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Royal Government of Bhutan
Ministry of Agriculture and Forests
Department of Forests and Park Services
Divisional Forest Office
Gedu



LOCAL FOREST MANAGEMENT PLAN

FOR
AREAS OUTSIDE FMU SYSTEM
GETENA GEWOG

CHUKHA DZONGKHAG

Period of the Plan: 01 JULY 2020 TO 31 JUNE 2030

PREPARED BY

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AUTHORITY FOR PREPARATION, REVISION AND APPROVAL

PERIOD OF THE PLAN

This Plan is valid for the period of 10 years from 1st July 2020 to 30th June 2030.

AUTHORITY FOR PREPARATION, REVIEW AND APPROVAL

The authority for preparation of this plan was given to the Samdrup Jongkhar Territorial Division, Department of Forests and Park Services, Ministry of Agriculture and Forests, Royal Government of Bhutan.

APPROVAL

This plan was reviewed and recommended for implementation by Forest Resources Management Division, Department of Forests and Park Services (DoFPS) and approved by the Honorable Secretary, Ministry of Agriculture and Forests, Royal Government of Bhutan.

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Local Forest Management Map, Getena Gewog.

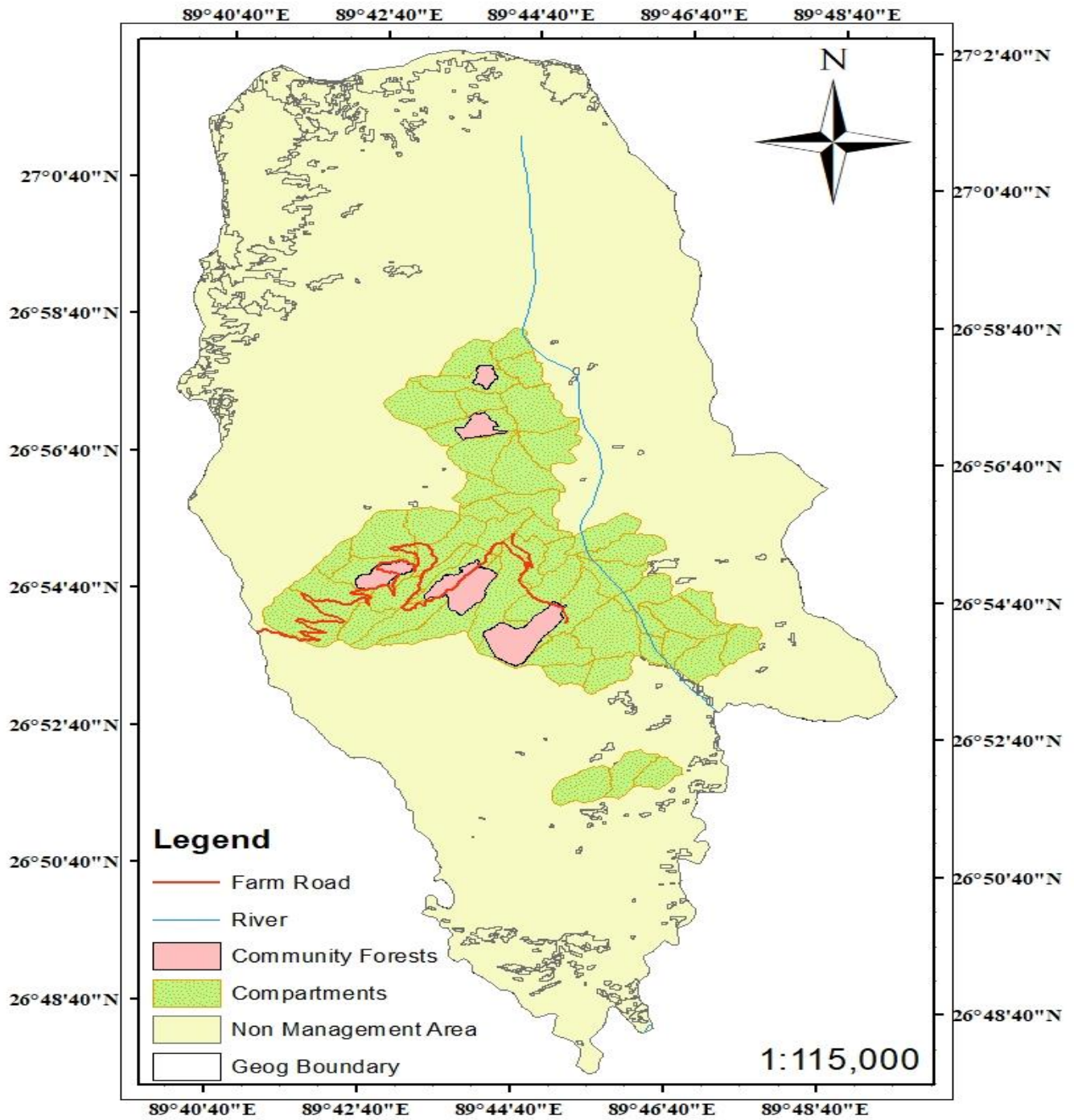


Figure 1: Local Forest management Map, Getena Geog.

Summary Results for Forest Management Area: Getena

Unit	Area Distribution				
	Non Forest	Protection	Inoperable	Production	Total
ha	374.7	821.7	338.0	3554.6	5089.0
%	7%	16%	7%	70%	100%

Average basal area (m ² /ha)	Aver. Stand Volume	No of operable sample plots
8.0	61	529

Unit	Forest Type Distribution								
	Hemlock	Fir	Spruce	Mix. Con.	Bluepine	Chirpine	Hardwood	Mixed HC	Total
%	0%	0%	0%	0%	0%	0%	100%	0%	100%
Unit	Age distribution					Stand type distribution			
	young	immature	mature	Overmature	Total	plantation	natural	coppice	Total
%	4%	17%	78%	1%	100%	0%	100%	0%	100%
Unit	Canopy closure					Condition			
	dense	closed	open	unstocked	Total	good	average	poor	Total
%	8%	72%	20%	1%	100%	23%	74%	4%	100%

Unit	Site Condition								
	Slope			Erosiveness			Soil Cover		
	gentle	moderate	steep	stable	moderate	unstable	high	moderate	low
%	10%	87%	3%	10%	88%	2%	8%	89%	3%

Unit	Forest Use					
	Intensive Side Uses			Extensive Side Uses		
	grazing	sokshing	lopping	grazing	sokshing	lopping
ha	619.9	0.0	289.6	114.4	0.0	181.0
%	17%	0%	8%	3%	0%	5%

Unit	NWFP Occurrence and Firewood							
	NWFP abundant				NWFP sparse			
	Firewood	Bamboo	Cane	Daphne	Firewood	Bamboo	Cane	Daphne
ha	922.5	446.1	81.8	438.1	844.7	312.0	41.6	229.1
%	26%	13%	2%	12%	24%	9%	1%	6%

Unit	Management Options					
	No activity	Improv.	Timber	Firewood	Silvopast.	Shokshing
ha	0.0	1146.2	496.6	0.0	0.0	0.0
%	0%	32%	14%	0%	0%	0%

Unit	Potential Production				
	Timber				
	Drashing	Cham	Tsim	Poles,posts	Total
Ntot	19640	68270	8071	2139	98120
N/ha	6	19	2	1	28
m3	42642	73423	2246	150	118461
m3/ha	12.0	20.7	0.6	0.0	33.3
Unit	Firewood				
	> 49cm	30-49cm	20-29 cm	10-19 cm	Total
Ntot	13342	28310	5307	651	47610
N/ha	4	8	1	0	13
m3	31812	25952	1477	51	59292
m3/ha	8.9	7.3	0.4	0.0	16.7

Unit	Sivicultural Measures			
	Planting	Thinning	Felling	
ha	330.3	1130.5	436.7	0.0
%	9%	32%	12%	0%

Yield Regulation	
AAC	1681 m3
	0.5 m3/ha
Prod. Potential / AAC	106 years

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1. BACKGROUND

Scientific management of forests in Bhutan started in 1965 with the preparation of the first management plan. However the sustainable management of forest using scientific principles has been just confined to FMUs, Protected Areas and Community Forests. It is found that unmanaged forest area in the country are under tremendous pressure where major portion of the annual timber supply for rural communities are from these areas. The resource allocation for the rural supply are demand driven rather than on its sustainability and resource capacity. The good monitoring is not in good place too, to assess the demand and supply of timber. Therefore, considering this alarming situation, Management of these areas outside FMUs, PA s and Community Forest is one of the main programmes of the 12th FYP of the Department. The coming up of local forest management plan for the geog will ensure sustainable management of our forest resources and achieve the goal of placing all the country's resources under sustainable management.

Getena Gewog is located in the north of Chukha dzongkhag with an area of 214 sq.km/24202.30 hectares. The general terrain of the gewog is rugged and steep. The Gewog is covered with cool broadleaved forest as predominant forest type. The place is explored by the outsiders for extractions of burrs locally sold as *Phob* and *Dhapa*.

The Gewog consists of 7 villages with population of approximately 820 residing in 183 H/H. The few villages of the Gewog are connected with GC roads, farm roads, connected with safe drinking water, electrified and provided with adequate irrigation water. Farmers grow maize as main food crop. There are 5 community forests management groups in the Gewog. Currently, Beat In-Charge of Bongo Gewog provides forestry services to the farmers including Community Forest.

Besides various forest management regimes, local area management plan was developed with the following objectives;

- To regulate rural wood supply from Getena Forest Management Area on a sustainable basis.
- To supply rural timber to the rural communities on sustainable basis.
- To provide appropriate management interventions for improvement of forest resources.

Forest resource assessment has been carried out by field staffs from Gedu Forest Range under the direct supervision of Gedu Forest Division from May to June 2019.

This Forest Management Plan has been prepared by Pema Gyeltshen, Sr. Forest Ranger-II, Gedu Forest Division.

The management plan will be strictly implemented by Forest Range Office, Gedu and is valid for the period 1st July 2020 to 31st June 2030.

Location and Extent

Getena Gewog is one of the Eleven Gewogs under Chukha dzongkhag. It is located in the east of Chukha dzongkhag. The Gewog is generally located in steep and rugged terrain. It is situated between the longitudes 89°64'961" and 89°84'420" and latitudes 27°05'721" and 26°78'139".

Getena Gewog has total area of 24159.43 hectares of which 5089.59 hectares will be managed under this management plan. The details of various management regimes are shown in the table below.

Table 1: Different management regimes under Getena Geog.

Management Regimes	Names	Areas (ha)
Community Forest	1. Daga CF	21.99
	2. Trashigang CF	41.03
	3. Phutsa CF	50.58
	4. Kuengacholing CF	113.78
	5. Sangay Choling CF	134.74
Total		362.12
Management Area		5089.59
Non-management Area		18750.59
Total Geog Area		24159.43

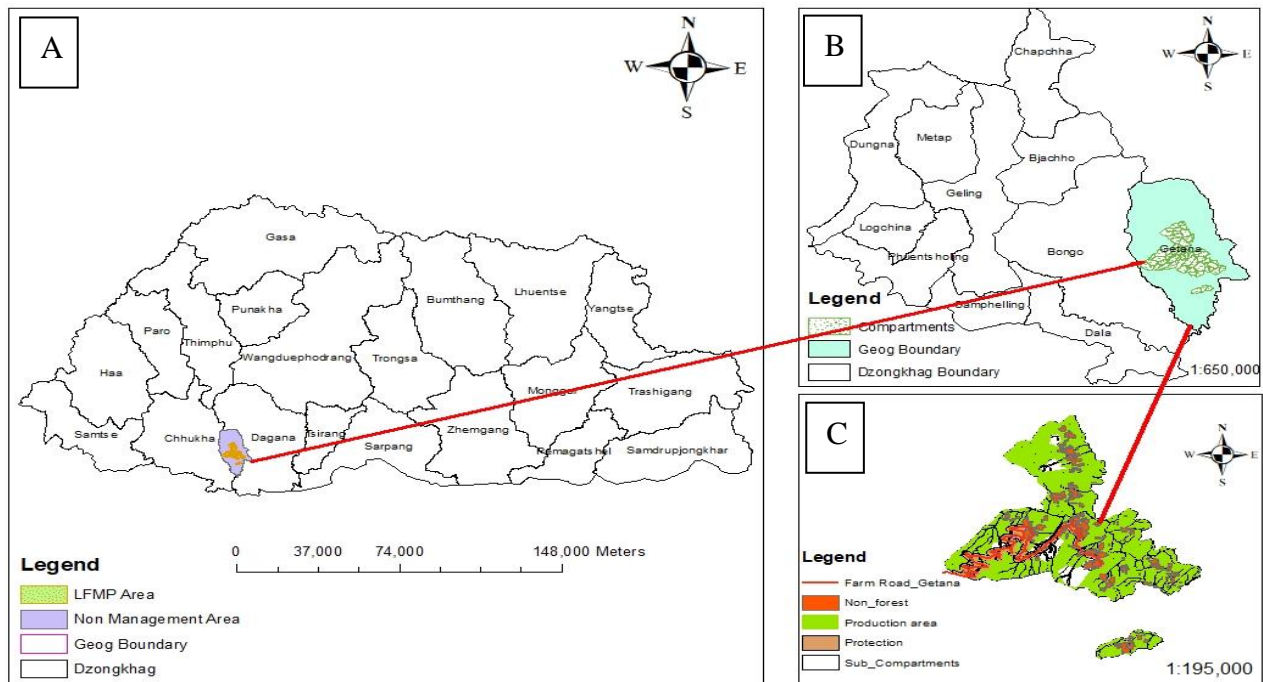


Figure 2: LFMP Location Map: (A); Bhutan Map indicating Dzongkhag, (B); Chukha Dzongkhag with Getena Geog, (C); LFMP Area map.

Table 2: Area statement by Land use and Forest type (LULC 2016)

Land Use	Area (ha)	Percent (%) Area
Broadleaf Forest	21921.57	90.737
Built_up	11.37	0.047
Chuzhing	105.67	0.437
Fir Forest	73.67	0.305
Kamzhing	178.05	0.737
Landslides	1.98	0.008
Meadows	71.22	0.295
Mixed Conifer	1265.7	5.239
Rock outcrops	142.12	0.588
Rivers	15.48	0.064
Shrubs	372.6	1.542
Total	24159.43	100.000

Broadleaved forest covers the majority of area with 90.737% and least by Fir Forest with 0.305%. However, Fir Forest is located only at the high elevation where there is no settlements living around.

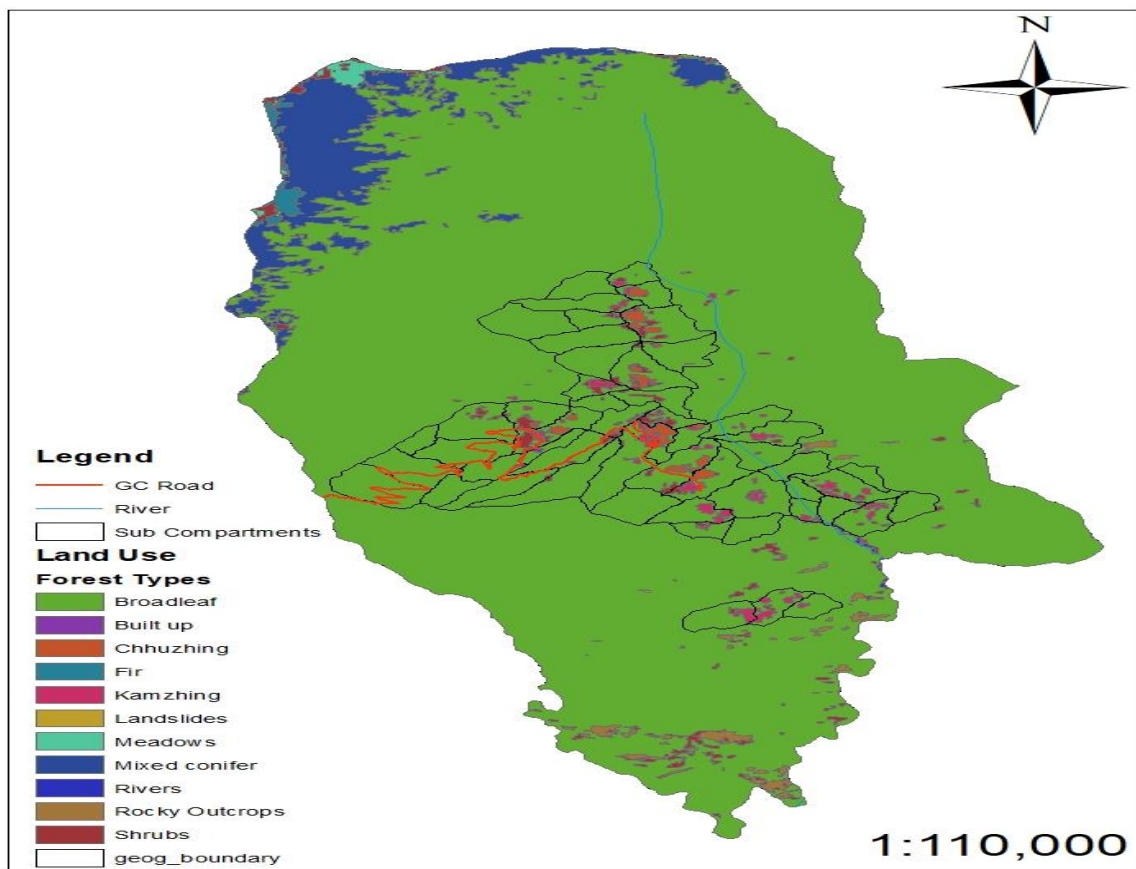


Figure 3: Forest Type and Land Use Map (LULC 2016), Getena Geog.

2. THE FOREST MANAGEMENT AREA

2.1. The Area

The forest management area falls in the middle of Gewog area. It is covered with cool broadleaved forest as dominant forest type. The altitudinal range of the management area stretches from 1900 m to 3500 m above mean sea level. The non-management area are settlements, roads, agricultural land, restricted due to local beliefs and inaccessible areas. The forest management area covers the forested land accessible to local communities of the Getena Geog comprising mainly of broadleaf forest with hardwood forest at the lower elevations.

The other management regimes excluded from the plan but are located in Getena gewog is illustrated in the following table;

Table 3: Areas excluded from the management plan

Excluded Areas	Name	Area (ha)
Community Forests	1. Daga CF	21.99
	2. Trashigang CF	41.03
	3. Phutsa CF	50.58
	4. Kuengacholing CF	113.78
	5. Sangay Choling CF	134.74
Non-management Area		18750.59
Total		19112.71

The total forest management area is 5089.59 ha, which comprises of non-forest, protection zones, inoperable areas and restricted areas by the local community due to local ethos.

Table 4: Forest Management Area for LFMP

Type	Area (ha)
Non-Forest Area	374.72
Protection Zone	821.73
In-Operable Area	338.55
Production Area	3554.59
Total	5089.59

2.2. Forest Type and Conditions

The Forest Management Area lies in the cool broadleaved forest with sparse Fir and Mixed Conifer vegetation. The total broadleaved forest area under Getena gewog is 21,921.57 ha (90.74%) and only 21.88% (5089.59 ha) broadleaved forest is designated for the preparation of Local Forest Management Plan for Getena gewog. The general condition of the forest is good to average. The forest condition is poorer in the close proximity of villages due to intensive use. Forest type distribution as well as forest condition and canopy closure per compartment can be derived from the respective sheet in Annex 1. The forest management area is 100 % hardwood with young (4%), immature (17%), and mature (78%) with over mature (1%) forests. The average standing volume is only 61 m³/ha and the average basal area is 8.0 m²/ha.

2.3. Site and Forest Function

The average site condition is shown in the table below, the site condition for individual compartments or sub-compartments can be derived from Annex 1.

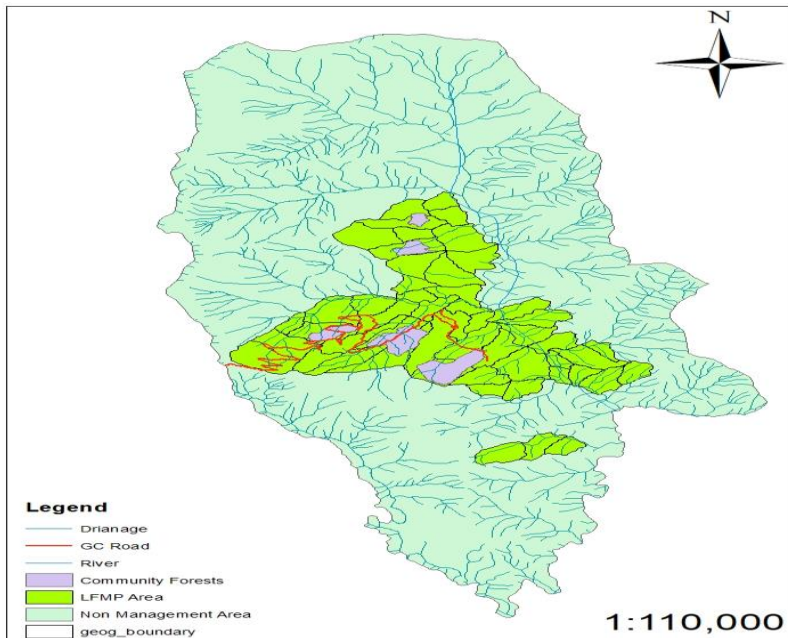
Table 5: Site information of the Area.

Slope	%	Erosiveness	%	Stability	%
Gentle	10	Stable	10	High	8
Moderate	87	Moderate	88	Moderate	89
Steep	3	Unstable	2	Low	3

The forest management area comprises in general from moderate to steep slopes. In the eastern part there are some steep and rocky areas, which should be exempted from timber allocation (protection zone).

2.4. Accessibility

The gewog is connected with Gewog Center Road (GC road) of 87 km from Gedu town as well as farm road of 4 km to the nearest chewog (Cheyul) from geog center. However, Gata, Pangtsela, Trashigang and Daga chewog is still not connected with farm road and even there is no motorable road passing through most of the forest area. The forest management area is accessible but not by motorable road since the area does not have any motorable roads passing by except for two chiwogs namely Phutsa and Bachu.



Along the motorable road from Lachudolay to Geog Center (Bachu) via Phutsa, a road buffer of 200m uphill and 100m downhill (average 150m) was created and excluded for the timber harvesting.

Figure 4: Major Drainage system and road connectivity in the geog.

3. NWFP AND OTHER FOREST USES

The occurrence of NWFP in the forest management area is shown in the table below, for the distribution by compartment and sub compartment refer to Annex 1 and 2. In addition the location of abundant occurrence of NWFP is indicated in the forest management map.

Table 6: Occurrence of NWFP and important Forest Uses.

NWFP	Abundant (%)	Sparse (%)	Forest Uses	Intensive (%)	Extensive (%)
Bamboo	13	9	Grazing	17	3
Cane	2	1	Shoksing	0	0
Firewood	26	24	Lopping	8	5
Daphne	12	6			

The majority of NWFP found are bamboo and Daphne where bamboo is seen abundant under the oak forest and Daphne is seen very sparse in the management area. The local people use this bamboo for roofing and fencing purposes. Lopping are seen less in the area and such practices will have no major impact for the sustainable management of the area. Grazing is carried out almost throughout the whole forest management area in the immediate vicinity of the settlements.

4. SOCIO-ECONOMIC DATA

The following villages and settlements are located in the forest management area:

Table 7: Household and population information.

Village Name	No. of Households	No. of Persons
Daga	25	79
Trashigang	18	56
Phutsa	28	109
Bachu	34	236
Cheyul	47	297
Pangtsela	19	27
Gata	12	16
Total	183	820

Source: PHCB, 2017.

The total number of population till date is approximately 820 with 183 households (PHCB,2017) in the Gewog. There are seven villages with five Chiwogs in Getena Gewog. Getena Gewog has 1 community primary school, 1 BHU, RNR center, Gewog administration office, 3 Outreach Clinics (ORC) and 9 Village Health Workers (2 female and 7 male). The livelihood of the people of Getena

Gewog is mainly depended on Agriculture and livestock rearing. The food crops such as rice, wheat, Barley, Buckwheat and sweet buckwheat are cultivated with cardamom as main cash crop. Off-farm business such as constructions, carpentry and running shops also contribute to household income generation.

5. FUTURE MANAGEMENT

5.1. Management Options

The dominating forest management option is timber use. Higher elevations are still rich in timber, but they are quite far away from the villages. The sub-compartments in the Phutsa and Bachu region require some improvement activities, mainly planting of un-stocked parts.

The distribution of management options throughout the forest management area is shown in the graph below. The management option for each individual compartment can be derived from the compartment register and from the forest management map.

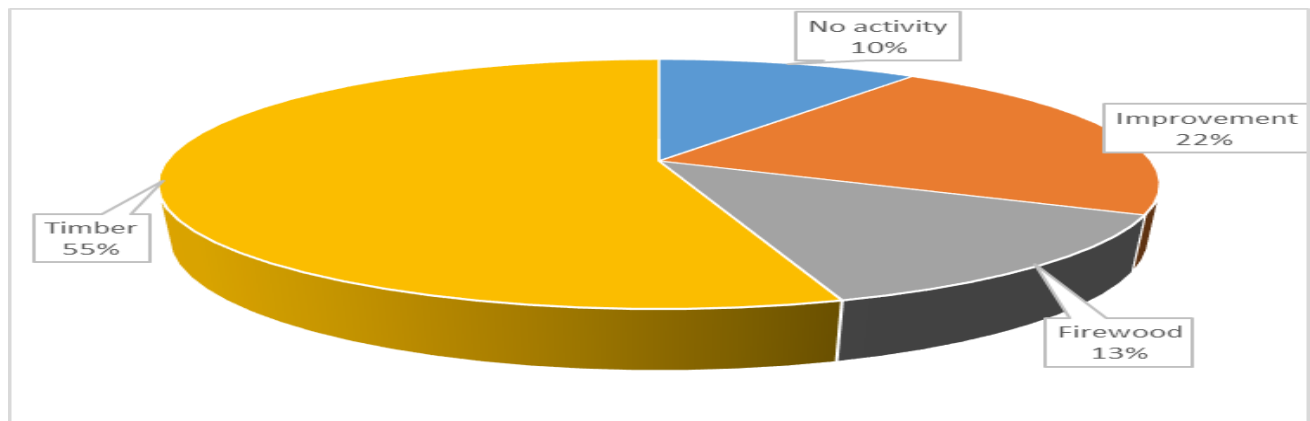


Figure 5: Forest Management option.

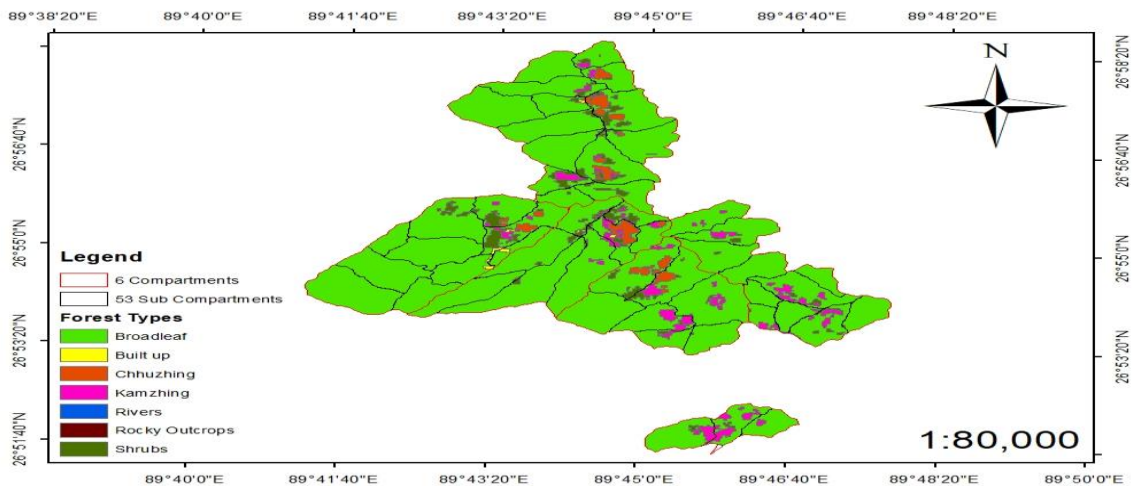


Figure 6: Compartment and Sub-compartment area map.

5.2. Tree Marking and Silviculture

Tree marking is done in accordance with the “Tree Marking Guidelines” and the “Silvicultural Guidelines” prescribed by the Department of Forests and Park Services. The silvicultural system applied is single tree selection system. The principle of negative selection is applied in all tending and thinning operations. Marking of mature trees for felling is permitted only, when the immediate vicinity is sufficiently regenerated (low grazing pressure).

Grazing shall be controlled in all over-mature forests which are in the stage of natural regeneration. Un-stocked and sparsely stocked parts shall be re-planted with principal local species (species selection according to prevalent forest type).

6. YIELD REGULATION

The sustainable annual allowable cut $AAC_{sust.}$ for the management area is calculated as follows:

$$AAC_{sust.} = \text{total standing volume} / \text{average rotation period.} = 1681 \text{ m}^3/\text{year}$$

Taking into account the forest type distribution, the average production period for the forest management area is 106 years. The total standing volume is 216830.6 m³.

The overall production potential as determined by the forest resources assessment is 177753 m³. Dividing the overall production potential by the planning period of 10 years gives the silvicultural AAC:

$$AAC_{silv.} = \text{total production potential} / 10 \text{ years} = 17775.3 \text{ m}^3/\text{year}$$

As the $AAC_{sust.}$ is lower than the $AAC_{silv.}$ the AAC is fixed at the level of the $AAC_{sust.}$

The Annual Allowable Cut for the Getena forest management area is fixed at 1681 m³.

The AAC per ha is 0.5 m³.

Taking into account the fixed AAC of 1681 m³ then the total production potential of the forest management area will be used in a period of about $177753/1681 = 106$ years. As this period is considerably longer than the planning period of 10 years, there will be no shortage in the availability of wood during the planning period.

7. DEMAND/SUPPLY ASSESSMENT

The demand for rural timber and firewood excluding Community Forests under Getena gewog was derived from the past allotment record maintained by Forest Range Office, Gedu. The current demand for forest resources is based on the average allotments from 2015-2018.

The annual timber supply potential is calculated by dividing the total production potential (in number of trees) by the number of years it will take to use up the production potential with the fixed AAC.

Table 8: Timber demand/supply scenario in number of trees.

Product	Total Production Potential	Silvicult. Annual Potential	Sustainable Annual Supply Potential*	Annual Demand	Demand - Supply
Drashing/shingleps	19640	1964.0	185.28	56	+129.28
Chams	68270	6827.0	644.06	190	+454.06
Tsims	8071	807.1	76.14	100	-23.86
Poles	2139	213.9	20.18	90	-69.82

*Remark: the total production potential divided 106 years

Table 9: Rural timber supplied to Getena Geog for last 5 years.

Year	Drashing (Nos)	Cham (Nos)	Tsim (Nos)	Dangchung (Nos)
2015	96	400	320	0
2016	170	720	720	0
2017	176	560	560	0
2018	32	0	0	0
2019	25	144	265	0

Chams and Tsim are in high demand. However, demand for Tsim and Poles cannot be met from the annual AAC of the gewog for the planning period of 10 years. There are sufficient Drashing and Chams available.

Table 10: Firewood Demand/Supply scenario in m³

Total Production Potential (Volume_{tot})	Annual Supply Potential*	Annual Demand	Demand -Supply
59292	559.36	0	+559.36

*Remark: the total production potential divided 106 years

Firewood demand is calculated in truckloads. To compare it with the supply potential it has to be converted into standing volume equivalent. The conversion factor applied is:

- 1 truckload is equivalent to 8m³ standing volume.
- For example: in 2014, 56 truckloads of firewood were allotted, and then this is equal to 56*8 = 442 m³ standing volume.

The annual supply potential is considerably higher than the average annual demand of firewood of the last 10 years. Whenever possible the firewood is in demand, deformed trees would be supply as fire-wood. However, lops and tops will be supply in free of royalty for rural use only.

Whenever possible the wood demand of one village should be allotted from the corresponding village intervention zone (compartment).

8. MONITORING

Monitoring is important for the control of the AAC. Each tree, which is marked for felling must be recorded in the tree marking book.

It is also important to:

- ❖ Ensure utilization of subsidized timber for the genuine purposes for rural house building only.
- ❖ Plan rural marking activity consistently as per the schedule duly approved by DYT, which spells rural marking activity to be carried out annually.
- ❖ Conduct rural timber utilization monitoring regularly as per the Forest and Nature Conservation Rules and Regulations, 2017.
- ❖ Maintain comprehensive data so as to facilitate monitoring efficiently.

Explanations of abbreviations used in the compartment records

All information and data indicated in the sub-compartment record are related to the operable production area only.

A	Abundant occurrence of NWFP
Bas. Area (m ² /ha)	Basal area per ha of the sub-compartment
Dbh	Diameter breast height
E	Extensive forest use
Height 0,3<1.3m	Number of trees of this height class
I	Intensive forest use
m ³	Total standing volume in m ³
N/ha	Number of trees per ha
Ntotal	Total number of trees of the sub-compartment
S	Sparse occurrence of NWFP
Volume (m ³ /ha)	Standing volume per ha of the sub-compartment
Volume conifer %	Percentage of conifers in relation to the standing volume.

Annexure 1: Compiled Results by Compartments

Area Distribution, Basal Area and No. of Sample Plots for Forest Management Area: Getena

Comp	Sub-Compartment		Area Distribution (ha)					BA (m2/ha)	No. of Plots
	No.	Name	Non Forest Area	Protection	Inoperable	Production	Total		
1	1a	Daga Tashigang 1a	5.62	2.57		50	58.19	11.6	9
1	1b	Daga Tashigang 1b		4.29		83.31	87.6	6.9	17
1	1c	Daga Tashigang 1c	7.12	4.5		97.45	109.07	11.6	15
1	1d	Daga Tashigang 1d	11.12	1.996	4.95	54.42	72.486	9.2	10
1	1e	Daga Tashigang 1e	3.58	2.82		51.55	57.95	9.1	9
1	1f	Daga Tashigang 1f		5.14	13.71	155.33	174.18	7.8	31
1	1g	Daga Tashigang 1g	2.23	3.82		122.98	129.03	3.5	15
1	1h	Daga Tashigang 1h	1.55	5.65	5.84	111.04	124.08	8.4	18
1	1n	Daga Tashigang 1n	6.37	19.18	18.32	64.11	107.98	8.6	10
2	2a	Phutsa 2a	16.87	11.29		69.09	97.25	7.1	9
2	2b	Phutsa 2b	38.15	19.85	5.36	60.07	123.43	7.8	10
2	2c	Phutsa 2c	2.48	13.49		26.05	42.02	13	2
2	2d	Phutsa 2d	8.69	44.11	94.89	106.75	254.44	11	2
2	2e	Phutsa 2e		9.73		36.43	46.16	5.8	8
2	2f	Phutsa 2f	0.05	32.76		103.25	136.06	6.4	5
2	2g	Phutsa 2g	2.55	38.17		36.99	77.71	10	4
2	2h	Phutsa 2h		66.57		71.98	138.55	15	12
2	2i	Phutsa 2i		8.94	9.39	65.72	84.05	10	12
2	2j	Phutsa 2j		78.04		100.82	178.86	2.9	17
3	3a	Bachu 3a	9.9	17.11		49.91	76.92	7.2	10
3	3b	Bachu 3b	16.63	6.25		28.78	51.66	6	5
3	3c	Bachu 3c	39.06	16.04		24.81	79.91	10	2
3	3d	Bachu 3d	5.48	3.6		39.99	49.07	4.3	7
3	3e	Bachu 3e	6.62	31.42	10.16	137.23	185.43	4.4	25
3	3f	Bachu 3f	1.8	21.36		159.56	182.72	6.8	20
3	3g	Bachu 3g	3.76	20.07	23.37	93.47	140.67	16	3
3	3h	Bachu 3h	0.7	31.35		82.34	114.39	7.8	13
4	4a	Cheyul 4a	28.16	23.33	20.33	108.43	180.25	4.2	13
4	4b	Cheyul 4b	27.82	20.12	26.82	87.18	161.94	3.8	9
4	4c	Cheyul 4c	11.37	26.96	28.11	145.23	211.67	4.2	25
4	4d	Cheyul 4d	0.25	21.15	25.29	59.02	105.71	5	8
4	4e	Cheyul 4e	4.69	9.21	4.37	39.31	57.58	4.3	8
4	4f	Cheyul 4f	18.6	7.42	20.68	70.3	117	5.5	12
4	4g	Cheyul 4g	0.0024	2.31		135.66	137.9724	10	7
5	5a	Pangtsela 5a	3.02	14.1	4.53	77.01	98.66	8.6	16
5	5b	Pangtsela 5b	10.01	19.7		78.38	108.09	8.7	15
5	5c	Pangtsela 5c	0.77	23.47		78.11	102.35	8.2	11
5	5d	Pangtsela 5d	0.26	23.47		60.08	83.81	8.4	14
5	5e	Pangtsela 5e	20.31	15.68		86.32	122.31	7.3	18
5	5f	Pangtsela 5f		11.75		31.41	43.16	15.3	3
5	5g	Pangtsela 5g		8.45		30.85	39.3	14	6
5	5h	Pangtsela 5h	1.77	9.63		41.31	52.71	7.3	6
5	5i	Pangtsela 5i	5.03	5.52		29.69	40.24	8.7	6
5	5j	Pangtsela 5j	14.87	19.18		68.97	103.02	11	12
5	5k	Pangtsela 5k	0.26	18.72		52.16	71.14	9.8	9
6	6a	Gata 6a	14.25	4.76		87.68	106.69	13.8	16
6	6b	Gata 6b	20.49	12.09	21.88	49.22	103.68	6.4	5
6	6c	Gata 6c	2.46	4.59		54.84	61.89	7	10

Comp	Sub-Compartment		Area Distribution (ha)					BA (m2/ha)	No. of Plots
	No.	Name	Non Forest Area	Protection	Inoperable	Production	Total		
1	Daga Tashigang		37.6	50.0	42.8	790.2	920.6	8.1	134.0
2	Phutsa		68.8	323.0	109.6	677.2	1178.5	8.5	81.0
3	Bachu		84.0	147.2	33.5	616.1	880.8	7.8	85.0
4	Cheyul		90.9	110.5	125.6	645.1	972.1	5.6	82.0
5	Pangtsela		56.3	169.7	4.5	634.3	864.8	9.2	116.0
6	Gata		37.2	21.4	21.9	191.7	272.3	10.0	31.0
Total per Gewog			374.7	821.7	338.0	3554.6	5089.0	8.0	529.0

Stand Data of Forest Management Area:				Getena			
Comp No.	Sub-Compartment No.	Name	Production area (ha)	Basal Area (m2/ha)	Volume (m3/ha)	Tot. Volume (m3)	V conifer (%)
1	1a	Daga Tashigang 1a	50.0	11.6	92.4	4620.0	0.0
1	1b	Daga Tashigang 1b	83.3	6.9	55.8	4648.7	0.0
1	1c	Daga Tashigang 1c	97.5	11.6	92.4	9004.4	0.0
1	1d	Daga Tashigang 1d	54.4	9.2	73.0	3972.7	0.0
1	1e	Daga Tashigang 1e	51.6	9.1	67.2	3464.2	0.0
1	1f	Daga Tashigang 1f	155.3	7.8	61.8	9599.4	0.0
1	1g	Daga Tashigang 1g	123.0	3.5	25.6	3148.3	0.0
1	1h	Daga Tashigang 1h	111.0	8.4	65.6	7284.2	0.0
1	1n	Daga Tashigang 1n	64.1	8.6	66.3	4250.5	0.0
2	2a	Phutsa 2a	69.1	7.1	51.5	3558.1	0.0
2	2b	Phutsa 2b	60.1	7.8	48.5	2913.4	0.0
2	2c	Phutsa 2c	26.1	13.0	90.0	2344.5	0.0
2	2d	Phutsa 2d	106.8	11.0	88.2	9415.4	0.0
2	2e	Phutsa 2e	36.4	5.8	45.2	1646.6	0.0
2	2f	Phutsa 2f	103.3	6.4	52.2	5389.7	0.0
2	2g	Phutsa 2g	37.0	10.0	80.7	2985.1	0.0
2	2h	Phutsa 2h	72.0	15.0	126.5	9105.5	0.0
2	2i	Phutsa 2i	65.7	10.0	79.1	5198.5	0.0
2	2j	Phutsa 2j	100.8	2.9	21.9	2208.0	0.0
3	3a	Bachu 3a	49.9	7.2	52.4	2615.3	0.0
3	3b	Bachu 3b	28.8	6.0	38.9	1119.5	0.0
3	3c	Bachu 3c	24.8	10.0	69.0	1711.9	0.0
3	3d	Bachu 3d	40.0	4.3	39.3	1571.6	0.0
3	3e	Bachu 3e	137.2	4.4	32.7	4487.4	0.0
3	3f	Bachu 3f	159.6	6.8	48.2	7690.8	0.0
3	3g	Bachu 3g	93.5	16.0	121.3	11337.9	0.0
3	3h	Bachu 3h	82.3	7.8	62.4	5138.0	0.0
4	4a	Cheyul 4a	108.4	4.2	29.4	3187.8	0.0
4	4b	Cheyul 4b	87.2	3.8	26.4	2301.6	0.0
4	4c	Cheyul 4c	145.2	4.2	30.0	4356.9	0.0
4	4d	Cheyul 4d	59.0	5.0	34.9	2059.8	0.0
4	4e	Cheyul 4e	39.3	4.3	28.8	1132.1	0.0
4	4f	Cheyul 4f	70.3	5.5	35.7	2509.7	0.0
4	4g	Cheyul 4g	135.7	10.0	76.9	10432.3	0.0
5	5a	Pangtsela 5a	77.0	8.6	70.0	5390.7	0.0
5	5b	Pangtsela 5b	78.4	8.7	71.0	5565.0	0.0
5	5c	Pangtsela 5c	78.1	8.2	67.2	5249.0	0.0
5	5d	Pangtsela 5d	60.1	8.4	68.5	4115.5	0.0
5	5e	Pangtsela 5e	86.3	7.3	60.5	5222.4	0.0
5	5f	Pangtsela 5f	31.4	15.3	120.3	3778.6	0.0
5	5g	Pangtsela 5g	30.9	14.0	108.9	3359.6	0.0
5	5h	Pangtsela 5h	41.3	7.3	57.1	2358.8	0.0
5	5i	Pangtsela 5i	29.7	8.7	71.1	2111.0	0.0
5	5j	Pangtsela 5j	69.0	11.0	85.7	5910.7	0.0
5	5k	Pangtsela 5k	52.2	9.8	77.1	4021.5	0.0
6	6a	Gata 6a	87.7	13.8	117.4	10293.6	0.0
6	6b	Gata 6b	49.2	6.4	32.6	1604.6	0.0
6	6c	Gata 6c	54.8	7.0	56.1	3076.5	0.0

Compartment		Production area (ha)	Basal Area (m2/ha)	Volume (m3/ha)	Tot. Volume (m3)	V conifer (%)
1	Daga Tashigang	790.2	8.1	63.3	49992.3	0.0
2	Phutsa	677.2	8.5	66.1	44764.6	0.0
3	Bachu	616.1	7.8	57.9	35672.5	0.0
4	Cheyul	645.1	5.6	40.3	25980.2	0.0
5	Pangtsela	634.3	9.2	74.2	47082.7	0.0
6	Gata	191.7	10.0	78.1	14974.7	0.0
Total per Gewog		3554.6	8.0	61.5	218467.0	0.0

Forest Type Distribution in Forest Management Area of: Getena

Comp	Sub-Compartment		Prod. Area (ha)	Forest Type Distribution (in ha)								Total
	No.	Name		Hemlock	Fir	Spruce	Mix. Con.	Bluepine	Chirpine	Hardwood	Mixed HC	
1	1a	Daga Tashigang 1a	50							50.0		
1	1b	Daga Tashigang 1b	83.31							83.3		
1	1c	Daga Tashigang 1c	97.45							97.5		
1	1d	Daga Tashigang 1d	54.42							54.4		
1	1e	Daga Tashigang 1e	51.55							51.6		
1	1f	Daga Tashigang 1f	155.33							155.3		
1	1g	Daga Tashigang 1g	122.98							123.0		
1	1h	Daga Tashigang 1h	111.04							111.0		
1	1n	Daga Tashigang 1n	64.11							64.1		
2	2a	Phutsa 2a	69.09							69.1		7.6
2	2b	Phutsa 2b	60.07							60.1		6.0
2	2c	Phutsa 2c	26.05							26.1		
2	2d	Phutsa 2d	106.75							106.8		
2	2e	Phutsa 2e	36.43							36.4		
2	2f	Phutsa 2f	103.25							103.3		
2	2g	Phutsa 2g	36.99							37.0		
2	2h	Phutsa 2h	71.98							72.0		
2	2i	Phutsa 2i	65.72							65.7		5.3
2	2j	Phutsa 2j	100.82							100.8		
3	3a	Bachu 3a	49.91							49.9		5.0
3	3b	Bachu 3b	28.78							28.8		
3	3c	Bachu 3c	24.81							24.8		
3	3d	Bachu 3d	39.99							40.0		
3	3e	Bachu 3e	137.23							137.2		16.5
3	3f	Bachu 3f	159.56							159.6		16.0
3	3g	Bachu 3g	93.47							93.5		
3	3h	Bachu 3h	82.34							82.3		6.6
4	4a	Cheyul 4a	108.43							108.4		
4	4b	Cheyul 4b	87.18							87.2		9.6
4	4c	Cheyul 4c	145.23							145.2		17.4
4	4d	Cheyul 4d	59.02							59.0		
4	4e	Cheyul 4e	39.31							39.3		5.1
4	4f	Cheyul 4f	70.3							70.3		12.0
4	4g	Cheyul 4g	135.66							135.7		
5	5a	Pangtsela 5a	77.01							77.0		
5	5b	Pangtsela 5b	78.38							78.4		
5	5c	Pangtsela 5c	78.11							78.1		
5	5d	Pangtsela 5d	60.08							60.1		
5	5e	Pangtsela 5e	86.32							86.3		
5	5f	Pangtsela 5f	31.41							31.4		
5	5g	Pangtsela 5g	30.85							30.9		
5	5h	Pangtsela 5h	41.31							41.3		
5	5i	Pangtsela 5i	29.69							29.7		
5	5j	Pangtsela 5j	68.97							69.0		
5	5k	Pangtsela 5k	52.16							52.2		
6	6a	Gata 6a	87.68							87.7		
6	6b	Gata 6b	49.22							49.2		19.7
6	6c	Gata 6c	54.84							54.8		

Compartment	Prod. Area (ha)	Forest Type Distribution (in ha)								Total	
		Hemlock	Fir	Spruce	Mix. Con.	Bluepine	Chirpine	Hardwood	Mixed HC		
1 Daga Tashigang	790.2	0	0	0	0	0	0	0	100%	0	100%
2 Phutsa	677.2	0	0	0	0	0	0	0	100%	0	100%
3 Bachu	616.1	0	0	0	0	0	0	0	100%	0	100%
4 Cheyul	645.1	0	0	0	0	0	0	0	100%	0	100%
5 Pangtsela	634.3	0	0	0	0	0	0	0	100%	0	100%
6 Gata	191.7	0	0	0	0	0	0	0	100%	0	100%
Total per Gewog	3554.6	0	0	0	0	0	0	0	100%	0	100%

Canopy Closure and Condition of Forest Management Area of: Getena

Comp No.	Sub-Compartment No. Name	Prod. Area (ha)	Canopy closure (ha)					Condition (ha)				
			dense	closed	open	unstocked	Total	good	average	poor	Total	
1	1a	Daga Tashigang	50		50.0			50.0	33.5	16.5		50.0
1	1b	Daga Tashigang	83.31		68.3	15.0		83.3	49.2	34.2		83.3
1	1c	Daga Tashigang	97.45		28.3	69.2		97.5	28.3	69.2		97.5
1	1d	Daga Tashigang	54.42		54.4			54.4	32.7	21.8		54.4
1	1e	Daga Tashigang	51.55		51.6			51.6	17.0	34.5		51.6
1	1f	Daga Tashigang	155.33		155.3			155.3	54.4	101.0		155.3
1	1g	Daga Tashigang	122.98		82.4	40.6		123.0	82.4	40.6		123.0
1	1h	Daga Tashigang	111.04		111.0			111.0	24.4	86.6		111.0
1	1n	Daga Tashigang	64.11		51.3	12.8		64.1	19.2	44.9		64.1
2	2a	Phutsa 2a	69.09	7.6	53.9	7.6		69.1	46.3	22.8		69.1
2	2b	Phutsa 2b	60.07	18.0	30.0	12.0		60.1	30.0	30.0		60.1
2	2c	Phutsa 2c	26.05		26.1			26.1		26.1		26.1
2	2d	Phutsa 2d	106.75		106.8			106.8		106.8		106.8
2	2e	Phutsa 2e	36.43	9.1	27.3			36.4	9.1	27.3		36.4
2	2f	Phutsa 2f	103.25		103.3			103.3		103.3		103.3
2	2g	Phutsa 2g	36.99		37.0			37.0	37.0			37.0
2	2h	Phutsa 2h	71.98		36.0	36.0		72.0		59.7	12.2	72.0
2	2i	Phutsa 2i	65.72		44.0	21.7		65.7		65.7		65.7
2	2j	Phutsa 2j	100.82		41.3	59.5		100.8		100.8		100.8
3	3a	Bachu 3a	49.91	5.0	29.9	15.0		49.9	5.0	44.9		49.9
3	3b	Bachu 3b	28.78	5.8	23.0			28.8		28.8		28.8
3	3c	Bachu 3c	24.81		24.8			24.8	24.8			24.8
3	3d	Bachu 3d	39.99		22.8	17.2		40.0		40.0		40.0
3	3e	Bachu 3e	137.23	43.9	82.3	11.0		137.2	60.4	76.8		137.2
3	3f	Bachu 3f	159.56	39.9	119.7			159.6	55.8	103.7		159.6
3	3g	Bachu 3g	93.47		62.6	30.8		93.5		93.5		93.5
3	3h	Bachu 3h	82.34	12.4	70.0			82.3	25.5	56.8		82.3
4	4a	Cheyul 4a	108.43		83.5	24.9		108.4	33.6	74.8		108.4
4	4b	Cheyul 4b	87.18		28.8	58.4		87.2		87.2		87.2
4	4c	Cheyul 4c	145.23	17.4	75.5	46.5	5.8	145.2	29.0	92.9	23.2	145.2
4	4d	Cheyul 4d	59.02		22.4	22.4	14.2	59.0		59.0		59.0
4	4e	Cheyul 4e	39.31		24.8	9.8	5.1	39.7	5.1	29.5	5.1	39.7
4	4f	Cheyul 4f	70.3	5.6	40.8	17.6	5.6	69.6		70.3		70.3
4	4g	Cheyul 4g	135.66	39.3	77.3	19.0		135.7		135.7		135.7
5	5a	Pangtsela 5a	77.01		77.0			77.0	29.3	48.5		77.8
5	5b	Pangtsela 5b	78.38	62.7	15.7			78.4		78.4		78.4
5	5c	Pangtsela 5c	78.11		78.1			78.1	7.0	71.1		78.1
5	5d	Pangtsela 5d	60.08		60.1			60.1	12.6	47.5		60.1
5	5e	Pangtsela 5e	86.32		62.2	24.2		86.3		62.2	24.2	86.3
5	5f	Pangtsela 5f	31.41		31.4			31.4		31.4		31.4
5	5g	Pangtsela 5g	30.85		30.9			30.9		30.9		30.9
5	5h	Pangtsela 5h	41.31		13.6	27.7		41.3		13.6	27.7	41.3
5	5i	Pangtsela 5i	29.69		5.0	19.9	4.8	29.7		29.7		29.7
5	5j	Pangtsela 5j	68.97		69.0			69.0	17.2	51.7		69.0
5	5k	Pangtsela 5k	52.16		29.2	23.0		52.2	5.7	46.4		52.2
6	6a	Gata 6a	87.68		87.7			87.7	27.2	60.5		87.7
6	6b	Gata 6b	49.22			39.4	9.8	49.2		39.4	9.8	49.2
6	6c	Gata 6c	54.84		38.4	16.5		54.8		16.5	38.4	54.8

Compartment	Prod. Area (ha)	Canopy closure (ha)					Condition (ha)			
		dense	closed	open	unstocked	Total	good	average	poor	Total
1 Daga Tashigang	790.19	0%	83%	17%	0%	100%	43%	57%	0%	100%
2 Phutsa	677.15	5%	75%	20%	0%	100%	18%	80%	2%	100%
3 Bachu	616.09	17%	71%	12%	0%	100%	28%	72%	0%	100%
4 Cheyul	645.13	10%	55%	31%	5%	100%	11%	85%	4%	100%
5 Pangtsela	634.29	10%	74%	15%	1%	100%	11%	81%	8%	100%
6 Gata	191.74	0%	66%	29%	5%	100%	14%	61%	25%	100%
Total per Gewog	3554.59	8%	72%	20%	1%	100%	23%	74%	4%	100%

Age Distribution and Stand Types in Forest Management Area of: Getena

Comp No.	Sub-Compartment		Prod. Area (ha)	Age distribution					Stand type distribution			
	No.	Name		young	immature	mature	overmature	Total	plantation	natural	coopice	Total
1	1a	Daga Tashigang	50			50.0		50.0		50.0		50.0
1	1b	Daga Tashigang	83.31			83.3		83.3		83.3		83.3
1	1c	Daga Tashigang	97.45			97.5		97.5		97.5		97.5
1	1d	Daga Tashigang	54.42		5.4	49.0		54.4		54.4		54.4
1	1e	Daga Tashigang	51.55			51.6		51.6		51.6		51.6
1	1f	Daga Tashigang	155.33			155.3		155.3		155.3		155.3
1	1g	Daga Tashigang	122.98		40.6	82.4		123.0		123.0		123.0
1	1h	Daga Tashigang	111.04			111.0		111.0		111.0		111.0
1	1n	Daga Tashigang	64.11			64.1		64.1		64.1		64.1
2	2a	Phutsa 2a	69.09	7.6	7.6	53.9		69.1		69.1		69.1
2	2b	Phutsa 2b	60.07	6.0		48.1	6.0	60.1		60.1		60.1
2	2c	Phutsa 2c	26.05		13.0	13.0		26.1		26.1		26.1
2	2d	Phutsa 2d	106.75			106.8		106.8		106.8		106.8
2	2e	Phutsa 2e	36.43		4.4	18.2	13.8	36.4		36.4		36.4
2	2f	Phutsa 2f	103.25			103.3		103.3		103.3		103.3
2	2g	Phutsa 2g	36.99			37.0		37.0		37.0		37.0
2	2h	Phutsa 2h	71.98			72.0		72.0		72.0		72.0
2	2i	Phutsa 2i	65.72	5.3	11.2	49.3		65.7		65.7		65.7
2	2j	Phutsa 2j	100.82		41.3	59.5		100.8		100.8		100.8
3	3a	Bachu 3a	49.91	5.0	5.0	29.9	10.0	49.9		49.9		49.9
3	3b	Bachu 3b	28.78		5.8	23.0		28.8		28.8		28.8
3	3c	Bachu 3c	24.81			24.8		24.8		24.8		24.8
3	3d	Bachu 3d	39.99		11.6	28.4		40.0		40.0		40.0
3	3e	Bachu 3e	137.23	16.5	43.9	76.8		137.2		137.2		137.2
3	3f	Bachu 3f	159.56	16.0	31.9	111.7		159.6		159.6		159.6
3	3g	Bachu 3g	93.47			93.5		93.5		93.5		93.5
3	3h	Bachu 3h	82.34	6.6	12.4	63.4		82.3		82.3		82.3
4	4a	Cheyul 4a	108.43		67.2	41.2		108.4		108.4		108.4
4	4b	Cheyul 4b	87.18	9.6	28.8	48.8		87.2		87.2		87.2
4	4c	Cheyul 4c	145.23	17.4	69.7	58.1		145.2		145.2		145.2
4	4d	Cheyul 4d	59.02		22.4	36.6		59.0		59.0		59.0
4	4e	Cheyul 4e	39.31	5.1	29.5	4.7		39.3		39.3		39.3
4	4f	Cheyul 4f	70.3	12.0	40.8	17.6		70.3		70.3		70.3
4	4g	Cheyul 4g	135.66		19.0	96.3	19.0	134.3		135.7		135.7
5	5a	Pangtsela 5a	77.01			77.0		77.0		77.0		77.0
5	5b	Pangtsela 5b	78.38			78.4		78.4		78.4		78.4
5	5c	Pangtsela 5c	78.11			78.1		78.1		78.1		78.1
5	5d	Pangtsela 5d	60.08			60.1		60.1		60.1		60.1
5	5e	Pangtsela 5e	86.32		86.3			86.3		86.3		86.3
5	5f	Pangtsela 5f	31.41			31.4		31.4		31.4		31.4
5	5g	Pangtsela 5g	30.85			30.9		30.9		30.9		30.9
5	5h	Pangtsela 5h	41.31			41.3		41.3		41.3		41.3
5	5i	Pangtsela 5i	29.69			29.7		29.7		29.7		29.7
5	5j	Pangtsela 5j	68.97			69.0		69.0		69.0		69.0
5	5k	Pangtsela 5k	52.16			52.2		52.2		52.2		52.2
6	6a	Gata 6a	87.68			87.7		87.7		87.7		87.7
6	6b	Gata 6b	49.22	19.7	19.7	9.8		49.2		49.2		49.2
6	6c	Gata 6c	54.84			54.8		54.8		54.8		54.8

Compartment	Prod. Area (ha)	Age distribution					Total	Stand type distribution			
		young	immature	mature	overmature	plantation		natural	coopice	Total	
1 Daga Tashigang	790.2	0%	6%	94%	0%	100%	0%	100%	0%	100%	
2 Phutsa	677.2	3%	11%	83%	3%	100%	0%	100%	0%	100%	
3 Bachu	616.1	7%	18%	73%	2%	100%	0%	100%	0%	100%	
4 Cheyul	645.1	7%	43%	47%	3%	100%	0%	100%	0%	100%	
5 Pangtsela	634.3	0%	14%	86%	0%	100%	0%	100%	0%	100%	
6 Gata	191.7	10%	10%	79%	0%	100%	0%	100%	0%	100%	
Total per Gewog	3554.6	4%	17%	78%	1%	100%	0%	100%	0%	100%	

Forest Management Area of: Getena

Comp No.	Sub-Compartment		Prod. Area (ha)	Slope (in ha)			Erosiveness (in ha)			Soil Cover (in ha)		
	No.	Name		gentle	moderate	steep	stable	moderate	unstable	high	moderate	low
1	1a	Daga Tashigang	50		50.0			50.0			50.0	
1	1b	Daga Tashigang	83.31		83.3			83.3			83.3	
1	1c	Daga Tashigang	97.45		97.5			97.5			97.5	
1	1d	Daga Tashigang	54.42		54.4			54.4			54.4	
1	1e	Daga Tashigang	51.55		51.6			51.6			51.6	
1	1f	Daga Tashigang	155.33		155.3			155.3			155.3	
1	1g	Daga Tashigang	122.98	24.6	89.8	8.6	40.6	82.4			98.4	24.6
1	1h	Daga Tashigang	111.04		111.0			111.0			111.0	
1	1n	Daga Tashigang	64.11		64.1			64.1			64.1	
2	2a	Phutsa 2a	69.09	22.8	38.7	7.6	22.8	38.7	7.6	15.2	46.3	7.6
2	2b	Phutsa 2b	60.07	6.0	42.0	12.0		54.1	6.0	6.0	48.1	6.0
2	2c	Phutsa 2c	26.05		26.1			26.1		13.0	13.0	
2	2d	Phutsa 2d	106.75		106.8			106.8			106.8	
2	2e	Phutsa 2e	36.43	9.1	27.3		9.1	27.3		4.4	32.1	
2	2f	Phutsa 2f	103.25		103.3			103.3			103.3	
2	2g	Phutsa 2g	36.99		37.0			37.0			37.0	
2	2h	Phutsa 2h	71.98		72.0			72.0			72.0	
2	2i	Phutsa 2i	65.72	16.4	44.0	5.3	11.2	49.3	5.3	11.2	49.3	5.3
2	2j	Phutsa 2j	100.82		100.8			100.8			100.8	
3	3a	Bachu 3a	49.91	10.0	34.9	5.0	15.0	34.9		10.0	39.9	
3	3b	Bachu 3b	28.78	5.8	23.0			28.8		5.8	23.0	
3	3c	Bachu 3c	24.81		24.8			24.8			24.8	
3	3d	Bachu 3d	39.99	11.6	28.4		11.6	28.4		11.6	28.4	
3	3e	Bachu 3e	137.23	54.9	82.3		65.9	71.4		38.4	98.8	
3	3f	Bachu 3f	159.56	47.9	111.7		47.9	111.7		31.9	127.6	
3	3g	Bachu 3g	93.47		93.5			93.5			93.5	
3	3h	Bachu 3h	82.34	25.5	56.8		18.9	63.4		18.9	63.4	
4	4a	Cheyul 4a	108.43	8.7	92.2	8.7		99.8	8.7		108.4	
4	4b	Cheyul 4b	87.18		68.0	19.2	9.6	68.0	9.6		68.0	19.2
4	4c	Cheyul 4c	145.23	29.0	92.9	23.2	17.4	110.4	17.4	52.3	87.1	5.8
4	4d	Cheyul 4d	59.02	14.8	37.2	7.1	14.8	37.2	7.1	7.7	44.3	7.1
4	4e	Cheyul 4e	39.31	5.1	29.5	5.1	5.1	29.5	5.1	9.8	24.8	5.1
4	4f	Cheyul 4f	70.3	12.0	58.3		5.6	64.7		12.0	52.7	5.6
4	4g	Cheyul 4g	135.66	39.3	96.3		39.3	96.3		39.3	96.3	
5	5a	Pangtsela 5a	77.01		77.0			77.0			77.0	
5	5b	Pangtsela 5b	78.38		78.4			78.4			78.4	
5	5c	Pangtsela 5c	78.11		78.1			78.1			78.1	
5	5d	Pangtsela 5d	60.08		60.1			60.1			60.1	
5	5e	Pangtsela 5e	86.32		86.3			86.3			86.3	
5	5f	Pangtsela 5f	31.41		31.4			31.4			31.4	
5	5g	Pangtsela 5g	30.85		30.9			30.9			30.9	
5	5h	Pangtsela 5h	41.31		41.3			41.3			41.3	
5	5i	Pangtsela 5i	29.69		29.7			29.7			29.7	
5	5j	Pangtsela 5j	68.97		69.0			69.0			69.0	
5	5k	Pangtsela 5k	52.16		52.2			52.2			52.2	
6	6a	Gata 6a	87.68		87.7			87.7			87.7	
6	6b	Gata 6b	49.22	9.8	29.5	9.8	9.8	29.5	9.8	9.8	29.5	9.8
6	6c	Gata 6c	54.84		54.8			54.8			54.8	

Compartment	Prod. Area (ha)	Slope (in ha)			Erosiveness (in ha)			Soil Cover (in ha)		
		gentle	moderate	steep	stable	moderate	unstable	high	moderate	low
1 Daga Tashig	790.2	3%	96%	1%	5%	95%	0%	0%	97%	3%
2 Phutsa	677.2	8%	88%	4%	6%	91%	3%	7%	90%	3%
3 Bachu	616.1	25%	74%	1%	26%	74%	0%	19%	81%	0%
4 Cheyul	645.1	17%	74%	10%	14%	78%	7%	19%	75%	7%
5 Pangtsela	634.3	0%	100%	0%	0%	100%	0%	0%	100%	0%
6 Gata	191.7	5%	90%	5%	5%	90%	5%	5%	90%	5%
Total per Gewog	3554.6	10%	87%	3%	10%	88%	2%	8%	89%	3%

Distribution of Management Options for Forest Management Area of: **Getena**

Com p No.	Sub-Compartment No. Name	Prod. Area (ha)	Management Option (in ha)						
			No activity	Improvement	Timber	Firewood	Silvopast.	Shokshing	
1	1a	Daga Tashigang 1a	50	0.0	0.0	5.6	0.0	0.0	0.0
1	1b	Daga Tashigang 1b	83.31	83.3	0.0	0.0	0.0	0.0	0.0
1	1c	Daga Tashigang 1c	97.45	0.0	26.0	65.0	0.0	0.0	0.0
1	1d	Daga Tashigang 1d	54.42	0.0	0.0	0.0	6.1	0.0	0.0
1	1e	Daga Tashigang 1e	51.55	0.0	0.0	11.5	0.0	0.0	0.0
1	1f	Daga Tashigang 1f	155.33	0.0	62.1	0.0	0.0	0.0	0.0
1	1g	Daga Tashigang 1g	122.98	0.0	32.8	65.6	24.6	0.0	0.0
1	1h	Daga Tashigang 1h	111.04	0.0	0.0	17.5	11.7	0.0	0.0
1	1n	Daga Tashigang 1n	64.11	0.0	9.2	27.5	9.2	0.0	0.0
2	2a	Phutsa 2a	69.09	0.0	0.0	23.0	7.7	0.0	0.0
2	2b	Phutsa 2b	60.07	0.0	0.0	16.4	10.9	0.0	0.0
2	2c	Phutsa 2c	26.05	0.0	0.0	13.0	0.0	0.0	0.0
2	2d	Phutsa 2d	106.75	0.0	0.0	5.9	5.9	0.0	0.0
2	2e	Phutsa 2e	36.43	0.0	0.0	13.7	4.6	0.0	0.0
2	2f	Phutsa 2f	103.25	0.0	0.0	41.3	20.7	0.0	0.0
2	2g	Phutsa 2g	36.99	0.0	0.0	18.5	9.2	0.0	0.0
2	2h	Phutsa 2h	71.98	0.0	6.0	12.0	0.0	0.0	0.0
2	2i	Phutsa 2i	65.72	0.0	0.0	9.4	9.4	0.0	0.0
2	2j	Phutsa 2j	100.82	0.0	5.9	5.9	17.8	0.0	0.0
3	3a	Bachu 3a	49.91	0.0	5.0	10.0	5.0	0.0	0.0
3	3b	Bachu 3b	28.78	0.0	0.0	11.5	5.8	0.0	0.0
3	3c	Bachu 3c	24.81	0.0	0.0	12.4	0.0	0.0	0.0
3	3d	Bachu 3d	39.99	0.0	0.0	5.7	0.0	0.0	0.0
3	3e	Bachu 3e	137.23	0.0	0.0	45.7	0.0	0.0	0.0
3	3f	Bachu 3f	159.56	0.0	31.9	55.8	0.0	0.0	0.0
3	3g	Bachu 3g	93.47	0.0	0.0	46.8	0.0	0.0	0.0
3	3h	Bachu 3h	82.34	0.0	12.7	19.0	0.0	0.0	0.0
4	4a	Cheyul 4a	108.43	0.0	27.1	47.4	0.0	0.0	0.0
4	4b	Cheyul 4b	87.18	0.0	46.9	13.4	0.0	0.0	0.0
4	4c	Cheyul 4c	145.23	0.0	4.7	23.4	9.4	0.0	0.0
4	4d	Cheyul 4d	59.02	0.0	12.6	16.9	4.2	0.0	0.0
4	4e	Cheyul 4e	39.31	0.0	8.7	13.1	4.4	0.0	0.0
4	4f	Cheyul 4f	70.3	0.0	10.9	38.1	5.4	0.0	0.0
4	4g	Cheyul 4g	135.66	0.0	0.0	96.9	38.8	0.0	0.0
5	5a	Pangtsela 5a	77.01	0.0	0.0	13.6	9.1	0.0	0.0
5	5b	Pangtsela 5b	78.38	0.0	0.0	52.3	0.0	0.0	0.0
5	5c	Pangtsela 5c	78.11	0.0	0.0	28.4	0.0	0.0	0.0
5	5d	Pangtsela 5d	60.08	0.0	0.0	17.2	0.0	0.0	0.0
5	5e	Pangtsela 5e	86.32	0.0	0.0	24.0	0.0	0.0	0.0
5	5f	Pangtsela 5f	31.41	31.4	0.0	0.0	0.0	0.0	0.0
5	5g	Pangtsela 5g	30.85	0.0	15.4	0.0	0.0	0.0	0.0
5	5h	Pangtsela 5h	41.31	0.0	13.8	0.0	0.0	0.0	0.0
5	5i	Pangtsela 5i	29.69	0.0	0.0	9.9	0.0	0.0	0.0
5	5j	Pangtsela 5j	68.97	69.0	0.0	0.0	0.0	0.0	0.0
5	5k	Pangtsela 5k	52.16	0.0	0.0	17.4	0.0	0.0	0.0
6	6a	Gata 6a	87.68	0.0	0.0	32.9	21.9	0.0	0.0
6	6b	Gata 6b	49.22	0.0	27.3	0.0	0.0	0.0	0.0
6	6c	Gata 6c	54.84	0.0	38.4	0.0	0.0	0.0	0.0

Compartment	Prod. Area (ha)	Management Option (in ha)					
		No activity	Improvement	Timber	Firewood	Silvopast.	Shokshing
1 Daga Tash	790.2	83.3	130.1	192.7	51.6	0	0
2 Phutsa	677.2	0	11.9	159.1	86.2	0	0
3 Bachu	616.1	0	49.6	206.9	10.8	0	0
4 Cheyul	645.1	0	110.9	249.2	62.2	0	0
5 Pangtsela	634.3	100.4	29.2	162.8	9.1	0	0
6 Gata	191.7	0	65.7	32.9	21.9	0	0
Total per Gewog	3554.6	183.7	397.4	1003.6	241.8	0	0

Production Potential of Forest Management Area: Getena														
Comp No.	Sub-Compartment No. Name	Prod. Area (ha)	Volume (m3/ha)	harv. Volume (m3/ha)	Extract. Rate	Timber (Total Volume m3)				Firewood (Total Volume m3)				
						Drashing	Cham	Tsim	Poles, posts	> 49cm	30-49cm	20-29 cm	10-19 cm	
1	1a	Daga Tashigang 1a	50.0	92.4	4105.0	88.9%	3035	775	0	0	295	0	0	0
1	1b	Daga Tashigang 1b	83.3	55.8	4409.0	94.8%	704	760	0	0	2137	808	0	0
1	1c	Daga Tashigang 1c	97.5	92.4	6343.0	70.4%	754	2317	0	0	1862	1410	0	0
1	1d	Daga Tashigang 1d	54.4	73.0	4211.0	106.0%	1527	952	0	0	1066	666	0	0
1	1e	Daga Tashigang 1e	51.6	67.2	2912.0	84.1%	380	1221	0	0	1045	266	0	0
1	1f	Daga Tashigang 1f	155.3	61.8	9492.0	98.9%	2428	2809	0	0	2569	1686	0	0
1	1g	Daga Tashigang 1g	123.0	25.6	2629.0	83.5%	0	779	0	0	597	938	315	0
1	1h	Daga Tashigang 1h	111.0	65.6	6257.0	85.9%	1003	4049	0	0	1205	0	0	0
1	1n	Daga Tashigang 1n	64.1	66.3	2365.0	55.6%	697	1177	0	0	491	0	0	0
2	2a	Phutsa 2a	69.1	51.5	3555.0	99.9%	142	1291	437	0	509	1176	0	0
2	2b	Phutsa 2b	60.1	48.5	2453.0	84.2%	0	1239	482	87	0	223	422	0
2	2c	Phutsa 2c	26.1	90.0	2139.0	91.2%	0	0	0	0	648	1491	0	0
2	2d	Phutsa 2d	106.8	88.2	899.0	9.5%	218	405	0	0	0	276	0	0
2	2e	Phutsa 2e	36.4	45.2	1099.0	66.7%	164	819	116	0	0	0	0	0
2	2f	Phutsa 2f	103.3	52.2	5387.0	100.0%	1832	2786	0	0	0	769	0	0
2	2g	Phutsa 2g	37.0	80.7	2479.0	83.0%	704	1013	0	0	187	575	0	0
2	2h	Phutsa 2h	72.0	126.5	9115.0	100.1%	2026	5466	0	0	0	1623	0	0
2	2i	Phutsa 2i	65.7	79.1	3329.0	64.0%	637	1439	0	0	1098	155	0	0
2	2j	Phutsa 2j	100.8	21.9	2071.0	93.8%	513	673	65	0	120	700	0	0
3	3a	Bachu 3a	49.9	52.4	2019.0	77.2%	710	1309	0	0	0	0	0	0
3	3b	Bachu 3b	28.8	38.9	511.0	45.6%	0	291	0	0	0	169	0	51
3	3c	Bachu 3c	24.8	69.0	1525.0	89.1%	0	1251	274	0	0	0	0	0
3	3d	Bachu 3d	40.0	39.3	962.0	61.2%	0	962	0	0	0	0	0	0
3	3e	Bachu 3e	137.2	32.7	3519.0	78.4%	704	1968	233	0	0	493	121	0
3	3f	Bachu 3f	159.6	48.2	6904.0	89.8%	1135	4276	639	63	0	541	250	0
3	3g	Bachu 3g	93.5	121.3	8505.0	75.0%	2749	5756	0	0	0	0	0	0
3	3h	Bachu 3h	82.3	62.4	4620.0	89.9%	1194	2553	0	0	261	612	0	0
4	4a	Cheyul 4a	108.4	29.4	2475.0	77.6%	0	790	0	0	0	1535	150	0
4	4b	Cheyul 4b	87.2	26.4	1486.0	64.6%	111	416	0	0	124	761	74	0
4	4c	Cheyul 4c	145.2	30.0	3101.0	71.2%	473	1235	0	0	85	1308	0	0
4	4d	Cheyul 4d	59.0	34.9	1016.0	49.3%	70	380	0	0	0	566	0	0
4	4e	Cheyul 4e	39.3	28.8	869.0	76.8%	0	0	0	0	724	0	145	0
4	4f	Cheyul 4f	70.3	35.7	1050.0	41.8%	0	0	0	0	90	960	0	0
4	4g	Cheyul 4g	135.7	76.9	8716.0	83.5%	3232	902	0	0	1697	2885	0	0
5	5a	Pangtsela 5a	77.0	70.0	4662.0	86.5%	1312	2491	0	0	859	0	0	0
5	5b	Pangtsela 5b	78.4	71.0	5007.0	90.0%	1436	1076	0	0	2252	243	0	0
5	5c	Pangtsela 5c	78.1	67.2	4994.0	95.1%	1284	1001	0	0	2709	0	0	0
5	5d	Pangtsela 5d	60.1	68.5	3516.0	85.4%	1174	1470	0	0	672	200	0	0
5	5e	Pangtsela 5e	86.3	60.5	5225.0	100.1%	1729	1687	0	0	1512	297	0	0
5	5f	Pangtsela 5f	31.4	120.3	3234.0	85.6%	1268	1429	0	0	537	0	0	0
5	5g	Pangtsela 5g	30.9	108.9	2841.0	84.6%	1210	1186	0	0	365	80	0	0
5	5h	Pangtsela 5h	41.3	57.1	2172.0	92.1%	343	1301	0	0	114	414	0	0
5	5i	Pangtsela 5i	29.7	71.1	2112.0	100.0%	507	1139	0	0	82	384	0	0
5	5j	Pangtsela 5j	69.0	85.7	5469.0	92.5%	858	2640	0	0	1180	791	0	0
5	5k	Pangtsela 5k	52.2	77.1	3203.0	79.6%	767	1823	0	0	613	0	0	0
6	6a	Gata 6a	87.7	117.4	9544.0	92.7%	3045	2608	0	0	3530	361	0	0
6	6b	Gata 6b	49.2	32.6	319.0	19.9%	0	170	0	0	0	149	0	0
6	6c	Gata 6c	54.8	56.1	2928.0	95.2%	567	1343	0	0	577	441	0	0
0	0		0	0.0	0.0	0.0%	0	0	0	0	0	0	0	0

Total per Compartment													
Compartment	Prod. Area (ha)	Volume (m3/ha)	harv. Volume (m3/ha)	Extract. Rate	Timber (Total Volume m3)				Firewood (Total Volume m3)				
					Drashing	Cham	Tsim	Poles, posts	> 49cm	30-49cm	20-29 cm	10-19 cm	
1	Daga Tash	790.2	63.3	42723.0	85%	10528.0	14839.0	0.0	0.0	11267.0	5774.0	315.0	0.0
2	Phutsa	677.2	66.1	32526.0	73%	6236.0	15131.0	1100.0	87.0	2562.0	6988.0	422.0	0.0
3	Bachu	616.1	57.9	28565.0	80%	6492.0	18366.0	1146.0	63.0	261.0	1815.0	371.0	51.0
4	Cheyul	645.1	40.3	18713.0	72%	3886.0	3723.0	0.0	0.0	2720.0	8015.0	369.0	0.0
5	Pangtsela	634.3	74.2	42435.0	90%	11888.0	17243.0	0.0	0.0	10895.0	2409.0	0.0	0.0
6	Gata	191.7	78.1	12791.0	85%	3612.0	4121.0	0.0	0.0	4107.0	951.0	0.0	0.0
Total per Gewc		3554.6	379.9	177753.0	81%	42642.0	73423.0	2246.0	150.0	31812.0	25952.0	1477.0	51.0

Production Potential of Forest Management Are Getena

Comp No.	Sub-Compartment No. Name	Prod. Area (ha)	BA (m2/ha)	BAextr. (m2/ha)	Extract. Rate	Timber (N total)				Firewood (N total)				
						Drashing	Cham	Tsim	Poles, posts	> 49cm	30-49cm	20-29 cm	10-19 cm	
1	1a	Daga Tashigang 1a	50.0	11.6	12.9	111.1%	1364	629			105			
1	1b	Daga Tashigang 1b	83.3	6.9	7.2	103.6%	248	616			838	799		
1	1c	Daga Tashigang 1c	97.5	11.6	8.9	76.7%	383	1879			883	1144		
1	1d	Daga Tashigang 1d	54.4	9.2	11.6	126.6%	775	772			443	540		
1	1e	Daga Tashigang 1e	51.6	9.1	8.6	94.6%	193	1102			530	216		
1	1f	Daga Tashigang 1f	155.3	7.8	8.6	110.9%	1183	2278			1117	1367		
1	1g	Daga Tashigang 1g	123.0	3.5	3.0	86.5%		686			237	1161	1002	
1	1h	Daga Tashigang 1h	111.0	8.4	7.1	84.6%	492	3234			503			
1	1n	Daga Tashigang 1n	64.1	8.6	3.5	40.5%	36	1092			187			
2	2a	Phutsa 2a	69.1	7.1	7.9	111.5%	65	1726	1564		258	1028		
2	2b	Phutsa 2b	60.1	7.8	7.1	91.5%		1592	1780	1236		341	1557	
2	2c	Phutsa 2c	26.1	13.0	13.8	105.9%					329	1845		
2	2d	Phutsa 2d	106.8	11.0	1.3	11.5%	100	396				370		
2	2e	Phutsa 2e	36.4	5.8	4.1	71.2%	77	817	371					
2	2f	Phutsa 2f	103.3	6.4	7.3	114.6%	869	2077				1288		
2	2g	Phutsa 2g	37.0	10.0	9.2	92.0%	289	890			78	693		
2	2h	Phutsa 2h	72.0	15.0	16.4	109.4%	909	4369				2244		
2	2i	Phutsa 2i	65.7	10.0	7.1	70.9%	305	1314			438	118		
2	2j	Phutsa 2j	100.8	2.9	3.0	104.2%	250	522	242		50	889		
3	3a	Bachu 3a	49.9	7.2	6.0	83.3%	336	1354						
3	3b	Bachu 3b	28.8	6.0	2.4	39.8%		264				192		651
3	3c	Bachu 3c	24.8	10.0	10.1	101.1%		1601	1011					
3	3d	Bachu 3d	40.0	4.3	3.7	85.2%		1166						
3	3e	Bachu 3e	137.2	4.4	3.6	82.8%	310	1848	828			698	414	
3	3f	Bachu 3f	159.6	6.8	7.0	102.2%	537	5022	2275	903		764	975	
3	3g	Bachu 3g	93.5	16.0	14.5	90.5%	1321	6723						
3	3h	Bachu 3h	82.3	7.8	8.4	108.2%	516	2983			91	686		
4	4a	Cheyul 4a	108.4	4.2	3.6	86.2%		1016				1891	552	
4	4b	Cheyul 4b	87.2	3.8	2.6	68.0%	56	337			56	1005	273	
4	4c	Cheyul 4c	145.2	4.2	3.1	72.8%	225	1330			28	1427		
4	4d	Cheyul 4d	59.0	5.0	2.6	51.7%	35	387				719		
4	4e	Cheyul 4e	39.3	4.3	4.3	99.3%					368		534	
4	4f	Cheyul 4f	70.3	5.5	2.1	38.5%					46	1045		
4	4g	Cheyul 4g	135.7	10.0	9.2	92.0%	1376	731			677	2915		
5	5a	Pangtsela 5a	77.0	8.6	8.2	95.2%	627	1994			360			
5	5b	Pangtsela 5b	78.4	8.7	9.6	110.6%	654	854			962	197		
5	5c	Pangtsela 5c	78.1	8.2	9.8	119.9%	658	804			1075			
5	5d	Pangtsela 5d	60.1	8.4	8.0	94.7%	527	1187			274	162		
5	5e	Pangtsela 5e	86.3	7.3	8.7	119.6%	813	1426			601	241		
5	5f	Pangtsela 5f	31.4	15.3	14.6	95.5%	567	1185			239			
5	5g	Pangtsela 5g	30.9	14.0	13.3	95.2%	581	1012			136	65		
5	5h	Pangtsela 5h	41.3	7.3	6.5	89.7%	174	1039			58	403		
5	5i	Pangtsela 5i	29.7	8.7	8.8	101.0%	250	871			42	311		
5	5j	Pangtsela 5j	69.0	11.0	10.8	98.6%	435	2310			526	698		
5	5k	Pangtsela 5k	52.2	9.8	8.1	83.0%	390	1458			237			
6	6a	Gata 6a	87.7	13.8	15.4	111.9%	1437	2136			1293	276		
6	6b	Gata 6b	49.2	6.4	0.9	14.6%		138				227		
6	6c	Gata 6c	54.8	7.0	7.2	102.9%	277	1103			277	345		

Compartment	Prod. Area (ha)	BA (m2/ha)	BAextr. (m2/ha)	Extract. Rate	Timber (N total)				Firewood (N total)				
					Drashing	Cham	Tsim	Poles, posts	> 49cm	30-49cm	20-29 cm	10-19 cm	
1 Daga Tashigang	790.2	8.1	7.5	93%	4674	12288	0	0	4843	5227	1002	0	
2 Phutsa	677.2	8.5	6.9	81%	2864	13703	3957	1236	1153	8816	1557	0	
3 Bachu	616.1	7.8	7.2	93%	3020	20961	4114	903	91	2340	1389	651	
4 Cheyul	645.1	5.6	4.3	77%	1692	3801	0	0	1175	9002	1359	0	
5 Pangtsela	634.3	9.2	9.4	102%	5676	14140	0	0	4510	2077	0	0	
6 Gata	191.7	10.0	9.4	94%	1714	3377	0	0	1570	848	0	0	
Total per Gewog	3554.6	49.1	44.6	91%	19640	68270	8071	2139	13342	28310	5307	651	

Silvicultural Measures for Forest Management Area: Getena

Comp No.	Sub-Compartment		Production Area (ha)	Sivicultural Measures (in ha)			Sivicultural Measures (in % of area)		
	No.	Name		Planting	Thinning	Felling	Planting	Thinning	Felling
1	1a	Daga Tashigang 1a	50.0		5.5			11	
1	1b	Daga Tashigang 1b	83.3						
1	1c	Daga Tashigang 1c	97.5	28.3	69.2		29	71	
1	1d	Daga Tashigang 1d	54.4			5.4			10
1	1e	Daga Tashigang 1e	51.6		11.3			22	
1	1f	Daga Tashigang 1f	155.3		60.6			39	
1	1g	Daga Tashigang 1g	123.0	33.2	65.2	24.6	27	53	20
1	1h	Daga Tashigang 1h	111.0		18.9	12.2		17	11
1	1n	Daga Tashigang 1n	64.1	12.8	38.5	12.8	20	60	20
2	2a	Phutsa 2a	69.1		22.8	7.6		33	11
2	2b	Phutsa 2b	60.1		18.0	12.0		30	20
2	2c	Phutsa 2c	26.1		13.0			50	
2	2d	Phutsa 2d	106.8		53.4	53.4		50	50
2	2e	Phutsa 2e	36.4		13.8	4.7		38	13
2	2f	Phutsa 2f	103.3		41.3	20.7		40	20
2	2g	Phutsa 2g	37.0		18.5	9.2		50	25
2	2h	Phutsa 2h	72.0	5.8	12.2		8	17	
2	2i	Phutsa 2i	65.7		11.2	11.2		17	17
2	2j	Phutsa 2j	100.8	6.0	6.0	18.1	6	6	18
3	3a	Bachu 3a	49.9	5.0	10.0	5.0	10	20	10
3	3b	Bachu 3b	28.8		11.5	5.8		40	20
3	3c	Bachu 3c	24.8		12.4			50	
3	3d	Bachu 3d	40.0			5.6			14
3	3e	Bachu 3e	137.2		27.4	22.0		20	16
3	3f	Bachu 3f	159.6		31.9	55.8		20	35
3	3g	Bachu 3g	93.5		30.8	30.8		33	33
3	3h	Bachu 3h	82.3		12.4	18.9		15	23
4	4a	Cheyul 4a	108.4	33.6	58.6		31	54	
4	4b	Cheyul 4b	87.2	68.0	19.2		78	22	
4	4c	Cheyul 4c	145.2	5.8	29.0	11.6	4	20	8
4	4d	Cheyul 4d	59.0	22.4	29.5	7.1	38	50	12
4	4e	Cheyul 4e	39.3	9.8	14.9	5.1	25	38	13
4	4f	Cheyul 4f	70.3	12.0	40.8	5.6	17	58	8
4	4g	Cheyul 4g	135.7		96.3	39.3		71	29
5	5a	Pangtsela 5a	77.0		14.6	10.0		19	13
5	5b	Pangtsela 5b	78.4		52.5			67	
5	5c	Pangtsela 5c	78.1		28.1			36	
5	5d	Pangtsela 5d	60.1		17.4			29	
5	5e	Pangtsela 5e	86.3		24.2			28	
5	5f	Pangtsela 5f	31.4						
5	5g	Pangtsela 5g	30.9		15.4			50	
5	5h	Pangtsela 5h	41.3		13.6			33	
5	5i	Pangtsela 5i	29.7		9.8			33	
5	5j	Pangtsela 5j	69.0						
5	5k	Pangtsela 5k	52.2		17.2			33	
6	6a	Gata 6a	87.7		33.3	21.9		38	25
6	6b	Gata 6b	49.2	49.2			100		
6	6c	Gata 6c	54.8	38.4			70		

Compartment	Production Area (ha)	Sivicultural Measures (in ha)			Sivicultural Measures (in % of area)		
		Planting	Thinning	Felling	Planting	Thinning	Felling
1 Daga Tashigang	790.2	74.3	269.1	55.1	34	7	0
2 Phutsa	677.2	11.8	210.3	136.9	31	20	0
3 Bachu	616.1	5.0	136.5	143.9	22	23	0
4 Cheyul	645.1	151.6	288.3	68.8	45	11	0
5 Pangtsela	634.3	0.0	192.9	10.0	0	2	0
6 Gata	191.7	87.6	33.3	21.9	17	11	0
Total per Gewog	3554.6	330.3	1130.5	436.7	9	32	12

NWFP Occurrence in Forest Management Area of: Getena

Comp No.	Sub-Compartment		Prod. Area (ha)	Firewood				Bamboo				Cane				Daphne			
	No.	Name		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse	
				(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)
1	1a	Daga Tashigang 1a	50	22.0	44	22.0	44	5.5	11	5.5	11								
1	1b	Daga Tashigang 1b	83.31					24.2	29								5.0	6	
1	1c	Daga Tashigang 1c	97.45	48.7	50	20.5	21												
1	1d	Daga Tashigang 1d	54.42	27.2	50	27.2	50	21.8	40										
1	1e	Daga Tashigang 1e	51.55	28.9	56	17.0	33	22.7	44	5.7	11								
1	1f	Daga Tashigang 1f	155.33	74.6	48	54.4	35												
1	1g	Daga Tashigang 1g	122.98	40.6	33			16.0	13			8.6	7				16.0	13	
1	1h	Daga Tashigang 1h	111.04			12.2	11	31.1	28	18.9	17								
1	1n	Daga Tashigang 1n	64.11	32.1	50	12.8	20	19.2	30	12.8	20								
2	2a	Phutsa 2a	69.09	22.8	33							7.6	11			7.6	11	7.6	11
2	2b	Phutsa 2b	60.07	12.0	20	6.0	10									6.0	10	6.0	10
2	2c	Phutsa 2c	26.05			13.0	50											13.0	50
2	2d	Phutsa 2d	106.75	53.4	50					53.4	50					53.4	50		
2	2e	Phutsa 2e	36.43	9.1	25			4.7	13							4.7	13		
2	2f	Phutsa 2f	103.25					62.0	60										
2	2g	Phutsa 2g	36.99	9.2	25			9.2	25									9.2	25
2	2h	Phutsa 2h	71.98			18.0	25			12.2	17								
2	2i	Phutsa 2i	65.72	11.2	17			5.3	8	5.3	8					5.3	8	5.3	8
2	2j	Phutsa 2j	100.82	18.1	18			6.0	6							6.0	6	6.0	6
3	3a	Bachu 3a	49.91	10.0	20	5.0	10			5.0	10							5.0	10
3	3b	Bachu 3b	28.78	11.5	40					5.8	20							5.8	20
3	3c	Bachu 3c	24.81	12.4	50														
3	3d	Bachu 3d	39.99	11.6	29	5.6	14	5.6	14									5.6	14
3	3e	Bachu 3e	137.23	98.8	72	38.4	28	49.4	36			38.4	28	5.5	4	43.9	32	5.5	4
3	3f	Bachu 3f	159.56	8.0	5	63.8	40	8.0	5	31.9	20					95.7	60	63.8	40
3	3g	Bachu 3g	93.47	30.8	33	30.8	33	30.8	33				30.8	33		62.6	67	30.8	33
3	3h	Bachu 3h	82.34	12.4	15	44.5	54	18.9	23	18.9	23					37.9	46	44.5	54
4	4a	Cheyul 4a	108.43	83.5	77			24.9	23							16.3	15		
4	4b	Cheyul 4b	87.18	48.8	56	38.4	44	19.2	22							19.2	22		
4	4c	Cheyul 4c	145.23	29.0	20	5.8	4			11.6	8					11.6	8		
4	4d	Cheyul 4d	59.02			14.8	25												
4	4e	Cheyul 4e	39.31			14.9	38												
4	4f	Cheyul 4f	70.3			29.5	42												
4	4g	Cheyul 4g	135.66	39.3	29					19.0	14					39.3	29		
5	5a	Pangtsela 5a	77.01	29.3	38	48.5	63	23.9	31	10.0	13								
5	5b	Pangtsela 5b	78.38	10.2	13	52.5	67												
5	5c	Pangtsela 5c	78.11	7.0	9	35.1	45	7.0	9	21.1	27								
5	5d	Pangtsela 5d	60.08	8.4	14	34.2	57	8.4	14	17.4	29								
5	5e	Pangtsela 5e	86.32													28.5	33		
5	5f	Pangtsela 5f	31.41			31.4	100												
5	5g	Pangtsela 5g	30.85	5.2	17	20.7	67			20.7	67								
5	5h	Pangtsela 5h	41.31			20.7	50			13.6	33								
5	5i	Pangtsela 5i	29.69			19.9	67												
5	5j	Pangtsela 5j	68.97	17.2	25	11.7	17	5.5	8	11.7	17								
5	5k	Pangtsela 5k	52.16	5.7	11	17.2	33	5.7	11	11.5	22								
6	6a	Gata 6a	87.68	33.3	38	21.9	25					27.2	31	5.3	6				
6	6b	Gata 6b	49.22			19.7	40												
6	6c	Gata 6c	54.84			16.5	30	11.0	20										

Compartment	Prod. Area (ha)	Firewood				Bamboo				Cane				Daphne			
		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse		Abundant		Sparse	
		(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)
1 Daga Tashigang	790.2	274.0	35	166.1	21	140.4	18	42.9	5	8.6	1	0.0	0	0.0	0	21.0	3
2 Phutsa	677.2	135.9	20	37.0	5	87.2	13	70.9	10	7.6	1	0.0	0	83.0	12	47.2	7
3 Bachu	616.1	195.5	32	188.1	31	112.8	18	61.6	10	38.4	6	36.3	6	240.2	39	161.0	26
4 Cheyul	645.1	200.7	31	103.4	16	44.1	7	30.6	5	0.0	0	0.0	0	86.4	13	0.0	0
5 Pangtsela	634.3	83.1	13	292.0	46	50.6	8	106.0	17	0.0	0	0.0	0	28.5	4	0.0	0
6 Gata	191.7	33.3	17	58.1	30	11.0	6	0.0	0	27.2	14	5.3	3	0.0	0	0.0	0
Total per Gewog	3554.6	922.5	26	844.7	24	446.1	13	312.0	9	81.8	2	41.6	1	438.1	12	229.1	6

Comp No.	Sub-Compartment		Prod. Area (ha)	Grazing				Sokshing				Lopping			
	No.	Name		Intensive		Extensive		Intensive		Extensive		Intensive		Extensive	
				(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)	(ha)	(%)
1	1a	Daga Tashigang 1a	50.0												
1	1b	Daga Tashigang 1b	83.3	36.7	44										
1	1c	Daga Tashigang 1c	97.5							4.9	5			4.9 5	
1	1d	Daga Tashigang 1d	54.4												
1	1e	Daga Tashigang 1e	51.6	25.8	50										
1	1f	Daga Tashigang 1f	155.3												
1	1g	Daga Tashigang 1g	123.0												
1	1h	Daga Tashigang 1h	111.0												
1	1n	Daga Tashigang 1n	64.1												
2	2a	Phutsa 2a	69.1	7.6	11	15.2	22							7.6 11	
2	2b	Phutsa 2b	60.1	6.0	10	6.0	10					12.0	20		
2	2c	Phutsa 2c	26.1	13.0	50										
2	2d	Phutsa 2d	106.8	53.4	50									53.4 50	
2	2e	Phutsa 2e	36.4	9.1	25	4.7	13					4.7	13		
2	2f	Phutsa 2f	103.3	62.0	60										
2	2g	Phutsa 2g	37.0			9.2	25					9.2	25		
2	2h	Phutsa 2h	72.0	6.0	8							6.0	8		
2	2i	Phutsa 2i	65.7	16.4	25	5.5	8					11.2	17	5.5 8	
2	2j	Phutsa 2j	100.8	12.1	12									5.9 6	
3	3a	Bachu 3a	49.9	5.0	10	5.0	10					5.0	10		
3	3b	Bachu 3b	28.8	5.8	20									5.8 20	
3	3c	Bachu 3c	24.8												
3	3d	Bachu 3d	40.0	5.6	14	5.6	14					5.6	14	5.6 14	
3	3e	Bachu 3e	137.2	54.9	40							43.9	32	27.4 20	
3	3f	Bachu 3f	159.6	119.7	75	31.9	20					79.8	50	31.9 20	
3	3g	Bachu 3g	93.5	30.8	33							62.6	67		
3	3h	Bachu 3h	82.3	12.4	15	31.3	38					18.9	23	37.9 46	
4	4a	Cheyul 4a	108.4	16.3	15										
4	4b	Cheyul 4b	87.2												
4	4c	Cheyul 4c	145.2	17.4	12							11.6	8		
4	4d	Cheyul 4d	59.0	14.8	25										
4	4e	Cheyul 4e	39.3	9.8	25										
4	4f	Cheyul 4f	70.3	23.2	33										
4	4g	Cheyul 4g	135.7	58.3	43							19.0	14		
5	5a	Pangtsela 5a	77.0												
5	5b	Pangtsela 5b	78.4	10.2	13										
5	5c	Pangtsela 5c	78.1	7.0	9										
5	5d	Pangtsela 5d	60.1	8.4	14										
5	5e	Pangtsela 5e	86.3												
5	5f	Pangtsela 5f	31.4												
5	5g	Pangtsela 5g	30.9												
5	5h	Pangtsela 5h	41.3												
5	5i	Pangtsela 5i	29.7												
5	5j	Pangtsela 5j	69.0												
5	5k	Pangtsela 5k	52.2												
6	6a	Gata 6a	87.7	5.3	6										
6	6b	Gata 6b	49.2	29.5	60										
6	6c	Gata 6c	54.8												

Compartment	Prod. Area	Grazing				Sokshing				Lopping			
	(ha)	Intensive (ha)	(%)	Extensive (ha)	(%)	Intensive (ha)	(%)	Extensive (ha)	(%)	Intensive (ha)	(%)	Extensive (ha)	(%)
1 Daga Tashigang	790.2	62.4	8	0.0	0	0.0	0	4.9	1	0.0	0	4.9	1
2 Phutsa	677.2	185.6	27	40.6	6	0.0	0	0.0	0	43.1	6	72.4	11
3 Bachu	616.1	234.1	38	73.8	12	0.0	0	0.0	0	215.8	35	108.6	18
4 Cheyul	645.1	139.8	22	0.0	0	0.0	0	0.0	0	30.6	5	0.0	0
5 Pangtsela	634.3	25.6	4	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
6 Gata	191.7	34.8	18	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total per Gewog	3554.6	682.3	19	114.4	3	0.0	0	4.9	0	289.6	8	185.8	5

Annexure 2: Compartment Register

Sub-Compartment Record																
Geog	Getena		Comp.	C1 (Daga Trashigang)			Sub-Comp.	Daga Trashigang 1a		No.	1a					
Areas in ha																
Non Forest Area	5.6		Protection	2.6			In-operable			Production	50.0					
Forest Composition and Description																
Mature stand with closed canopy closure and natural hardwood forest in good conditions.									Stand data							
									Bas. Area (m2/ha)		11.6					
									Tot. Vol. (m3/ha)		92.4					
									Vconifer %							
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Cinnamomum spp. Exbucklandia Litsea spp. Michelia spp. Persea spp. Quercus spp. Schima spp. Walnut Other Broadleave Conifer spp. 					Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
					Hemlock		Plantation		Type	%	%					
					Fir		Natural	100	Firewood	44	44					
					Spruce		Coppice		Bamboo	11	11					
					Mixed Conifer		Canopy	%	Cane							
					Blue Pine		Dense		Daphne							
					Chir Pine		Closed	100								
					Hardwood	100	Open									
					Mixed H/C		Unstocked		Forest Use			I	E			
					Age Class	%	Condition	%	Type	%	%					
					Young		Good	67	Grazing							
					Immature		Average	33	Shokshing							
					Mature	100	Poor		Lopping							
					Overmature		Site Characteristics									
					Slope	%	Erosiveness	%	Soil Cover	%						
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate	100											
Steep		Unstable		Low												
Species	Height 0.3<1.3 m	N/ha per diameter class											Total (> 10cm)			
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.																
Walnut																
Other Broadleave		157	13	18	7	13	22	7	1			80	100			
Conifer spp.																
Total		157	13	18	7	13	22	7	1			80	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Felling of mature stand for better growth of timber species through improvement.													
	Improvement	√														
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year											Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing	1364	27	100	3035											
	Firewood	105	2		293											
30-49	Cham	629	13	64	775											
	Firewood															
20-29	Tsim															
	Firewood															
10-19	Poles, etc.															
	Firewood															
Silvicultural Measures				Area in ha implemented per year											Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
Planting																
Thinning	5.6	11%														
Felling																
Assessment carried out by			Phub Tshering										Year:	2019		

Sub-Compartment Record																
Geog	Getena	Comp.	C1 (Daga Trashigang)	Sub-Comp.	Daga Trashigang 1b	No.	1b									
Areas in ha																
Non Forest Area		Protection	4.3	In-operable		Production	83.3									
Forest Composition and Description																
Mature stand with closed canopy closure and natural hardwood forest in good conditions.						Stand data										
						Bas. Area (m2/ha)		6.9								
						Tot. Vol. (m3/ha)		55.8								
						Vconifer %										
<p>Number of trees/ha by diameter class (dbh>10 cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood						
						Spruce		Coppice		Bamboo	29					
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine		Dense		Daphne						
						Chir Pine		Closed	82							
						Hardwood	100	Open	18							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	59	Grazing						
						Immature		Average	41	Shokshing						
						Mature	100	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover						
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate	100											
Steep		Unstable		Low												
Species	Height	N/ha per diameter class										Total (> 10cm)				
	0.3<1.3 m	<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.																
Walnut																
Other Broadleave		104	13	7	4	13	6	6	1			51	100			
Conifer spp.																
Total		104	13	7	4	13	6	6	1			51	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Felling of mature tree for improvement													
	Improvement	√														
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year										Total	%	
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing	248	3	100	704											
	Firewood	838	10		2137											
30-49	Cham	616	7	100	760											
	Firewood	799	10		808											
20-29	Tsim															
10-19	Firewood															
10-19	Poles, etc.															
10-19	Firewood															
Silvicultural Measures				Area in ha implemented per year										Total	%	
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
Planting																
Thinning																
Felling																
Assessment carried out by		Phub Tshering										Year:	2019			

Sub-Compartment Record																	
Geog	Getena		Comp.	C1 (Daga Trashigang)		Sub-Comp.	Daga Trashigang 1c		No.	1c							
Areas in ha																	
Non Forest Area	7.1		Protection	4.5		In-operable	6.5		Production	91.0							
Forest Composition and Description																	
Immature stand with open canopy closure and natural hardwood forest in average conditions.								Stand data									
								Bas. Area (m2/ha)		9.1							
								Tot. Vol. (m3/ha)		72.1							
Vconifer %																	
Number of trees/ha by diameter class (dbh>10 cm)								Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
								Hemlock		Plantation		Type	%	%			
								Fir		Natural	107	Firewood	50	21			
								Spruce		Coppice		Bamboo					
								Mixed Conifer		Canopy	%	Cane					
								Blue Pine		Dense		Daphne					
								Chir Pine		Closed	29						
								Hardwood	100	Open	71						
								Mixed H/C		Unstocked		Forest Use			I	E	
								Age Class	%	Condition	%	Type	%	%			
								Young		Good	29	Grazing					
Immature		Average	71	Shokshing													
Mature	100	Poor		Lopping													
Overmature		Site Characteristics															
Slope	%	Erosiveness	%	Soil Cover	%												
Gentle		Stable		High													
Moderate	100	Moderate	100	Moderate	100												
Steep		Unstable		Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.																	
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.																	
Quercus spp.																	
Schima spp.																	
Walnut																	
Other Broadleave		152		9		33	13	1				56	100				
Conifer spp.																	
Total		152		9		33	13	1				56	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Mature stands needs to harvest for better growth of timber species														
	Improvement	√															
	Timber Use	√															
	Firewood Use	√															
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
>50	Drashing	383	4	100	754												
	Firewood	883	10		1862												
30-49	Cham	1879	21	100	2317												
	Firewood	1144	13		1410												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.			####													
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting	26.0	29%															
Thinning	65.0	71%															
Felling																	
Assessment carried out by			Phub Tshering										Year:	2019			

Sub-Compartment Record																																																																																																																																																		
Geog	Getena		Comp.	C1 (Daga Trashigang)		Sub-Comp.	Daga Trashigang 1d		No.	1d																																																																																																																																								
Areas in ha																																																																																																																																																		
Non Forest Area	11.1		Protection	2.0		In-operable	6.1		Production	61.4																																																																																																																																								
Forest Composition and Description																																																																																																																																																		
Mixture of mature and Immature stand with equal of canopy closure and natural hardwood forest in average conditions.									Stand data																																																																																																																																									
									Bas. Area (m2/ha)		9.2																																																																																																																																							
									Tot. Vol. (m3/ha)		73.0																																																																																																																																							
									Vconifer %																																																																																																																																									
<p>Number of trees/ha by diameter class (dbh>10 cm)</p>					<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td>50</td> <td>50</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td>40</td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td></td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td></td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>100</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td>100</td> <td>Open</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <th colspan="3">Forest Use</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <th>I</th> <th>E</th> <td></td> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td></td> <td>Good</td> <td>60</td> <td>Grazing</td> <td></td> <td></td> </tr> <tr> <td>Immature</td> <td>10</td> <td>Average</td> <td>40</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>90</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="4">Site Characteristics</th> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th>%</th> <td></td> </tr> <tr> <td>Gentle</td> <td></td> <td>Stable</td> <td></td> <td>High</td> <td></td> <td></td> </tr> <tr> <td>Moderate</td> <td>100</td> <td>Moderate</td> <td>100</td> <td>Moderate</td> <td>100</td> <td></td> </tr> <tr> <td>Steep</td> <td></td> <td>Unstable</td> <td></td> <td>Low</td> <td></td> <td></td> </tr> </tbody> </table>								Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood	50	50	Spruce		Coppice		Bamboo	40		Mixed Conifer		Canopy	%	Cane			Blue Pine		Dense		Daphne			Chir Pine		Closed	100				Hardwood	100	Open					Mixed H/C		Unstocked		Forest Use							I	E		Age Class	%	Condition	%	Type	%	%	Young		Good	60	Grazing			Immature	10	Average	40	Shokshing			Mature	90	Poor		Lopping			Overmature		Site Characteristics						Slope	%	Erosiveness	%	Soil Cover	%		Gentle		Stable		High			Moderate	100	Moderate	100	Moderate	100		Steep		Unstable		Low		
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																												
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Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)																																																																																																																																						
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%																																																																																																																																					
Beilschmiedia spp.																																																																																																																																																		
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Walnut																																																																																																																																																		
Other Broadleave		212		16		21	17	3				58	100																																																																																																																																					
Conifer spp.																																																																																																																																																		
Total		212		16		21	17	3				58	100																																																																																																																																					
Future Management & Monitoring of Activities																																																																																																																																																		
Manag. Option	No activities		Cleaning of undergrowth bushes for plantation																																																																																																																																															
	Improvement	√																																																																																																																																																
	Timber Use	√																																																																																																																																																
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Production Potential (N, Volume)				No of trees removed each year																																																																																																																																														
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%																																																																																																																																		
>50	Drashing	775	13	100	1527																																																																																																																																													
	Firewood	443	7		1066																																																																																																																																													
30-49	Cham	772	13	100	952																																																																																																																																													
	Firewood	540	9		666																																																																																																																																													
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Felling	6.1	10%																																																																																																																																																
Assessment carried out by			Phub Tshering										Year:	2019																																																																																																																																				

Sub-Compartment Record																									
Geog	Sangbay	Comp.	C1 (Nakhekha)	Sub-Comp.	Nakhekha 1e	No.	1e																		
Areas in ha																									
Non Forest Area	11.1	Protection	2.8	In-operable		Production	51.6																		
Forest Composition and Description																									
Steep slope with Immature stand with open canopy closure and natural hardwood forest in average conditions. NWFPs areas.						Stand data																			
						Bas. Area (m2/ha)		9.1																	
						Tot. Vol. (m3/ha)		67.2																	
		Vconifer %																							
Number of trees/ha by diameter class (dbh>10 cm)																									
<table border="1"> <tr> <td>■ Beilschmiedia spp.</td> <td>■ Cinnamomum spp.</td> <td>■ Exbucklandia</td> </tr> <tr> <td>□ Litsea spp.</td> <td>■ Michelia spp.</td> <td>■ Persea spp.</td> </tr> <tr> <td>□ Quercus spp.</td> <td>□ Schima spp.</td> <td>□ Walnut</td> </tr> <tr> <td>■ Other Broadleave</td> <td>■ Conifer spp.</td> <td></td> </tr> </table>														■ Beilschmiedia spp.	■ Cinnamomum spp.	■ Exbucklandia	□ Litsea spp.	■ Michelia spp.	■ Persea spp.	□ Quercus spp.	□ Schima spp.	□ Walnut	■ Other Broadleave	■ Conifer spp.	
■ Beilschmiedia spp.	■ Cinnamomum spp.	■ Exbucklandia																							
□ Litsea spp.	■ Michelia spp.	■ Persea spp.																							
□ Quercus spp.	□ Schima spp.	□ Walnut																							
■ Other Broadleave	■ Conifer spp.																								
Forest Type % Stand Type % NWFP+firew. A S																									
Hemlock		Plantation		Type		% %																			
Fir		Natural		100		Firew ood		56 33																	
Spruce		Coppice				Bamboo		44 11																	
Mixed Conifer		Canopy		% %		Cane																			
Blue Pine		Dense				Daphne																			
Chir Pine		Closed		100																					
Hardw ood		100		Open																					
Mixed H/C		Unstocked				Forest Use		I E																	
Age Class %		Condition %		Type % %																					
Young		Good		33		Grazing																			
Immature		Average		67		Shokshing																			
Mature		100		Poor		Lopping																			
Overmature		Site Characteristics																							
Slope %		Erosiveness %		Soil Cover %																					
Gentle		Stable		High																					
Moderate		100		Moderate		100		100																	
Steep		Unstable		Low																					
Species																									
Species	Height 0.3<1.3 m	N/ha per diameter class											Total (> 10cm)												
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%												
Beilschmiedia spp.																									
Cinnamomum spp.																									
Exbucklandia																									
Litsea spp.																									
Michelia spp.																									
Persea spp.																									
Quercus spp.																									
Schima spp.																									
Walnut																									
Other Broadleave		196	13	36	5	21	14							88	100										
Conifer spp.																									
Total		196	13	36	5	21	14							88	100										
Future Management & Monitoring of Activities																									
Manag. Option	No activities		Steep slope area with thick undergrowth, NWFPs areas (bamboo, cane)																						
	Improvement	√																							
	Timber Use																								
	Firewood Use																								
	Silvopasture																								
	Sokshing																								
Production Potential (N, Volume)					No of trees removed each year																				
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%									
>50	Drashing	193	4	100	380																				
	Firewood	530	10		1045																				
30-49	Cham	1102	21	100	1221																				
	Firewood	216	4		266																				
20-29	Tsim																								
	Firewood																								
10-19	Poles, etc.																								
	Firewood																								
Silvicultural Measures					Area in ha implemented per year																				
Measure	Area (ha)	in %	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%											
Planting																									
Thinning	11.5	22%																							
Felling																									
Assessment carried out by		Phub Tshering										Year:	2019												

Sub-Compartment Record																
Geog	Getena	Comp.	C1 (Daga Tashigang)	Sub-Comp.	Daga Tashigang 1f	No.	1f									
Areas in ha																
Non Forest Area		Protection	5.1	In-operable		Production	160.5									
Forest Composition and Description																
Most of the plots are inoperable because of thick undergrowth and steep slope. Immature stand with open canopy closure and natural hardwood forest in average conditions. NWFPs areas.							Stand data									
							Bas. Area (m2/ha)		7.8							
							Tot. Vol. (m3/ha)		61.8							
Vconifer %																
Number of trees/ha by diameter class (dbh>10 cm)							Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
							Hemlock		Plantation		Type	%	%			
							Fir		Natural	10	Firewood	48	35			
							Spruce		Coppice		Bamboo					
							Mixed Conifer		Canopy	%	Cane					
							Blue Pine		Dense		Daphne					
							Chir Pine		Closed	100						
							Hardwood	100	Open							
							Mixed H/C		Unstocked		Forest Use	I	E			
							Age Class	%	Condition	%	Type	%	%			
							Young		Good	35	Grazing					
							Immature		Average	65	Shokshing					
							Mature	100	Poor		Lopping					
							Overmature		Site Characteristics							
Slope	%	Erosiveness	%	Soil Cover	%											
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate	100											
Steep		Unstable		Low												
Species	Height	N/ha per diameter class											Total (> 10cm)			
	0.3<1.3 m	<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.																
Walnut																
Other Broadleave		228	7	8		23	12	2	0			52	100			
Conifer spp.																
Total		228	7	8		23	12	2	0			52	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Most of the plots are inoperable due to thick undergrowth and steep slope. NWFPs areas													
	Improvement	√														
	Timber Use															
	Firewood Use															
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%
>50	Drashing	1183	7	100	2428											
	Firewood	1117	7		2569											
30-49	Cham	2278	14	100	2809											
	Firewood	1367	9		1686											
20-29	Tsim															
10-19	Firewood															
10-19	Poles, etc.															
10-19	Firewood															
Silvicultural Measures				Area in ha implemented per year												
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
Planting																
Thinning	62.1	39%														
Felling																
Assessment carried out by		Phubtshering											Year:	2019		

Sub-Compartment Record																
Geog	Getena	Comp.	C1 (Daga Tashigang)	Sub-Comp.	Daga Tashigang 1g	No.	1g									
Areas in ha																
Non Forest Area	2.2	Protection	3.8	In-operable		Production	123.0									
Forest Composition and Description																
Immature stand with open canopy closure and natural hardwood forest in average conditions with rich in NWFPs.						Stand data										
						Bas. Area (m2/ha)		3.5								
						Tot. Vol. (m3/ha)		25.6								
						Vconifer %										
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleave Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Henlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	33					
						Spruce		Coppice		Bamboo	13					
						Mixed Conifer		Canopy	%	Cane	7					
						Blue Pine		Dense		Daphne	13					
						Chir Pine		Closed	67	Fern						
						Hardwood	100	Open	33							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	67	Grazing						
						Immature	33	Average	33	Shokshing						
						Mature	67	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover						
Gentle	20	Stable	33	High												
Moderate	73	Moderate	67	Moderate	80											
Steep	7	Unstable		Low	20											
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.					1							1	3			
Persea spp.	24		8			3						10	24			
Quercus spp.																
Schima spp.	24		8	8			1	1				18	41			
Walnut																
Other Broadleave		47			7	7						14	32			
Conifer spp.																
Total	47	47	15	8	8	9	1	1				43	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		NWFPs harvesting area. Thinning of unwanted species for firewood and for better growth of timber species.													
	Improvement	√														
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%
>50	Drashing		100													
	Firewood	237	2		597											
30-49	Cham	686	6	86	779											
	Firewood	1161	9		938											
20-29	Tsim															
	Firewood	1002	8	100	315											
10-19	Poles, etc.															
	Firewood															
Silvicultural Measures				Area in ha implemented per year												
Measure	Area (ha)	in %														
Planting	32.8	27%	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%		
Thinning	65.6	53%														
Felling	24.6	20%														
Assessment carried out by			Ashman Tamang										Year:	2019		

Sub-Compartment Record																	
Geog	Getena	Comp.	C1 (Daga Tashigang)	Sub-Comp.	Daga Tashigang 1h	No.	1h										
Areas in ha																	
Non Forest Area	1.6	Protection	5.7	In-operable	5.8	Production	105.2										
Forest Composition and Description																	
Immature stand with open canopy closure and natural hardwood forest in average conditions. Good for NWFPs harvesting.						Stand data											
						Bas. Area (m2/ha)		8.4									
						Tot. Vol. (m3/ha)		65.6									
Vconifer %																	
<p>Number of trees/ha by diameter class (dbh>10 cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
						Fir		Natural	100	Firewood		11					
						Spruce		Coppice		Bamboo	28	17					
						Mixed Conifer		Canopy	%	Cane							
						Blue Pine		Dense		Daphne							
						Chir Pine		Closed	100	Fern							
						Hardwood	100	Open		Broom							
						Mixed H/C		Unstocked		Forest Use	I	E					
						Age Class	%	Condition	%	Type	%	%					
						Young		Good	22	Grazing							
						Immature		Average	78	Shokshing							
						Mature	100	Poor		Lopping							
						Overmature		Site Characteristics									
						Slope	%	Erosiveness	%	Soil Cover							
Gentle		Stable		High													
Moderate	100	Moderate	100	Moderate	100												
Steep		Unstable		Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.	20					3	1					5	7				
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.	59			5		8	0					13	18				
Quercus spp.																	
Schima spp.				5		7	1	1				13	19				
Walnut																	
Other Broadleave			13	9		13	5	0	1			40	57				
Conifer spp.																	
Total	79		13	18		31	8	1	1			71	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Harvesting of mature stands and malformed for firewood for the better growth of timber species.														
	Improvement	√															
	Timber Use																
	Firewood Use	√															
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
>50	Drashing	492	5	100	1003												
	Firewood	503	5		1205												
30-49	Cham	3234	31	100	4049												
	Firewood																
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting																	
Thinning	17.5	17%															
Felling	11.7	11%															
Assessment carried out by		Ash Man Tamang										Year:	2019				

Sub-Compartment Record																	
Geog	Getena	Comp.	C1 (Daga Tashigang)	Sub-Comp.	Daga Tashigang 1i	No.	1i										
Areas in ha																	
Non Forest Area	38.3	Protection	3.3	In-operable	35.2	Production	80.4										
Forest Composition and Description																	
Immature stand with open canopy closure and natural hardwood forest in good conditions. Sporadic type of population structure.						Stand data											
						Bas. Area (m2/ha)		9.0									
						Tot. Vol. (m3/ha)		64.0									
Vconifer %																	
<p>Number of trees/ha by diameter class (dbh > 10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleave Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
						Fir		Natural	56	Firewood	31						
						Spruce		Coppice		Bamboo	13						
						Mixed Conifer		Canopy	%	Cane							
						Blue Pine		Dense	6	Daphne	6						
						Chir Pine		Closed	44								
						Hardwood	100	Open	31								
						Mixed H/C		Unstocked	19	Forest Use	I	E					
						Age Class	%	Condition	%	Type	%	%					
						Young		Good		Grazing	44						
						Immature	31	Average	100	Shokshing							
						Mature	69	Poor		Lopping							
						Overmature		Site Characteristics									
						Slope	%	Erosiveness	%	Soil Cover	%						
Gentle	13	Stable	13	High	6												
Moderate	88	Moderate	88	Moderate	81												
Steep		Unstable		Low	13												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.																	
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.																	
Quercus spp.																	
Schima spp.		22		13	1	4	1					19	14				
Walnut																	
Other Broadleave	133		78		9	24	4	1				116	86				
Conifer spp.																	
Total	133	22	78	13	10	28	5	1				135	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Harvesting of mature stands and malformed for firewood for the better growth of timber species. Improvement like clearing of bushes and unwanted shrubs for regeneration.														
	Improvement	✓															
	Timber Use	✓															
	Firewood Use	✓															
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
>50	Drashing	91	1	100	273												
	Firewood	423	5		853												
30-49	Cham	503	6	100	438												
	Firewood	2543	32		2819												
20-29	Tsim			100													
	Firewood	1023	13		322												
10-19	Poles, etc.																
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting	15.1	19%															
Thinning	35.2	44%															
Felling																	
Assessment carried out by		Ashman Tamang										Year:	2019				

Sub-Compartment Record																
Geog	Getena	Comp.	C1 (Daga Tashigang)	Sub-Comp.	Daga Tashigang 1j	No.	1j									
Areas in ha																
Non Forest Area	3.7	Protection	14.1	In-operable	22.9	Production	80.2									
Forest Composition and Description																
Immature stand with open canopy closure and natural hardwood forest in average conditions. Good for NWFPs harvesting.						Stand data										
						Bas. Area (m2/ha)	11.0									
						Tot. Vol. (m3/ha)	90.3									
						Vconifer %										
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleave Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	14	36				
						Spruce		Coppice		Bamboo	29	71				
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine		Dense		Daphne		7				
						Chir Pine		Closed	100	Fern		7				
						Hardwood	100	Open		Broom		7				
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	21	Grazing						
						Immature		Average	79	Shokshing						
						Mature	100	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate	100											
Steep		Unstable		Low												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.	25					3	2					4	6			
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.							5					5	8			
Schima spp.				6		6	3	1				16	23			
Walnut																
Other Broadleave		177										44	63			
Conifer spp.																
Total	25	177		17	3	28	17	4				69	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Harvesting of mature stands and malformed for firewood for the better growth of timber species.													
	Improvement	√														
	Timber Use															
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year											Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing	1055	13	100	2269											
	Firewood	641	8		1667											
30-49	Cham	1823	23	100	2101											
	Firewood	649	8		804											
20-29	Tsim	1401	17	100	400											
	Firewood															
10-19	Poles, etc.			###												
	Firewood															
Silvicultural Measures				Area in ha implemented per year											Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
Planting																
Thinning	17.2	21%														
Felling	11.5	14%														
Assessment carried out by		Ashman Tamang										Year:	2019			

Sub-Compartment Record																																																																																																																																								
Geog	Getena		Comp.	C1 (Daga Tashigang)		Sub-Comp.	Daga Tashigang 1k		No.	1k																																																																																																																														
Areas in ha																																																																																																																																								
Non Forest Area	31.9		Protection	3.1		In-operable	19.4		Production	96.8																																																																																																																														
Forest Composition and Description																																																																																																																																								
Immature stand with open canopy closure and natural hardwood forest in average conditions. Good for NWFPs harvesting.								Stand data																																																																																																																																
								Bas. Area (m2/ha)		10.2																																																																																																																														
								Tot. Vol. (m3/ha)		81.6																																																																																																																														
Vconifer %																																																																																																																																								
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Fir		Natural	100	Firewood		25																																																																																																																																			
Spruce		Coppice		Bamboo																																																																																																																																					
Mixed Conifer		Canopy	%	Cane																																																																																																																																					
Blue Pine		Dense		Daphne																																																																																																																																					
Chir Pine		Closed		Fern																																																																																																																																					
Hardwood	100	Open	75	Broom																																																																																																																																					
Mixed H/C		Unstocked	25	Forest Use	I	E																																																																																																																																			
Age Class	%	Condition	%	Type	%	%																																																																																																																																			
Young		Good		Grazing	50																																																																																																																																				
Immature		Average	25	Shokshing																																																																																																																																					
Mature	100	Poor	75	Lopping																																																																																																																																					
Overmature		Site Characteristics																																																																																																																																							
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																				
Gentle		Stable		High																																																																																																																																					
Moderate	100	Moderate	100	Moderate	100																																																																																																																																				
Steep		Unstable		Low																																																																																																																																					
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)																																																																																																																													
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%																																																																																																																												
Beilschmiedia spp.																																																																																																																																									
Cinnamomum spp.																																																																																																																																									
Exbucklandia																																																																																																																																									
Litsea spp.																																																																																																																																									
Michelia spp.																																																																																																																																									
Persea spp.																																																																																																																																									
Quercus spp.						3						3	9																																																																																																																												
Schima spp.																																																																																																																																									
Walnut																																																																																																																																									
Other Broadleaf		354			21	13						33	91																																																																																																																												
Conifer spp.																																																																																																																																									
Total		354			21	16						37	100																																																																																																																												
Future Management & Monitoring of Activities																																																																																																																																									
Manag. Option	No activities		Harvesting of mature stands and malformed for firewood for the better growth of timber species.																																																																																																																																						
	Improvement	√																																																																																																																																							
	Timber Use																																																																																																																																								
	Firewood Use	√																																																																																																																																							
	Silvopasture																																																																																																																																								
	Sokshing																																																																																																																																								
Production Potential (N, Volume)					No of trees removed each year										Total	%																																																																																																																									
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028																																																																																																																											
>50	Drashing			#VALUE!																																																																																																																																					
	Firewood																																																																																																																																								
30-49	Cham	64	3	100	79																																																																																																																																				
	Firewood	683	33		611																																																																																																																																				
20-29	Tsim			#VALUE!																																																																																																																																					
	Firewood																																																																																																																																								
10-19	Poles, etc.			#VALUE!																																																																																																																																					
	Firewood																																																																																																																																								
Silvicultural Measures					Area in ha implemented per year										Total	%																																																																																																																									
Measure	Area (ha)	in %	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028																																																																																																																													
Planting	20.5	100%																																																																																																																																							
Thinning																																																																																																																																									
Felling																																																																																																																																									
Assessment carried out by			DB Monger									Year:	2019																																																																																																																												

Sub-Compartment Record																	
Geog	Getena		Comp.	C1 (Daga Tashigang)		Sub-Comp.	Daga Tashigang 1n		No.	1n							
Areas in ha																	
Non Forest Area	6.4		Protection	19.2		In-operable	18.3		Production	45.8							
Forest Composition and Description																	
Immature stand with open canopy closure and natural hardwood forest in average conditions. Good for NWFPs harvesting.								Stand data									
								Bas. Area (m2/ha)	8.6								
								Tot. Vol. (m3/ha)	66.3								
								Vconifer %									
								Forest Type	%	Stand Type	%	NWFP+firew.	A	S			
								Hemlock		Plantation		Type	%	%			
								Fir		Natural	100	Firewood	50	20			
								Spruce		Coppice		Bamboo	30	20			
								Mixed Conifer		Canopy		Cane					
								Blue Pine		Dense		Daphne					
								Chir Pine		Closed	80	Fern					
								Hardwood	100	Open	20	Broom					
								Mixed H/C		Unstocked		Forest Use	I	E			
								Age Class	%	Condition	%	Type	%	%			
								Young		Good	30	Grazing					
								Immature		Average	70	Shokshing					
								Mature	100	Poor		Lopping					
								Overmature		Site Characteristics							
								Slope	%	Erosiveness	%	Soil Cover	%				
Gentle		Stable		High													
Moderate	100	Moderate	100	Moderate	100												
Steep		Unstable		Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.						3	2					4	7				
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.																	
Quercus spp.																	
Schima spp.						6	2	1				9	14				
Walnut																	
Other Broadleave		389		20	8	15	5	2				51	79				
Conifer spp.																	
Total		389		20	8	24	8	3				64	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Harvesting of mature stands and malformed for firewood for the better growth of timber species.														
	Improvement	√															
	Timber Use																
	Firewood Use	√															
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)					No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
>50	Drashing	336	7	100	697												
	Firewood	187	4		491												
30-49	Cham	1092	24	74	1177												
	Firewood																
20-29	Tsim																
	Firewood																
10-19	Poles, etc.			#VALUE!													
	Firewood																
Silvicultural Measures					Area in ha implemented per year												
Measure	Area (ha)	in %			2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
Planting	9.2	20%															
Thinning	27.5	60%															
Felling	9.2	20%															
Assessment carried out by			DB Monger											Year:	2019		

Sub-Compartment Record																			
Geog	Getena	Comp.	C2 (Phutsa)	Sub-Comp.	Phutsa 2a	No.	2a												
Areas in ha																			
Non Forest Area	16.9	Protection	11.3	In-operable		Production	69.1												
Forest Composition and Description																			
Immature stand with open canopy closure and natural hardwood forest in average conditions.						Stand data													
						Bas. Area (m2/ha)		7.1											
						Tot. Vol. (m3/ha)		51.5											
Vconifer %																			
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleaf Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S							
						Herlock		Plantation		Type	%	%							
						Fir		Natural	100	Firewood	33								
						Spruce		Coppice		Bamboo									
						Mixed Conifer		Canopy	%	Cane	11								
						Blue Pine		Dense	11	Daphne	11	11							
						Chir Pine		Closed	78										
						Hardwood	100	Open	11										
						Mixed H/C		Unstocked		Forest Use	I	E							
						Age Class	%	Condition	%	Type	%	%							
						Young	11	Good	67	Grazing	11	22							
						Immature	11	Average	33	Shocking									
						Mature	78	Poor		Lopping		11							
						Overmature		Site Characteristics											
						Slope	%	Erosiveness	%	Soil Cover									
						Gentle	33	Stable	33	High	22								
						Moderate	56	Moderate	56	Moderate	67								
						Steep	11	Unstable	11	Low	11								
						Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
								<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.																			
Cinnamomum spp.																			
Exbucklandia																			
Litsea spp.																			
Michelia spp.																			
Persea spp.																			
Quercus spp.																			
Schima spp.				5	5	4	1					14	21						
Walnut																			
Other Broadleaf				18	18	13	4					53	79						
Conifer spp.																			
Total				23	23	17	5					67	100						
Future Management & Monitoring of Activities																			
Manag. Option	No activities		Felling of unwanted tree for better growth of timber species. Thinning of pole size trees.																
	Improvement	√																	
	Timber Use																		
	Firewood Use																		
	Silvopasture																		
	Sokshing																		
Production Potential (N, Volume)				No of trees removed each year										Total	%				
Product size	N total	N/ha	% (m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028						
>50	Drashing	65	1	100	142														
	Firewood	258	4		509														
30-49	Cham	1726	25	100	1291														
	Firewood	1028	15		1176														
20-29	Tsim	1564	23	100	437														
	Firewood																		
10-19	Poles, etc.			###															
	Firewood																		
Silvicultural Measures			Area in ha implemented per year										Total	%					
Measure	Area (ha)	in %	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028							
Planting																			
Thinning	23.0	33%																	
Felling	7.7	11%																	
Assessment carried out by		Ashman Tamang										Year:	2019						

Sub-Compartment Record																
Geog	Getena	Comp.	C2 (Phutsa)	Sub-Comp.	Phutsa 2b	No.	2b									
Areas in ha																
Non Forest Area	38.2	Protection	19.9	In-operable	5.5	Production	54.6									
Forest Composition and Description																
Mixture of mature and Immature stand with closed canopy closure and natural hardwood forest in good conditions.						Stand data										
						Bas. Area (m2/ha)		7.8								
						Tot. Vol. (m3/ha)		48.5								
Vconifer %																
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	20	10				
						Spruce		Coppice		Bamboo						
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine		Dense	30	Daphne	10	10				
						Chir Pine		Closed	50							
						Hardwood	100	Open	20							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young	10	Good	50	Grazing	10	10				
						Immature		Average	50	Shokshing						
						Mature	80	Poor		Lopping	20					
						Overmature	10	Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover						
Gentle	10	Stable		High	10											
Moderate	70	Moderate	90	Moderate	80											
Steep	20	Unstable	10	Low	10											
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.																
Walnut																
Other Broadleaf			23	69	31	6						129	100			
Conifer spp.																
Total			23	69	31	6						129	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		4 Plots falls under Devithan. Young stands, thick undergrowth, thinning for improvement.													
	Improvement	√														
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)					No of trees removed each year										Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing			###												
	Firewood															
30-49	Cham	1592	29	94	1239											
	Firewood	341	6		223											
20-29	Tsim	1780	33	88	482											
	Firewood	1557	29		422											
10-19	Poles, etc.	1236	23	100	87											
	Firewood															
Silvicultural Measures					Area in ha implemented per year										Total	%
Measure	Area (ha)	in %	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting																
Thinning	16.4	30%														
Felling	10.9	20%														
Assessment carried out by		Ashman Tamang										Year:	2019			

Sub-Compartment Record																
Geog	Getena		Comp.	C2 (Phutsa)		Sub-Comp.	Phutsa 2c		No.	2c						
Areas in ha																
Non Forest Area	2.5		Protection	13.5		In-operable			Production	26.1						
Forest Composition and Description																
Immature stand with closed canopy closure and natural hardwood forest in average conditions.								Stand data								
								Bas. Area (m2/ha)	13.0							
								Tot. Vol. (m3/ha)	90.0							
								Vconifer %								
								Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
								Hemlock		Plantation		Type	%	%		
								Fir		Natural	100	Fire wood		50		
								Spruce		Coppice		Bamboo				
								Mixed Conifer		Canopy	%	Cane				
								Blue Pine		Dense		Daphne		50		
								Chir Pine		Closed	100					
								Hardw ood	100	Open						
								Mixed H/C		Unstocked		Forest Use		I	E	
								Age Class	%	Condition	%	Type	%	%		
								Young		Good		Grazing	50			
								Immature	50	Average	100	Shokshing				
								Mature	50	Poor		Lopping				
								Overmature		Site Characteristics						
								Slope	%	Erosiveness	%	Soil Cover	%			
								Gentle		Stable		High	50			
								Moderate	100	Moderate	100	Moderate	50			
								Steep		Unstable		Low				
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.																
Walnut																
Other Broadleave			113		52	19	13					197	100			
Conifer spp.																
Total			113		52	19	13					197	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities	NWFPs like Mushroom, Cherata, Fern, Rubia are also found in this sub-compartment.														
	Improvement															
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%
>50	Drashing		100													
	Firewood	329	13	648												
30-49	Cham		100													
	Firewood	1845	71	1491												
20-29	Tsim		###													
	Firewood															
10-19	Poles, etc.															
	Firewood															
Silvicultural Measures				Area in ha implemented per year												
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
Planting																
Thinning	13.0	50%														
Felling																
Assessment carried out by			Basant Thapa										Year:	2019		

Sub-Compartment Record																	
Geog	Getena		Comp.	C2 (Phutsa)		Sub-Comp.	Phutsa 2d		No.	2d							
Areas in ha																	
Non Forest Area	8.7	Protection	44.1	In-operable	94.9	Production	11.9										
Forest Composition and Description																	
Immature stand with closed canopy closure and natural hardwood forest in average conditions. Uneven stands with thick undergrowth,							Stand data										
							Bas. Area (m2/ha)		11.0								
							Tot. Vol. (m3/ha)		88.2								
							Vconifer %										
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleave Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 							Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
							Hemlock		Plantation		Type	%	%				
							Fir		Natural	100	Firewood	50					
							Spruce		Coppice		Bamboo		50				
							Mixed Conifer		Canopy	%	Cane						
							Blue Pine		Dense		Daphne	50					
							Chir Pine		Closed	100							
							Hardwood	100	Open								
							Mixed H/C		Unstocked		Forest Use	I	E				
							Age Class	%	Condition	%	Type	%	%				
							Young		Good		Grazing	50					
							Immature		Average	100	Shokshing						
							Mature	100	Poor		Lopping		50				
							Overmature		Site Characteristics								
							Slope	%	Erosiveness	%	Soil Cover	%					
Gentle		Stable		High													
Moderate	100	Moderate	100	Moderate	100												
Steep		Unstable		Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.		177					4					4	4				
Cinnamomum spp.					21							21	22				
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.	177	354			31	13	4					48	51				
Quercus spp.																	
Schima spp.		354			21							21	22				
Walnut																	
Other Broadleave	531	177															
Conifer spp.																	
Total	707	1061			73	13	8					94	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Uneven stands with thick undergrowth, need to clear unwanted tree with single tree selection.														
	Improvement	√															
	Timber Use	√															
	Firewood Use	√															
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	% (m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
>50	Drashing	100	8	100	218												
	Firewood																
30-49	Cham	396	33	76	405												
	Firewood	370	31		276												
20-29	Tsim			###													
	Firewood																
10-19	Poles, etc.			###													
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting																	
Thinning	5.9	50%															
Felling	5.9	50%															
Assessment carried out by		Ashman Tamang										Year:	2019				

Sub-Compartment Record																																																																																																																																																																																																																		
Geog	Getena		Comp.	C2 (Phutsa)		Sub-Comp.	Phursa 2e		No.	2e																																																																																																																																																																																																								
Areas in ha																																																																																																																																																																																																																		
Non Forest Area			Protection	9.7		In-operable			Production	36.4																																																																																																																																																																																																								
Forest Composition and Description																																																																																																																																																																																																																		
Immature stand with open canopy closure and natural hardwood forest in average conditions. 2 plots falls under private land and local deity area.								Stand data																																																																																																																																																																																																										
								Bas. Area (m2/ha)	5.8																																																																																																																																																																																																									
								Tot. Vol. (m3/ha)	45.2																																																																																																																																																																																																									
								Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																																																																																				
								Hemlock		Plantation		Type	%	%																																																																																																																																																																																																				
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Young		Good	25	Grazing	25	13																																																																																																																																																																																																												
Immature	13	Average	75	Shokshing																																																																																																																																																																																																														
Mature	50	Poor		Lopping	13																																																																																																																																																																																																													
Overmature	38																																																																																																																																																																																																																	
Slope	%	Erosiveness	%	Soil Cover																																																																																																																																																																																																														
Gentle	25	Stable	25	High	13																																																																																																																																																																																																													
Moderate	75	Moderate	75	Moderate	88																																																																																																																																																																																																													
Steep		Unstable		Low																																																																																																																																																																																																														

Future Management & Monitoring of Activities

Manag. Option	No activities	Thinning/improvement for timber species. Good for firewood extraction.															
	Improvement	<input checked="" type="checkbox"/>															
	Timber Use	<input type="checkbox"/>															
	Firewood Use	<input checked="" type="checkbox"/>															
	Silvopasture	<input type="checkbox"/>															
	Sokshing	<input type="checkbox"/>															
Production Potential (N, Volume)				No of trees removed each year													
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
>50	Drashing	77	2	100	164												
	Firewood																
30-49	Cham	817	22	65	819												
	Firewood																
20-29	Tsim	371	10	40	116												
	Firewood																
10-19	Poles, etc.			###													
	Firewood																
Silvicultural Measures				Area in ha implemented per year													
Measure	Area (ha)	in %														Total	%
Planting																	
Thinning	13.7	38%															
Felling	4.6	13%															
Assessment carried out by			Nima Tshering Sherpa											Year:	2019		

Sub-Compartment Record															
Geog	Getena		Comp.	C2 (Phutsa)		Sub-Comp.	Phutsa 2f		No.	2f					
Areas in ha															
Non Forest Area	0.1	Protection	32.8	In-operable		Production	103.3								
Forest Composition and Description															
Immature young stands with open canopy closure and natural hardwood forest in average conditions. Mostly barren areas with undergrowth.							Stand data								
							Bas. Area (m2/ha)		6.4						
							Tot. Vol. (m3/ha)		52.2						
Vconifer %															
							Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
							Hemlock		Plantation		Type	%	%		
							Fir		Natural	100	Firewood				
							Spruce		Coppice		Bamboo	60			
							Mixed Conifer		Canopy	%	Cane				
							Blue Pine		Dense		Daphne				
							Chir Pine		Closed	100					
							Hardwood	100	Open						
							Mixed H/C		Unstocked		Forest Use	I	E		
							Age Class	%	Condition	%	Type	%	%		
							Young		Good		Grazing	60			
							Immature		Average	100	Shokshing				
							Mature	100	Poor		Lopping				
							Overmature		Site Characteristics						
							Slope	%	Erosiveness	%	Soil Cover	%			
Gentle		Stable		High											
Moderate	100	Moderate	100	Moderate	100										
Steep		Unstable		Low											
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)			
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%		
Beilschmiedia spp.						8						8	18		
Cinnamomum spp.		141			12	5						18	43		
Exbucklandia															
Litsea spp.															
Michelia spp.															
Persea spp.	71	71				5	3					8	20		
Quercus spp.															
Schima spp.															
Walnut						3	5					8	18		
Other Broadleave	141	71													
Conifer spp.															
Total	212	283			12	20	8					41	100		
Future Management & Monitoring of Activities															
Manag. Option	No activities		Mostly open area, plantation in barren area. Dispose undesirable species for firewood, thinning to be done and supply poles from this compartment.												
	Improvement	√													
	Timber Use														
	Firewood Use														
	Silvopasture														
	Sokshing														
Production Potential (N, Volume)				No of trees removed each year										Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027		
>50	Drashing	869	8	100	1832										
	Firewood														
30-49	Cham	2077	20	100	2786										
	Firewood	1288	12		769										
20-29	Tsim			###											
	Firewood														
10-19	Poles, etc.			###											
	Firewood														
Silvicultural Measures				Area in ha implemented per year										Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
Planting															
Thinning	41.3	40%													
Felling	20.7	20%													
Assessment carried out by			Nima Tshering Sherpa									Year:	2019		

Sub-Compartment Record																
Geog	Getena	Comp.	C2 (Phutsa)	Sub-Comp.	Phutsa 2g	No.	2g									
Areas in ha																
Non Forest Area	2.6	Protection	38.2	In-operable		Production	37.0									
Forest Composition and Description																
Immature young stands with open canopy closure and natural hardwood forest in average conditions. Mostly barren areas with undergrowth.						Stand data										
						Bas. Area (m2/ha)		10.0								
						Tot. Vol. (m3/ha)		80.7								
Vconifer %																
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleave Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	25					
						Spruce		Coppice		Bamboo	25					
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine		Dense		Daphne		25				
						Chir Pine		Closed	100							
						Hardwood	100	Open								
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	100	Grazing		25				
						Immature		Average		Shokshing						
						Mature	100	Poor		Lopping	25					
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover						
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate	100											
Steep		Unstable		Low												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.	177					3	2					5	5			
Cinnamomum spp.		88			5	3						8	9			
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.	88	265	28	10		9	4	2				54	56			
Quercus spp.					10		2					12	13			
Schima spp.																
Walnut																
Other Broadleave	88	88			5	9	2					17	17			
Conifer spp.																
Total	354	442	28	10	21	25	11	2				96	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Mostly open area, plantation in barren area. Dispose undesirable species for firewood, thinning to be done and supply poles from this compartment.													
	Improvement	√														
	Timber Use															
	Firewood Use															
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%
>50	Drashing	289	8	83	704											
	Firewood	78	2		187											
30-49	Cham	890	24	93	1013											
	Firewood	693	19		575											
20-29	Tsim															
10-19	Firewood															
10-19	Poles, etc.															
10-19	Firewood															
Silvicultural Measures				Area in ha implemented per year												
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
Planting																
Thinning	18.5	50%														
Felling	9.2	25%														
Assessment carried out by				Nima Tshering Sherpa										Year:	2019	

Sub-Compartment Record																																																																																																																																							
Geog	Getena	Comp.	C2 (Phutsa)	Sub-Comp.	Phutsa 2h	No.	2h																																																																																																																																
Areas in ha																																																																																																																																							
Non Forest Area		Protection	66.6	In-operable		Production	72.0																																																																																																																																
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						Tot. Vol. (m3/ha)		126.5																																																																																																																															
Vconifer %																																																																																																																																							
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Other Broadleave					21	6	4					31	30																																																																																																																										
Conifer spp.																																																																																																																																							
Total					42	50	13					105	100																																																																																																																										
Future Management & Monitoring of Activities																																																																																																																																							
Manag. Option	No activities		Mostly open area, plantation in barren area. Dispose undesirable species for firewood, thinning to be done and supply poles from this compartment.																																																																																																																																				
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	Firewood Use																																																																																																																																						
	Silvopasture																																																																																																																																						
	Sokshing																																																																																																																																						
Production Potential (N, Volume)				No of trees removed each year																																																																																																																																			
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%																																																																																																																							
>50	Drashing	909	13	100	2026																																																																																																																																		
	Firewood																																																																																																																																						
30-49	Cham	4369	61	100	5466																																																																																																																																		
	Firewood	2244	31		1613																																																																																																																																		
20-29	Tsim			###																																																																																																																																			
	Firewood																																																																																																																																						
10-19	Poles, etc.			###																																																																																																																																			
	Firewood																																																																																																																																						
Silvicultural Measures				Area in ha implemented per year																																																																																																																																			
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%																																																																																																																								
Planting	6.0	8%																																																																																																																																					
Thinning	12.0	17%																																																																																																																																					
Felling																																																																																																																																							
Assessment carried out by		Nima Tshering Sherpa											Year:	2019																																																																																																																									

Sub-Compartment Record																	
Geog	Getena	Comp.	C2 (Phutsa)	Sub-Comp.	Phutsa 2i	No.	2i										
Areas in ha																	
Non Forest Area		Protection	8.9	In-operable	9.4	Production	56.3										
Forest Composition and Description																	
Immature young stands with open canopy closure and natural hardwood forest in average conditions. Mostly barren areas with undergrowth.						Stand data											
						Bas. Area (m2/ha)		10.0									
						Tot. Vol. (m3/ha)		79.1									
Vconifer %																	
<p>Number of trees/ha by diameter class (dbh>10 cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
						Fir		Natural	100	Firew ood	17						
						Spruce		Coppice		Bamboo	8	8					
						Mixed Conifer		Canopy	%	Cane							
						Blue Pine		Dense		Daphne	8	8					
						Chir Pine		Closed	67								
						Hardw ood	100	Open	33								
						Mixed H/C		Unstocked		Forest Use	I	E					
						Age Class	%	Condition	%	Type	%	%					
						Young	8	Good		Grazing	25	8.3					
						Immature	17	Average	100	Shokshing							
						Mature	75	Poor		Lopping	17	8.3					
						Overmature		Site Characteristics									
						Slope	%	Erosiveness	%	Soil Cover							
Gentle	25	Stable	17	High	17												
Moderate	67	Moderate	75	Moderate	75												
Steep	8	Unstable	8	Low	8												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.					3	2	1					7	5				
Cinnamomum spp.																	
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.			38			6	7		1			52	38				
Quercus spp.			9			4	4					17	13				
Schima spp.																	
Walnut																	
Other Broadleave			38	3	5	8	4	1				59	44				
Conifer spp.																	
Total			85	3	9	21	15	1	1			135	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Mostly open area, plantation in barren area. Dispose undesirable species for firewood, thinning to be done and supply poles from this compartment.														
	Improvement	√															
	Timber Use																
	Firewood Use																
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
>50	Drashing	305	5	79	637												
	Firewood	438	8		1098												
30-49	Cham	1314	23	86	1439												
	Firewood	118	2		155												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting																	
Thinning	9.4	17%															
Felling	9.4	17%															
Assessment carried out by		Nima Tshering Sherpa										Year:	2019				

Sub-Compartment Record																					
Geog	Getena		Comp.	C2 (Phutsa)		Sub-Comp.	Phutsa 2j		No.	2j											
Areas in ha																					
Non Forest Area			Protection	78.0		In-operable			Production	100.8											
Forest Composition and Description																					
Immature young stands with open canopy closure and natural hardwood forest in average conditions. Mostly barren areas with undergrowth.								Stand data													
								Bas. Area (m2/ha)		2.9											
								Tot. Vol. (m3/ha)		21.9											
Vconifer %																					
								Forest Type	%	Stand Type	%	NWFP+firew.	A	S							
								Hemlock		Plantation		Type	%	%							
								Fir		Natural	100	Firewood	18								
								Spruce		Coppice		Bamboo	6								
								Mixed Conifer		Canopy	%	Cane									
								Blue Pine		Dense		Daphne	6	6							
								Chir Pine		Closed	41										
								Hardwood	100	Open	59										
								Mixed H/C		Unstocked		Forest Use	I	E							
								Age Class	%	Condition	%	Type	%	%							
								Young		Good		Grazing	12								
								Immature	41	Average	100	Shokshing									
								Mature	59	Poor		Lopping		5.9							
								Overmature		Site Characteristics											
								Slope	%	Erosiveness	%	Soil Cover	%								
								Gentle		Stable		High									
								Moderate	100	Moderate	100	Moderate	100								
								Steep		Unstable		Low									
								Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
										<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.						1	0					1	3								
Cinnamomum spp.																					
Exbucklandia																					
Litsea spp.																					
Michelia spp.																					
Persea spp.	42	21	7		2	0					9	24									
Quercus spp.					2	0					3	7									
Schima spp.																					
Walnut																					
Other Broadleave	62	83	13	2	5	4	1				26	66									
Conifer spp.																					
Total	104	104	20	2	7	7	3				39	100									
Future Management & Monitoring of Activities																					
Manag. Option	No activities		Mostly open area, plantation in barren area. Dispose undesirable species for firewood, thinning to be done and supply poles from this compartment.																		
	Improvement	√																			
	Timber Use																				
	Firewood Use																				
	Silvopasture																				
	Sokshing																				
Production Potential (N, Volume)				No of trees removed each year										Total	%						
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027			2028					
>50	Drashing	250	2	100	513																
	Firewood	50	0		120																
30-49	Cham	522	5	100	673																
	Firewood	889	9		700																
20-29	Tsim	242	2	100	65																
	Firewood																				
10-19	Poles, etc.																				
	Firewood																				
Silvicultural Measures				Area in ha implemented per year										Total	%						
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028								
Planting	5.9	6%																			
Thinning	5.9	6%																			
Felling	17.8	18%																			
Assessment carried out by			Nima Tshering Sherpa								Year:	2019									

Sub-Compartment Record															
Geog	Getena		Comp.	C3(Bachu)		Sub-Comp.	Bachu 3a		No.	3a					
Areas in ha															
Non Forest Area	9.9		Protection	17.1		In-operable			Production	49.9					
Forest Composition and Description															
Mature stand with open closed closure and natural hardwood forest in average conditions. Young stands needs thinning for better growth.								Stand data							
								Bas. Area (m2/ha)		7.2					
								Tot. Vol. (m3/ha)		51.4					
Vconifer %															
								Forest Type	%	Stand Type	%	NWFP+firew.	A	S	
								Herlock		Plantation		Type	%	%	
								Fir		Natural	100	Fire wood	20	10	
								Spruce		Coppice		Bamboo		10	
								Mixed Conifer		Canopy		Cane			
								Blue Pine		Dense	10	Daphne		10	
								Chir Pine		Closed	60				
								Hardw ood	100	Open	30				
								Mixed H/C		Unstocked		Forest Use	I	E	
								Age Class	%	Condition	%	Type	%	%	
								Young	10	Good	10	Grazing	10	10	
								Immature	10	Average	90	Shokshing			
								Mature	60	Poor		Lopping	10		
								Overmature	20			Site Characteristics			
								Slope	%	Erosiveness	%	Soil Cover	%		
Gentle	20	Stable	30	High	20										
Moderate	70	Moderate	70	Moderate	80										
Steep	10	Unstable		Low											
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)			
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%		
Beilschmiedia spp.															
Cinnamomum spp.															
Exbucklandia															
Litsea spp.															
Michelia spp.															
Persea spp.	35			8	4	5	2				19	17			
Quercus spp.															
Schima spp.					2	1	2				5	4			
Walnut															
Other Broadleave	212		57	16	8	6	3				91	79			
Conifer spp.															
Total	248		57	24	15	13	7				115	100			
Future Management & Monitoring of Activities															
Manag. Option	No activities		Immature to mature stands. Thinning for the better growth of other timber species.												
	Improvement	√													
	Timber Use	√													
	Firewood Use	√													
	Silvopasture														
	Sokshing														
Production Potential (N, Volume)				No of trees removed each year										Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027		
>50	Drashing	336	7	100	710										
	Firewood														
30-49	Cham	1354	27	100	1309										
	Firewood														
20-29	Tsim														
	Firewood														
10-19	Poles, etc.														
	Firewood														
Silvicultural Measures				Area in ha implemented per year										Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
Planting	5.0	10%													
Thinning	10.0	20%													
Felling	5.0	10%													
Assessment carried out by			Ashman Tamang									Year:	2019		

Sub-Compartment Record																			
Geog	Getena	Comp.	C3 (Bachu)	Sub-Comp.	Bachu 3b	No.	3b												
Areas in ha																			
Non Forest Area	16.6	Protection	6.3	In-operable		Production	28.8												
Forest Composition and Description																			
Immature stand with open closed closure and natural hardwood forest in average conditions. Area is covered by NWFPs.						Stand data													
						Bas. Area (m2/ha)		6.0											
						Tot. Vol. (m3/ha)		38.9											
Vconifer %																			
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleaf Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S							
						<th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th>	Age Class	%	Condition	%	Type	%	%						
						Young		Good		Grazing	20								
						Immature	20	Average	100	Shokshing	20								
						Mature	80	Poor		Lopping		20							
						Overmature													
						Slope	%	Erosiveness	%	Soil Cover	%								
						Gentle	20	Stable		High	20								
						Moderate	80	Moderate	100	Moderate	80								
						Steep		Unstable		Low									
						Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
								<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
						Beilschmiedia spp.													
						Cinnamomum spp.			23		8	3						33	34
						Exbucklandia													
Litsea spp.																			
Michelia spp.																			
Persea spp.					4	5						9	9						
Quercus spp.																			
Schima spp.																			
Walnut																			
Other Broadleaf	212			49	8							57	57						
Conifer spp.																			
Total	212		23	49	21	8						100	100						
Future Management & Monitoring of Activities																			
Manag. Option	No activities		Young and immature stands. Thinning of unwanted trees and clearing of bushes for plantation of desirable species.																
	Improvement	√																	
	Timber Use																		
	Firewood Use	√																	
	Silvopasture																		
	Sokshing																		
Production Potential (N, Volume)				No of trees removed each year															
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%			
>50	Drashing			###															
	Firewood																		
30-49	Cham	264	9	56	291														
	Firewood	192	7		169														
20-29	Tsim																		
	Firewood																		
10-19	Poles, etc.			100															
	Firewood	651	23		51														
Silvicultural Measures				Area in ha implemented per year															
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%				
Planting																			
Thinning	11.5	40%																	
Felling	5.8	20%																	
Assessment carried out by		Niam Tshering Sherpa											Year:	2019					

Sub-Compartment Record																
Geog	Getena		Comp.	C3 (Bachu)			Sub-Comp.	Bachu 3c		No.	3c					
Areas in ha																
Non Forest Area	39.1		Protection	16.0			In-operable			Production	24.8					
Forest Composition and Description																
Immature stand with open closure and natural hardwood forest in average conditions, and most of the plots falls under Devithan (local protected area-deity).									Stand data							
									Bas. Area (m2/ha)		10.0					
									Tot. Vol. (m3/ha)		69.0					
Vconifer %																
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleave Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 					Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
					Hemlock		Plantation		Type		%					
					Fir		Natural	100	Firewood	50						
					Spruce		Coppice		Bamboo							
					Mixed Conifer		Canopy	%	Cane							
					Blue Pine		Dense		Daphne							
					Chir Pine		Closed	100								
					Hardwood	100	Open									
					Mixed H/C		Unstocked		Forest Use	I	E					
					Age Class	%	Condition	%	Type	%	%					
					Young		Good	100	Grazing							
					Immature		Average		Shokshing							
					Mature	100	Poor		Lopping							
					Overmature		Site Characteristics									
					Slope	%	Erosiveness	%	Soil Cover	%						
					Gentle		Stable		High							
					Moderate	100	Moderate	100	Moderate	100						
					Steep		Unstable		Low							
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.	177				42						42	36				
Walnut																
Other Broadleave	354	531		41	21	13					74	64				
Conifer spp.																
Total	531	531		41	62	13					116	100				
Future Management & Monitoring of Activities																
Manag. Option	No activities		Young and immature stands. Thinning for the better growth of other timber species.													
	Improvement	√														
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year										Total	%	
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing		###													
	Firewood															
30-49	Cham	1601	65	86	1259											
	Firewood															
20-29	Tsim	1011	41	100	274											
	Firewood															
10-19	Poles, etc.		###													
	Firewood															
Silvicultural Measures				Area in ha implemented per year										Total	%	
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
Planting																
Thinning	12.4	50%														
Felling																
Assessment carried out by			Nima Tshering Sherpa										Year:	2019		

Sub-Compartment Record																	
Geog	Getena		Comp.	C3 (Bachu)			Sub-Comp.	Bachu 3d		No.	3d						
Areas in ha																	
Non Forest Area	5.5		Protection	3.6			In-operable			Production	40.0						
Forest Composition and Description																	
Immature stand with closed canopy closure and natural hardwood forest in average conditions.									Stand data								
									Bas. Area (m2/ha)		4.3						
									Tot. Vol. (m3/ha)		30.3						
Vconifer %																	
Number of trees/ha by diameter class (dbh>10 cm)																	
Forest Type	%	Stand Type	%	NWFP+firew.	A	S											
Hemlock		Plantation		Type	%	%											
Fir		Natural	86	Firewood	29	14											
Spruce		Coppice		Bamboo	14												
Mixed Conifer		Canopy	%	Cane													
Blue Pine		Dense		Daphne		14											
Chir Pine		Closed	57														
Hardwood	100	Open	43														
Mixed H/C		Unstocked		Forest Use			I	E									
Age Class	%	Condition	%	Type	%	%											
Young		Good		Grazing	14	14											
Immature	29	Average	100	Shokshing													
Mature	71	Poor		Lopping	14	14											
Overmature		Site Characteristics															
Slope	%	Erosiveness	%	Soil Cover													
Gentle	29	Stable	29	High	29												
Moderate	71	Moderate	71	Moderate	71												
Steep		Unstable		Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.																	
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.					9	2						11	18				
Quercus spp.																	
Schima spp.																	
Walnut																	
Other Broadleaf	152		16	12	18	4						49	82				
Conifer spp.																	
Total	152		16	12	27	5						60	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Thinning of unwanted stands for better growth of desirable species.														
	Improvement	√															
	Timber Use	√															
	Firewood Use																
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	% (m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
>50			###														
Drashing																	
Firewood																	
30-49	1166	29	91	962													
Cham																	
Firewood																	
20-29																	
Tsim																	
Firewood																	
10-19																	
Poles, etc.																	
Firewood																	
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting																	
Thinning																	
Felling	5.7	14%															
Assessment carried out by			Nima Tshering Sherpa										Year:	2019			

Sub-Compartment Record																	
Geog	Getena	Comp.	C3 (Bachu)	Sub-Comp.	Bachu 3e	No.	3e										
Areas in ha																	
Non Forest Area	6.6	Protection	31.4	In-operable	10.2	Production	127.1										
Forest Composition and Description																	
Immature stand with open canopy closure and natural hardwood forest in average conditions.						Stand data											
						Bas. Area (m2/ha)		4.4									
						Tot. Vol. (m3/ha)		32.7									
Vconifer %																	
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
Fir		Natural	100	Firewood	72	28											
Spruce		Coppice		Bamboo	36												
Mixed Conifer		Canopy	%	Cane	28	4											
Blue Pine		Dense	32	Daphne	32	4											
Chir Pine		Closed	60														
Hardwood	100	Open	8														
Mixed H/C		Unstocked		Forest Use	I	E											
Age Class	%	Condition	%	Type	%	%											
Young	12	Good	44	Grazing	40												
Immature	32	Average	56	Shokshing													
Mature	56	Poor		Lopping	32	20											
Overmature		Site Characteristics															
Slope	%	Erosiveness	%	Soil Cover	%												
Gentle	40	Stable	48	High	28												
Moderate	60	Moderate	52	Moderate	72												
Steep		Unstable		Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.																	
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.					3	2	2	0				7	17				
Quercus spp.																	
Schima spp.																	
Walnut																	
Other Broadleave	85			11	9	10	2	0	0			33	83				
Conifer spp.																	
Total	85			15	11	12	3	0	0			40	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Thinning of unwanted species for better growth of desirable timber species.														
	Improvement	√															
	Timber Use	√															
	Firewood Use																
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
>50	Drashing	310	2	78	704												
	Firewood																
30-49	Cham	1848	15	90	1968												
	Firewood	698	5		493												
20-29	Tsim	828	7	67	233												
	Firewood	414	3		121												
10-19	Poles, etc.			###													
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting																	
Thinning	25.4	20%															
Felling	20.3	16%															
Assessment carried out by		Nima Tshering Sherpa										Year:	2019				

Sub-Compartment Record																
Geog	Getena	Comp.	C3 (Bachu)	Sub-Comp.	Bachu 3f	No.	3f									
Areas in ha																
Non Forest Area	1.8	Protection	21.4	In-operable		Production	159.6									
Forest Composition and Description																
Immature stand with open canopy closure and natural hardwood forest in average conditions.						Stand data										
						Bas. Area (m2/ha)		6.8								
						Tot. Vol. (m3/ha)		48.2								
						Vconifer %										
<p>Number of trees/ha by diameter class (dbh>10 cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	5	40				
						Spruce		Coppice		Bamboo	5	20				
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine		Dense		Daphne	60	40				
						Chir Pine		Closed	25							
						Hardwood	100	Open	75							
						Mixed H/C		Unstocked		Forest Use			I	E		
						Age Class	%	Condition	%	Type	%	%				
						Young	10	Good	35	Grazing	75	20				
						Immature	20	Average	65	Shokshing						
						Mature	70	Poor		Lopping	50	20				
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover		%				
Gentle	30	Stable	30	High	20											
Moderate	70	Moderate	70	Moderate	80											
Steep		Unstable		Low												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.	18			2	3	1						6	8			
Exbucklandia																
Litsea spp.																
Michelia spp.				2	2	2	1					7	10			
Persea spp.																
Quercus spp.																
Schima spp.	18				3	1	0					4	6			
Walnut																
Other Broadleave	71	35	6	20	18	11	2					56	77			
Conifer spp.																
Total	106	35	6	24	26	14	3					73	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning of unwanted species for better growth of desirable timber species.													
	Improvement	√														
	Timber Use	√														
	Firewood Use															
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%
>50	Drashing	537	3	100	1135											
	Firewood															
30-49	Cham	5022	31	91	4276											
	Firewood	764	5		541											
20-29	Tsim	2275	14	83	639											
	Firewood	975	6		250											
10-19	Poles, etc.	903	6	100	63											
	Firewood															
Silvicultural Measures				Area in ha implemented per year												
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
Planting																
Thinning	31.9	20%														
Felling	55.8	35%														
Assessment carried out by		Nima Tshering Sherpa										Year:	2019			

Sub-Compartment Record																	
Geog	Getena	Comp.	C3 (Bachu)	Sub-Comp.	Bachu 3g	No.	3g										
Areas in ha																	
Non Forest Area	3.8	Protection	20.1	In-operable	23.4	Production	70.1										
Forest Composition and Description																	
Immature stand with open canopy closure and natural hardwood forest in average conditions.						Stand data											
						Bas. Area (m2/ha)		16.0									
						Tot. Vol. (m3/ha)		121.3									
Vconifer %																	
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
Fir		Natural	100	Firewood	33	33											
Spruce		Coppice		Bamboo	33												
Mixed Conifer		Canopy	%	Cane		33											
Blue Pine		Dense		Daphne	67	33											
Chir Pine		Closed	67														
Hardwood	100	Open	33														
Mixed H/C		Unstocked		Forest Use		I	E										
Age Class	%	Condition	%	Type	%	%											
Young		Good		Grazing	33												
Immature		Average	100	Shokshing													
Mature	100	Poor		Lopping	67												
Overmature		Site Characteristics															
Slope	%	Erosiveness	%	Soil Cover	%												
Gentle		Stable		High													
Moderate	100	Moderate	100	Moderate	100												
Steep		Unstable		Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.																	
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.																	
Quercus spp.																	
Schima spp.																	
Walnut																	
Other Broadleave					62	34	17	2				115	100				
Conifer spp.																	
Total					62	34	17	2				115	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Thinning of unwanted species for better growth of desirable timber species.														
	Improvement	√															
	Timber Use	√															
	Firewood Use																
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
>50	Drashing	1321	19	100	2749												
	Firewood																
30-49	Cham	6723	96	100	5756												
	Firewood																
20-29	Tsim			###													
	Firewood																
10-19	Poles, etc.			###													
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting																	
Thinning	23.4	33%															
Felling	23.4	33%															
Assessment carried out by		Nima Tshering Sherpa										Year:	2019				

Sub-Compartment Record																
Geog	Getena		Comp.	C3 (Bachu)		Sub-Comp.	Bachu 3h		No.	3h						
Areas in ha																
Non Forest Area	0.7		Protection	31.4		In-operable			Production	82.3						
Forest Composition and Description																
Immature stand with open canopy closure and natural hardwood forest in average conditions.								Stand data								
								Bas. Area (m2/ha)	7.8							
								Tot. Vol. (m3/ha)	62.4							
								Forest Type	%	Stand Type	%	NWFP+firew.	A	S		
								Hemlock		Plantation		Type	%	%		
								Fir		Natural	100	Firewood	15	54		
								Spruce		Coppice		Bamboo	23	23		
								Mixed Conifer		Canopy	%	Cane				
								Blue Pine		Dense	15	Daphne	46	54		
								Chir Pine		Closed	85					
								Hardwood	100	Open						
								Mixed H/C		Unstocked		Forest Use		I	E	
								Age Class	%	Condition	%	Type	%	%		
								Young	8	Good	31	Grazing	15	38		
								Immature	15	Average	69	Shokshing				
								Mature	77	Poor		Lopping	23	46		
								Overmature		Site Characteristics						
								Slope	%	Erosiveness	%	Soil Cover		%		
								Gentle	31	Stable	23	High	23			
								Moderate	69	Moderate	77	Moderate	77			
								Steep		Unstable		Low				
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia					3	2	1	0	0			7	13			
Litsea spp.																
Michelia spp.					2	2	1					5	9			
Persea spp.					5	3						8	14			
Quercus spp.					5	1	1	0				7	12			
Schima spp.																
Walnut																
Other Broadleaf					19	7	3	1				30	53			
Conifer spp.																
Total					34	15	6	2	0			57	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning of unwanted species for better growth of desirable timber species.													
	Improvement	√														
	Timber Use	√														
	Firewood Use															
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%
>50	Drashing	516	6	85	1194											
	Firewood	91	1		261											
30-49	Cham	2983	36	93	2553											
	Firewood	686	8		612											
20-29	Tsim			###												
10-19	Firewood			###												
	Poles, etc.			###												
Firewood																
Silvicultural Measures				Area in ha implemented per year												
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
Planting																
Thinning	12.7	15%														
Felling	19.0	23%														
Assessment carried out by				Nima Tshering Sherpa										Year:	2019	

Sub-Compartment Record																	
Geog	Getena	Comp.	C4 (Cheyul)	Sub-Comp.	Cheyul 4a	No.	4a										
Areas in ha																	
Non Forest Area	28.2	Protection	23.3	In-operable	20.3	Production	88.1										
Forest Composition and Description																	
Immature stand with open canopy closure and natural hardwood forest in average conditions.						Stand data											
						Bas. Area (m2/ha)		4.2		Tot. Vol. (m3/ha)		29.4					
						Vconifer %											
<p>Number of trees/ha by diameter class (dbh>10 cm)</p>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
						Fir		Natural	62	Firewood	77						
						Spruce		Coppice		Bamboo	23						
						Mixed Conifer		Canopy	%	Cane							
						Blue Pine		Dense		Daphne	15						
						Chir Pine		Closed	77								
						Hardwood	100	Open	23								
						Mixed H/C		Unstocked		Forest Use		I	E				
						Age Class	%	Condition	%	Type	%	%					
						Young		Good	31	Grazing	15						
						Immature	62	Average	69	Shokshing							
						Mature	38	Poor		Lopping							
						Overmature		Site Characteristics									
						Slope	%	Erosiveness	%	Soil Cover	%						
Gentle	8	Stable		High													
Moderate	85	Moderate	92	Moderate	100												
Steep	8	Unstable	8	Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.																	
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.					6	1						7	13				
Quercus spp.																	
Schima spp.	27	27	9		5	1						14	26				
Walnut																	
Other Broadleaf	218	136	9	6	16	4						35	61				
Conifer spp.																	
Total	245	163	17	6	27	6						57	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Thinning of pole stands to be used as fencing post. Improvement for better growth of timber species.														
	Improvement	√															
	Timber Use																
	Firewood Use																
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	% (m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
>50	Drashing		###														
	Firewood																
30-49	Cham	1016	12	100	790												
	Firewood	1891	21	100	1535												
20-29	Tsim																
	Firewood	552	6	100	150												
10-19	Poles, etc.																
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting	27.1	31%															
Thinning	47.4	54%															
Felling																	
Assessment carried out by		Norbu Gyeltshen										Year:	2019				

Sub-Compartment Record																
Geog	Getena	Comp.	C4 (Cheyul)	Sub-Comp.	Cheyul 4b	No.	4b									
Areas in ha																
Non Forest Area	27.8	Protection	20.1	In-operable	26.8	Production	60.4									
Forest Composition and Description																
Mature stand with closed canopy closure and natural hardwood forest in average conditions.						Stand data										
						Bas. Area (m2/ha)		3.8								
						Tot. Vol. (m3/ha)		26.4								
Vconifer %																
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
Fir		Natural	100	Firewood	56	44										
Spruce		Coppice		Bamboo	22											
Mixed Conifer		Canopy	%	Cane												
Blue Pine		Dense		Daphne	22											
Chir Pine		Closed	33													
Hardwood	100	Open	67													
Mixed H/C		Unstocked		Forest Use	I	E										
Age Class	%	Condition	%	Type	%	%										
Young	11	Good		Grazing												
Immature	33	Average	100	Shokshing												
Mature	56	Poor		Lopping												
Overmature		Site Characteristics														
Slope	%	Erosiveness	%	Soil Cover												
Gentle		Stable	11	High												
Moderate	78	Moderate	78	Moderate	78											
Steep	22	Unstable	11	Low	22											
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.	39	39			5	1	1					7	13			
Walnut																
Other Broadleaf	157	79	25	5	9	7	1					47	87			
Conifer spp.																
Total	196	118	25	5	14	8	2					54	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning of unwanted species for the growth of timber species.													
	Improvement	√														
	Timber Use	√														
	Firewood Use															
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)					No of trees removed each year										Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing	56	1	100	111											
	Firewood	56	1		124											
30-49	Cham	337	6	100	416											
	Firewood	1005	17		761											
20-29	Tsim			100												
	Firewood	273	5		74											
10-19	Poles, etc.															
	Firewood															
Silvicultural Measures					Area in ha implemented per year										Total	%
Measure	Area (ha)	in %														
Planting	46.9	78%														
Thinning	13.4	22%														
Felling																
Assessment carried out by		Pem Gyeltshen										Year:	2019			

Sub-Compartment Record																
Geog	Getena		Comp.	C4 (Cheyul)			Sub-Comp.	Cheyul 4c		No.	4c					
Areas in ha																
Non Forest Area	11.4		Protection	27.0			In-operable	28.1		Production	117.1					
Forest Composition and Description																
Immature stand with closed canopy closure and natural hardwood forest in average conditions.									Stand data							
									Bas. Area (m2/ha)		4.2					
									Tot. Vol. (m3/ha)		30.0					
									Vconifer %							
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleave Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 									Forest Type	%	Stand Type	%	NWFP+firew.	A	S	
									Hemlock		Plantation		Type	%	%	
									Fir		Natural	100	Firewood	20	4	
									Spruce		Coppice		Bamboo		8	
									Mixed Conifer		Canopy	%	Cane			
									Blue Pine		Dense	12	Daphne	8		
									Chir Pine		Closed	52				
									Hardwood	100	Open	32				
									Mixed H/C		Unstocked	4	Forest Use	I	E	
									Age Class	%	Condition	%	Type	%	%	
									Young	12	Good	20	Grazing	12		
									Immature	48	Average	64	Shokshing			
									Mature	40	Poor	16	Lopping	8		
									Overmature		Site Characteristics					
									Slope	%	Erosiveness	%	Soil Cover	%		
Gentle	20	Stable	12	High	36											
Moderate	64	Moderate	76	Moderate	60											
Steep	16	Unstable	12	Low	4											
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.					2	2	3	0				7	14			
Walnut																
Other Broadleave	28	42	18	2	11	9	2	0				41	86			
Conifer spp.																
Total	28	42	18	3	12	12	2	0				48	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning for better growth of timber species.													
	Improvement	√														
	Timber Use	√														
	Firewood Use															
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year										Total	%	
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing	225	2	87	473											
	Firewood	28	0		85											
30-49	Cham	1330	11	98	1235											
	Firewood	1427	12		1308											
20-29	Tsim															
	Firewood															
10-19	Poles, etc.															
	Firewood															
Silvicultural Measures				Area in ha implemented per year										Total	%	
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
Planting	4.7	4%														
Thinning	23.4	20%														
Felling	9.4	8%														
Assessment carried out by			Pema Gyeltshen										Year:	2019		

Sub-Compartment Record																	
Geog	Getena	Comp.	C4 (Cheyul)	Sub-Comp.	Cheyul 4d	No.	4d										
Areas in ha																	
Non Forest Area	0.3	Protection	21.2	In-operable	25.3	Production	59.0										
Forest Composition and Description																	
Immature stand with open canopy closure and natural hardwood forest in average conditions.						Stand data											
						Bas. Area (m2/ha)		5.0									
						Tot. Vol. (m3/ha)		34.9									
Vconifer %																	
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
						Fir		Natural	100	Firewood		25					
						Spruce		Coppice		Bamboo							
						Mixed Conifer		Canopy	%	Cane							
						Blue Pine		Dense		Daphne							
						Chir Pine		Closed	50								
						Hardwood	100	Open	25								
						Mixed H/C		Unstocked	25	Forest Use	I	E					
						Age Class	%	Condition	%	Type	%	%					
						Young		Good		Grazing	25						
						Immature	25	Average	100	Shokshing							
						Mature	75	Poor		Lopping							
						Overmature		Site Characteristics									
						Slope	%	Erosiveness	%	Soil Cover							
Gentle	25	Stable	25	High	25												
Moderate	50	Moderate	50	Moderate	50												
Steep	25	Unstable	25	Low	25												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.																	
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.					5	2						7	9				
Quercus spp.																	
Schima spp.																	
Walnut																	
Other Broadleave			28	10	18	8	1					66	91				
Conifer spp.																	
Total			28	10	23	9	1					72	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Single tree selection for the better growth of species. Thinning and felling of unwanted tree.														
	Improvement	√															
	Timber Use	√															
	Firewood Use	√															
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
>50	Drashing	62	1	100	122												
	Firewood																
30-49	Cham	678	11	100	665												
	Firewood	1259	21		990												
20-29	Tsim																
	Firewood																
10-19	Poles, etc.																
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting	22.1	38%															
Thinning	29.5	50%															
Felling	7.4	13%															
Assessment carried out by		Norbu Gyeltshen											Year:	2019			

Sub-Compartment Record																																
Geog	Getena	Comp.	C4 (Cheyul)	Sub-Comp.	Cheyul 4e	No.	4e																									
Areas in ha																																
Non Forest Area	4.7	Protection	9,21	In-operable	4.4	Production	34.9																									
Forest Composition and Description																																
Immature young stand with dense canopy closure and natural hardwood forest in good conditions.						Stand data																										
						Bas. Area (m2/ha)		4.3																								
						Tot. Vol. (m3/ha)		28.8																								
Vconifer %																																
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <table border="1"> <thead> <tr> <th>Diameter Class (cm)</th> <th>Number of trees/ha</th> </tr> </thead> <tbody> <tr><td>10-20</td><td>55</td></tr> <tr><td>20-30</td><td>15</td></tr> <tr><td>30-40</td><td>0</td></tr> <tr><td>40-50</td><td>0</td></tr> <tr><td>50-60</td><td>10</td></tr> <tr><td>60-70</td><td>10</td></tr> <tr><td>70-80</td><td>0</td></tr> <tr><td>80-90</td><td>0</td></tr> <tr><td>90+</td><td>0</td></tr> </tbody> </table> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleave Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 						Diameter Class (cm)	Number of trees/ha	10-20	55	20-30	15	30-40	0	40-50	0	50-60	10	60-70	10	70-80	0	80-90	0	90+	0	Forest Type	%	Stand Type	%	NWFP+firew.	A	S
						Diameter Class (cm)	Number of trees/ha																									
						10-20	55																									
						20-30	15																									
						30-40	0																									
						40-50	0																									
						50-60	10																									
						60-70	10																									
						70-80	0																									
						80-90	0																									
						90+	0																									
						Henlock		Plantation		Type	%	%																				
						Fir		Natural	100	Firewood		38																				
						Spruce		Coppice		Bamboo																						
						Mixed Conifer		Canopy	%	Cane																						
Blue Pine		Dense		Daphne																												
Chir Pine		Closed	63																													
Hardwood	100	Open	25																													
Mixed H/C		Unstocked	13	Forest Use	I	E																										
Age Class	%	Condition	%	Type	%	%																										
Young	13	Good	13	Grazing	25																											
Immature	75	Average	75	Shokshing																												
Mature	13	Poor	13	Lopping																												
Overmature		Site Characteristics																														
Slope	%	Erosiveness	%	Soil Cover	%																											
Gentle	25	Stable	25	High	25																											
Moderate	63	Moderate	63	Moderate	63																											
Steep	13	Unstable	13	Low	13																											
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)																				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%																			
Beilschmiedia spp.																																
Cinnamomum spp.																																
Exbucklandia																																
Litsea spp.																																
Michelia spp.																																
Persea spp.																																
Quercus spp.																																
Schima spp.																																
Walnut																																
Other Broadleave	133	88	57	15			11					82	100																			
Conifer spp.																																
Total	133	88	57	15			11					82	100																			
Future Management & Monitoring of Activities																																
Manag. Option	No activities		Thinning of unwanted species for the better growth of desirable timber species. Plantation needs to be done in barren area.																													
	Improvement	√																														
	Timber Use	√																														
	Firewood Use																															
	Silvopasture																															
	Sokshing																															
Production Potential (N, Volume)				No of trees removed each year																												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%																
>50	Drashing		100																													
	Firewood	368	11		724																											
30-49	Cham		###																													
	Firewood																															
20-29	Tsim		100																													
	Firewood	534	15		145																											
10-19	Poles, etc.																															
	Firewood																															
Silvicultural Measures				Area in ha implemented per year																												
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%																	
Planting	8.7	25%																														
Thinning	13.1	38%																														
Felling	4.4	13%																														
Assessment carried out by		Norbu Gyeltshen											Year:	2019																		

Sub-Compartment Record																			
Geog	Getena	Comp.	C4 (Cheyul)	Sub-Comp.	Cheyul 4f	No.	4f												
Areas in ha																			
Non Forest Area	18.6	Protection	7.4	In-operable	5.0	Production	65.3												
Forest Composition and Description																			
Mature stand with closed canopy closure and natural hardwood forest in good conditions. Cane and bamboo area. Mostly dominated by cham size trees.						Stand data													
						Bas. Area (m2/ha)	5.5												
						Tot. Vol. (m3/ha)	35.7												
						Vconifer %													
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Cinnamomum spp. Exbucklandia Litsea spp. Michelia spp. Persea spp. Quercus spp. Schima spp. Walnut Other Broadleave Conifer spp. 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S							
						Hemlock		Plantation		Type	%	%							
						Fir		Natural	100	Firewood		42							
						Spruce		Coppice		Bamboo									
						Mixed Conifer		Canopy	%	Cane									
						Blue Pine		Dense	8	Daphne									
						Chir Pine		Closed	58										
						Hardwood	100	Open	25										
						Mixed H/C		Unstocked	8	Forest Use	I	E							
						Age Class	%	Condition	%	Type	%	%							
						Young	17	Good		Grazing	33								
						Immature	58	Average	100	Shokshing									
						Mature	25	Poor		Lopping									
						Overmature		Site Characteristics											
						Slope	%	Erosiveness	%	Soil Cover	%								
						Gentle	17	Stable	8	High	17								
						Moderate	83	Moderate	92	Moderate	75								
						Steep		Unstable		Low	8								
						Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)	
								<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%
Beilschmiedia spp.																			
Cinnamomum spp.																			
Exbucklandia																			
Litsea spp.																			
Michelia spp.																			
Persea spp.																			
Quercus spp.																			
Schima spp.	29	29	28			5		1				34	29						
Walnut																			
Other Broadleave	236	29	57		17	7	1					82	71						
Conifer spp.																			
Total	265	59	85		17	13	1	1				116	100						
Future Management & Monitoring of Activities																			
Manag. Option	No activities		Thinning and improvement for the better growth of pole stands. Area mostly dominated by cham size trees.																
	Improvement	√																	
	Timber Use																		
	Firewood Use																		
	Silvopasture																		
	Sokshing																		
Production Potential (N, Volume)					No of trees removed each year										Total	%			
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028					
>50	Drashing		58																
	Firewood	46	1	90															
30-49	Cham		54																
	Firewood	1045	16	960															
20-29	Tsim		###																
	Firewood																		
10-19	Poles, etc.																		
	Firewood																		
Silvicultural Measures					Area in ha implemented per year										Total	%			
Measure	Area (ha)	in %	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028							
Planting	10.9	17%																	
Thinning	38.1	58%																	
Felling	5.4	8%																	
Assessment carried out by		Norbu Gyeltshen										Year:	2019						

Sub-Compartment Record																								
Geog	Getena		Comp.	C4 (Cheyul)		Sub-Comp.	Cheyul 4g		No.	4g														
Areas in ha																								
Non Forest Area	0.0		Protection	2.3		In-operable			Production	135.7														
Forest Composition and Description																								
Mature stand with closed canopy closure and natural hardwood forest in good conditions. Cane and bamboo area. Mostly dominated by cham size trees.								Stand data																
								Bas. Area (m2/ha)		10.0														
								Tot. Vol. (m3/ha)		76.9														
Vconifer %																								
Number of trees/ha by diameter class (dbh>10 cm)																								
<table border="1"> <tr> <td>Beilschmiedia spp.</td> <td>Cinnamomum spp.</td> <td>Exbucklandia</td> </tr> <tr> <td>Litsea spp.</td> <td>Michelia spp.</td> <td>Persea spp.</td> </tr> <tr> <td>Quercus spp.</td> <td>Schima spp.</td> <td>Walnut</td> </tr> <tr> <td>Other Broadleave</td> <td>Conifer spp.</td> <td></td> </tr> </table>													Beilschmiedia spp.	Cinnamomum spp.	Exbucklandia	Litsea spp.	Michelia spp.	Persea spp.	Quercus spp.	Schima spp.	Walnut	Other Broadleave	Conifer spp.	
Beilschmiedia spp.	Cinnamomum spp.	Exbucklandia																						
Litsea spp.	Michelia spp.	Persea spp.																						
Quercus spp.	Schima spp.	Walnut																						
Other Broadleave	Conifer spp.																							
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																		
Hemlock		Plantation		Type	%	%																		
Fir		Natural	100	Firewood	29																			
Spruce		Coppice		Bamboo		14																		
Mixed Conifer		Canopy	%	Cane																				
Blue Pine		Dense	29	Daphne	29																			
Chir Pine		Closed	57																					
Hardwood	100	Open	14																					
Mixed H/C		Unstocked		Forest Use																				
Age Class	%	Condition	%	Type	%	%																		
Young		Good		Grazing	43																			
Immature	14	Average	100	Shokshing																				
Mature	71	Poor		Lopping	14																			
Overmature	14	Site Characteristics																						
Slope	%	Erosiveness	%	Soil Cover	%																			
Gentle	29	Stable	29	High	29																			
Moderate	71	Moderate	71	Moderate	71																			
Steep		Unstable		Low																				
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)												
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%											
Beilschmiedia spp.																								
Cinnamomum spp.																								
Exbucklandia																								
Litsea spp.																								
Michelia spp.																								
Persea spp.							6					6	7											
Quercus spp.																								
Schima spp.					9	7						16	18											
Walnut																								
Other Broadleave				47		11	5	4				66	75											
Conifer spp.																								
Total				47	9	18	11	4				89	100											
Future Management & Monitoring of Activities																								
Manag. Option	No activities		Thinning and improvement for the better growth of pole stands. Area mostly dominated by cham size trees.																					
	Improvement	√																						
	Timber Use																							
	Firewood Use																							
	Silvopasture																							
	Sokshing																							
Production Potential (N, Volume)					No of trees removed each year										Total	%								
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028										
>50	Drashing	1376	10	100	3232																			
	Firewood	677	5		1697																			
30-49	Cham	731	5	100	902																			
	Firewood	2915	21		2885																			
20-29	Tsim																							
10-19	Firewood																							
	Poles, etc.			###																				
	Firewood																							
Silvicultural Measures					Area in ha implemented per year										Total	%								
Measure	Area (ha)	in %	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028												
Planting																								
Thinning	96.9	71%																						
Felling	38.8	29%																						
Assessment carried out by			Norbu Gyeltshen										Year:	2019										

Sub-Compartment Record																
Geog	Getena	Comp.	C5 (Pangtsela)	Sub-Comp.	Pangtsela 5a	No.	5a									
Areas in ha																
Non Forest Area	3.0	Protection	14.1	In-operable	4.5	Production	72.5									
Forest Composition and Description																
Mature stand with closed canopy closure and natural hardwood forest in average to good conditions of forest.						Stand data										
						Bas. Area (m2/ha)		8.6								
						Tot. Vol. (m3/ha)		70.0								
Vconifer %																
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
Fir		Natural	100	Firewood	38	63										
Spruce		Coppice		Bamboo	31	13										
Mixed Conifer		Canopy	%	Cane												
Blue Pine		Dense		Daphne												
Chir Pine		Closed	100													
Hardwood	100	Open														
Mixed H/C		Unstocked		Forest Use			I	E								
Age Class	%	Condition	%	Type	%	%										
Young		Good	38	Grazing												
Immature		Average	63	Shokshing												
Mature	100	Poor		Lopping												
Overmature		Site Characteristics														
Slope	%	Erosiveness	%	Soil Cover			%									
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate			100									
Steep		Unstable		Low												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.						3	1					4	7			
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.		44				5	2	0				7	14			
Quercus spp.																
Schima spp.					1	5	3					9	17			
Walnut																
Other Broadleave	22	44		5	5	15	6	1				33	62			
Conifer spp.																
Total	22	88		5	6	28	12	2				53	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning and single tree selection for better growth of other timber species. Felling of unwanted trees for firewood.													
	Improvement	√														
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%
>50	Drashing	627	9	100	1312											
	Firewood	360	5		859											
30-49	Cham	1994	28	81	2491											
	Firewood															
20-29	Tsim															
	Firewood															
10-19	Poles, etc.			###												
	Firewood															
Silvicultural Measures				Area in ha implemented per year												
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
Planting																
Thinning	13.6	19%														
Felling	9.1	13%														
Assessment carried out by		Phub Tshering											Year:	2019		

Sub-Compartment Record																	
Geog	Getena	Comp.	C5 (Pangtsela)	Sub-Comp.	Pangtsela 5b	No.	5b										
Areas in ha																	
Non Forest Area	10.0	Protection	19.7	In-operable		Production	78.4										
Forest Composition and Description																	
Immature stand with closed canopy closure and natural hardwood forest in average conditions of forest.						Stand data											
						Bas. Area (m2/ha)		8.7									
						Tot. Vol. (m3/ha)		71.0									
Vconifer %																	
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
						Fir		Natural	100	Firewood	13	67					
						Spruce		Coppice		Bamboo							
						Mixed Conifer		Canopy	%	Cane							
						Blue Pine		Dense		Daphne							
						Chir Pine		Closed	80								
						Hardwood	100	Open	20								
						Mixed H/C		Unstocked		Forest Use	I	E					
						Age Class	%	Condition	%	Type	%	%					
						Young		Good		Grazing	13						
						Immature		Average	100	Shokshing							
						Mature	100	Poor		Lopping							
						Overmature		Site Characteristics									
						Slope	%	Erosiveness	%	Soil Cover	%						
Gentle		Stable		High													
Moderate	100	Moderate	100	Moderate	100												
Steep		Unstable		Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.		47		3	3	3	1					9	19				
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.																	
Quercus spp.																	
Schima spp.							1	2				3	6				
Walnut																	
Other Broadleave	47	71		3	3	11	13	5				35	75				
Conifer spp.																	
Total	47	118		5	6	13	15	6				46	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Thinning and improvement is needed in this sub-compartments for better growth of timber species.														
	Improvement	√															
	Timber Use	√															
	Firewood Use	√															
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
>50	Drashing	654	8	96	1436												
	Firewood	962	12		2252												
30-49	Cham	854	11	71	1076												
	Firewood	197	3		243												
20-29	Tsim																
20-19	Firewood																
10-19	Poles, etc.			###													
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting																	
Thinning	52.3	67%															
Felling																	
Assessment carried out by		phub tshering										Year:	2019				

Sub-Compartment Record																
Geog	Getena	Comp.	C5 (Pangtsela)	Sub-Comp.	Pangtsela 5c	No.	5c									
Areas in ha																
Non Forest Area	0.8	Protection	23.5	In-operable		Production	78.1									
Forest Composition and Description																
Immature stand with closed canopy closure and natural hardwood forest in average conditions of forest.						Stand data										
						Bas. Area (m2/ha)		8.2								
						Tot. Vol. (m3/ha)		67.2								
						Vconifer %										
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	9	45				
						Spruce		Coppice		Bamboo	9	27				
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine		Dense		Daphne						
						Chir Pine		Closed	100							
						Hardwood	100	Open								
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	9	Grazing	9.1					
						Immature		Average	91	Shokshing						
						Mature	100	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
						Gentle		Stable		High	9					
						Moderate	100	Moderate	100	Moderate	100					
						Steep		Unstable		Low						
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.						1	4					5	12			
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.																
Walnut																
Other Broadleaf	64	64		7	2	9	13	3	2			37	88			
Conifer spp.																
Total	64	64		7	2	10	17	3	2			42	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Removal of unwanted trees for better growth of timber species.													
	Improvement	√														
	Timber Use	√														
	Firewood Use															
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year										Total	%	
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing	658	8	100	1284											
	Firewood	1075	14		2709											
30-49	Cham	804	10	84	1001											
	Firewood															
20-29	Tsim															
	Firewood															
10-19	Poles, etc.			###												
	Firewood															
Silvicultural Measures				Area in ha implemented per year										Total	%	
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
Planting																
Thinning	28.4	36%														
Felling																
Assessment carried out by		Phub Tshering										Year:	2019			

Sub-Compartment Record																								
Geog	Getena		Comp.	C5 (Pangtsela)		Sub-Comp.	Pangtsela 5d		No.	5d														
Areas in ha																								
Non Forest Area	0.3		Protection	23.5		In-operable			Production	60.1														
Forest Composition and Description																								
Mature stand with closed canopy closure and natural hardwood forest in average conditions of forest. Good number of special class tree and good number of cham size trees. Uneven mature stands with thick undergrowth.								Stand data																
								Bas. Area (m2/ha)		8.4														
								Tot. Vol. (m3/ha)		68.5														
Vconifer %																								
Number of trees/ha by diameter class (dbh>10 cm)																								
<table border="1"> <tr> <td>Beilschmiedia spp.</td> <td>Cinnamomum spp.</td> <td>Exbucklandia</td> </tr> <tr> <td>Litsea spp.</td> <td>Michelia spp.</td> <td>Persea spp.</td> </tr> <tr> <td>Quercus spp.</td> <td>Schima spp.</td> <td>Walnut</td> </tr> <tr> <td>Other Broadleave</td> <td>Conifer spp.</td> <td></td> </tr> </table>													Beilschmiedia spp.	Cinnamomum spp.	Exbucklandia	Litsea spp.	Michelia spp.	Persea spp.	Quercus spp.	Schima spp.	Walnut	Other Broadleave	Conifer spp.	
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Other Broadleave	Conifer spp.																							
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																		
Hemlock		Plantation		Type	%	%																		
Fir		Natural	100	Firewood	14	57																		
Spruce		Coppice		Bamboo	14	29																		
Mixed Conifer		Canopy	%	Cane																				
Blue Pine		Dense		Daphne																				
Chir Pine		Closed	100																					
Hardwood	100	Open																						
Mixed H/C		Unstocked		Forest Use	I	E																		
Age Class	%	Condition	%	Type	%	%																		
Young		Good	21	Grazing		14																		
Immature		Average	79	Shokshing																				
Mature	100	Poor		Lopping																				
Overmature		Site Characteristics																						
Slope	%	Erosiveness	%	Soil Cover																				
Gentle		Stable		High																				
Moderate	100	Moderate	100	Moderate	100																			
Steep		Unstable		Low																				
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)												
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%											
Beilschmiedia spp.																								
Cinnamomum spp.	25				3			1				4	8											
Exbucklandia																								
Litsea spp.																								
Michelia spp.																								
Persea spp.																								
Quercus spp.																								
Schima spp.						4	1	1				6	13											
Walnut																								
Other Broadleave		126			4	19	8	3				35	79											
Conifer spp.																								
Total	25	126			4	25	10	5				44	100											
Future Management & Monitoring of Activities																								
Manag. Option	No activities		Thinning and felling of unwanted tree will be used for firewood and improvement for the better growth of timber species. Clearing of thick undergrowth will ease the regeneration of seedlings.																					
	Improvement	√																						
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	Silvopasture																							
	Sokshing																							
Production Potential (N, Volume)				No of trees removed each year										Total	%									
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028										
>50	Drashing	527	9	90	1174																			
	Firewood	274	5		672																			
30-49	Cham	1187	20	76	1470																			
	Firewood	162	3		200																			
20-29	Tsim			###																				
	Firewood																							
10-19	Poles, etc.			###																				
	Firewood																							
Silvicultural Measures				Area in ha implemented per year										Total	%									
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028											
Planting																								
Thinning	17.2	29%																						
Felling																								
Assessment carried out by			Phub Tshering										Year:	2019										

Sub-Compartment Record																																																																																																																																										
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Walnut																																																																																																																																										
Other Broadleave	20	157			1	15	10	4				30	85																																																																																																																													
Conifer spp.																																																																																																																																										
Total	20	157			1	18	12	5				36	100																																																																																																																													
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30-49	Cham	1426	17	100	1687																																																																																																																																					
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	Firewood	239	8		537																																																																																																																																															
30-49	Cham	1185	38	64	1429																																																																																																																																															
	Firewood																																																																																																																																																			
20-29	Tsim																																																																																																																																																			
	Firewood																																																																																																																																																			
10-19	Poles, etc.			###																																																																																																																																																
	Firewood																																																																																																																																																			
Silvicultural Measures				Area in ha implemented per year																																																																																																																																																
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%																																																																																																																																					
Planting																																																																																																																																																				
Thinning																																																																																																																																																				
Felling																																																																																																																																																				
Assessment carried out by		Phub Tshering											Year:	2019																																																																																																																																						

Sub-Compartment Record																
Geog	Getena	Comp.	C5 (Pangtsela)	Sub-Comp.	Pangtsela 5g	No.	5g									
Areas in ha																
Non Forest Area		Protection	8.5	In-operable		Production	30.9									
Forest Composition and Description																
Mature stand with closed canopy closure and natural hardwood forest in average conditions of forest. Good number of special class tree and good number of cham size trees. Uneven mature stands with thick undergrowth.						Stand data										
						Bas. Area (m2/ha)		14.0								
						Tot. Vol. (m3/ha)		108.9								
Vconifer %																
<p style="text-align: center;">Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Cinnamomum spp. Exbucklandia Litsea spp. Michelia spp. Persea spp. Quercus spp. Schima spp. Walnut Other Broadleave Conifer spp. 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	17	67				
						Spruce		Coppice		Bamboo		67				
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine		Dense		Daphne						
						Chir Pine		Closed	100							
						Hardwood	100	Open								
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good		Grazing						
						Immature		Average	100	Shokshing						
						Mature	100	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover	%					
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate	100											
Steep		Unstable		Low												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.																
Walnut																
Other Broadleave	118	236		20	21	31	18	5				96	100			
Conifer spp.																
Total	118	236		20	21	31	18	5				96	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning and felling of unwanted tree will be used for firewood and improvement for the better growth of timber species. Clearing of thick undergrowth will ease the regeneration of seedlings.													
	Improvement	√														
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year												
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%
>50	Drashing	581	19	100	1210											
	Firewood	136	4		365											
30-49	Cham	1012	33	67	1186											
	Firewood	65	2		80											
20-29	Tsim															
20-29	Firewood															
10-19	Poles, etc.			###												
	Firewood															
Silvicultural Measures				Area in ha implemented per year												
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	%	
Planting																
Thinning	15.4	50%														
Felling																
Assessment carried out by		Phub Tshering											Year:	2019		

Sub-Compartment Record																								
Geog	Getena		Comp.	C5 (Pangtsela)		Sub-Comp.	Pangtsela 5h		No.	5h														
Areas in ha																								
Non Forest Area	1.8		Protection	9.6		In-operable			Production	41.3														
Forest Composition and Description																								
Mature stand with closed canopy closure and natural hardwood forest in average conditions of forest. Good number of special class tree and good number of cham size trees. Uneven mature stands with thick undergrowth.								Stand data																
								Bas. Area (m2/ha)		7.3														
								Tot. Vol. (m3/ha)		57.1														
Vconifer %																								
Number of trees/ha by diameter class (dbh>10 cm)																								
<table border="1"> <tr> <td><input type="checkbox"/> Beilschmiedia spp.</td> <td><input type="checkbox"/> Cinnamomum spp.</td> <td><input type="checkbox"/> Exbucklandia</td> </tr> <tr> <td><input type="checkbox"/> Litsea spp.</td> <td><input type="checkbox"/> Michelia spp.</td> <td><input type="checkbox"/> Persea spp.</td> </tr> <tr> <td><input type="checkbox"/> Quercus spp.</td> <td><input type="checkbox"/> Schima spp.</td> <td><input type="checkbox"/> Walnut</td> </tr> <tr> <td><input type="checkbox"/> Other Broadleave</td> <td><input type="checkbox"/> Conifer spp.</td> <td></td> </tr> </table>													<input type="checkbox"/> Beilschmiedia spp.	<input type="checkbox"/> Cinnamomum spp.	<input type="checkbox"/> Exbucklandia	<input type="checkbox"/> Litsea spp.	<input type="checkbox"/> Michelia spp.	<input type="checkbox"/> Persea spp.	<input type="checkbox"/> Quercus spp.	<input type="checkbox"/> Schima spp.	<input type="checkbox"/> Walnut	<input type="checkbox"/> Other Broadleave	<input type="checkbox"/> Conifer spp.	
<input type="checkbox"/> Beilschmiedia spp.	<input type="checkbox"/> Cinnamomum spp.	<input type="checkbox"/> Exbucklandia																						
<input type="checkbox"/> Litsea spp.	<input type="checkbox"/> Michelia spp.	<input type="checkbox"/> Persea spp.																						
<input type="checkbox"/> Quercus spp.	<input type="checkbox"/> Schima spp.	<input type="checkbox"/> Walnut																						
<input type="checkbox"/> Other Broadleave	<input type="checkbox"/> Conifer spp.																							
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																		
Herlock		Plantation		Type	%	%																		
Fir		Natural	100	Firewood		50																		
Spruce		Coppice		Bamboo		33																		
Mixed Conifer		Canopy	%	Cane																				
Blue Pine		Dense		Daphne																				
Chir Pine		Closed	33																					
Hardwood	100	Open	67																					
Mixed H/C		Unstocked		Forest Use			I	E																
Age Class	%	Condition	%	Type	%	%																		
Young		Good		Grazing																				
Immature		Average	33	Shokshing																				
Mature	100	Poor	67	Lopping																				
Overmature		Site Characteristics																						
Slope	%	Erosiveness	%	Soil Cover			%																	
Gentle		Stable		High																				
Moderate	100	Moderate	100	Moderate			100																	
Steep		Unstable		Low																				
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)												
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%											
Beilschmiedia spp.																								
Cinnamomum spp.						4						4	9											
Exbucklandia																								
Litsea spp.																								
Michelia spp.																								
Persea spp.																								
Quercus spp.																								
Schima spp.																								
Walnut																								
Other Broadleave	59	177			10	27	6					43	91											
Conifer spp.																								
Total	59	177			10	31	6					47	100											
Future Management & Monitoring of Activities																								
Manag. Option	No activities		Thinning and felling of unwanted tree will be used for firewood and improvement for the better growth of timber species. Clearing of thick undergrowth will ease the regeneration of seedlings.																					
	Improvement	<input checked="" type="checkbox"/>																						
	Timber Use	<input checked="" type="checkbox"/>																						
	Firewood Use	<input checked="" type="checkbox"/>																						
	Silvopasture	<input type="checkbox"/>																						
	Sokshing	<input type="checkbox"/>																						
Production Potential (N, Volume)				No of trees removed each year										Total	%									
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028										
>50	Drashing	174	4	100	343																			
	Firewood	58	1		114																			
30-49	Cham	1039	25	83	1301																			
	Firewood	403	10		414																			
20-29	Tsim			###																				
	Firewood																							
10-19	Poles, etc.			###																				
	Firewood																							
Silvicultural Measures				Area in ha implemented per year										Total	%									
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028											
Planting																								
Thinning	13.8	33%																						
Felling																								
Assessment carried out by			Phub Tshering										Year:	2019										

Sub-Compartment Record																	
Geog	Getena	Comp.	C5 (Pangtsela)	Sub-Comp.	Pangtsela 5i	No.	5i										
Areas in ha																	
Non Forest Area	5.0	Protection	5.5	In-operable		Production	29.7										
Forest Composition and Description																	
Mature stand with closed canopy closure and natural hardwood forest in average conditions of forest. Good number of special class tree and good number of cham size trees. Uneven mature stands with thick undergrowth.						Stand data											
						Bas. Area (m2/ha)		8.7									
						Tot. Vol. (m3/ha)		71.1									
Vconifer %																	
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
Fir		Natural	100	Firewood		67											
Spruce		Coppice		Bamboo													
Mixed Conifer		Canopy	%	Cane													
Blue Pine		Dense		Daphne													
Chir Pine		Closed	17														
Hardwood	100	Open	67														
Mixed H/C		Unstocked	17	Forest Use	I	E											
Age Class	%	Condition	%	Type	%	%											
Young		Good		Grazing													
Immature		Average	100	Shokshing													
Mature	100	Poor	17	Lopping													
Overmature		Site Characteristics															
Slope	%	Erosiveness	%	Soil Cover													
Gentle		Stable		High													
Moderate	100	Moderate	100	Moderate	100												
Steep		Unstable		Low													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.						6	3					9	18				
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.																	
Quercus spp.						6	1					8	15				
Schima spp.																	
Walnut																	
Other Broadleaf		236					27	6				33	66				
Conifer spp.																	
Total		236				40	10					50	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Thinning and felling of unwanted tree will be used for firewood and improvement for the better growth of timber species. Clearing of thick undergrowth will ease the regeneration of seedlings.														
	Improvement	√															
	Timber Use	√															
	Firewood Use	√															
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
>50	Drashing	250	8	100	507												
	Firewood	42	1		82												
30-49	Cham	871	29	100	1139												
	Firewood	311	10		384												
20-29	Tsim			###													
	Firewood																
10-19	Poles, etc.			###													
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting																	
Thinning	9.9	33%															
Felling																	
Assessment carried out by		Phub Tshering											Year:	2019			

Sub-Compartment Record																
Geog	Getena	Comp.	C5 (Pangtsela)	Sub-Comp.	Pangtsela 5j	No.	5j									
Areas in ha																
Non Forest Area	14.9	Protection	19.2	In-operable		Production	69.0									
Forest Composition and Description																
Mature stand with closed canopy closure and natural hardwood forest in average conditions of forest. Good number of special class tree and good number of cham size trees. Uneven mature stands with thick undergrowth.						Stand data										
						Bas. Area (m2/ha)		11.0								
						Tot. Vol. (m3/ha)		85.7								
Vconifer %																
Number of trees/ha by diameter class (dbh>10 cm)						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	25	17				
						Spruce		Coppice		Bamboo	8	17				
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine		Dense		Daphne						
						Chir Pine		Closed	100							
						Hardwood	100	Open								
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	25	Grazing						
						Immature		Average	75	Shokshing						
						Mature	100	Poor		Lopping						
						Overmature		Site Characteristics								
Slope	%	Erosiveness	%	Soil Cover												
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate	100											
Steep		Unstable		Low												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.																
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.																
Walnut																
Other Broadleaf		118		7	14	37	12	2				71	100			
Conifer spp.																
Total		118		7	14	37	12	2				71	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning and felling of unwanted tree will be used for firewood and improvement for the better growth of timber species. Clearing of thick undergrowth will ease the regeneration of seedlings.													
	Improvement	√														
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year										Total	%	
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing	435	6	100	858											
	Firewood	526	8		1180											
30-49	Cham	2310	33	86	2640											
	Firewood	698	10		791											
20-29	Tsim															
	Firewood															
10-19	Poles, etc.			###												
	Firewood															
Silvicultural Measures				Area in ha implemented per year										Total	%	
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
Planting																
Thinning																
Felling																
Assessment carried out by		Phub Tshering										Year:	2019			

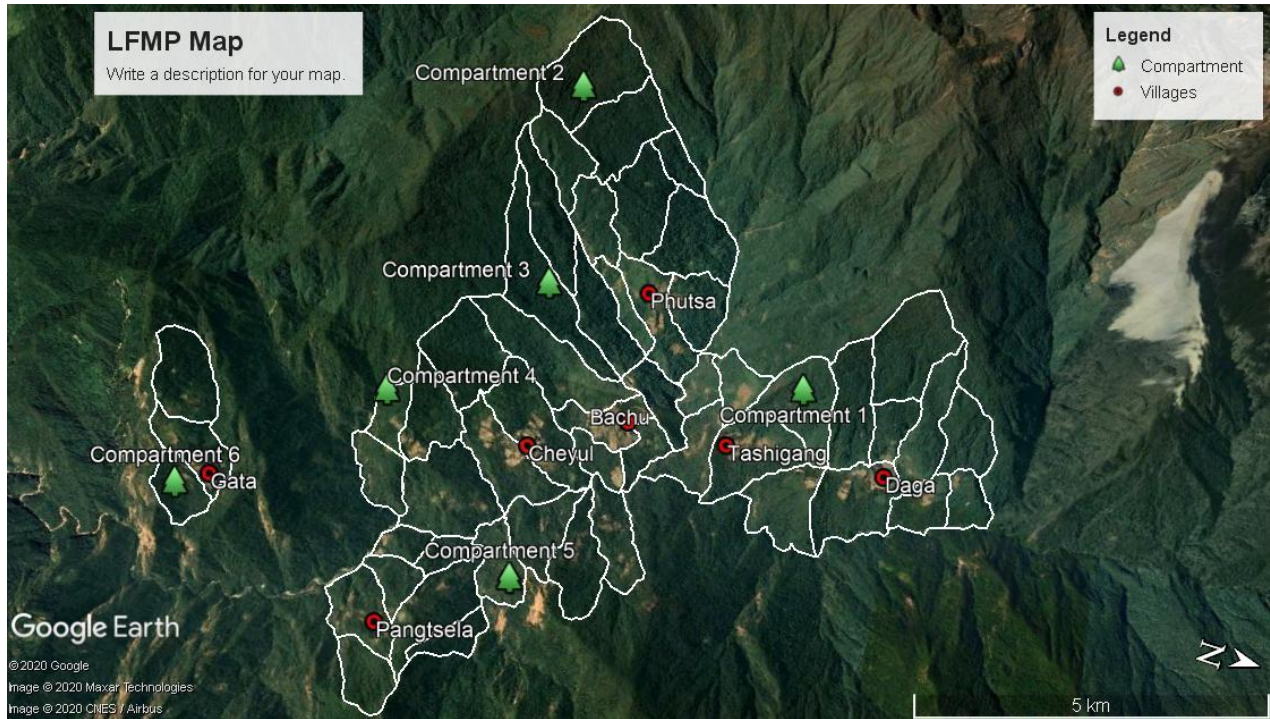
Sub-Compartment Record																
Geog	Getena	Comp.	C5 (Pangtsela)	Sub-Comp.	Pangtsela 5k	No.	5k									
Areas in ha																
Non Forest Area	0.3	Protection	18.7	In-operable		Production	52.2									
Forest Composition and Description																
Mature stand with closed canopy closure and natural hardwood forest in average conditions of forest. Good number of special class tree and good number of cham size trees. Uneven mature stands with thick undergrowth.						Stand data										
						Bas. Area (m2/ha)		9.8								
						Tot. Vol. (m3/ha)		77.1								
Vconifer %																
<p>Number of trees/ha by diameter class (dbh>10 cm)</p> <p>Legend:</p> <ul style="list-style-type: none"> Beilschmiedia spp. Litsea spp. Quercus spp. Other Broadleave Cinnamomum spp. Michelia spp. Schima spp. Conifer spp. Exbucklandia Persea spp. Walnut 						Forest Type	%	Stand Type	%	NWFP+firew.	A	S				
						Hemlock		Plantation		Type	%	%				
						Fir		Natural	100	Firewood	11	33				
						Spruce		Coppice		Bamboo	11	22				
						Mixed Conifer		Canopy	%	Cane						
						Blue Pine		Dense		Daphne						
						Chir Pine		Closed	56							
						Hardwood	100	Open	44							
						Mixed H/C		Unstocked		Forest Use	I	E				
						Age Class	%	Condition	%	Type	%	%				
						Young		Good	11	Grazing						
						Immature		Average	89	Shokshing						
						Mature	100	Poor		Lopping						
						Overmature		Site Characteristics								
						Slope	%	Erosiveness	%	Soil Cover						
Gentle		Stable		High												
Moderate	100	Moderate	100	Moderate	100											
Steep		Unstable		Low												
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)				
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%			
Beilschmiedia spp.																
Cinnamomum spp.						4	1					5	8			
Exbucklandia																
Litsea spp.																
Michelia spp.																
Persea spp.																
Quercus spp.																
Schima spp.						4	1					5	8			
Walnut																
Other Broadleave		196		5	12	24	8	3				51	83			
Conifer spp.																
Total		196		5	12	32	10	3				61	100			
Future Management & Monitoring of Activities																
Manag. Option	No activities		Thinning and felling of unwanted tree will be used for firewood and improvement for the better growth of timber species. Clearing of thick undergrowth will ease the regeneration of seedlings.													
	Improvement	√														
	Timber Use	√														
	Firewood Use	√														
	Silvopasture															
	Sokshing															
Production Potential (N, Volume)				No of trees removed each year											Total	%
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
>50	Drashing	390	7	93	767											
	Firewood	237	5		613											
30-49	Cham	1458	28	64	1823											
	Firewood															
20-29	Tsim															
	Firewood															
10-19	Poles, etc.			###												
	Firewood															
Silvicultural Measures				Area in ha implemented per year											Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
Planting																
Thinning	17.4	33%														
Felling																
Assessment carried out by		Phub Tshering										Year:	2019			

Sub-Compartment Record																																																																																																																																																	
Geog	Getena		Comp.	C6 (Gata)		Sub-Comp.	Gata 6a		No.	6a																																																																																																																																							
Areas in ha																																																																																																																																																	
Non Forest Area	14.3		Protection	4.8		In-operable			Production	87.7																																																																																																																																							
Forest Composition and Description																																																																																																																																																	
Mature stand with closed canopy closure and natural hardwood forest in good-average conditions of forest. Good number of cham size trees.								Stand data																																																																																																																																									
								Bas. Area (m2/ha)		13.8																																																																																																																																							
								Tot. Vol. (m3/ha)		117.4																																																																																																																																							
Vconifer %																																																																																																																																																	
						<table border="1"> <thead> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td>38</td> <td>25</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td></td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td>31</td> <td>6</td> </tr> <tr> <td>Blue Pine</td> <td></td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td>100</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td>100</td> <td>Open</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td></td> <th colspan="3">Forest Use</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <th>I</th> <th>E</th> <td></td> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td></td> <td>Good</td> <td>31</td> <td>Grazing</td> <td>6.3</td> <td></td> </tr> <tr> <td>Immature</td> <td></td> <td>Average</td> <td>69</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>100</td> <td>Poor</td> <td></td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th colspan="4">Site Characteristics</th> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th colspan="2">%</th> </tr> <tr> <td>Gentle</td> <td></td> <td>Stable</td> <td></td> <td>High</td> <td colspan="2"></td> </tr> <tr> <td>Moderate</td> <td>100</td> <td>Moderate</td> <td>100</td> <td>Moderate</td> <td colspan="2">100</td> </tr> <tr> <td>Steep</td> <td></td> <td>Unstable</td> <td></td> <td>Low</td> <td colspan="2"></td> </tr> </tbody> </table>						Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood	38	25	Spruce		Coppice		Bamboo			Mixed Conifer		Canopy	%	Cane	31	6	Blue Pine		Dense		Daphne			Chir Pine		Closed	100				Hardwood	100	Open					Mixed H/C		Unstocked		Forest Use							I	E		Age Class	%	Condition	%	Type	%	%	Young		Good	31	Grazing	6.3		Immature		Average	69	Shokshing			Mature	100	Poor		Lopping			Overmature		Site Characteristics						Slope	%	Erosiveness	%	Soil Cover	%		Gentle		Stable		High			Moderate	100	Moderate	100	Moderate	100		Steep		Unstable		Low		
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																											
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Spruce		Coppice		Bamboo																																																																																																																																													
Mixed Conifer		Canopy	%	Cane	31	6																																																																																																																																											
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Immature		Average	69	Shokshing																																																																																																																																													
Mature	100	Poor		Lopping																																																																																																																																													
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Gentle		Stable		High																																																																																																																																													
Moderate	100	Moderate	100	Moderate	100																																																																																																																																												
Steep		Unstable		Low																																																																																																																																													
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)																																																																																																																																					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%																																																																																																																																				
Beilschmiedia spp.																																																																																																																																																	
Cinnamomum spp.		22				2	3	1				7	9																																																																																																																																				
Exbucklandia																																																																																																																																																	
Litsea spp.																																																																																																																																																	
Michelia spp.		22		3	1		2	0				6	9																																																																																																																																				
Persea spp.					3	3	1	1				8	11																																																																																																																																				
Quercus spp.					3		3	2				7	10																																																																																																																																				
Schima spp.		44				9	5	1				15	21																																																																																																																																				
Walnut																																																																																																																																																	
Other Broadleave		88			4	13	8	4				29	40																																																																																																																																				
Conifer spp.																																																																																																																																																	
Total		177		3	10	28	22	9				72	100																																																																																																																																				
Future Management & Monitoring of Activities																																																																																																																																																	
Manag. Option	No activities		Thinning and felling of unwanted trees to be supplied as firewood. Clearing of bushes for the regeneration of natural seedlings since there is good number of seedlings. Good timber species trees.																																																																																																																																														
	Improvement	√																																																																																																																																															
	Timber Use	√																																																																																																																																															
	Firewood Use	√																																																																																																																																															
	Silvopasture																																																																																																																																																
	Sokshing																																																																																																																																																
Production Potential (N, Volume)				No of trees removed each year												Total	%																																																																																																																																
Product size	N total	N/ha	% (m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028																																																																																																																																				
>50	Drashing	1437	16	100	3045																																																																																																																																												
	Firewood	1293	15		3530																																																																																																																																												
30-49	Cham	2136	24	73	2608																																																																																																																																												
	Firewood	276	3		361																																																																																																																																												
20-29	Tsim																																																																																																																																																
	Firewood																																																																																																																																																
10-19	Poles, etc.			###																																																																																																																																													
	Firewood																																																																																																																																																
Silvicultural Measures				Area in ha implemented per year												Total	%																																																																																																																																
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028																																																																																																																																				
Planting																																																																																																																																																	
Thinning	32.9	38%																																																																																																																																															
Felling	21.9	25%																																																																																																																																															
Assessment carried out by			Norbu Gyeltshen									Year:	2019																																																																																																																																				

Sub-Compartment Record																																																																																																																																										
Geog	Getena		Comp.	C6 (Gata)		Sub-Comp.	Gata 6b		No.	6b																																																																																																																																
Areas in ha																																																																																																																																										
Non Forest Area	20.5		Protection	12.1		In-operable	21.9		Production	27.3																																																																																																																																
Forest Composition and Description																																																																																																																																										
Immature stand with open canopy closure and natural hardwood forest in average conditions of forest. Most of the plots falls under Devithan (local protected forest).								Stand data																																																																																																																																		
								Bas. Area (m2/ha)		6.4																																																																																																																																
								Tot. Vol. (m3/ha)		32.6																																																																																																																																
Vconifer %																																																																																																																																										
Number of trees/ha by diameter class (dbh>10 cm)																																																																																																																																										
<table border="1"> <tr> <th>Forest Type</th> <th>%</th> <th>Stand Type</th> <th>%</th> <th>NWFP+firew.</th> <th>A</th> <th>S</th> </tr> <tr> <td>Hemlock</td> <td></td> <td>Plantation</td> <td></td> <td>Type</td> <td>%</td> <td>%</td> </tr> <tr> <td>Fir</td> <td></td> <td>Natural</td> <td>100</td> <td>Firewood</td> <td></td> <td>40</td> </tr> <tr> <td>Spruce</td> <td></td> <td>Coppice</td> <td></td> <td>Bamboo</td> <td></td> <td></td> </tr> <tr> <td>Mixed Conifer</td> <td></td> <td>Canopy</td> <td>%</td> <td>Cane</td> <td></td> <td></td> </tr> <tr> <td>Blue Pine</td> <td></td> <td>Dense</td> <td></td> <td>Daphne</td> <td></td> <td></td> </tr> <tr> <td>Chir Pine</td> <td></td> <td>Closed</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Hardwood</td> <td>100</td> <td>Open</td> <td>80</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mixed H/C</td> <td></td> <td>Unstocked</td> <td>20</td> <th>Forest Use</th> <th>I</th> <th>E</th> </tr> <tr> <th>Age Class</th> <th>%</th> <th>Condition</th> <th>%</th> <th>Type</th> <th>%</th> <th>%</th> </tr> <tr> <td>Young</td> <td>40</td> <td>Good</td> <td></td> <td>Grazing</td> <td></td> <td>60</td> </tr> <tr> <td>Immature</td> <td>40</td> <td>Average</td> <td>80</td> <td>Shokshing</td> <td></td> <td></td> </tr> <tr> <td>Mature</td> <td>20</td> <td>Poor</td> <td>20</td> <td>Lopping</td> <td></td> <td></td> </tr> <tr> <td>Overmature</td> <td></td> <th>Site Characteristics</th> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>Slope</th> <th>%</th> <th>Erosiveness</th> <th>%</th> <th>Soil Cover</th> <th>%</th> <td></td> </tr> <tr> <td>Gentle</td> <td>20</td> <td>Stable</td> <td>20</td> <td>High</td> <td></td> <td>20</td> </tr> <tr> <td>Moderate</td> <td>60</td> <td>Moderate</td> <td>60</td> <td>Moderate</td> <td></td> <td>60</td> </tr> <tr> <td>Steep</td> <td>20</td> <td>Unstable</td> <td>20</td> <td>Low</td> <td></td> <td>20</td> </tr> </table>													Forest Type	%	Stand Type	%	NWFP+firew.	A	S	Hemlock		Plantation		Type	%	%	Fir		Natural	100	Firewood		40	Spruce		Coppice		Bamboo			Mixed Conifer		Canopy	%	Cane			Blue Pine		Dense		Daphne			Chir Pine		Closed					Hardwood	100	Open	80				Mixed H/C		Unstocked	20	Forest Use	I	E	Age Class	%	Condition	%	Type	%	%	Young	40	Good		Grazing		60	Immature	40	Average	80	Shokshing			Mature	20	Poor	20	Lopping			Overmature		Site Characteristics					Slope	%	Erosiveness	%	Soil Cover	%		Gentle	20	Stable	20	High		20	Moderate	60	Moderate	60	Moderate		60	Steep	20	Unstable	20	Low		20
Forest Type	%	Stand Type	%	NWFP+firew.	A	S																																																																																																																																				
Hemlock		Plantation		Type	%	%																																																																																																																																				
Fir		Natural	100	Firewood		40																																																																																																																																				
Spruce		Coppice		Bamboo																																																																																																																																						
Mixed Conifer		Canopy	%	Cane																																																																																																																																						
Blue Pine		Dense		Daphne																																																																																																																																						
Chir Pine		Closed																																																																																																																																								
Hardwood	100	Open	80																																																																																																																																							
Mixed H/C		Unstocked	20	Forest Use	I	E																																																																																																																																				
Age Class	%	Condition	%	Type	%	%																																																																																																																																				
Young	40	Good		Grazing		60																																																																																																																																				
Immature	40	Average	80	Shokshing																																																																																																																																						
Mature	20	Poor	20	Lopping																																																																																																																																						
Overmature		Site Characteristics																																																																																																																																								
Slope	%	Erosiveness	%	Soil Cover	%																																																																																																																																					
Gentle	20	Stable	20	High		20																																																																																																																																				
Moderate	60	Moderate	60	Moderate		60																																																																																																																																				
Steep	20	Unstable	20	Low		20																																																																																																																																				
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)																																																																																																																														
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%																																																																																																																													
Beilschmiedia spp.																																																																																																																																										
Cinnamomum spp.																																																																																																																																										
Exbucklandia																																																																																																																																										
Litsea spp.																																																																																																																																										
Michelia spp.																																																																																																																																										
Persea spp.																																																																																																																																										
Quercus spp.																																																																																																																																										
Schima spp.																																																																																																																																										
Walnut																																																																																																																																										
Other Broadleave			204	24	8	5						242	100																																																																																																																													
Conifer spp.																																																																																																																																										
Total			204	24	8	5						242	100																																																																																																																													
Future Management & Monitoring of Activities																																																																																																																																										
Manag. Option	No activities		Improvement for better growth of desirable species. Most of the plots falls under locally protected areas (6 plots).																																																																																																																																							
	Improvement	<input checked="" type="checkbox"/>																																																																																																																																								
	Timber Use	<input type="checkbox"/>																																																																																																																																								
	Firewood Use	<input type="checkbox"/>																																																																																																																																								
	Silvopasture	<input type="checkbox"/>																																																																																																																																								
	Sokshing	<input type="checkbox"/>																																																																																																																																								
Production Potential (N, Volume)					No of trees removed each year										Total	%																																																																																																																										
Product size	N total	N/ha	%	(m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028																																																																																																																												
>50			#####																																																																																																																																							
Drashing																																																																																																																																										
Firewood																																																																																																																																										
30-49																																																																																																																																										
Cham	138	5	100	170																																																																																																																																						
Firewood	227	8		149																																																																																																																																						
20-29																																																																																																																																										
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Poles, etc.																																																																																																																																										
Firewood																																																																																																																																										
Silvicultural Measures				Area in ha implemented per year										Total	%																																																																																																																											
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028																																																																																																																													
Planting	27.3	100%																																																																																																																																								
Thinning																																																																																																																																										
Felling																																																																																																																																										
Assessment carried out by			Norbu Gyeltshen										Year:	2019																																																																																																																												

Sub-Compartment Record																	
Geog	Getena	Comp.	C6 (Gata)	Sub-Comp.	Gata 6c	No.	6c										
Areas in ha																	
Non Forest Area	2.5	Protection	4.6	In-operable		Production	54.8										
Forest Composition and Description																	
Immature stand with open canopy closure and natural hardwood forest in average conditions of forest. Good number of cham size timber. Most of the plots falls under cardamom plantation.						Stand data											
						Bas. Area (m2/ha)	7.0										
						Tot. Vol. (m3/ha)	56.1										
						Vconifer %											
						Forest Type	%	Stand Type	%	NWFP+firew.	A	S					
						Hemlock		Plantation		Type	%	%					
						Fir		Natural	100	Firewood		30					
						Spruce		Coppice		Bamboo	20						
						Mixed Conifer		Canopy	%	Cane							
						Blue Pine		Dense		Daphne							
						Chir Pine		Closed	70								
						Hardwood	100	Open	30								
						Mixed H/C		Unstocked		Forest Use	I	E					
						Age Class	%	Condition	%	Type	%	%					
						Young		Good		Grazing							
						Immature		Average	30	Shokshing							
						Mature	100	Poor	70	Lopping							
						Overmature		Site Characteristics									
						Slope	%	Erosiveness	%	Soil Cover	%						
						Gentle		Stable		High							
						Moderate	100	Moderate	100	Moderate	100						
						Steep		Unstable		Low							
Species	Height 0.3<1.3 m	N/ha per diameter class										Total (> 10cm)					
		<10	10<20	20<30	30<40	40<50	50<60	60<70	70<80	80<90	90+	N/ha	%				
Beilschmiedia spp.																	
Cinnamomum spp.																	
Exbucklandia																	
Litsea spp.																	
Michelia spp.																	
Persea spp.		35				4	2					5	13				
Quercus spp.																	
Schima spp.		35				5	2					7	17				
Walnut																	
Other Broadleave		35				4	18	7				28	70				
Conifer spp.																	
Total		106				4	26	10				41	100				
Future Management & Monitoring of Activities																	
Manag. Option	No activities		Thinning of unwanted trees will be supplied for firewood and improvement work for better growth of timber species through clearing of undergrowth bushes.														
	Improvement	√															
	Timber Use	√															
	Firewood Use																
	Silvopasture																
	Sokshing																
Production Potential (N, Volume)				No of trees removed each year												Total	%
Product size	N total	N/ha	% (m3)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
>50	Drashing	277	5	100	567												
	Firewood	277	5		577												
30-49	Cham	1103	20	86	1343												
	Firewood	345	6		441												
20-29	Tsim			###													
	Firewood																
10-19	Poles, etc.			###													
	Firewood																
Silvicultural Measures				Area in ha implemented per year												Total	%
Measure	Area (ha)	in %		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
Planting	38.4	70%															
Thinning																	
Felling																	
Assessment carried out by		Norbu Gyeltshe										Year:	2019				

Annexure 3 : Forest Management Map



Appendix I : LFMP Survey Team

1. Chench Wangdi, FR I	Field Coordinator
2. Phub Tshering, FR II	Team Leader
3. Basant Thapa, FR II	Team Leader
4. Thinley Chedup, FR II	Member
5. Ashman Tamang, Sr.Fr	Member
6. Norbu Gyeltshen, Sr. Fr	Member
7. Nima Tshering Sherpa, Sr. Fr	Member
8. PB Gurung, Asst Fr	Member
9. DB Monger, Sr.Fr	Member