



Report on

# CHANDAPARA VILLAGE

DALU C&RD BLOCK

District: West Garo Hills

3<sup>rd</sup> Feb 2020

COMMUNITY LED LANDSCAPE MANAGEMENT PROJECT



MEGHALAYA BASIN  
MANAGEMENT AGENCY



**THE WORLD BANK**  
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## COMMUNITY LED LANDSCAPE MANAGEMENT PROJECT (CLLMP)

The Government of Meghalaya with financial help from the World Bank is implementing the Meghalaya Community Led Landscape Management Project (MCLLMP). The project covers the entire state of Meghalaya and implementation of community-led plans are rolled out in a phased manner throughout the state. The Meghalaya Basin Management Agency (MBMA) will facilitate community-led planning by providing support, technical inputs and funding.

The project is intended to strengthen community-led natural resources management in selected landscapes within the 7 districts of the state. This would be achieved through a variety of planning, capacity building, and on-the-ground interventions to promote the conservation, sustainable use of natural resources, social inclusion and community mobilization; building traditional knowledge and learning, mapping of natural resources management; strengthening the community institutions and creating linkage with financial institutions and community organizations.

The project interventions will include preparation of community led natural resource management plans. The CLLMP has the following three components:

1. Strengthening Knowledge and Capacity of Communities for Natural Resources Management
2. Community-Led Landscape Planning and Implementation
3. Project Management and Governance

*The project objective is “to manage and conserve the natural resources, especially forests, soil and water sources, in a manner that supports the financial and physical well-being of communities in the State”*

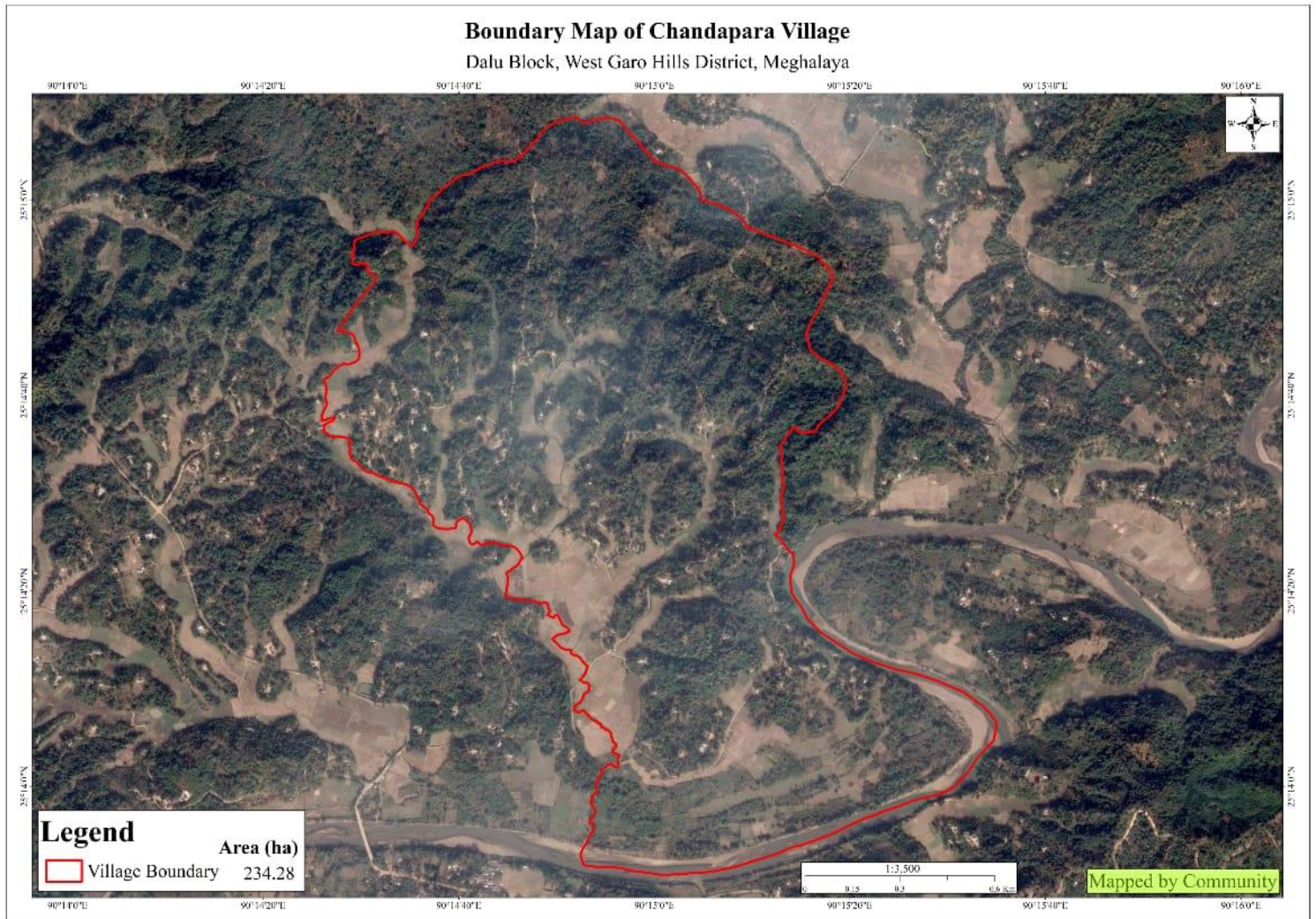


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## INTRODUCTION

Chandapara Village falls under Dalu C&RD block in West Garo Hills district in Meghalaya. The village is at a distance of 7 km away from Dalu, the largest market under Dalu C&RD Block and 52 km away from Tura, the district headquarter of West Garo Hills District. Agriculture is the main source of livelihood for most of the households in the village. The village lacks basic infrastructural development such as roads, schools, health care facility and others.



## VILLAGE PROFILE

Chandapara is situated 7 km away from the sub-district headquarter Dalu and 52 km away from the district headquarter, Tura. Public transport facilities such as buses and mini-vans are available at specific timings everyday and are the main mode of transportation for the community.

The village is still highly dependent on fire woods for cooking. Some of the main issues faced by the community are, the lack of educational institutes, no proper supply of safe drinking water, lack of roads connectivity, absent of hospitals and electricity.



Male - 335

Female- 321

### POPULATION

Chandapara has a total population of 656 with a ratio of 335 male to 321 female and 124 Households. The inhabitants are mainly Garo and the land is owned by the Aking Nokma. Chandapara came into existence in the year 1910, with a few Garo communities.

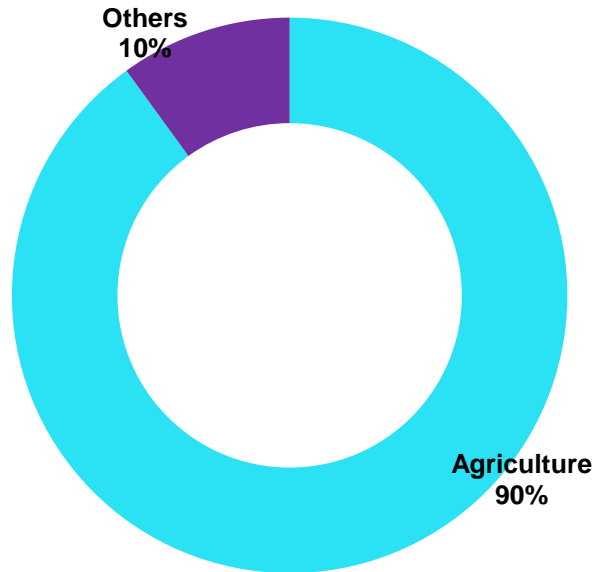
Out of 124 HHs in the village, 65 HHs have access to health cards (Megha Health Insurance Scheme) and 96 HHs have ration cards. According to the 2011 census, the literacy rate of Chandapara village was around 79.6%.

The following is the demographic break up information acquired by the CLLMP team of WGH district.

Demographic Break up	M	F	Total
0 - 4	32	26	58
4- 18	101	114	215
18 – 55	131	115	246
Above 55	71	66	137



## OCCUPATION



Around 112 HHs are depending largely on agriculture for their livelihoods, where they cultivate both horticulture and agricultural crops. Arecanut and rubber are widely grown in this village along with some of the major horticultural crops such as Cashew nut and black pepper. A few members of the community are working as teachers, nurses and some are in the police department.



## LANDUSE PATTERN

### LAND

- Cultivable Land - 61.5 Ha (Approx)
- Fallow Land- Nil
- Forest- 0.13 Ha (Approx)

### WATER BODIES

- Spring - 1
- Natural Ponds - 1
- Streams - 6
- River - 1



## KEY CONSTRAINTS

- Drinking water
- Irrigation Facilities
- Health Care Facilities
- Road Connectivity

# ACTIVITIES

## 1. GROUND TRUTHING

The District Project Management Unit (DPMU) of West Garo Hills District met with the VEC secretary and a few village elders of Chandapara village, on the 11th of December, 2018.



Children walking for a kilometre to fetch water



Waste Land at Chandapara

## CASE FINDINGS

1. The village has 124 HH.
2. There is no proper access to safe drinking water. Their sources of drinking water are streams, wells etc.
3. Transportation facilities: Bus and Mini-vans available during specific timings
4. Banking Facilities: The nearest bank is 7 KM away
5. Lack of proper health care facility
6. Lack of proper facilities for irrigation



A paddy field drainage system



DPMU interacting with the community during the sensitization programme

## 2. SENSITIZATION PROGRAMME



The sensitization programme took place on the 11th of December, 2018. It saw an attendance of 43 participants comprising of village headman, VEC secretary, village elders, women groups and youth.

During the programme, the DPMU team provided the overview of CLLMP as a project that aims to restore degraded landscape in the state of Meghalaya. Community members were informed that the project is supported by the Government of Meghalaya and World Bank and that it is being implemented by Meghalaya Basin Development Authority. The objectives and functions of the project were explained in details along with the procedures of forming a Village Natural Resource Management committee (VNRMC).

It was followed by an open discussion, in which many queries were raised by the community members. After responding to all the queries, the DPMU team initiated a discussion on the formation of a VNRMC and the selection of village facilitators.



### 3. PRA EXERCISE



The PRA exercise aims to incorporate the knowledge and opinions of the community in the planning and management of development projects and programmes.

PRA exercise at Chandapara village took place on the 1st of March 2019. Community members including the village headman, VNRMC members, Village facilitators and women from Self Help Groups participated and contributed their time and knowledge to this exercise.

### 4. DEVELOPMENT OF THE COMMUNITY NATURAL RESOURCE MANAGEMENT PLAN (CNRMP)

The Community Natural Resource Management Plan was prepared on the 1st of March, 2019 on the same day after conducting the PRA exercise. The headman, VNRMC members, women and youth from the village were present to voice their problems and opinion while preparing the Community Natural Resource Management Plan.

**PROPOSED INTERVENTION SUBMITTED DURING CNRM PLAN PREPARATION**

<b>NAME OF THE VILLAGE: CHANDAPARA</b>
<b>DISTRICT: WEST GARO HILLS , DALU C&amp;RD BLOCK</b>
<b>Priority1 &amp; 2 :-Afforestation/Community Nursery at Adu Gittim &amp; Bogai riverside</b>
<b>Priority3 &amp; 4 :-Spring chamber at Sombalin Chiga , Digrang Chimik, Jongsin Gittim</b>
<b>Priority 5:- Dug out pond at Jongsin Gittim</b>

**5. THE PROPOSED INTERVENTION SITES:**



1 .Intervention site for Afforestation



2. Intervention site for Spring Chamber



3. Intervention site for Check Dam



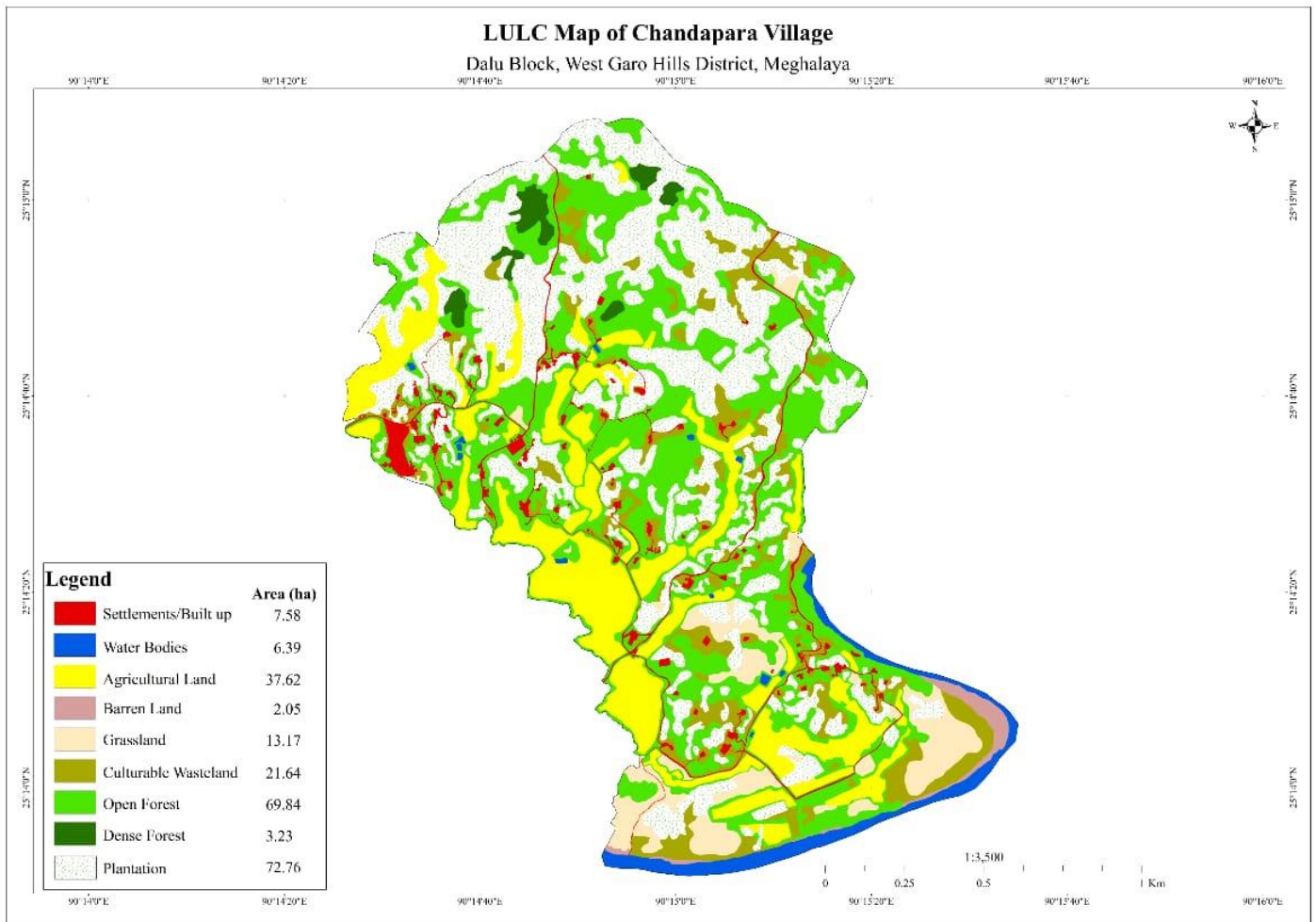
4. Intervention site for Spring Chamber



5. Intervention Site for Nursery Plantation & Vermi Composting



6. Intervention Site for Spring Chamber



## 6. SITE INSPECTION

On the 5th of November 2019, the DPMU team of West Garo Hills District comprising of Assistant Manager of Social & Environment Management, Assistant Manager of Monitoring and Evaluation, Field Engineer and Block Technical Assistant, visited the proposed intervention sites for verification. The feasibility of the proposed sites were checked and approved accordingly.



## 7. PROJECT IMPLEMENTATION



BEFORE- Construction of Spring Chamber started at Jongsin Gittim, Chandapara, Dalu Block, WGH 23.11.19



5.242708  
90.248227

AFTER- Construction of Spring Chamber finished at Jongsin Gittim, Chandapara, Dalu Block, WGH as on 7th Jan 2020



Latitude: 25.245205  
Longitude: 90.247183  
Elevation: 79.87m  
Accuracy: 2.2m  
Time: 12-03-2019 14:05

BEFORE- Spring chamber at Digrang Chimik, Chandapara, Dalu Block, WGH



Latitude: 25.245212  
Longitude: 90.247145  
Elevation: 77.37m  
Accuracy: 1.8m  
Time: 01-07-2020 12:52

AFTER- Spring chamber at Digrang Chimik, Chandapara, Dalu Block, WGH as on 7th Jan 2020



Spring Chamber at Sombalin Chiga, Chandapara as on 7th Jan 2020

## ANNEX -1: LAND USE PATTERN

Sl. No	Land use Category	Land Ownership (Community/Clan /Pvt individual etc)	Name of the Site	Quality of forest(Dense, Moderate, open) refer to GIS Map	Land Area /stretch as in the vilage (Ha/Km)	Present Uses/Benefits HHs=1; Timber =2; NTFP =3; Fuelwood = 4; Medicine & Aromatic plants=5, Others=6	Land Area available for intervention (Ha)	Remarks
4.1	<b>Forest (Specify type)</b>							
	Community Forest (Lawshnong/Songni Birungbolgrim)	Community	1)Bogai River site 2)Solo k bisik		1.5 km (Sec. Data) 1 bigha (Sec Data)	Fuelwood		Proposed for Tree Plantation.
	Private (Rikynti/)	Nill						
	Clan Forest (Lawkur/Maharini/ Raid)	Nill						
	Protected Forests/ Green Blocks (including Law Adong and Lawshnong, forests protected for aesthetic	Nill						

	reasons)						
	Catchment Areas (water supply)	Nil					

SL. No.	Land use Category	Land Ownership (Community/Pvt individual etc)	Name of the Site	Land Area /stretch as in the vilage (Ha/Km)	Description of type of cultivation (jhum/Terrace/Bun/Agro-forestry)	Land Area available for intervention (Ha)	Remarks
<b>4.2</b>	<b>Cultivable Land</b>						
1	Area under Agriculture (Mention Ha under each crop – Paddy, Maize others) wet land (Paddy Field)	<b>Pvt Individual</b>	<b>Paddy field</b>	<b>7 Ha (Sec data)</b>	<b>Bun</b>	<b>No</b>	
2	Area under Horticulture (Mention Ha under each type)	<b>Pvt. Individual</b>	<b>Orange Plantation</b>	<b>10 Ha (sec data)</b>	<b>Agro-forestry</b>	<b>No</b>	
3	Area under Cash Crops 1 (Specify)..... .....	<b>Pvt Individual</b>	<b>Areca-nut plantation on land</b>	<b>0.5 Ha approx.. (se data)</b>	<b>Agro-forestry</b>	<b>No</b>	
4	Area under Cash Crops 2 (Specify)..... .....	<b>Pvt. Individual</b>	<b>Cashew-nut Plantation on land</b>	<b>34 Ha approx.. (sec data)</b>	<b>Agro-forestry</b>	<b>No</b>	
5	Area under Shifting Cultivation Average cycle (yrs).....	<b>Individual/Community</b>	<b>One plot of hill.</b>	<b>10 Ha approx..</b>	<b>Jhum cultivation</b>	<b>No</b>	

6	Culturable Wasteland		Nil				
4.3	Water Bodies (specify)	Ownership/Community/Private	Name of the water body/spring	Size/length of River/stream (Ha/Km)	Present use/Benefit (fisheries/irrigation/drinking water)	Number/Area available for intervention	Remarks
1	Springs/Water Source	Community/Private	1) Digrang chimik 2) Sombalin Chimik 3) Jongsin chimik	2.5m (sec. data) 3m (sec. data) 2m (sec. data)	Drinking Water/ Bathing/ irrigation	3, Yes	Construction of spring chamber
2	Natural ponds	Private	Songra Gittim & Adu Gittim	0.15 ha approx. (sec data)	Fisheries/ Irrigation		
3	Lakes	Nil					
4	Streams within village area		1) Solok Stream, 2) Tegatchu chiring, 3) Bengdam chiring, 4) Asim chiring, 5) Song Chiring and 6) Digrang chiring	3 km (sec data) 2.5 km (sec data) 3 km (sec data) 1.5 km (sec data) 1.5 km (sec data) 2.5 km (sec	Irrigation	1/ Yes, Digrang chiring	Intervention for Construction of check dam



				<b>data)</b>			
5	Rivers within Village Geographical area	<b>Community</b>	<b>Boghai River</b>	<b>2.5 Km (sec data)</b>	<b>Domestic purposes.</b>	<b>1/ Yes</b>	<b>Proposed for Plantation on the Riverside.</b>
6	Others (Specify)						

## ANNEX -1: INDIGENOUS TREE SPECIES

4.4	Indigenous/ Cultivated Trees and NTFPs in Forests	List of Species	Main use (Household/ Commercial)
1	Indigenous Tree species in Forest	<i>Artocarpus heterophyllus</i> ,, <i>Mangifera indica</i> , <i>Bolchubret</i> , <i>Shorea robusta</i> (Sal), <i>Bolbret</i> , <i>Dalbergia sisoo</i> (Siso), <i>Matme</i> , <i>Chamolja</i> , <i>Kantap</i> , <i>Umak</i> , <i>Bauhinia variegata</i> (Megong), <i>Duabanga grandiflora</i> (Bolchim), <i>Bolpu</i> , <i>Bolbok</i> , <i>Boldak</i> , <i>Bolangkap</i> , <i>Mandal</i> , <i>Bombyx ceiba</i> (Bolchu), <i>Bolmatra</i> , <i>Terminalus indica</i> (tamarind), <i>Phyllantus emblica</i> (Ambari), <i>Ritong</i> , <i>Tekring</i> , <i>Rangri</i> , <i>Boldoreng</i> , <i>Chagru</i> , <i>Chambu</i> , <i>Bolmenggru</i> , <i>Churi</i> , <i>Metcha</i> , <i>Aegles marmelosel</i> (Bel), <i>Ficus sp.</i> (Prap), <i>Jiga</i> , <i>Agatchi</i> .	Household
2	NTFPs in Forest including medicinal shrubs/trees etc	Lantana camara, Tulsi,	Household
3	Commercially valued Trees/ Shrubs/Plants in forests/	Makanchi, <i>Shorea robusta</i> (Bolsal), Siso	Household/ Commercial
4	Fodder Species/ Valuable grasses in forests	<i>Vetiver grass</i> , <i>Oke</i> , <i>Kasi</i> , <i>Samsok</i> , <i>Sambangguri</i> , <i>Lalop</i> , <i>Buring Terik</i> , <i>Jenggim</i> , <i>Jenggitchak</i> , <i>Jenggisim</i> , <i>Samabi</i> , <i>Samsim</i> , <i>Pasim</i> , <i>Molai Budu</i> , <i>Repanji Budu</i> , <i>Mri Budu</i> , <i>Samtamalang samsi</i> , <i>Watre</i> , <i>Teksra</i> , <i>Burua</i> , <i>Watrebok</i> , <i>Wakanta</i> , <i>Bamboo</i> .	Household
5	Any vulnerable/ endangered species in Forest (fauna & flora )	No , according to the knowledge of community	
6	Invasive plant Species (if any)		





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