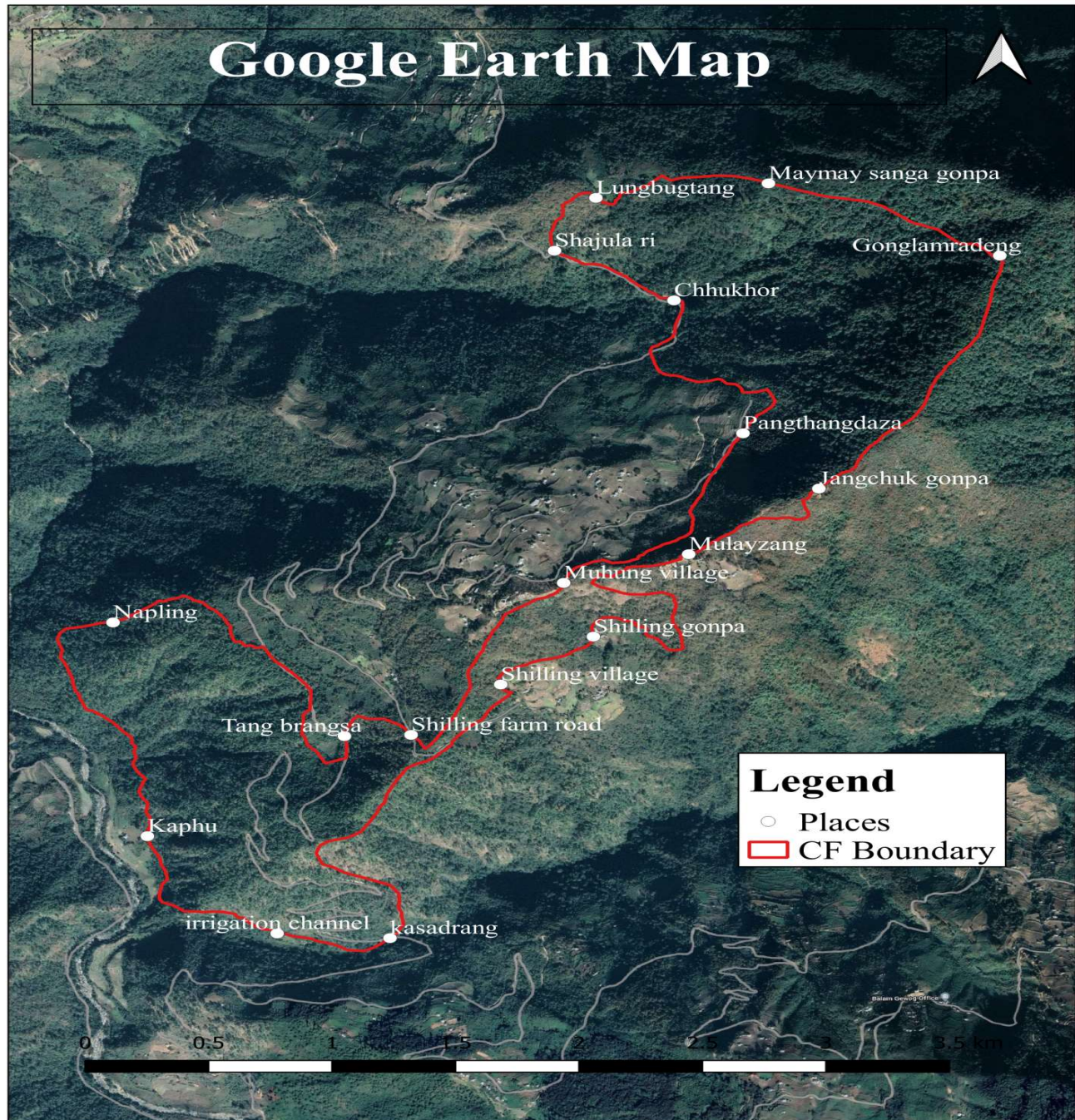
The current CF management plan (2012-2022) established in 2012 with total area of 258 hectares managed by 69 households is scheduled to be expired by July 2022. Accordingly the CFMG member expressed their interest for further revision as per the FNCRR-2017 with inclusion of both chirpine and broadleaved forest in the revise management plan. With increase in demand for forest resources particularly for new house construction and protection of forest resources from illegal collection in other hand, the community member felt necessary for timely revision. Based on the positive impact derived from CF both in terms of income generation and accessibility to forest resources, the households who were left during previous plan period also shown their interest to join as new members. For instance, during the span of ten years of its management plan, CFMG have accumulated total revenue of **Nu. 2, 26,293.62** as of December 2021 in their saving account besides easy accessed to forest resources through participatory forest resource management. A total of 386 hectare of forest consisting 293 ha of broadleaved and 40 ha of chirpine forest excluding non-forest area, stream and road buffer was designated as CF area and shall manage by 83 households of CFMG based on management plan. The total proposed area of CF was calculated based on community forestry manual, 2018 which have provision of maximum ceiling per household is 4 Ha in conifer forest and 5 Ha in broadleaved forest. Based on the feedback of CFMG and rugged terrain which caused inaccessibility for resource collection from the current CF area, only part of the area have included in the revised management plan. Initially 86 households have shown their interest to be the member of Muhung Community Forest and accordingly actual CF area was calculated and carried out the participatory resource assessment. However, during the final consultation meeting and by-laws preparation, 3 households have withdrawn their membership due to personal problems. For the better management of CF through scientific intervention and species composition in demarcated area, the CF area was divided into two blocks namely Samadrang-Kheshingbrangsa which consist of cool broadleaved forest and Bainangwoong-Kasdrang block which is dominated by chirpine forest beside oak sp. NWFPs including sand and boulder also incorporated in the revised CF management plan for the sustainable utilization. During the next ten year, the CFMG shall manage and utilize the forest resources based on the management plan.

V. COMMUNITY FOREST MAP

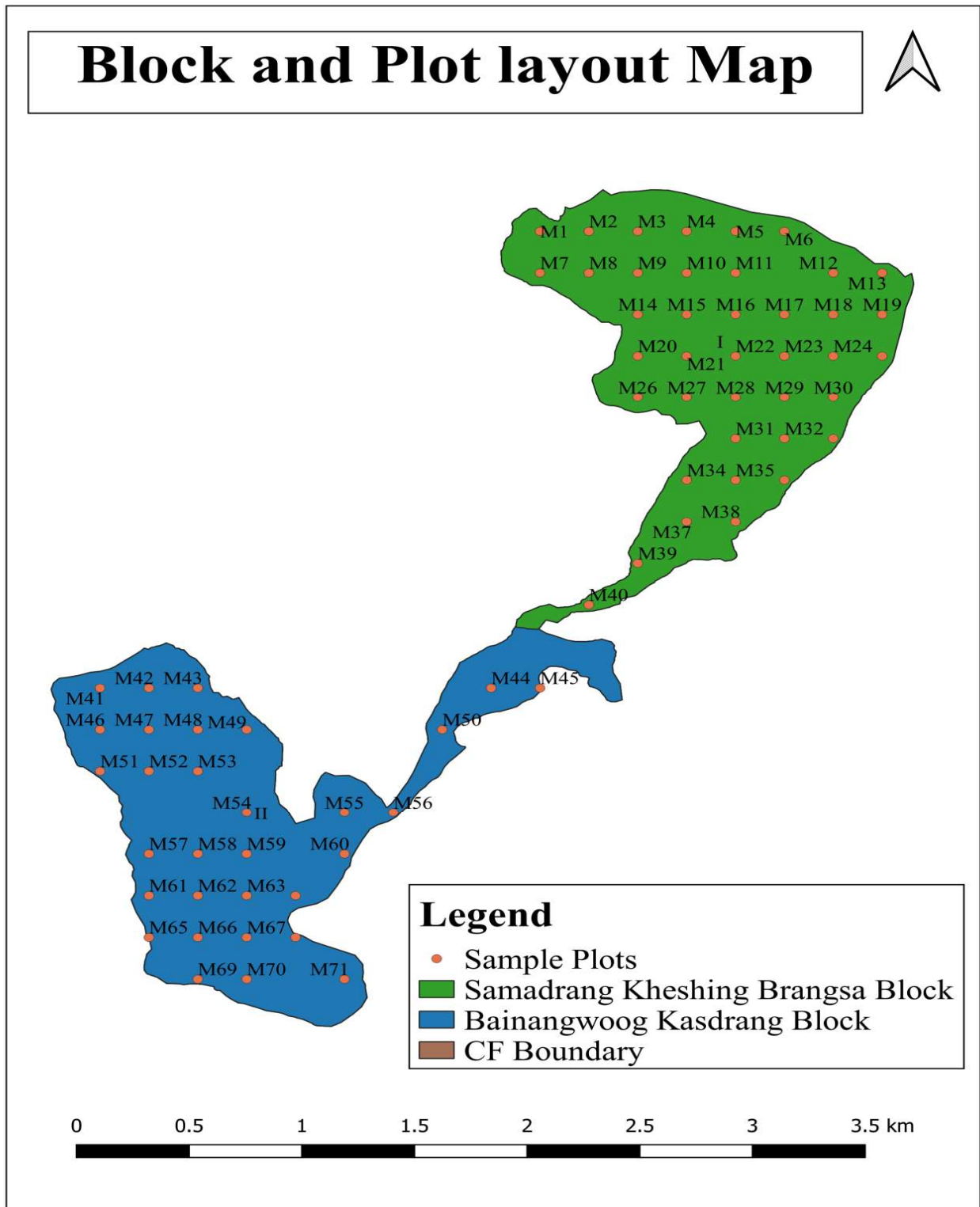
1. Land use map of the CF



2. Google Map of CF



3. Map of CF block



VI. COMMUNITY FOREST BOUNDARIES

1. Community Forest boundary descriptions

Boundaries	Permanent Features
West	Kaphu village
South	Kasdrang stream
East	Shilling village
North	Meme Sangagonpa

VII. SOCIAL INFORMATION

Social Information

	Description
Name of the villages	Muhung and Shilling
Ethnic groups with CFMG	Tshanglakha & kurtoep
Basic amenities	Primary health center, School (ECR), Lhakhang, Electricity, RWSS, GSB road, Mobile network (Both B-mobile & T-Cell)
Total Household (HH) number of CFMG	83
Population of CFMG	896
% male and % female	46% and 54%
Main source of income	Agriculture, Livestock, Forestry (NWFPs) and off-farm activities
Cattle population of the CFMG	308
Main crops	Maize, paddy, potato & chilli
Cropping pattern	Mixed cropping
Any other information	

VIII. FOREST INFORMATION (WHOLE FOREST)

1. History of the forest

Forest resources are one of the most important components which enhance the livelihood of the community mainly to meet various purposes such as timber for house construction, cow shed, fencing post, flag pole, fire wood, wild vegetables, collection of fodder for cattle and leaf litter. Prior to the establishment of CF in 2012, the community of Muhung chiwog seeks approval from the Serzhong Park range which took them a day long journey to avail the forest related services. Gradually after establishment of CF, service became easier as CFMG can collect permit from the executive committee member to utilize the resources sustainably based on the management plan. Moreover resource allocation was regulated in adherence to its approved CF management plan.

With the establishment of CF, illegal collection of forest resources from the outsider and the intensity of forest fire have gradually decreased in the locality.

1A. Samadrang-Kheshingbrangsa block information

Forest Resource Assessment Format(Complete this format for each block)	
Name of Community Forest	Muhung Community Forest
Date of Assessment	12/5/2022
Name of block	Samadrang-Kheshingbrangsa
Block area	200 Ha
Name of recorder	Jangchuk Dorji, Dechen Chodon, Sangay Dorji & Lungten Jamtsho

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

Definitions	
Broadleaf forest	75%ormoreofthetreespeciespresentarehardwoods
Conifer forest	75%ormoreofthetreespeciespresentareconiferous
Mixed forest	All other combination soft tree species
Mature Forest	Vegetation dominated by mature trees(trees>40cmdbh)
Thicket/pole stage	Vegetation>3minheightconsistingofyoungtreesusually <40cmdbh
Shrubs	Non-tree species>2minheight(often thorny and multi-stemmed)
Shrub-land	Vegetation dominated by woody multi-stemmed plants or single stemmed plants and regeneration mostly<3mtall
Grassland	Vegetation dominated by grass species and where only a small part of the area is covered by trees or shrubs.
Crown cover	The percentage of the area covered by the crowns of trees forming the main canopy
Regeneration	Seedlings, saplings and coppice re-growth of naturally occurring trees species that are less than1.3meters tall but greater than 30cm tall
Seed trees	Mature trees with healthy crowns capable of producing flowers and seed

Soil Cover	The percentage of the area with soil surface covered either by live vegetation or a layer of other plant vegetation
Forest Condition (complete if the block is mainly forest)	
Write the names of main tree species	
Local name	Scientific name
Goolishing	<i>Persea</i> sp
Tshaishing	<i>Castanopsis indica</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 (tick main canopy)		
Dense <input type="checkbox"/> Canopy density > 70%	Open <input checked="" type="checkbox"/> Canopy density < 70%	Very open <input type="checkbox"/> No real canopy. Isolated trees only

Forest Condition – Regeneration (including coppice regrowth)		
Abundant <input checked="" type="checkbox"/> Regeneration easy to find in most places	Scattered/few <input type="checkbox"/> Regeneration only in some places and hard to find	None <input type="checkbox"/> No regeneration
Write the names of the 3 main tree species in the regeneration		
1) <i>Castanopsis</i> sp	2) <i>Persea</i> sp	3) <i>Symplocos</i> sp
Regeneration: Seedlings > 30cm and < 1.3m height		

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

Block Condition–Summary				
(Use the forest condition class box below to get an average condition for the block)				
Poor <input type="checkbox"/>	Average <input type="checkbox"/>	Good <input checked="" type="checkbox"/>	Very Good <input type="checkbox"/>	
Does the main forest canopy consist of large, mature trees?			Yes	No <input checked="" type="checkbox"/>
Forest Condition Class Box				
Age	Canopy density	Regeneration	Seed tree class	Condition
Mature forest	Dense	Abundant		Very good
		Scattered/few		Good

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

Open spaces (complete if there are significant open spaces in the block)	
Approximate total open space area (ha)	1.5 Ha
Dominant vegetation type in the open space	<i>Daphne</i> sp, <i>Rhuss</i> sp,
Cause of open space e.g. grazing, fire, harvesting, etc.	Over harvesting, grazing

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

Main fodder species being used (list 3 only)	
Local name	Scientific name
Khambaktangshing	<i>Ficussp</i>
Tongma-lagashing	<i>Brassaiopsishainla</i>

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

Catchment Condition	
(i) Catchment condition – soil cover	
Soil cover	Soil cover class
> 50% of the soils are covered by vegetation	high (✓)
25 - 50% of the soils are covered by vegetation	moderate <input type="checkbox"/>
< 25% of the soils are covered by vegetation	low <input type="checkbox"/>
(ii) Catchment Condition - Soil type and erosivity	
Soil type (colour, texture and type)	

Erosive disperses and/or breaks up in water easily	<input type="checkbox"/>	Non-erosive stable to water flow	(√)
(iii) Catchment Condition - Slope			
Slope (degrees)	Slope steepness class		
<10°	Gentle	<input type="checkbox"/>	
10° – 30°	Moderate	(√)	
> 30°	Steep	<input type="checkbox"/>	
Catchment Condition – Summary			
Less critical	(√)	Moderately critical	()
		Highly critical	<input type="checkbox"/>

Fauna (List any animal or bird species seen or which are known from the block)	
Local Name	Scientific name
Common Leopard	<i>Pantherapardus</i>
Sambar	<i>Cervus unicolor</i>
Wild Pig	<i>Susscrofa</i>
Dhole/ Wild Dog	<i>Cuonalpinusprimaevus</i>
Barking Deer	<i>Muntiacusmutjak</i>
Capped langur	<i>Trychypithecus pileatus</i>
Asiatic black bear	<i>Ursus thibetanus laniger</i>
Porcupine	<i>Hysterix bracyhura</i>

Biotic Pressures (tick those present)			
Fire	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent(√)
Grazing	Heavy(√)	Limited <input type="checkbox"/>	Absent <input type="checkbox"/>
Fodder collection (list main species used)	Common <input type="checkbox"/>	Limited(√)	Absent <input type="checkbox"/>
NWFP collection (list the main products including bamboo & cane)	Common <input type="checkbox"/>	Limited(√)	Absent <input type="checkbox"/>
Leaf litter collection	Common <input type="checkbox"/>	Limited(√)	Absent <input type="checkbox"/>
Encroachment	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent(√)
Pole harvesting	Common(√)	Occasional <input type="checkbox"/>	Absent <input type="checkbox"/>
Fuelwood harvesting	Common(√)	Occasional <input type="checkbox"/>	Absent <input type="checkbox"/>
Timber harvesting	Common <input type="checkbox"/>	Occasional(√)	Absent <input type="checkbox"/>
Hunting	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent (√)

Biotic Pressures (tick those present)	
Others (describe)	

Potential Management Options (list any potential management options for the CF/block)	
1	Sustainable harvesting of tree from the block
2	Create awareness to avoid unnecessary cutting of trees and poles
3	Carry out plantation of desirable tree species in the block
4	Carry out patrolling to curb the illegal collection of timber and wildlife poaching

1B. Bainangwoong-Kasdrang

Forest Resource Assessment Format(Complete this format for each block)	
Name of Community Forest	Muhung Community Forest
Date of Assessment	12/5/2022
Name of block	Bainangwoong-Kasdrang
Block area	186 Ha
Name of recorder	JangchukDorji, DechenChodon, SangayDorji & LungtenJamtsho

Forest & Habitat Type (tick all those present, Refer definition below)					
Forest (√)		Thicket/pole stage <input type="checkbox"/>		Shrubland <input type="checkbox"/>	
Grassland <input type="checkbox"/>		Plantation <input type="checkbox"/>		Other <input type="checkbox"/>	
Vegetation type					
Subtropical forest <input type="checkbox"/>		Chir pine forest (√)		Warm broadleaved forest <input 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"/>

Definitions	
Broadleaf forest	75%ormoreofthetreespeciespresentarehardwoods
Conifer forest	75%ormoreofthetreespeciespresentareconiferous
Mixed forest	All other combination soft tree species
Mature Forest	Vegetation dominated by mature trees (trees>40cmdbh)
Thicket/pole stage	Vegetation>3minheightconsistingofyoungtreesusually <40cmdbh
Shrubs	Non-tree species>2minheight(often thorny and multi-stemmed)
Shrub-land	Vegetation dominated by woody multi-stemmed plants or single stemmed plants and regeneration mostly<3mtall

Grassland	Vegetation dominated by grass species and where only a small part of the area is covered by trees or shrubs.
Crown cover	The percentage of the area covered by the crowns of trees forming the main canopy
Regeneration	Seedlings, saplings and coppice re-growth of naturally occurring tree species that are less than 1.3 meters tall but greater than 30cm tall
Seed trees	Mature trees with healthy crowns capable of producing flowers and seed
Soil Cover	The percentage of the area with soil surface covered either by live vegetation or a layer of other plant vegetation

Forest Condition (complete if the block is mainly forest)			
Write the names of main tree species			
Local name		Scientific name	
Roinangshing		<i>Pinus roxburghii</i>	
Zalashing		<i>Schima wallichii</i>	
Bainangshing		<i>Quercus griffithii</i>	
Plantation			
Is there any plantation?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Approximate height of planted trees (m)	
Year planted		Is the plantation?	Under stocked <input type="checkbox"/> Stocked <input type="checkbox"/> Overstocked <input type="checkbox"/>

Forest Condition – Age			
Mature <input checked="" type="checkbox"/> Main canopy of mature trees	Pole stage <input type="checkbox"/> Main canopy of pole-stage trees	Shrubland <input type="checkbox"/> Main canopy of shrubs, young trees or regeneration	Any <input type="checkbox"/> No continuous canopy. Isolated trees only

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

Forest Condition – Regeneration (including coppice regrowth)		
Abundant <input checked="" type="checkbox"/> Regeneration easy to find in most places	Scattered/few <input type="checkbox"/> Regeneration only in some places and hard to find	None <input type="checkbox"/> No regeneration
Write the names of the 3 main tree species in the regeneration		
1) <i>Pinus roxburghii</i>	2) <i>Quercus griffithii</i>	3) <i>Schima wallichii</i>

Regeneration: Seedlings > 30cm and < 1.3m height
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Forest Condition – Approximate density of seed trees		
High <input type="checkbox"/> > 50 seed trees per ha	Moderate (✓) 10 – 50 seed trees per ha	Low <input type="checkbox"/> < 10 seed trees per ha

BlockCondition–Summary <i>(Use the forest condition class box below to get an average condition for the block)</i>
--

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

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

Open spaces (complete if there are significant open spaces in the block)	
Approximate total open space area (ha)	1Ha
Dominant vegetation type in the open space	Amla, shrubs etc
Cause of open space e.g. grazing, fire, harvesting, etc.	Overharvesting

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

Main fodder species being used (list 3 only)	
Local name	Scientific name

Khambaktangshing	<i>Ficussp</i>
Bara chungmashing	<i>Ficussemicordata</i>

Pasture quality (list the 3 dominant species in the grassland)			
Local name	Scientific name	Palatable/unpalatable	
Sorbang	<i>Cymbopogonflexuosus</i>		
Use pattern	Seasonal <input type="checkbox"/>	All year	(√)
Type of user	Migratory <input type="checkbox"/>	Local (√)	Both <input type="checkbox"/>

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

Fauna (List any animal or bird species seen or which are known from the block)	
Local Name	Scientific name
Wild Pigs	<i>Susscrofa</i>
Porcupine	<i>Hysterixbracyhura</i>
Barking deer	<i>Muntiacus mutjak</i>
Goral	<i>Nemorhaedus goral</i>
Monkey	<i>Macacaassamensis</i>
Capped langur	<i>Trychypithecus pileatus</i>

Marten	<i>Martes flavigula</i>
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Biotic Pressures (tick those present)			
Fire	Common <input type="checkbox"/>	Occasional (✓)	Absent <input type="checkbox"/>
Grazing	Heavy <input type="checkbox"/>	Limited (✓)	Absent <input type="checkbox"/>
Fodder collection (list main species used)	Common <input type="checkbox"/>	Limited (✓)	Absent <input type="checkbox"/>
NWFP collection (list the main products including bamboo & cane)	Common <input type="checkbox"/>	Limited <input type="checkbox"/>	Absent (✓)
Leaf litter collection	Common (✓)	Limited <input type="checkbox"/>	Absent <input type="checkbox"/>
Encroachment	Common <input type="checkbox"/>	Occasional <input type="checkbox"/>	Absent (✓)
Pole harvesting	Common (✓)	Occasional ()	Absent <input type="checkbox"/>
Fuelwood harvesting	Common (✓)	Occasional <input type="checkbox"/>	Absent <input type="checkbox"/>
Timber harvesting	Common (✓)	Occasional <input type="checkbox"/>	Absent <input type="checkbox"/>
Hunting	Common <input type="checkbox"/>	Occasional (✓)	Absent <input type="checkbox"/>
Others (describe)			

Potential Management Options (list any potential management options for the CF/block II)	
1	Supply timbers on need basis following the single tree selection
2	Carry out fire line creation to prevent forest fire
3	Carry out patrolling to protect from illegal collection of timber and wildlife poaching
4	Carry out thinning to improve the stand of forest

Annual Allowable Cut (AAC) in cft

Annual Allowable Cut (AAC)	Dangchung	Tsim	Cham	Drashing	Firewood	Flag Poles	Fencing Posts
Block I: Samadrang-Kheshingbrangsa	82	386	1238	19,663	15,045	416	1043
Block II: Bainangwoong-Kasdrang	45	159	391	1752	450	120	212
Total AAC	127	545	1,629	21,415	15,495	536	1,255

Notes: for CFMG's understanding, m³ can be converted into cft. (1 m³ = 35.32 cft). Volume can also be converted into number of trees.

IX.FOREST MANAGEMENT

Block Wise Management Procedures

1A. Samadrang-Kheshingbrangsa block

Produce/ services	Timber (Drashing, Cham, Tsim& D/hung	Firewood & flag post	Stone and boulde	NWFPs
Main species	<i>Perseasp, Acer, Betula, Alnus, Schima, Nysea, Castanopsissp, Cinamomumsp, Symplocussp, Daphnephyllumsp</i>	<i>Perseasp Oak sp, Lyoniasp, Symplocussp</i>		Fern, Mushroom
Problems	<ul style="list-style-type: none"> Insufficient of preference species (<i>Michelia, Betula & Toona</i>) Illegal collection 	<ul style="list-style-type: none"> Shortage of hardwood species 		
Opportunities	<ul style="list-style-type: none"> Potential habitat for RNH due abundance of <i>Perseasp</i> Enrichment plantation 	<ul style="list-style-type: none"> Sustainable utilization of resources 		
Management objectives (reflecting problems)	<ul style="list-style-type: none"> Plantation of potential timber species Plantation of fruit tree species 	<ul style="list-style-type: none"> Plantation 		
Activities to achieve the objective(mark as H,MorL)	<ul style="list-style-type: none"> Plantation of potential timber species (H) Plantation of fruit tree species (H) Patrolling (H) 	<ul style="list-style-type: none"> Plantation (H) Patrolling (H) 		
Procedures	As per the management plan and FNCRR			
Responsibilities	CFMC and CFMG members	CFMC and CFMG members	CFMC and CFMG	

1B. Bainangwoong-Kasdrang block

Produce/ services	Timber (Drashing, Cham, Tsim& D/hung	Firewood & flag post	Stone and boulders	NWFPs
Main species	Chir pine, <i>Schimasp</i>	Oak spRhodosp, <i>Lyoniasp</i> ,	Stone and boulders	Mushroom
Problems	<ul style="list-style-type: none"> • Over harvesting • Forest fire 	<ul style="list-style-type: none"> • Forest fire 	<ul style="list-style-type: none"> • Illegal collection 	
Opportunities	<ul style="list-style-type: none"> • Sustainable resource use 	<ul style="list-style-type: none"> • Resource use • Income generation 	<ul style="list-style-type: none"> • Income generation • Resource use 	
Management objectives (reflecting problems and/or opportunities)	<ul style="list-style-type: none"> • Protect wildlife habitat • Sustainable forest resource use 	<ul style="list-style-type: none"> • Sustainable forest resource use • Protection of wildlife habitat 	<ul style="list-style-type: none"> • Sustainable resource use 	<ul style="list-style-type: none"> • Sustainable resource use
Activities to achieve the objective(mark as H,MorL)	<ul style="list-style-type: none"> • Patrolling (H) • Issue permit (H) • Construct fire line (H) • Cleaning and thinning (H) 	<ul style="list-style-type: none"> • Collect lops and tops (H) • Sale of uprooted and fallen tree (H) 	<ul style="list-style-type: none"> • Surface collection (M) • Patrolling (H) 	<ul style="list-style-type: none"> • Avoid over harvesting (H)
Procedures	As per the management plan and FNCRR			
Responsibilities	CFMC and CFMG members	CFMC and CFMG members	CFMC and CFMG	

Forest Management Objectives (whole CF)

1. Easy accessibility and sustainable utilization of forest resources
2. Prevent forest degradation from forest fire and illegal collection of forest resources
3. Income generation from sale of uprooted and fallen tree
4. Conservation of environment and wildlife through rehabilitation of degraded areas

X. FOREST PRODUCT DEMAND OF CFMG

Produce	Annual household requirement(estimated)			Number of households using the produce (if all then write “all”)	Total requirement (over 10 years)	
	Purpose	No. of trees	Volume (cft. Or m ³)		No. of trees	Volume (cft. Or m ³)
Drashing	New construction	18	4000 cft	2 HHs	360	80,000cft
	Renovation	3	700 cft	5 HHs	150	35,000cft
Tsim	Other construction (Shed, store house, toilet, farm guard shed)	20	108 cft	5 HHs	1000	5,400 cft
Dangchung	Other construction (Shed, store house, toilet, farm guard shed)	10	25.2 cft	5 HHs	500	252 cft
Firewood		2	8 m ³	83 HHs	1660	6,640 m ³
Flag Poles		108		2	2160	
Fencing Posts		30		5	1500	
NWFPs (Cane)						

XI. COMPARISON OF AAC AND DEMAND

Produce	Total AAC		Total Annual Demand		Difference		Comments
	No. of trees	Volume (m ³)	No. of trees	Volume (m ³)	No. of trees	Volume (m ³)	
Drashing	346	21,415 cft	51	11,500 cft	295	9,915cft	Including 3 Nos tree for repair of 5HHs annually
Tsim	154	545cft	100	540 cft	54	5 cft	
	90	127 cft	50	127cft	40	0	

Firewood	250	438.72 m3	166	664 m3	84	-225 m3	Fire wood shall allot in number
Fencing Post	356		150		206		
Flag poles	380		216		164		
NWFPs (list all NWFPs)							

XII. PARTICIPATORY ENVIRONMENTAL ASSESSMENT

Completed Participatory Environmental Assessment Chart								
	Potential Environmental Effects				Potential Socio-Economic Effects			
Activity proposed in CFMP	Soil	Water	Wild animals	Plants	Traditional forest use	Cultural and religious values	Local employment	Local benefits from forest produce
Harvesting of timber/fuel wood/ fencing posts/etc.	- - -	- - -	- -	- -	- - -	-	++	+++
Plantation	+++	+++	+++	- -	++	+	++	++
Surface collection of boulder	- -	- -	-	- -	+	-	+++	++
Removal of unwanted trees and undergrowth	- - -	- -	- -	- -	0	0	+	++
Thinning	0	0	-	+++	+	+	+	+
Creation of fire line	0	0	++	+++	0	++	+	+
Forest protection	0	0	++	+++	+	+	+	0
NWFPS collection	-	0	- -	-	+	- -	+++	++
(O) = No effect, (- - -) high negative effect, (- -) medium negative effect, (-) low negative effect								
(+++) high positive impact, (++) medium positive impact, (+) low positive effect								

Procedures to Address Potential Negative Environmental Effects	
Activity	Procedure
Harvesting of timber/fuel wood/fencing post	<ul style="list-style-type: none"> ✓ Harvesting shall be carried within the lower limit of AAC. ✓ No felling shall be carried out within 100ft of edge of any river and stream ✓ No felling on the very steep slope ✓ Carry out plantation in the degraded area ✓ Felling shall done in single- tree selection system
Thinning	<ul style="list-style-type: none"> ✓ Seek technical support from the forest office ✓ Avoid over thinning
Collection of NWFPs	<ul style="list-style-type: none"> ✓ Collection shall be carried out in sustainable manner
Surface collection of boulder	<ul style="list-style-type: none"> ✓ Avoid over collection
Forest Protection from illegal acclivity and prevent from forest fire	<ul style="list-style-type: none"> ✓ All CFMG member shall take part proactively in protecting forest resources from illegal ✓ Yearly fire line shall be created in the fire prone area

XIII. FOREST PRODUCT AND SPECIES PREFERENCE

Species Local name ↓	Uses →	Timbers	Fire wood	Fencing Post	Flag post	Fodder	Leaf litter
Karshing	Preference	XXX	X	X	X		
	Availability	+	+	+	+		
Rowshing	Preference	XXX	X	X	X		
	Availability	+	+	+	+		
Kheshing	Preference	XXX	X	X	X		
	Availability	+	+	+	+		
Roinangshing	Preference	XXX	X	X	XX		
	Availability	++	+	+	++		
Sermalishing	Preference	XX	X	X	X		
	Availability	+	+	+	+		
Charshing	Preference	XXX	X	X	X		

	Availability	YY	+	+	+		
Goolishing	Preference	XX	X	X	X		
	Availability	+++	++	+	+		
Bainangshing	Preference	XXX	X	X	X		
	Availability	++	+	+	+		
Zalashing	Preference	XX	X	X	X		
	Availability	++	+	+	+		
Tshaishing	Preference	XX	X	X	X		
	Availability	++	+	+	+		
Domashing	Preference	X	X	XX	XX		
	Availability	+	+	++	++		
Cinamomum	Preference	XXX	X	X	X		
	Availability	++	+	+	+		
Awalagashing	Preference	X	XX	XX	X		
	Availability	+	+++	+++	+++		
Serchimashing	Preference	XX	XX	X	X		
	Availability	++	++	++	+		
Gamashing	Preference	XX	XX	X	X		
	Availability	++	++	++	+		
Lemomshing	Preference	XX	X	X	X		
	Availability	++	+	+	+		
Serlashing	Preference	X	XX	X	X		
	Availability	+	++	++	+		
Zhudangshing	Preference	X	XXX	X	X		
	Availability	+	++	+	+		
Kholomshing	Preference	X	XX	X	X		
	Availability	+	++	+	+		
Namdalashing	Preference	X	XX	X	X		
	Availability	+	+	+	+		

Brakshing	Preference	X	XX	X	X		
	Availability	+	+	+	+		
Lemshing	Preference	XX	X	X	X		
	Availability	+	+	+	+		
Fanglomshing	Preference	X	XX	X	X		
	Availability	+++	++	+	+		
Shajulashing	Preference	X	XX	X	X		
	Availability	++	++	+	+		

XXX= Highly preferred XX= Medium preferred X= Least Preferred

+++ = Highly available ++ = Medium available + = Least available

XIV. WASTE MANAGEMENT IN CF

An individual, institution or a community conducting activities like camping, trekking, picnicking, timber extraction, firewood collection, religious or cultural performance, cattle herding, dumping of saw dust, quarrying and mining, research, survey, inventory development, census, infrastructural construction, Non-wood forest product collection, educational or recreational visit or running small commercial activity within the CF shall be prohibited from littering in any form of wastes. The CFMG members shall conduct mass waste management and cleaning campaign within CF on quarterly basis and same shall report to Park Range Office, Serzhong and Gewog administration for further disposal. Defaulters including CFMG members shall be dealt as per the provision of FNCRR-2017 and other relevant rules and regulations if any one fail to adhere to this plan.

XV. MONITORING PLAN BY CFMG

Forest Resources Monitoring				
Activities (as per AWP)	Indicator	How it will be monitored	Responsibility	Comments
Plantation of timber species in the degraded areas.	Survival rate of seedlings at least by 50% in the plantation area.	Carry out survival rate assessment in plantation area.	CFMG	Technical backstopping from Range office

Patrolling the CF area.	Nos. of patrolling conducted and culprit apprehended.	Monthly patrolling and monitoring of the CF.	CFMC coordinate the activities	CFMG will submit report after patrolling
Creation of fire line	3km length of fire line constructed and minimized forest fire incidences	Labour contribution shall be made for fire line creation and physical verification	CFMC and CFMG	Technical support from Forestry staff.
Thinning of chir pine forest	Yearly thinning of 5 acres of CF block reduces the competition from undesirable species	Labour contribution shall be made for thinning	CFMC and CFMG	Technical support from Forestry staff.
Environmental Monitoring Plan				
Potential impact (negative)	Indicator	How it will be monitored	Responsibility	Comments
Damage to natural regeneration	Nos. of seedling damaged.	Count in a sample plot	CFMC and forestry staff	Participatory assessment
Forest fire inside CF area	Frequency of forest fire incidences reduced	Calculate area burnt and frequency	CFMC and forestry staff	
Social & Institutional Monitoring Plan				
CF general meeting	Nos. of participation of CFMG members in the meeting	Maintaining of meeting records	CFMC	Maintain proper records
Providing loan for CFMG member	Nos. of households provided with loan	Record in fund management	CFMC	Follow as per criteria laid in CFMP

XVI (1). ANNUAL WORK PLAN

Year					
Management objective	Activity	Block or location	Quantity	Unit	Month
Easy accessibility and Sustainable	Submission of application and verification of construction sites			Nos	June to September

utilization of forest resources	Permit issuance, marking and felling	All blocks		Nos	October to December
	Extraction and transportation to construction sites				January to June
Environment conservation through rehabilitation of degraded CF and stand improvement	Plantation of <i>Micheliasp</i> , <i>Toonasp</i> & walnut in CF area	Samadrang-Kheshingbrangs a	3 seedlings/ HHs	Nos	May and June
	Carryout thinning and cleaning	Bainangwoong-Kasdrang	5	Acres	December
Prevent forest degradation from forest fire and to curb illegal activities	Construct fire line	Bainangwoong-Kasdrang	3	Km	November
	Conduct monthly Patrolling by CFMG members	All blocks	12	Months	January to December
	Conduct annual patrolling along the CF boundary	All blocks	1	Times	November
Strengthening CFMG	CFMG general meeting	All CFMG members	2	Days	June and December

XVI (2). MONITORING AND EVALUATION

110. The concern Forest Officer shall conduct regular monitoring of plan activity and submit the report on half yearly basis to the Department.

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

PART B: BY LAWS

XVII. MEMBERSHIP ARRANGEMENT

1. All individual and households with traditional claim to forest produce from the CF shall seek membership of the CFMG.
2. People with registered Gung and thram number under *Muhung chiwog* shall participate as CF member
3. For any native or re-settled individual who fail to join in the beginning shall be allowed to join later upon realizing an amount of Nu. 5000/-.However fragmented household of CF members can participate in the group without any payment but has to pay membership fee there after.
4. If CF members wish to voluntarily resign, without genuine reason can do so without any benefits from the group. However,he/she have to clear all dues and fines to his name.Exceptional case shall considered to those households who can no longer participate due to old age, women headed, destitute and under compulsion circumstances shall be allowed to resignand are entitled for the equal benefits from the group.
5. Once resign, but later wishes to rejoin, shall be allowed upon realizing fine of Nu.10,000/-.

XVII. MANAGEMENT COMMITTEE FORMATION

1. The management committee shall be comprised of three members, and they are:
 - I. Chairman,
 - II. Secretary, and
 - III. Treasurer
2. Any CFMG members shall be eligible for Community Forest Management Committee (CFMC) member, if he/she can read, write or trusted by the other members.
3. The CFMG Management Committee members will be elected by the CFMG members among themselves in a democratic way. Whoever, secure majority vote during the election/meeting shall be declared as winner and become CFMC.
4. Chairman, Secretary and Treasurer shall serve for the period of three years.

CFMC Members list

Sl. No.	Name of person	Gender	Address	Post	Contact No.	Tenure
1	DorjiWangchuk	Male	Luzhing	Chairman	17693654/ 77326568	3 years
2	SangayDorji	Male	Muhung	Secretary	17544386	3 years
3	JurmiTshering	Male	Muhung	Treasurer	17976131	3 years

XIX. TERMS OF REFERENCE FOR CFMG MANAGEMENT COMMITTEE

ToR of Chairman

- Heads the CFMG.
- Calls meetings whenever necessary and informs concerned persons about date, time and place and the reasons for the meeting.
- Chairs and facilitates meetings and makes sure each person is allowed to speak, thereby giving everyone a fair chance to raise the issues
- Approves applications for forest products (with secretary).
- Countersigns payment authorisation with secretary & treasurer).
- Liaise with Park management on technical backstopping for CF management.
- Coordinate and organize mass cleaning within CF on quarterly basis and reporting to Park Range along with the list of participants.
- Arrange further waste disposal in collaboration with Gewog administration.

ToR of Secretary

- Assists the chairperson as required.
- Manage the correspondence (writing of letters and minutes of meetings) for the CFMG.
- Keeps the files of the CFMG.
- Maintains the list of CFMG members
- Approves applications for forest products (with chairperson).
- Keeps minutes of CFMG meetings.
- Prepares annual progress report (with other CFMG Management Committee members).

ToR of Treasurer

- Looks after any financial transactions on behalf of the CFMG.
- Keeps records of expenditure and labour contribution during CF activities
- Gives a 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)
- Prepares the annual financial report (with the assistance of other CFMG Management Committee members) and submit to the CFO through the Park range

- Countersigns payment authorisation (with chairperson).

Roles and Responsibility of CFMG members

- To follow the procedures and rules of the CFMG as outlined in the CF Management Plan and By-laws.
- Participation in CFMG planning and decision-making.
- Election of CFMG Management Committee members.
- Participation in drafting of the CF management plan and CFMG by-laws.
- Participation in CFMG meetings.
- Co-operation with the CF Management Committee in carrying out forest management and other management operations especially by contributing labour if required.
- Co-operation with the CFMG Management Committee regulating forest use by other CFMG members and by outsiders
- Become involved in other CFMG activities as planned
- Keep vigilant on forest fire outbreak in the CF and report the Chairman or other relevant agencies
- Participate for the mass cleaning within CF on quarterly basis.

XX. Fees & Royalty

Sl. No	Forest Products/Membership Fees	CFMG members	Non-CFMG/commercial
		Royalty/Fees (Nu)	Royalty/Fees (Nu)
1	Membership fees	100 per annum	-
2	Drashing	45per tree	For wind fallen & uprooted trees only -200/cft (log form)for special class - 150/cft(log form) for A class - 100/cft(log form) for other class
3	Fuelwood	45 per tree	
4	Tsim	10 per tree	-
5	Dangchung	5 per tree	-
6	Fencing post	5 per tree	-

7	Bamboo	10 per piece	60 per piece
8	Stone/ Gravel	40 per TL	150 TL
11	Leaf litter transported by mechanical device	100per TL&50 per Bolero pick-up	500 per TL &100 per Bolero pick-up

XXI. FINESAND PENALTIES

Products/Prohibited/Restricted Activities/	CFMG members/Non CFMG members
	Fines/penalty
Section 393, clause (2) littering and disposal of garbage or other waste material, and polluting any water body or water course or undertaking any activity that may pollute a water source or water course (FNCRR,2017).	Nu. 100 (FNCRR, 2017)
Section 410, dumping of waste on the land surface, underneath land or into stream, river, drainage system or other water body (FNCRR, 2017).	Nu. 1000/-
Section 411, lopping, tapping, uprooting or injuring any tree (FNCRR, 2017).	Nu. 500 per tree
Section 416, clause (1) Any removals of forest produce from CF without consent of the CFMG (FNCRR, 2017).	Fine of Nu. 100/cft on log/sawn volume and compensation at NRPC rate shall also be levied (Section 416, FNCRR, 2017).
Section 411, clause (13) removing or destroying, or setting trap or snare or capturing of any wildlife/plant in CF (FNCRR, 2017)	Fine of Nu. 5000 and confiscation of specimens and equipment and surrender to Range Office.
Section 417, clause (6) commercial taking of non-wood forest produce (FNCRR, 2017)	Fine of Nu. 100 per piece for bamboo
Damage to plantation	Fine of Nu. 50/seedling damaged and carryout re-plantation.
Absent during CF meeting, activities and others	Nu. 200 per absence and shall pay within six months. Failing to pay fine will bar resource allocation for 3 years.
Section 408, clause (9) forest fire in CF caused by campers, hikers, herders, and other sources etc. (FNCRR, 2017).	Fine of Nu. 5000/- and suppression cost of Nu. 5000 per day will be levied (FNCRR, 2017).
Section 426, clause (7) collection or transit of stone and boulder (FNCRR, 2017).	Fine of Nu. 1500 per TL and compensation at NRPC rate per TL shall be levied (FNCRR, 2017) Or Seizure.

Section 426, clause (8) Collection or transit of Firewood in CF	Fine shall be as per FNCRR-2017
Failing to repay loan by CFMG within stipulated time	Penalty charge of 24% on total loan repayment amount (principal plus interest) shall be levied per annum.
Any other offence committed inside CF where no specific penalty for such offence is stated shall be dealt according to relevant section of FNCRR, 2017, CF manual, 2018 and order issued by the Department of Forest and Park Services time to time.	

XXII. MANAGING CFMG FUND AND CREDIT

1. Joint saving account shall be opened with Bhutan Development Bank Limited (BDBL) in the name of Muhung Community Forest Management Group.
2. The CFMG shall generate fund from annual membership fee, royalty/fee for forest produces, cash payments from the sale of NWFPs, sale of surplus, fallen/uprooted timber, fines and penalties, interest return and contributions and donations.
3. The Chairperson, Secretary and Treasurer will be responsible to operate any transaction of the fund.
4. The account shall be operated under the joint signatory of the CF Chairperson, Secretary and Treasurer.
5. CF fund shall be utilized as per the National CF Fund management guideline issued by DoFPS and also through consultation with the CFMG member during general meeting.
6. CFMG shall deposit any kind of cash generated in this account.
7. Treasurer shall maintain all transaction records clearly and properly.
8. Annual incentives shall be paid to CFMG from the CF fund for discharging their duties
 - a. Chairperson shall be paid Nu. 3000/- per annum
 - b. Secretary shall be paid Nu. 2500/- per annum
 - c. Treasurer shall be paid Nu. 2500/- per annum
 - d. Further CFMG shall be paid Nu. 250/- per day as incentive who shall accompany forest staff during the annual marking of rural timber and fuel wood. However, incentive shall be paid upon the duly verification by the concern forest staff for the transparently utilization of group fund. Similarly, CFMG shall be paid Nu. 250/- per day from the CF fund during the training/ workshop organized by relevant stakeholders which is relevant to CF
 - e. CFMG shall also be entitled for Nu. 500/- each during opening and closing of group saving account at BDBL office basically to meet the transportation charges.
9. Loan scheme shall be instituted for CFMG members with the maximum ceiling of Nu. 20,000/- and minimum ceiling of Nu. 5000/-.
 - f. The interest rate shall be charged at 7% per annum.
 - g. The borrower shall pay the principal amount and interest within one year from the sanction of loan.

- h. Only one member from the household is eligible for loan at a time.
- i. Should not have any outstanding loan in the CFMG.
- j. The borrower should have his/her census in a household who is member of the CF and one family member should stand as guarantor.
- k. Upon the fulfilment of the eligibility criteria, the CFMG shall approve the loan based on general consensus or quorum with 2/3rd majority.
- l. In the event if house of the member is damaged by fire, *semso* amount of Nu. 10,000/- shall be given to affected member.

XXIII. BENEFIT SHARING MECHANISM

1. All the members of Community Forest are sole custodian of Muhung Community Forest and have equal right and access to forest produces of community forest. However, no other than the owner of *Bangshing* (having traditional right over certain areas) included in the CF shall have right over the collection of leaf litter and fuel wood as per the management plan. Similarly, he/she shall protect the area from illegal collection and manage accordingly.
2. CFMG are entrusted to distribute the forest and other resources arising out of CF activities equally without partiality or favouritism.
3. All CFMG members shall have equal access to NWFPs for their self consumption.
4. The maximum of 18 numbers *drashing* shall be allotted for the construction of 2 storied new house to CFMG members once in 25 years and 3 numbers of *drashing* once in 12 years for renovation purposes based on annual demand in the management plan.
5. CFMG member shall not be eligible for more than one house construction.
6. The CFMG member shall submit application prescribed in *Annexure 14* (CF manual, 2018) along with copies of (a) Citizenship ID card, (b) *Lagthram*, and (c) Construction approval.
7. Inspection team comprising of CFMG, Gewog administration and Forestry personnel shall carry out joint inspection at construction site, endorse and verify the application for approval or rejection.
8. CF chairman shall accord approval and issue permit based on eligibility.
9. The applicant with permit shall go to the specified marking area on the fixed date with the Range Officer for marking.
10. The applicant shall extract the marked trees within a maximum period of two years for new construction and one year for renovation within which the timber should reach the construction site from the date of issue of permit.
11. The applicant shall obtain ITMO along with COSDTMO from Range Office during passing and the timber should have clear CF passing hammer impression.
12. CFMG members shall meet resources for other construction such as sheds for livestock, storehouse, farm guard shed/watch tower, toilet from the *cham* size.
13. The maximum quantity for allocation for other rural construction shall be on standing tree basis with 20 *tsims* and 10 *dangchungs*.

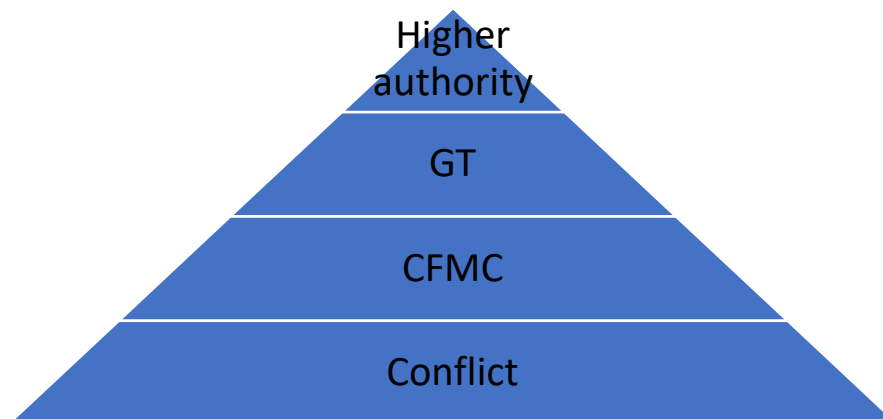
14. Two numbers of firewood shall be allotted only once in a year per household.
15. Flagpoles and fencing post will be allotted based on need upon verification and annual demand in the management plan.
16. CFMG member wishing to avail any forest produce shall submit application form prescribed in *Annexure 14* (CF manual, 2018).
17. Permit shall be obtained for collection of Non-Wood Forest Product for commercial purpose.
18. CFMG members shall submit *Annexure 14* (CF manual, 2018) for surface collection of stone. Upon verification, the permit shall be issued accordingly.
19. Permit shall be obtained for surface collection of stone and gravel for domestic purpose.

XIV. MEETINGS

1. CFMG will convene two CF general meeting twice a year during June and December month. However ad-hoc meeting shall be convened based on the need.
2. During the summer general meeting group will prepare work plan, collect membership fee and discuss any other issues and challenges in regard CF.
3. And on second meeting chairman shall prepare and submit progress report, financial position and transaction. During the meeting CFMG shall also discuss on any challenges and issues while implementing the management plan.

XXV. CONFLICT MANAGEMENT

1. Maintaining harmony within the CFMG member is one of the important component of the the group. However, in case if any conflict arises during the course of time, it shall be resolved mutually within the group by CFMC as far as possible.
2. If conflicts arises beyond the scope of CFMC and cannot be resolved mutually shall be submitted to higher authorities, as shown in the figure below.



XXVI. AMENDMENT OF CFMP AND BY-LAWS

CFMP and By-Laws shall be amended with prior approval from the DoFPS.

Community Forest Management Plan shall be revised after expiry of this plan, however if arise any important issue(s) to be incorporated in this present plan, CFMP shall be amended after 5 years of its implementation with prior approval from the Department of Forest and Park Services.

XXVII. POWERS OF THE DEPARTMENT

The department shall exercise the power conferred by FNCRR, 2017 as follows:

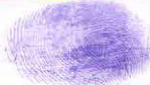










Cancellation/Suspension/Reinstatement of the Community Forest Certificate based on FNCRR, 2017

1. Section 102; in the event the members of the CFMG decide to cancel CF certificate in accordance with this Rule, the Community Forest Certificate shall be cancelled with effect from the date of notification of the decision to the CFO. The CFMG shall then surrender the Certificate to the Department.
2. Section 103; the CFO shall have the right to enquire about the reason for such cancellation to ensure that no offence has been committed, as outlined under this Rules.
3. Section 104; in the event the number of member household in the CFMG fall below five or the group otherwise ceases to meet the requirement under this Rule; the CFO shall notify the CFMG that its certificate shall be cancelled.
4. Section 105; the Department shall suspend the rights and privileges of the CFMG to control, manage and utilize the CF upon the recommendation of the CFO, in the event of the following:
 - (1) The CFMG is unable to manage the Community Forest according to its management plan or otherwise fails to meet their responsibilities; and
 - (2) The CFMG has engaged in any activity in contravention of the provision of the Act, Rules, by-laws or the management plan.
5. Section 106; the suspension shall be for a minimum period of 3 years. During the suspension period, the CFMG members shall not be eligible for any forest produce from the SRF.

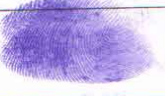








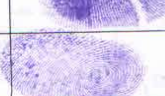

XXVIII. CFMG ADMINISTRATION AND RECORD KEEPING

1. CFMC shall inculcate and apply principles and values of good governance in managing and governing the CF.
2. Records, Books and other guidelines shall be properly maintained following the format prescribed in 'Forestry Field Manual for Bhutan, Community Forestry Manual, Third Edition, 2018, published by DoFPS, 2018. Or,
3. Other relevant **Orders, Notification, Rules, and Guidelines** issued.





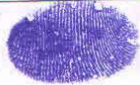






XXIX. ANNEXURE-List of CFMG members

COMMUNITY FOREST MAGNEGMENT GROUP MEMBERSHIP						
Sl. No.	Name of Household Representative	Village	CID No.	House No.	Thram No.	Signature
1/	Pema Shaden	Tsho	10712000623	Ja-12-56	678	
2/	Kunrang Pema	Shilling	10712001599	Ja-12-04	220	
3/	Kasma Lethro	Taa Dzong	10712000503	Ja-12-42	265	
4/	Yeshe Tshomo	Boolung	10712000422	Ja-12-32	292	
5/	Pema	Pangshorpee	10701002207	Ja-12-54	166	
6/	Choten Tshering	Shilling	10712001461	Ja-12-01	237	
7/	Dorji Wangdi	Mulaykang	10712000482	Ja-12-640	152	
8/	Moku	Shilling	10712002588	Ja-12-03	238	
9/	Norbu Choden	Damtshang	10712000676	Ja-12-62	122	
10/	Rinzin Lhamo	Phokchen	10712000446	Ja-12-35	172	
11/	Meto Wangmo	Letungshing	10712000576	Ja-12-50	236	




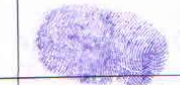





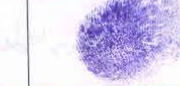

COMMUNITY FOREST MAGNEGMENT GROUP MEMBERSHIP

Sl. No.	Name of Household Representative	Village	CID No.	House No.	Thram No.	Signature
12/	Tshering Tangchen	Phokchen	10712000432	Ja-12-34	492	
13/	Tshering Yuden	Luzhung	10712001516	Ja-12-15	128	
14/	Tshewang	Langpasen	10712000766	Ja-12-66	121	
15/	Norbu Tshomo	Nagzhung	10712000728	Ja-12-67	44	
16/	Nedrup	Phokchen	1071000467	Ja-12-38	173	
17/	Soyam "A"	Damtang	10712000657	Ja-12-59	259	
18/	Soyam Choden	Phokchen	10712000463	Ja-12-37	385	
19/	Chetent	Shilling Goupa	10712001481	Ja-12-12	500	
20/	Tshomo	Lhakhang	10712000535	Ja-12-45	132	
21/	Ugyen Dema	Shilling	10701071836	Ja-12-313	378	
22/	Tangang Choki	Shilling	10712001609	Ja-12-05	239	






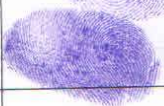





COMMUNITY FOREST MAGNEGMENT GROUP MEMBERSHIP

Sl. No.	Name of Household Representative	Village	CID No.	House No.	Thram No.	Signature
23/	Kelrang Tenzin	Molayrang	10712000491	Ja-12-41	268	
24/	Tashi Wangmo	Bedhuma	10712001578	Ja-12-21	542	
25/	Kasma choki	Juka	10712000361	Ja-12-380	528	
26/	Kelrang Wangmo	Shilling	10712001600	Ja-12-04	472	
27/	Pema Thamo	Shilling	10712001643	Ja-12-08	250	
28/	Sherab Dorji	Shilling	10712001659	Ja-12-09	259	
29/	Soyam Tshering	Shilling	10712001475	Ja-12-10	328	
30/	Kiba	Loshing	10712001502	Ja-12-14	289	
31/	Moku Thamo	Mangkhing	10712000766	Ja-12-72	171	
32/	Phuntsho	Neto Khing	10712001658	Ja-12-385	243	
33/	Soyam Peldor	Pangshorjee	10712000584	Ja-12-59	240	






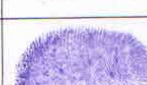



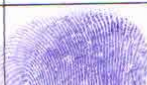

COMMUNITY FOREST MAGNEGMENT GROUP MEMBERSHIP

Sl. No.	Name of Household Representative	Village	CID No.	House No.	Thram No.	Signature
34/	Kunzang Choden	Tsalung	10712000742	Ja-12-69	299	
35/	Soyam Gyelmo	Mangkhung	10712000758	Ja-12-71	524	
36/	Shesab Pelmo	Tsalung	10712000734	Ja-12-68	16	
37/	Choney Tshomo	Tsalung	10712000750	Ja-12-70	352	
38/	Tashi Tshomo	Dantsang	10712000668	Ja-12-61	118	
39/	Teshi Pelmo	Baskaphai	10712000390	Ja-12-24	18	
40/	Tampel Kangmo	Pangthangdaze	10712000597	Ja-12-52	564	
41/	Kasma Wangzom	Phaidichu	10712000365	Ja-12-26	281	
42/	Nidup Wangdi	Gangtang	10712000662	Ja-12-54	359	
43/	Tshering Choki	Phaidichu	10712000383	Ja-12-27	225	
44/	Tashi Wangmo	Rainanggy	10712000576	Ja-12-20	283	




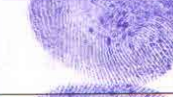






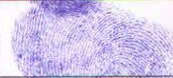
COMMUNITY FOREST MAGNEGMENT GROUP MEMBERSHIP

Sl. No.	Name of Household Representative	Village	CID No.	House No.	Thram No.	Signature
45/	Kizang Choki	Thungshingwang	10712000415	Ja-12-32	124	
46/	Tampel Langdon	Takaphai	10712000359	Ja-12-25	108	
47/	Shenub Ceyemo	Kalashing	10712000526	Ja-12-44	504	
48/	Ugyen Langmo	Jaxowong	10712001489	Ja-12-306	530	
49/	Sangay Langmo	Bichwua	10712000342	Ja-12-23	253	
50/	Nima	Sertang	10712000568	Ja-12-49	333	
51/	Tehring Wangdi	Pangshorpee	10712000593	Ja-12-35	146	
52/	Dema	Koinangyag	10712001552	Ja-12-18	283	 L
53/	Tashi Hama	Gangdula	10712000385	Ja-12-318	120	
54/	Sangay Pema	Langpaser	10712000697	Ja-12-64	256	
55/	Hathi	Bolong	10712001668	Ja-12-387	1095	


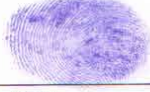

COMMUNITY FOREST MAGNEGMENT GROUP MEMBERSHIP

Sl. No.	Name of Household Representative	Village	CID No.	House No.	Thram No.	Signature
56/	Sangay	Thungkhingwang	10F12000404	Ja-12-30	279	
57/	Tshering Dekar	Kalakhing	10F12000518	Ja-12-43	267	
58/	Dedien Wangmo	Jucaphai	10F12000253	Ja-12-24	227	
59/	Tashi Phuntsho	Tshu	10F12001550	Ja-12-17	218	
60/	Thimley choden	Jucaphai	10F12000352	Ja-12-322	260	
61/	Soyam, "B"	Dantsang	10F12000663	Ja-12-60	358	
62/	Sonam choden	Mangakhing	10F12000772	Ja-12-73	170	
63/	Karma Dema	Sestang	10F12000566	Ja-12-48	128	
64/	Tshewang Peldan	Kaphu	10F12001330	Ja-12-268	475	
65/	Ugyen Lhamo	Pangthangdaka	11102002789		1217	
66/	Karma Wangmo	Bolou	10F12001181	Ja-12-11	237	

COMMUNITY FOREST MAGNEGMENT GROUP MEMBERSHIP

Sl. No.	Name of Household Representative	Village	CID No.	House No.	Thram No.	Signature
(67)	Souam Gyalmu	Taa Daang	107120002499	Ja-12-42	265	
(68)	Pema Langmo	Tsho	10712000648	Ja-12-323	255	
(69)	Seldou	Dantsang	10712000644	Ja-12-58	281	
(70)	Tashi	Langkhing	10712000642	Ja-12-39	468	
(71)	Dedhen Choden	Langkhing	10712000297	Ja-12-348	468	
(72)	Souam Wangmo	Gangtang	10712000558	Ja-12-46	65	
(73)	Tshering	Bedhuma	10712000638		141(Std)	
(74)	Dorji Wangmo	phokcheri	10712000452	Ja-12-51	248	
(75)	Ketang Dorji	Shelling	10701001344	Ja-12-07	249	
(76)	Wangmo	Nazhing	10712001626	Ja-12-277	249	
(77)	Ludou	Bedhuma	10712000336	Ja-12-22	803	

COMMUNITY FOREST MAGNEGMENT GROUP MEMBERSHIP

Sl. No.	Name of Household Representative	Village	CID No.	House No.	Thram No.	Signature
(78)	Tashi	Tsho	10712000605	Ja-12-55	252	
(79)	Pema chetam	Tsho	10712000618	Ja-12-56	468	
(80)	Gyeltshen Wangdi	Langpasar	10712000711	Ja-12-65	268	
(81)	Pema Dorji	Roinanggar	10712002591	Ja-12-19	283	
(82)	Deki	Lukhang	10712001539	Ja-12-16	288	
(83)	Kangpo	Shilling	10712001562	Ja-12-02	238	