

# **PEOPLE'S BIODIVERSITY REGISTER KHUANGPHAH**

**Compiled by  
Members of Biodiversity Management Committee, Khuangphah  
&  
Mizoram State Biodiversity Board  
Office of Chief Wildlife Warden  
Environment, Forest & Climate Change Department  
MINECO, Khatla, Aizawl  
Mizoram**

# PART - I

## **1. The Biological Diversity Act, 2002 & Rules, 2004**

The Biological Diversity Act, 2002 (No. 18 of 2003) was notified by the Government of India on 5<sup>th</sup> February, 2003. The Act extends to the whole of India and reaffirms the sovereign rights of the country over its biological resources. Subsequently the Government of India published Biological Diversity Rules, 2004 (15<sup>th</sup> April, 2004). The Rules under section 22 states that ‘every local body shall constitute a Biodiversity Management Committee (BMC) within its area of jurisdiction’.

## **2. People’s Biodiversity Registers and role of the Biodiversity Management Committee**

The mandate of the Biodiversity Management Committee has been clearly highlighted in the Biological Diversity Rules 2002 as follows:

- The main function of the BMC is to prepare People’s Biodiversity Register in consultation with the local people. The register shall contain comprehensive information on availability and knowledge of local biological resources, their medicinal or any other use.
- The other functions of the BMC are to advice on any matter referred to it by the State Biodiversity Board or Authority for granting approval, to maintain data about local vairs and practitioners using the biological resources.
- The Authority shall take steps to specify the form of People’s Biodiversity Registers, and the particulars it shall contain and the format for electronic database.
- The Authority and the State Biodiversity Boards shall provide guidance and technical support to the Biodiversity Management Committees for preparing People’s Biodiversity Register.
- The People’s Biodiversity Registers shall be maintained and validated by the Biodiversity Management Committees.

## **3. People’s Biodiversity Registers and role of National Biodiversity Authority (NBA)**

The National Biodiversity Authority shall provide guidance and technical support to the Biodiversity Management Committee (BMC) for preparing People’s Biodiversity Register.

## **People’s Biodiversity Registers and the role of State Biodiversity Board (SBB)**

The State Biodiversity Board (SBB) would provide necessary training to the technical Support Group (TSG) of the district and enable smooth functioning and aid in networking for creation and maintenance of People’s Biodiversity Registers (PBR).

## **People's Biodiversity Registers and Role of the Technical Support Group (TSG)**

The Technical Support Group (TSG) will consist of experts from various disciplines and line departments, universities, research institutes, colleges and schools and non-governmental organizations. The Technical Support Group will provide technical inputs and advice to the BMC's on identification of plants and animals, monitor and evaluate the PBR exercise, examine confidential information and advice on legal protection, maintain a database of local and external experts on biodiversity.

### **4. People's Biodiversity Registers (PBR)**

Being a mega biodiverse country, India is very rich in biological and cultural diversity. It is also a home of many tribal groups, pursuing different kinds of nature based livelihoods. In addition, a large number of farming, fishing communities, and nomadic group possessed traditional knowledge of varying degrees. The development of modern science and technology in biotechnology and information technologies have increased the value of biodiversity and associated knowledge including traditional knowledge (TK). The growing importance of biodiversity, bio-resources and associated knowledge is fairly well understood. The first step towards conservation is sustainable utilization of biodiversity and its documentation. Biodiversity and associated knowledge is found in different ecosystems under different legal management regimes and hence the results and the manner of documentation will also differ.

The present manual guidelines have been drafted taking into consideration different ecosystems and include the rural, urban and protected areas. The guidelines may be customized and further information may be added to enrich the effort. It is important to keep in mind some of the issues related to PBRs:

- It is to be undertaken in a participatory mode involving varying sections of village society
- While documenting the PBR, knowledge and views of both genders are to be recorded
- Information's provided by the community should be collated, analyzed and crosschecked by the members of the Technical Support group (TSG) before documentation
- PBR is important base document in the legal arena as evidence of prior knowledge and hence careful documentation is necessary
- The document should be endorsed by the BMC and later publicized in the Gram Sabha/Grma Panchayat/Panchayat Samiti. The document can be a very useful tool in the management and sustainable use of bio-resources. The document can also be a very useful teaching tool for teaching environmental studies at schools, colleges and university level.
- The document should be periodically updated with the additional and new information as and when generated.



#### **4.1 The PBR Process**

The preparation of People's Biodiversity registers (PBR) involves the active support and cooperation of a large number of people who need to share their common as well as knowledge (traditional knowledge). The first and foremost important task for preparing a PBR is organizing a group meeting to explain the objectives and purpose of the exercise. Different social groups in the village need to be identified for purpose of data collection from those groups. In an urban situation, spots where biodiversity are important need to be identified for the purpose of the study and documentation. The documentation process includes information gathered from individuals through detailed questionnaire; focused group discussion with person's having knowledge and published secondary information.

#### **4.2 Documentation and Traditional Knowledge (TK) related to biodiversity**

Documentation of knowledge of individuals with regard to biodiversity and its uses is an important part of PBR. Every effort should be made to identify the persons with proven knowledge of local biodiversity; special attention should be given to the elderly persons who can also provide information on the biodiversity which was available in the past but no longer seen at present. In some cases focus group discussion may be held for the purpose of documentation.

#### **4.3 PBR Methodology**

The PBR is a participatory process requiring intensive and extensive consultation with the people. The objectives and purpose is to be explained in a group meeting in the presence of all sections of people in the Panchayat, members of the BMC, students, knowledgeable individuals and those interested in the effort. Documentation includes photographs (including digital images), drawings, audio and video recordings and other records like printed material.

#### **4.4 Process in PBR Preparation**

- Step I** : Formation of Biodiversity Management Committee (BMC)
- Step II** : Sensitization of the community/local people about the study, survey and possible management
- Step III** : Training of members in identification and collection of data on biological resources and traditional knowledge
- Step IV** : Collection of data. Data collections includes review of literature on the natural resources of the districts, Participatory Rural Appraisal (PRAs) at village level, household interviews, individual interviews with village leaders and knowledgeable individuals, household heads, key actors of the panchayat raj institutions and NGOs and direct field observations
- Step V** : Analysis and validation of data in consultation with technical support group and BMC
- Step VI** : Preparation of People's Biodiversity Register (PBR)
- Step VII** : Computerization of information and resources.

## General Details of People's Biodiversity Register (PBR) of KHUANGPHAH

<b>Name of the village</b>	:	Khuangphah
<b>Block</b>	:	Champhai RD Block
<b>District</b>	:	Champhai
<b>State</b>	:	Mizoram
<b>Geographical Area of the Panchayat Samity</b>	:	30 Sq.km
<b>Population under the Panchayat Samity</b>	:	860
<b>Male</b>	:	420
<b>Female</b>	:	440
<b>Habitat and Topography</b>	:	Tropical evergreen forest, Hilly terrain & Plain
<b>Climate (Rainfall, Temperature and other weather patterns)</b>	:	2°C-30°C (Temp.), 3000-4000mm (Rainfall)
<b>Land use (Nine fold classification available with village records)</b>	:	Agriculture/Farming
<b>Date, Month and Year of PBR preparation</b>	:	February 2023
<b>Management Regime: Reserve Forests (RF)/ Joint Management (JM)/Protected areas (PA)/ Community Owned and Managed Forests (COM)</b>	:	COM

## Annexure I

Details of the BMC members of the Panchayat (One elected chairperson and six persons nominated by the local body; not less than one third to be women and not less than 18% belonging to SC/ST)

- |           |                        |   |              |           |                        |   |                |
|-----------|------------------------|---|--------------|-----------|------------------------|---|----------------|
| <b>1.</b> | Name of the Chairman   | : | H.Thanmawia  | <b>2.</b> | Name                   | : | Lairosanga     |
|           | Age                    | : | 48           |           | Age                    | : | 41             |
|           | Gender                 | : | Male         |           | Gender                 | : | Male           |
|           | Address                | : | Khuangphah   |           | Address                | : | Khuangphah     |
|           | Area of specialization | : | Farmer       |           | Area of specialization | : | Farmer         |
| <b>3.</b> | Name                   | : | H.T Munga    | <b>4.</b> | Name                   | : | G.Thuamluaia   |
|           | Age                    | : | 48           |           | Age                    | : | 59             |
|           | Gender                 | : | Male         |           | Gender                 | : | Male           |
|           | Address                | : | Khuangphah   |           | Address                | : | Khuangphah     |
|           | Area of specialization | : | Farmer       |           | Area of specialization | : | Farmer         |
| <b>5.</b> | Name                   | : | Lalrinpuia   | <b>6.</b> | Name                   | : | Lalthanthiangi |
|           | Age                    | : | 35           |           | Age                    | : | 48             |
|           | Gender                 | : | Male         |           | Gender                 | : | Female         |
|           | Address                | : | Khuangphah   |           | Address                | : | Khuangphah     |
|           | Area of specialization | : | Farmer       |           | Area of specialization | : | Farmer         |
| <b>7.</b> | Name                   | : | Manthiannemi |           |                        |   |                |
|           | Age                    | : | 35           |           |                        |   |                |
|           | Gender                 | : | Female       |           |                        |   |                |
|           | Address                | : | Khuangphah   |           |                        |   |                |
|           | Area of specialization | : | Farmer       |           |                        |   |                |

## **Annexure II**

List of Vaid, hakims and traditional healthcare (human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village.

Name	:	<b>NIL</b>
Age	:	
Gender	:	
Address	:	
Area of specialization	:	
Location from which the person accesses biological material	:	
Perception of the practitioner on the resource status	:	

## **Annexure III**

List of individuals perceived by the villagers to possess Traditional knowledge (TK) related to biodiversity in agriculture, fisheries and forestry.

Name	:	<b>NIL</b>
Age	:	
Gender	:	
Address	:	
Area of Specialization	:	

## **Annexure IV**

Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR

1) Contact Person	:	Dr. Lalneihpuia Chhakchhuak
Name and Address	:	Technical Assistant Mizoram State Biodiversity Board
2) Contact Person	:	Derrick Zothanmawia
Name and Address	:	Computer Assistant Mizoram State Biodiversity Board

# PART - II

# AGROBIODIVERSITY

Format 1 : Crop Plants

1	2	3	4	5	6	7	
Crop	Scientific Name	Local Name	Variety	Landscape/ Habitat	Approx. area sown	Local Status	
						Past	Present
Turmeric	<i>Curcuma longa</i>	Aieng	Local	Hilly terrain, Jhum land	Not measured	Insufficient	Insufficient
Para cress	<i>Acmella paniculata</i>	Ankasa	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Mustard	<i>Brassica rapa</i>	Antam	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Deccan hemp	<i>Hibiscus cannabinus</i>	Anthur	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
White or Winged yam	<i>Dioscorea alata</i>	Bachhim	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Wild coriander	<i>Eryngium foetidum</i>	Bahkhawr	Local	Hilly terrain, Jhum land	-do-	Abundant	Insufficient
Perennial herb	<i>Colocasia sp</i>	Baibing	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Taro	<i>Colocasia esculenta</i>	Bal	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Brinjal	<i>Solanum melongena</i>	Bawkbawn	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Lady's finger	<i>Abelmoschus esculentus</i>	Bawrhsaiabe	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Bean	<i>Phaseolus vulgaris</i>	Bean	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Cow pea	<i>Vigna unguiculata</i>	Behlawi	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Pigeon pea	<i>Cajanus cajan</i>	Behliang	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Soyabean	<i>Glycine max</i>	Bekang	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Hyacinth bean	<i>Lablab purpureus</i>	Bepui	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Winged Bean	<i>Psophocarpus tetragonolobus</i>	Bepuipawr	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Snake gourd	<i>Trichosanthes anguina</i>	Berul	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Climber	-	Bete	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Rice	<i>Oryza sativa</i>	Buh	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Bitter gourd	<i>Momordica charantia</i>	Changkha	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
White durra	<i>Sorghum cernuum</i>	Chhawhchhi	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Coriander	<i>Coriandrum sativum</i>	Dhania	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Cucumber	<i>Cucumis sativas</i>	Fanghma	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Broad or sword bean	<i>Canavalia ensiformis</i>	Fangra	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Chilli	<i>Capsicum annuum</i>	Hmarchapui	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Birds eye chilli	<i>Capsicum frutescens</i>	Hmarchate	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Squash	<i>Sechium edule</i>	Iskut	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Roselle	<i>Hibiscus sabdariffa</i>	Lakher anthur	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Aromatic herb	<i>Elsholtzia communis</i>	Lengser	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Pumpkin	<i>Cucurbita maxima</i>	Mai/Maian	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Ash gourd	<i>Benincasa hispida</i>	Maipawl	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Spiny bitter tomato	<i>Momordica cochincinensis</i>	Maitamtawk	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
-	<i>Coix lacryma-jobi</i>	Mim	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Mula	<i>Raphanus sativas</i>	Mula	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Wild celery	<i>Trachyspermum roxburghianum</i>	Pardi	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
-	<i>Clerodendrum colebrookianum</i>	Phuihnam	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Wild basil	<i>Ocimum americanum</i>	Runhmui	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant

Bitter tomato	<i>Solanum aethiopicum</i>	Samtawk	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
African eggplant	<i>Solanum macracarpon</i>	Satinrem	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Ginger	<i>Zingiber officinale</i>	Sawhthing	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Devils tongue	<i>Amorphophallus</i> sp	Telhawng	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Tomato	<i>Solanum lycopersicum</i>	Tomato	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Bottle guard	<i>Lagenaria siceraria</i>	Um ei	Local	Hilly terrain, Jhum land	-do-	Insufficient	Insufficient
Tobacco plant	<i>Nicotiana tabacum</i>	Vaihlo	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Maize	<i>Zea mays</i>	Vaimim	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Cabbage	<i>Brassica oleracea</i> var. <i>capitata</i>	Zikhlum	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant
Chinese Onion	<i>Allium chinense</i>	Zo purun	Local	Hilly terrain, Jhum land	-do-	Abundant	Abundant

	9	10	11	12	13	14
Special Features	Cropping Season	Uses	Associated TK	Other Details	Source of Seeds /Plants	Community Knowledge Holder
Rhizome is used as condiment	Mar-April	Edible	Juice of rhizome is used for stomach ulcer, jaundice, diarrhoea, dysentery, cholera, asthma, food poisoning, and also used as a tonic for blood purifier	-	Local	Mizo
Leaves and stems as vegetable	Mar-April	Edible	Flowers are chewed to relieve toothache and affections of the gum and throat	-	Local	Mizo
Young leaves are eaten as vegetables	Mar-April	Edible	Seeds and oil are used in medicine	-	Local	Mizo
Leaves are eaten as vegetables, curry	Mar-April	Edible	Leaves are used as diuretic, sedative, refrigerant	-	Local	Mizo
Tuber is anthelmintic	Mar-April	Edible	Tubers and bubils are used as vegetable, tuber is used in treating cancer, piles, and gonorrhoea	-	Local	Mizo
Leaves used as flavouring dishes	Mar-April	Edible	Leaves are used for expulsion of threadworms from the body, as a remedy for food poisoning. Roots and leaves are boiled and the water is drunk for malarial fever, diabetes, pneumonia, and constipation	-	Local	Mizo
Spadix is eaten cooked as vegetable	Mar-April	Edible	-	-	Local	Mizo
Corm, stem and young leaves are eaten as vegetables	Mar-April	Edible	Acrid juice is applied to wounds and bee sting. Whole plant is used for pig feed	-	Local	Mizo
Unripe fruit as vegetable	Mar-April	Edible	Root, leaves, fruits and seeds are used as medicine	-	Local	Mizo
Unripe fruit eaten as vegetable	Mar-April	Edible	Cut fruit soaked in water overnight (water) is used to control diabetes	-	Local	Mizo
Green immature pods are cooked and eaten as vegetables	Mar-April	Edible	Beans are also used for diarrhoea, dysentery, burns, diabetes, rheumatism, sciatica etc	-	Local	Mizo
Young leaves, pods and seeds as vegetable	Mar-April	Edible	Seed is useful to strengthen stomach and kills worm in the stomach	-	Local	Mizo
Tender leaves, pods as vegetable, yellow seeds as pulse	Mar-April	Edible	Leaves and seeds are medicinal, leaves as cattle fodder	-	Local	Mizo
Seeds are edible rich in protein, oils and minerals	August	Edible	Seeds are cooked , fermented and eaten as delicacies (called <b>Bekang</b> famous –traditional Mizo dish). Boiled water of seeds are given to pigs for fertility control	-	Local	Mizo
Young pods, seeds as vegetable	Mar-April	Edible	Juice of crushed leaves is used against diarrhoea, stomach-ache	-	Local	Mizo
Young pods as vegetable	Mar-April	Edible	The plant is a good fodder, green manuring and ground cover	-	Local	Mizo
Fruit and young leaves as vegetable	Mar-April	Edible	Fruits and leaves are considered antidote for snake bite	-	Local	Mizo

Seeds are eaten cooked as vegetable	July	Edible	-	-	Local	Mizo
Grain is the staple food	April	Edible	Chipstraw is boiled and the water is used for kidney stone and urinary problems. Rice wash water is also used for diarrhoea, dysentery	-	Local	Mizo
Young fruit and leaves are cooked or fried eaten as vegetable	Mar-April	Edible	Leaves and fruits are medicinal used to treat fever, jaundice, diabetes, dysentery, intestinal worms etc	-	Local	Mizo
-	Mar-April	Edible	Baked grains are pounded and eaten as curry	-	Local	Mizo
Leaves and flowers are used as condiment	Mar-April	Edible	-	-	Local	Mizo
Fruit is edible	Mar-April	Edible	Juice of the leaves and stem are used in high blood pressure. Fruits and seeds are also medicinal	-	Local	Mizo
-	Mar-April	Edible	Grains are cooked and eaten	-	Local	Mizo
Fruits are condiment and leaves as vegetable	Mar-April	Edible	Juice of the fruits is applied to burns, snake bite and centipede sting	-	Local	Mizo
Fruits are condiment and leaves as vegetable	Mar-April	Edible	Juice of the fruits is applied to burns, snake bite and centipede sting	-	Local	Mizo
Fruits, young shoot and roots are eaten as vegetable-	Mar-April	Edible	Leaves are used for fodder	-	Local	Mizo
Leaves are eaten as vegetables, curry	Mar-April	Edible	Leaves are used as diuretic, sedative, refrigerant	-	Local	Mizo
Leaves and flowers -are used for flavouring curry-	Mar-April	Edible	-	-	Local	Mizo
Flowers, fruit, you-ng leaves and stem are all eaten as v-egetables	Mar-April	Edible	Seeds are used to expel worms from the body	-	Local	Mizo
Fruits and tender leaves are eaten as vegetable	Mar-April	Edible	Juice of the fruit is a cure for cholera, diarrhoea, dysentery, fever, asthma, vomiting and kidney diseases. Infusion of leaves and fruit are used externally in snake bite	-	Local	Mizo
Fruit is cooked and eaten as vegetable	Mar-April	Edible	-	-	Local	Mizo
Grains are eaten as vegetable	Mar-April	Edible	-	-	Local	Mizo
Young fruit and flower eaten as vegetable	Mar-April	Edible	Roots, leaves and seeds are medicinal	-	Local	Mizo
Leaves and flowers are used as condiment	Mar-April	Edible	-	-	Local	Mizo
Leaves and flowers are eaten cooked as vegetable	Mar-April	Edible	Leaves are cooked with water and water is taken for hypertension, blood sugar etc	-	Local	Mizo
Leaves and flowers are used as condiment	Mar-April	Edible	-	-	Local	Mizo
Green- fruit are eaten as vegetable	Mar-April	Edible	Fruit is good for high blood pressure, skin problems and anti microbial	-	Local	Mizo
Leaves are used as vegetable and cooked with any kind of meat	Mar-April	Edible	-	-	Local	Mizo
Rhizomes are used as spice and condiment, taken as cure for food poisoning	Mar-April	Edible	Tender leaves, young flowers are eaten cooked as vegetable, juice of the pounded rhizomes is given to women in case of insufficient supply of milk for their babies and also dropped into the ear when attacked by ticks.	-	Local	Mizo
-	Mar-April	Edible	Corm and young leaf stalk and shoots are eaten cooked as veg.	-	Local	Mizo
Fruit is edible	Mar-April	Edible	-	-	Local	Mizo



Cultivated for fruits	-	Edible	Non bitter, soft shelled fruits and tender leaves are used as vegetable, and dried shell of the fruit for holding water. Roots, leaves and seeds are used in medicine	-	Local	Mizo
-	Mar-April	Edible	Leaves are pounded, dried and used for making cigarette	-	Local	Mizo
Grains are eaten cooked, roasted, fried-	Mar-April	Edible	Grains and leaves are used to feed poultry, pigs and cows. Decoction of the grain is used as hip bath for piles, lessen pain	-	Local	Mizo
-	June	Edible	Leaves and head are eaten cooked as vegetable	-	Local	Mizo
Fresh bulb and leaves as condiment	Mar-April	Edible	Bulbs are used for treating fever, hypertension, indigestion, pneumonia, common cold etc. Juice of bulb is applied to muscle sprains, earache etc	-	Local	Mizo

## Format 2 : Fruit plants

1 Plant	2 Scientific name	3 Local name	4 Variety	5 Landscape/habitat	6 Local status	
					Past	Present
Herb	<i>Musa acuminata</i>	Balhla	Local	Hilly Terrain	Abundant	Abundant
Climber	<i>Citrullus lanatus</i>	Dawnfawh	Local	Hilly Terrain	Abundant	Abundant
Climber	<i>Hylocereus costaricensis</i>	Dragon fruit	Local	Hilly Terrain	NIL	Insufficient
Climber	<i>Vitis vinifera</i>	Grape	Local	Hilly Terrain	Abundant	Abundant
Climber	<i>Cucumis melo</i>	Hmazil	Local	Hilly Terrain	Abundant	Abundant
Tree/Shrub	<i>Prunus domestica</i>	Japan theite	Local	Hilly Terrain	Insufficient	Insufficient
Herb	<i>Ananus comosus</i>	Lakhuihthei	Local	Hilly Terrain	Insufficient	Insufficient
Climber	<i>Passiflora edulis</i>	Sapthei	Local	Hilly Terrain	Abundant	Abundant
Climber	<i>Eleagnus latifolia</i>	Sarzukpui	Local	Hilly Terrain	Abundant	Abundant
Climber	<i>Eleagnus pyriformis</i>	Sarzukte	Local	Hilly Terrain	Abundant	Abundant
Shrub	<i>Citrus limon</i>	Ser (fang)	Local	Hilly Terrain	Abundant	Abundant
Shrub	<i>Citrus medica</i>	Serpui	Local	Hilly Terrain	Abundant	Abundant
Shrub	<i>Citrus maxima</i>	Sertawk	Local	Hilly Terrain	Abundant	Abundant
Shrub	<i>Citrus reticulata</i>	Serthlum	Local	Hilly Terrain	Insufficient	Insufficient
Shrub	<i>Diospyros cacharensis</i>	Theibuhfai/Darjeeling	Local	Hilly Terrain	Insufficient	Insufficient
Climber	<i>Haematocarpus validus</i>	Theichhungsen	Local	Hilly Terrain	Insufficient	Insufficient
Tree	<i>Carica papaya</i>	Thingfanghma	Local	Hilly Terrain	Insufficient	Insufficient

7 Source of seeds/plants	8 Season of fruiting	9 Associated TK	10 Uses	11 Other details Market/ Own use	12 Community Knowledge holder
Locally available	Mar-Dec	-	Fruit is edible	Market/own use	Mizo
Locally available	Mar-Sept	Fruit purifies blood, cures biliousness, sore eyes, scabies, itching, seeds are tonic to the brain		Own use	Mizo
Introduced	July-Sept	-	Fruit is edible	Market/own use	Mizo
Introduced	Feb-Sept	-	Fruit is edible	Market/own use	Mizo
Locally available	July - Sept	-	Fruit is edible	Market/own use	Mizo
Locally available	July	Fruit is edible	Fruit is laxative and refrigerant	Own use	Mizo

Locally available	October	-	Fruit is edible	Market/own use	Mizo
Locally available	April	Ripe fruit is used for jaundice and liver problems	Leaves are used as vegetable	Market/own use	Mizo
Locally available	April	Decoction of root is medicinal	Wood is used as a good fuel	Own use	Mizo
Locally available	October	Decoction of root and boiled leaves is medicinal	Fruit is edible	Own use	Mizo
Locally available	October	Fruits edible, rich source of vitamin C	Roots are used in colic, vomiting etc	Market/own use	Mizo
Locally available	October	Fruits edible, rich source of vitamin C	Roots are used in colic, vomiting etc	Market/own use	Mizo
Locally available	Jan-Feb	Fruit is medicinal	Seeds are used for hypertension and diabetes	Market/own use	Mizo
Locally available	September	Fruit is a rich source of vitamin C, eaten by man	Water of boiled leaves used for bathing in fever	Market/own use	Mizo
Locally available	Sept - Nov	Seeds are edible sometimes chewed as a substitute for betel nut	Fruit is edible	Market/own use	Mizo
Locally available	October	-	Fruit is edible	Market/own use	Mizo
Locally available	Jan – August	Ripe fruit is good for digestion. Decoction of unripe fruit is used to cure jaundice, diabetes etc. juice of boiled leaves is used to treat various type of cancer and stomach problems		Market/own use	Mizo

### Format 3 : Fodder crop

1	2	3	4	5	
Plant	Scientific name	Local name	Landscape/habitat	Local status	
				Past	Present
Herb	<i>Colocasia esculenta</i>	Bal	Jhum field	Abundant	Abundant
Tree	<i>Trema orientalis</i>	Belphuar	Hilly terrain	Abundant	Abundant
Succulent herb	<i>Crassocephalum crepidioides</i>	Buarthau	Hilly terrain, fallow land	Abundant	Abundant
Grass	<i>Oryza sativa</i>	Buh	Jhum field	Abundant	Abundant
Herb	<i>Musa sp.</i>	Changel	Hilly terrain, fallow land	Abundant	Abundant
Herb	<i>Colocasia esculenta</i>	Dawl/Bal	Cultivated and fallow land	Abundant	Abundant
BroomGrass	<i>Thysanolaena latifolia</i>	Hmunphiah	Cultivated and fallow land	Abundant	Abundant
Mile-a minute	<i>Mikania micrantha</i>	Japanhlo	Hilly terrain, fallow land	Abundant	Abundant
Climber	<i>Ipomoea batatas</i>	Kawlbahra	Cultivated land	Abundant	Abundant
Grass	<i>Saccharum longisetosum</i>	Luang	Cultivated and fallow land	Abundant	Abundant
Shrub	<i>Manihot esculenta</i>	Pangbal	Jhum field	Abundant	Abundant
Herb	<i>Polygonum chinense</i>	Taham	Hilly terrain, fallow land	Abundant	Abundant
Shrub	<i>Carica papaya</i>	Thingfanghma	Cultivated land	Insufficient	Insufficient
Maize	<i>Zea mays</i>	Vaimim	Cultivated land	Abundant	Abundant
Herb	<i>Bidens pilosa</i>	Vawkpuithal	Hilly terrain, cultivated, fallow land	Abundant	Abundant

6	7	8	9	10
Source of seeds/plants	Associated TK	Part Used	Other details	Community/ Knowledge holder
Wild /Local	Corm , leaves and stem are used for pig feed	Corm, leaves, stem	-	Mizo
Wild /Local	Fruits and leaves are eaten by animals. Wood is used for making gun powder, charcoal	Leaves	-	Mizo
Wild /Local	-		-	Mizo

Wild /Local	Grains are cooked and used for pig feed	Grains	-	Mizo
Wild /Local	Stem is used for pig feed. Leaves are used for serving food when feast is prepared	Stem	-	Mizo
Wild /Local	Whole plant is used for pig feed and corm is eaten by wild boar etc. Corm, stem and young leaves are eaten as vegetables. Juice of corm and leaves are medicinal	Whole plant	-	Mizo
Wild /Local	Flower panicles are used for making brooms, leaves are for cattle fodder	Panicles & Leaves	-	Mizo
Wild /Local	Juice of crushed leaves used for fever, stomachache, diarrhoea, dysentery, fresh cuts.	Leaves	-	Mizo
Wild /Local	Cooked leaves are used against diarrhoea, dysentery, stomach problems, diabetes etc	Leaves	-	Mizo
Wild /Local	Young leaves are good for cattle fodder	Leaves	-	Mizo
Wild /Local	Leaves are used for cattle fodder, pig feed	Leaves	-	Mizo
Wild /Local	Leaves used as pig feed	Leaves	-	Mizo
Wild /Local	Unripe fruit is used for pigs feed	Unripe fruit	-	Mizo
Wild /Local	Grains are eaten as vegetables. Used for feeding poultry and pigs	Grains & Leaves	-	Mizo
Wild /Local	Juice of leaves are used for treating eye and ear affections, skin affections	Leaves	-	Mizo

#### Format 4 : Weeds

1	2	3	4	5	6
Plant	Scientific name	Local name	Affected Crop	Impact	Landscape/habitat
Herb	<i>Acmella paniculata</i>	Ankasate	All the jhum crops	Growth is effected, which leads to decrease in crop production	Hilly terrain, cultivated and fallow land.
Climber	<i>Cyclanthera pedata</i>	Ar-a fanghma	-do-	-do-	-do-
Herb	<i>Solanum viarum</i>	Athlo hling	-do-	-do-	-do-
Shrub	<i>Ageratina adenophora</i>	Bihar Hlo	-do-	-do-	-do-
Herb	<i>Vernonia cinerea</i>	Buar	-do-	-do-	-do-
Erect herb	<i>Conyza stricta</i>	Buarthar rang	-do-	-do-	-do-
Herb	<i>Crassocephalum crepidioides</i>	Buarthau	-do-	-do-	-do-
Herb	<i>Blumea lanceolaria</i>	Buarze	-do-	-do-	-do-
Herb	<i>Stellaria media</i>	Changkalrit	-do-	-do-	-do-
Herb	<i>Lobelia nummularia</i>	Choak-a-thi	-do-	-do-	-do-
Herb	<i>Asystasiella neesiana</i>	Dai hlo	-do-	-do-	-do-
Herb	<i>Commelina benghalensis</i>	Dawng	-do-	-do-	-do-
Grass	<i>Imperata cylindrical</i>	Di	-do-	-do-	-do-
Shrub	<i>Mimosa pudica</i>	Hlonuar	-do-	-do-	-do-
Erect shrub	<i>Inula cappa</i>	Hmeithai sarawh tul	-do-	-do-	-do-
Herb	<i>Hypoestes phyllostachya</i>	Hnahde	-do-	-do-	-do-
Climber	<i>Dysolobium grande</i>	Hruichun	-do-	-do-	-do-
Climber	<i>Mucuna bracteata</i>	Hruiduk	-do-	-do-	-do-
Climber	<i>Mikania micrantha</i>	Japanhlo	-do-	-do-	-do-
Fern	<i>Dryopteris sp.</i>	Katchat	-do-	-do-	-do-
Climber	<i>Hedyotis capitellata</i>	Kelhnamtur	-do-	-do-	-do-
Climbing shrub	<i>Pericampylus glaucus</i>	Khauchhim	-do-	-do-	-do-
Herb	<i>Centella asiatica</i>	Lambak	-do-	-do-	-do-
Herb	<i>Saccharum longisetosum</i>	Luang	-do-	-do-	-do-
Herb	<i>Phyllanthus urinaria</i>	Mitthi sunhlu	-do-	-do-	-do-

Grass	<i>Cynodon dactylon</i>	Phaitualhlo	-do-	-do-	-do-
Grass	<i>Chrysopogon aciculatus</i>	Phaitualhnim	-do-	-do-	-do-
Climber	<i>Byttneria pilosa</i>	Sazuk nghawngghlap	-do-	-do-	-do-
Under shrub	<i>Urena lobata</i>	Se hnapp	-do-	-do-	-do-
Under shrub	<i>Triumfetta pilosa</i>	Se meibawm	-do-	-do-	-do-
Shrub	<i>Rubus birmanicus</i>	Siali nu chhu	-do-	-do-	-do-
Herb	<i>Cheilocostus speciosus</i>	Sumbul	-do-	-do-	-do-
Shrub	<i>Persicaria chinensis</i>	Taham	-do-	-do-	-do-
Grass	<i>Eulalia trispicata</i>	Thang	-do-	-do-	-do-
Herb	<i>Lindernia ruellioides</i>	Thasuih	-do-	-do-	-do-
Climber	<i>Merremia vitifolia</i>	Thiannu	-do-	-do-	-do-
Climber	<i>Merremia umbellata</i>	Thianpa	-do-	-do-	-do-
Herb	<i>Carex baccans</i>	Thip	-do-	-do-	-do-
Shrub	<i>Chromolaena odorata</i>	Tlamsam	-do-	-do-	-do-
Herb	<i>Houttuynia cordata</i>	Uithinthang	-do-	-do-	-do-
Herb	<i>Mollugo stricta</i>	Vahmima bung	-do-	-do-	-do-
Herb	<i>Ageratum houstonianum</i>	Vailenhlo	-do-	-do-	-do-
Herb	<i>Ageratum conyzoides</i>	Vailenhlo	-do-	-do-	-do-
Herb	<i>Lepidagathis incurva</i>	Vangvat hlo	-do-	-do-	-do-
Herb	<i>Bidens pilosa</i>	Vawkpuihal	-do-	-do-	-do-
Herb	<i>Croton caudatus</i>	Vawkze	-do-	-do-	-do-
Herb	<i>Cyanotis cristata</i>	Vawmkur	-do-	-do-	-do-
Herb	<i>Hibiscus surattensis</i>	Zawng anthur	-do-	-do-	-do-

7		8	9	10	11	12
Local Status		Uses if any	Management options	Associated TK	Other details	Community/ Knowledge holder
Past	Present					
Abundant	Abundant	Some weeds have medicinal properties and were used for treating fresh cuts, and certain illness. While other weeds like <i>Imperata cylindrical</i> , <i>Mikania micrantha</i> etc are used for pig feed and cattle fodder.	Weeding is done by using hands/knives. Herbicides and chemicals like Glycel and Fire were also used for mangaging weeds.	-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo
Abundant	Abundant			-	-	Mizo

[illegible]

### **Format 5 : Pests of Crops -**

1	2	3	4	5	6
Plant	Insect/Animal	Scientific Name	Local Name	Habitat	Time/Season of attack
Jhum crops	Worm	-	Balung	Jhum field	Whole year

Maize	Insect pest	<i>Spodoptera frugiperda</i>	Fall army worm	Jhum field	Apr – May
Jhum crops	Insect	<i>Caelifera</i> sp.	Khau	Jhum field	Mar – May
Brinjal/Bitter tomato	Insect	<i>Epicauda hirticornis</i>	Kutdurh	Jhum field	July – Aug
Jhum crops	Insect	<i>Trichogomphus martabani</i>	Rawmung	Jhum field	Apr-Aug
Orange	Insect	<i>Eusthenes</i> sp.	Thlangdar	Forest	June-September

7	8	9	10
Management Mechanism	Associated TK	Other Details	Community/ Knowledge holder
Mostly, the local communities do not used insecticides or pesticides to control pest attacking crops. They do not follow any specific mechanisms to manage these pests. Recent outbreak of fall armyworm attacking maize in the jhum fields have caused a serious damage to the crops and some farmers used insecticides like Emamectin benzoate 5% SG to control such pests .	-	-	Mizo
	-	-	Mizo
	-	-	Mizo
	-	-	Mizo
	-	-	Mizo
	-	-	Mizo

**Format 6 : Market for domesticated animals – NIL**

**Format 7 : Peoplescape**

1	2	3	4	5	6
Community & Population	Families & Major Occupation	Sub-occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape Management Practices
860, Mizo	150, farming	Domesticated		Forest products including timber, firewood, raw materials for constructions and furniture, wild vegetables and medicinal plants etc are the major resources obtained and season of access may vary from their availability.	-

7	8	9	10	11
Resource Management Practices	Cast/Tribe	Social Condition	Nature of inhabitants	No of Households
Noo specific mechanism followed for the resource management.	Mizo	Lower & Middle class	RCC, Assamtype, Pucca Assamtype	150

**Format 8 : Landscape**

1			2	3	4	5	6
Major Landscapes			Sub-land scape	Features and approx. area	Ownership	General Flora	General Fauna
Agri. Land	Pond	Fallow Land					
10 sq.kms	1 ha	3 Sq.Km		Hill Slope/Hilly Terrain	Mizo (Local Commu -nity)	<i>Acmella paniculata</i> , <i>Ageratina adenophora</i> , <i>Alseodaphne petiolaris</i> , <i>Ananus comosus</i> , <i>Bauhinia variegata</i> , <i>Bidens pilosa</i> , <i>Brassica rapa</i> , <i>Cajanus cajan</i> , <i>Callophyllum polyanthum</i> , <i>Citrus limon</i> , <i>Colocasia esculenta</i> , <i>Commelina benghalensis</i> , <i>Croton tiglium</i> , <i>Drimycarpus racemosus</i> , <i>Dryopteris sp</i> , <i>Engelhardtia spicata</i> , <i>Tetrameles nudiflora</i> , <i>Thysanolaena latifolia</i> , <i>Trema orientalis</i> , <i>Vernonia cinerea</i> , <i>Vigna unguiculata</i> , <i>Vitis vinifera</i> , <i>Wedlandia bundleioides</i> , <i>Zea mays</i> etc etc	<i>Arctogalidia trivirgata</i> , <i>Trachypithecus pileatus</i> , <i>Aonyx cinerea</i> , <i>Nyctiebus bengalensis</i> , <i>Macaca fascicularis</i> , <i>Callosciurus pygerythrus</i> , <i>Boiga ochracea</i> , <i>Ptyas mucosa</i> , <i>Argyrophis diardii</i> , <i>Melanocheilus tricarina</i> , <i>Kaloula assamensis</i> <i>Chiromantus vittatus</i> , <i>Hyla annectans</i> , <i>Occidozyga sp</i> , <i>Euphlyctis cyanophlyctis</i> <i>Hoplobatrachus crassus</i> , <i>Bufo stomaticus</i> etc

7	8		9	10	11	12
User Groups	Management Practices		General Uses	Associated TK	Other details	Community accessed
Local people	No specific management practice followed by the community or BMC. Members of the village councils have followed and practice land management systems.		For cultivation of agricultural crops	-	-	Mizo

**Format 9 : Waterscape**

1	2	3	4	5	6
Waterscape Element type	Sub-type	Features and approx. area	Ownership	General Flora	General fauna
Tuisa, Tiau Domesticated used were taken from Tuivawt through G.I pipe.		Not measured	Mizo, Local community	-	Prawn, Crab and indigenous fishes like <i>Garra</i> sp (Nghalim), <i>Neolissochilus</i> sp (Nghahrah), <i>Garra lissorhynchus</i> (Nghazawngkek), <i>Macrogynathus</i> sp. (Nghalerh), <i>Barilius barila</i> (Lengphar), <i>Devario devario</i> (Nghadawl), <i>Anguilla bengalensis</i> (Ngharul) etc.

7	8	9	10	11	12	13
Major Uses	User Groups	Management Practices	General Uses	Associated TK	Other details	Community accessed
Domestic uses like cooking, washing	Local people	No specific management practiced but VC, YMA and NGOs in the community preserved and protected their water sources (rivers).	Domestic uses	-	-	Local Community

**Format 10 : Soil type**

1	2	3	4
Soil Type	Color & Texture	Features	Soil Management
Red soil and sandy loamy soil	-	-	Soil fertility is maintained and preserved by practicing terrace system for cultivation of agricultural crops. Contour trenching has been practiced by some locals. The community does not practice any other systematic mechanism for the management of soils. Usually they practice using pig/cow dung and chicken

			manure as fertilizers for their crops. Soils are highly fertile and any kind of jhum crops can be cultivated and thrives very well in this kind of soils.
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5	6	7	8
Plants/Crop Suitable	Flora and Fauna	Associated TK	Other Information
Nearly all kinds of agricultural crops and jhum crops are cultivated.	<p><b>Flora:</b> <i>Acmella paniculata</i>, <i>Ageratina adenophora</i>, <i>Alseodaphne petiolaris</i>, <i>Ananus comosus</i>, <i>Bauhinia variegata</i>, <i>Bidens pilosa</i>, <i>Brassica rapa</i>, <i>Cajanus cajan</i>, <i>Callophyllum polyanthum</i>, <i>Citrus limon</i>, <i>Colocasia esculenta</i>, <i>Commelina benghalensis</i>, <i>Croton tiglium</i>, <i>Drimycarpus racemosus</i>, <i>Dryopteris sp.</i>, <i>Engelhardtia spicata</i>, <i>Erythrina variegata</i>, etc etc</p> <p><b>Fauna:</b> <i>Arctogalidia trivirgata</i>, <i>Trachypithecus pileatus</i>, <i>Aonyx cinerea</i>, <i>Callosciurus pygerythrus</i>, <i>Catopuma temmincki</i>, <i>Neofelis nebulosa</i>, <i>Trachypithecus pileatus</i>, <i>Trachypithecus phayrei</i>, <i>Arctonyx collaris</i>, <i>Helarctos malayanus</i>, <i>Leopoldamis edwardsi</i>, <i>Hoplobatrachus crassus</i>, <i>Bufo stomaticus</i> etc</p>	-	-

## DOMESTICATED BIODIVERSITY

### Format 11 : Fruit Trees

1	2	3	4	5	6		7
Plant type	Scientific name	Local name	Variety	Landscape Habitat	Local Status		Source of Plants/Seeds
					Past	Present	
Tree	<i>Protium serratum</i>	Bil	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Prunus domestica</i>	Japan theite	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Psidium guajava</i>	Kawlthei	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Myrica esculenta</i>	Keifang	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Rhus chinensis</i>	Khawmhma	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Artocarpus heterophyllus</i>	Lamkhuang	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Pyrus communis</i>	Pear	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Melia dubia</i>	Sakhithe	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Citrus limon</i>	Ser (fang)	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Citrus medica</i>	Serpui	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Citrus maxima</i>	Sertawk	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Citrus reticulata</i>	Serthlum	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Phyllanthus emblica</i>	Sunhlu	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Dimocarpus longan</i>	Theifeimung	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Mangifera indica</i>	Theihai	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Elaeocarpus rugosus</i>	Thei-kel-ek	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Choerospondias axillaris</i>	Theikhuangchawm	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Bruinsmia polysperma</i>	Theipalingkawh	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Ficus semicordata</i>	Theipui	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Carallia brachiata</i>	Theiria	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Artocarpus lacucha</i>	Theitat	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Prunus persica</i>	Theitehmul	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Ficus prostrata</i>	Theitit	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Carica papaya</i>	Thingfanghma	Local	Hilly Terrain	Insufficient	Insufficient	Locally available



Tree	<i>Tetrastigma leucostaphylum</i>	Thurpui	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Garunga floribunda</i>	Tuairam	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Antidesma bunius</i>	Tuaitit	Local	Hilly Terrain	Abundant	Abundant	Locally available
Tree	<i>Alphonsea ventricosa</i>	Zawng Balhla/Thei-vawk-ek	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Parkia timoriana</i>	Zawngtah	Local	Hilly Terrain	Insufficient	Insufficient	Locally available
Tree	<i>Morus alba</i>	Thing Theihmu	Local	Hilly Terrain	Insufficient	Insufficient	Locally available

8	9	10	11	12
Season of Fruiting	Uses (Usage)	Associated TK	Other details	Community/ Knowledge Holder
Apr – Jun	Fruit is edible. Wood is used for furniture, gunstock etc	-	Own/Market use	Mizo
May-Jul	Fruit is edible	Fruit is laxative and refrigerant	Own/Market use	Mizo
Sept-Nov	Bark & young leaves are used against diarrhoea, dysentery. Richest natural source of vitamin C	Juice of pounded bark, leaves & ripe fruits are applied to carbuncle. Bark paste is applied to toothache.	Own/Market use	Mizo
April - June	Wood is used for firewood, Charcoal. Leaves are used as fodder and riped fruits are eaten by man and birds.	Bark is used to poison fish. Decoction of the bark is effective for cough, fever, bronchitis, sore throat, diarrhoea and dysentery. Bark is chewed for toothache.	Own/Market use	Mizo
Dec-Jan	Decoction of fruit used for colic, diarrhoea, dysentery	Wood used for fence posts & gun powder	Own/Market use	Mizo
Jun-Aug	Decoction of root used in fever, asthma, leaves used in fever, skin diseases, wounds, boils etc	Young fruits and seeds used as vegetable	Own/Market use	Mizo
Apr-May	Fruits are eatable	-	Own/Market use	Mizo
Nov- Jan	Wood used for planking, ceilings, pencils, match boxes, plywood, building purposes, fence post etc	-	Own/Market use	Mizo
Jun-Sep	Fruits edible, rich source of vitamin C	Roots are used in colic, vomiting etc	Own/Market use	Mizo
Jun-Sep	Fruits edible, rich source of vitamin C	Roots are used in colic, vomiting etc	Own/Market use	Mizo
Nov-Mar	Fruit is medicinal	Seeds are used for hypertension and diabetes	Own/Market use	Mizo
Oct-Feb	Fruit is a rich source of vitamin C, eaten by man	Water of boiled leaves used for bathing in fever	Own/Market use	Mizo
Whole year	Fruit which is very rich in vitamin C.	Bark is used for poisoning fish. Juice of the crushed bark is used for lung diseases, tarantula bite, dysentery and diarrhoea. Bark is boiled and water is used for washing rash or sores. Pounded fruits are soaked in water and are taken for expelling the retained placenta. Fruits are boiled in water and drunk for diabetes.	Own/Market use	Mizo
Mar - July	Wood red, hard, durable used for furniture, posts, tool handles, firewood and charcoal. Fruits are edible and used in medicine.	-	Own/Market use	Mizo
May-Aug	Wood is used for furniture, boat building, planking, tea boxes, packing cases etc. Fruits are used for making pickles.	Decoction of young leaves used in diabetes, diarrhoea, ash of dried leaves is also taken to stop hiccough.	Own/Market use	Mizo
Oct - Feb	Wood light brown, soft, used for tea boxes, firewood etc	-	Own/Market use	Mizo
Aug-Nov	Fruit is edible	-	Own/Market use	Mizo
Dec-Feb	Fruits are edible	Juice of fruits and leaves are applied on sharp pain caused by nettles or by poisonous hairs of caterpillars	Own/Market use	Mizo

Throughout the year	Bark fibre is used for making ropes. Fruits are edible. Leaves are used for cattle fodder and polishing wood	Young fruits are pounded with tender shoots of <i>Acacia pennata</i> and eaten. white latex is applied on boils. Roots, bark and fruits are used in medicine	Own/Market use	Mizo
Dec – Mar	Fruit is edible. Leaves are lopped for cattle fodder	Bark and leaves are used in septic poisoning and itch.	Own/Market use	Mizo
May-July	Fruit is edible, wood is used for firewood.	-	Own/Market use	Mizo
Oct – Dec	Fruit is edible and leaves are lopped for cattle fodder	-	Own/Market use	Mizo
June – July	Fruit is edible	Juice of the root is given in snake bite and white latex is also applied in snake bites.	Own/Market use	Mizo
Whole year	Ripe fruit is good for digestion.	Decoction of unripe fruit is used to cure jaundice, diabetes etc. juice of boiled leaves is used to treat various type of cancer and stomach problems	Own/Market use	Mizo
May – Aug	Wood is used for firewood, leaves are good for fodder	-	Own/Market use	Mizo
Aug- Nov	Fruit is edible	-	Own/Market use	Mizo
Aug - Oct	Bark is used for making rope	Acid leaves are used in snake bites. Juice of crushed leaves are also used for whooping cough.	Own/Market use	Mizo
July - Oct	Wood is hard very elastic, used for boat building, native bows poles, tool handles, firewood etc	----	Own/Market use	Mizo
Nov-Feb	Unmatured pods and tender leaves are eaten as vegetable.	Young leaves and seeds are useful against food allergy, colic, diarrhoea and dysentery. Bark and fruits are prescribed to check excessive bleeding during menstruation. Juice of the green rind of the pod is applied to fresh cuts, scabies and itching.	Own/Market use	Mizo
April - June	Silkworm fed on its leaves. Young leaves and twigs are for fodder. Wood is used for furniture, house construction etc	Leaves are sometimes boiled with meats and eaten as curry	Own/Market use	Mizo

#### Format 12 : Medicinal Plants

1	2	3	4	5	6
Plant type	Local Name	Scientific Name	Variety	Landscape/habitat	Source of Plant/Seeds
Herb	Aieng	<i>Curcuma longa</i>	Local	Cultivated	Tuber
Herb	Ailaidum	<i>Curcuma caesia</i>	Local	Cultivated	Tuber
Herb	Anhling	<i>Solanum nigrum</i>	Local	Wild/Cultivated	Seeds
Climber	Ar-a fanghma	<i>Cyclanthera pedata</i>	Local	Wild	Seeds
Tree	Archangkawm	<i>Oroxylum indicum</i>	Local	Wild	Seeds
Succulent	Awle lei	<i>Aloe vera</i>	Local	Cultivated	Seeds
Fern	Awmvel	<i>Platyserium wallichii</i>	Local	Wild	Seeds
Climber	Bachhim	<i>Dioscorea alata</i>	Local	Wild	Seeds
Herb	Bahkhawr	<i>Eryngium foetidum</i>	Local	Wild/cultivated	Seeds
Herb	Bakkhate	<i>Glinus oppositifolius</i>	Local	Wild/cultivated	Seeds
Sub-shrub	Buarze	<i>Blumea lanceolaria</i>	Local	Wild	Seeds/Plantlet
Shrub	Builukham Pa/Nu	<i>Osbeckia crinita/chinensis</i>	Local	Wild	Seeds
Shrub	Chawng	<i>Euphorbia royleana</i>	Local	Wild	Seeds
Tree	Chhawntual	<i>Aporosa octandra</i>	Local	Wild	Seeds
Herb	Choak-a thi	<i>Lobelia angulata</i>	Local	Wild	Seeds

Tree	Fartuah	<i>Erythrina stricta</i>	Local	Wild	Seeds
Grass	Fu	<i>Saccharum officinarum</i>	Local	Cultivated	Seeds
Climber	Hlozak/Hlonuar	<i>Mimosa pudica</i>	Local	Wild	Plantlet
Tree	Hnahkiah	<i>Callicarpa arborea</i>	Local	Wild	Plantlet/seeds
Climber	Japanhlo	<i>Mikania micrantha</i>	Local	Wild	Seeds
Tree	Kaihzawl	<i>Dillenia pentagyna</i>	Local	Wild	Seeds
Tree	Kawhtebel	<i>Trevesia palmata</i>	Local	Cultivated	Seeds
Shrub	Kawldai	<i>Justicia adhatoda</i>	Local	Wild	Seeds
Herb	Kelba-an	<i>Plantago major</i>	Local	Wild	Seeds
Climber	Kelhnamtur	<i>Hedyotis scandens</i>	Local	Wild	Seeds
Tree	Khawmhma	<i>Rhus chinensis</i>	Local	Wild/cultivated	Seeds
Herb	Lambak	<i>Centella asiatica</i>	Local	Wild	Seeds
Climber	Maipawl	<i>Benincasa hispida</i>	Local	Cultivated	Seeds/Plantlet
Herb	Mitthi Sunhlu	<i>Phyllanthus urinaria</i>	Local	Wild	Seeds
Tree	Neem	<i>Azadirachta indica</i>	Local	Cultivated	Seeds
Tree	Pasaltakaza	<i>Helicia robusta</i>	Local	Wild	Seeds/Plantlet
Shrub	Pawhrual	<i>Maesa andamanica</i>	Local	Wild	Seeds
Shrub	Pawhrual	<i>Sarcococca pruniformis</i>	Local	Wild	Seeds
Shrub	Pawhrual (Mitthi pal)	<i>Justicia gendarussa</i>	Local	Wild	Seeds
Undershrub	Perhpawng chaw	<i>Scoparia dulcis</i>	Local	Wild	Seeds
Shrub	Phuihnam	<i>Clerodendrum colebrookianum</i>	Local	Wild/Cultivated	Seeds/Plantlet
Climber	Sarzuk	<i>Elaeagnus</i> sp	Local	Wild/Cultivated	Seeds
Herb	Sawhthing	<i>Zingiber officinale</i>	Local	Cultivated	Tuber
Herb	Sekhupthur	<i>Begonia</i> sp.	Local	Wild	Seeds
Herb	Sumbul	<i>Cheilocostus speciosus</i>	Local	Wild	Seeds
Shrub	Tawkpui	<i>Solanum torvum</i>	Local	Wild/cultivated	Seeds/Plantlet
Shrub	Tawkte	<i>Solanum anguivi</i>	Local	Wild/cultivated	Seeds/Plantlet
Herb	Thasuih	<i>Lindernia ruellioides</i>	Local	Wild	Seeds
Tree	Theihai	<i>Mangifera indica</i>	Local	Cultivated	Seeds
Tree	Thingfanghma	<i>Carica papaya</i>	Local	Cultivated	Seeds
Tree	Thingsia	<i>Castanopsis tribuloides</i>	Local	Wild	Seeds
Shrub	Tlangsam	<i>Chromolaena odorata</i>	Local	Wild	Seeds/Plantlet
Climber	Tluangngil	<i>Smilax glabra</i>	Local	Wild	Seeds
Herb	Tumbu	<i>Musa</i> sp.	Local	Wild	Seeds
Herb	Uithinthang	<i>Houttuynia cordata</i>	Local	Wild	Seeds
Climber	Va ko	<i>Thunbergia alata</i>	Local	Wild	Seeds
Shrub	Vakep	<i>Mussaenda roxburghii/Mussaenda glabra</i>	Local	Wild	Seeds
Climber	Vawihuihhru	<i>Paederia foetida</i>	Local	Wild	Seeds
Tree	Zihngghal	<i>Stereospermum tetragonum/chelonoides</i>	Local	Wild	Seeds
Climber	Zuanghnuang	<i>Byttneria grandifolia</i>	Local	Wild	Seeds
Tree	Zairum	<i>Anogeissus acuminata</i>	Local	Wild	Seeds

7		8	9	10	11	12
Local Status		Uses (Usage)	Part Used	Associated TK	Other details market/ own use	Community/ Knowledge Holder
Past	Present					
Abundant	Abundant	Medicinal	Rhizome	Juice of rhizome is used for stomach ulcer, jaundice, diarrhoea, dysentery, cholera, asthma, food poisoning, and also used as a tonic for blood purifier	Own use	Mizo
Insufficient	Insufficient	Medicinal	Rhizome	Rhizome is used for stomach ache, diarrhoea, dysentery, jaundice, asthma, measles, food allergy or food poisoning	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves, berries	Leaves are boiled in water and taken against urinary problems and kidney stones. Juice of green berries is applied to boils, ringworm etc	Own use	Mizo
Abundant	Abundant	Medicinal	Fruit	Fruit is rich in antioxidant and used in medicine	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves, fruit, bark	Decoction of root & bark is used in fevers, colic, stomach ulcer, indigestion, dysentery, diarrhoea etc. Poultice of the bark is applied to rheumatism, sprains, inflammations and skin diseases. Decoction of leaves is used in flatulence, ulcers, etc. decoction of fruit is used to treat diseases of liver, hepatitis etc	Own use	Mizo
Insufficient	Insufficient	Medicinal	Leaf pulp	Leaf pulp is used for liver complaints, spleen enlargement, jaundice, asthma, kidney stones, ulcers, fresh cuts and wounds, burns, skin diseases.	Own use	Mizo
Insufficient	Insufficient	Medicinal	Leaves	Juice of leaves is applied to herpes eruptions	Own use	Mizo
Insufficient	Insufficient	Medicinal	Tuber, Bulbil	Tubers and Bulbil are use as vegetable and also used to treat cancer	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves, roots	Leaves are used for flavouring curry. They are used for expulsion of threadworms from the body, as a remedy for food poisoning. Roots and leaves are boiled for treating malarial fever, diabetes, pneumonia, constipation	Own use	Mizo
Insufficient	Insufficient	Medicinal	Leaves	Whole Plant is medicinal	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves	Decoction of leaves used in ulcer, asthma, sores, dandruff etc	Own use	Mizo
Abundant	Abundant	Medicinal	Root & leaves	Decoction of roots is used in diarrhoea, dysentery, hepatitis etc, leaves for toothache	Own use	Mizo
Insufficient	Insufficient	Medicinal	Shrub, milky juice	Pith of this shrub and unripe fruit of papaya are cooked with chicken and water is taken against diseases of liver, chronic fever. Milky juice is used externally for ringworm, rheumatism, sciatica, boils, warts etc	Own use	Mizo
Abundant	Abundant	Medicinal	Bark, Leaves	Bark and leaves decoction used in stomach ulcer, diarrhoea and dysentery.	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves & Fruits	Juice of crushed leaves & fruits are used against diarrhoea, sore throat, stomach ulcer, tonsillitis and toothache	Own use	Mizo
Abundant	Abundant	Medicinal	Bark	Decoction of the bark is used for stomach ulcer and kidney trouble. Powder of the bark is used in fever, asthma, biliousness, rheumatism, itch, burning sensation, leprosy and epilepsy.	Own use	Mizo
Insufficient	Insufficient	Medicinal	Stem juice	Juice of the stem is used as a remedy for jaundice, purifies blood, good for lungs, diuretic etc	Own use	Mizo
Abundant	Abundant	Medicinal	Roots	Roots decoction used in piles and jaundice, diseases of liver and kidney etc	Own use	Mizo
Abundant	Abundant	Medicinal	Bark & Leaves	Decoction of bark and leaves used for diabetes, cholera, internal bleeding, stomach ulcer etc. Leaves are used for fermenting cooked soya bean ( <i>Bekang</i> ), famous mizo dish.	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves	Leaf juice applied on fresh wounds, stomach pain & ulcer	Own use	Mizo
Abundant	Abundant	Medicinal	Bark, leaves	Decoction of bark, leaves is used for curing gastric trouble, asthma, dysentery,	Own use	Mizo

				cancer etc		
Abundant	Abundant	Medicinal	Root, leaves	Roots and leaves are used to treat stomachache	Own use	Mizo
Insufficient	Insufficient	Medicinal	Leaves	Decoction of leaves is used for dysentery, jaundice, malarial fever, asthma, bronchitis, and juice of the crushed leaves is also applied to fresh cuts	Own use	Mizo
Insufficient	Insufficient	Medicinal	Whole plant	The leaves are eaten raw in salad or cooked as a pot herb. The plant is very rich in vitamin B11 and Riboflavin. Decoction of the whole plant is used in malarial fever, diabetes and tuberculosis. Warm water of cooked leaves is retained in mouth sore and tooth-ache. Juice of the leaves is externally used for wounds, boils, chronic ulcers, cuts, otitis, sprains, stings, swellings etc. leaves are crushed with fruits of <i>Solanum anguivi</i> and applied to pimples and small boils on the face. Poultice of leaves is also bound to cuts to draw out thorns and splinters.	Own use	Mizo
Abundant	Abundant	Medicinal	Roots & leaves	Decoction of roots/leaves is medicinal. The plant is also used as fish poison	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves & fruits	Decoction of fruit & Leaves used in various diseases	Own use	Mizo
Abundant	Abundant	Medicinal	Whole plant	Plant is used in diabetes, jaundice, pile, dysentery, diarrhoea, hypertension etc	Own use	Mizo
Abundant	Abundant	Medicinal	Fruit & Leaves	Juice of fruit is used for diarrhoea, cholera, diabetes, vomiting, kidney problems	Own use	Mizo
Abundant	Abundant	Medicinal	Roots and leaves	Roots and leaves are used in medicine	Own use	Mizo
Insufficient	Rare	Medicinal	Root, bark, leaves	Muga silkworm feeds on the leaves. Roots, bark and leaves are used in medicine	Own use	Mizo
Insufficient	Insufficient	Medicinal	Roots & fruits	Roots are used in colic, vomiting, flatulence. Fruits used in asthma, cough, diarrhoea, fever, blood purifier, skin diseases etc	Own use	Mizo
Insufficient	Insufficient	Medicinal	Bark & Leaves	Decoction of Bark, leaves used in stomach ulcer, indigestion, womb troubles etc	Own use	Mizo
Insufficient	Insufficient	Medicinal	Leaves	Juice of the pounded leaves is used as fomentation for sprains. Cramps and rheumatism. Decoction of the leaves is also taken for pains in muscles, tissues.	Own use	Mizo
Insufficient	Insufficient	Medicinal	Leaves	Juice of the crushed leaves is externally used for sprains and cramps. Decoction of the leaves is used against tonsillitis	Own use	Mizo
Insufficient	Insufficient	Medicinal	Leaves, stem, Roots	Juice of the pounded leaves, stem and roots are used in diabetes, stomach troubles, nausea, diarrhea, dysentery, toothache and also removal of stones in kidney. Juice of the leaves is also useful as external applications for snake bite, sores, burns and cuts.	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves	Leaf juice used in High blood pressure	Own use	Mizo
Insufficient	Insufficient	Medicinal	Roots & leaves	Decoction of roots and leaves is used for treating menstrual and urinary problems	Own use	Mizo
Abundant	Abundant	Medicinal	Rhizome	Rhizomes are used as spice and condiment, taken as a cure for food poisoning. Juice of pounded rhizome is given to women in case of sufficient supply of milk for their children and also dropped into the ear when attacked by ticks.	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves, stem	Stem and leaves are eaten against diarrhoea and dysentery, juice of the stem or stalk is also applied to rash or sores etc	Own use	Mizo
Abundant	Abundant	Medicinal	Roots	Juice of crushed roots used in diseases of kidney, fever, jaundice, bronchitis etc	Own use	Mizo
Abundant	Abundant	Medicinal	Fruit	-do-	Own use	Mizo
Abundant	Abundant	Medicinal	Fruit	Unripe fruit are eaten as vegetable. Roots and fruit are used in high blood pressure, asthma, dysuria, fever, colic. Crushed fruit is used in burns, boils etc	Own use	Mizo
Abundant	Abundant	Medicinal	Whole plant	Whole plant is used as poultice for cramps, rheumatism, sciatica, wounds etc	Own use	Mizo
Insufficient	Insufficient	Medicinal	Leaves	Young leaves are cooked and juice is eaten for food poisoning, diarrhoea,	Own use	Mizo

				dysentery etc		
Insufficient	Insufficient	Medicinal	Leaves, fruit	Fruit is edible and used for constipation, stomach troubles, juice of boiled leaves is used in treating stomach ulcer, cancer and other stomach related problems	Own use	Mizo
Abundant	Abundant	Medicinal	Bark, stem	Juice of bark and stem is used for infection, wounds and cuts etc	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves	Juice of the leaves applied to fresh cuts	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves, Roots	Pounded tuberous roots are used as rheumatism, stomach ache and diarrhoea. Decoction of leaves is also taken for curing tonsillities.	Own use	Mizo
Abundant	Abundant	Medicinal	Buds	Plaintain is cooked with water and water is drink for treating deficiency of white blood	Own use	Mizo
Abundant	Abundant	Medicinal	Whole plant	Whole plant is used in medicine, used for treating cancer, liver problems etc	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves	Decoction of leave used against diabetes, new cuts, stomach problem etc and also for treatment of cancer	Own use	Mizo
Abundant	Abundant	Medicinal	Bark, Levae	Bark and leaves are useful in snake bites	Own use	Mizo
Abundant	Abundant	Medicinal	Whole plant	The whole plant is regarded as a specific for rheumatic affection, in which it is administered both internally and externally. Juice of crushed leaves is used in diarrhoea and dysentery. Stem and leaves are also chewed for relief in tooth-ache	Own use	Mizo
Abundant	Abundant	Medicinal	Leaves	Leaves are lopped for fodder. Bark and young leaves are used as remedy for fever, stomach pain etc	Own use	Mizo
Abundant	Abundant	Medicinal	Stem	Stem juice used for mouth sore, stomach ulcer etc	Own use	Mizo
Insufficient	Insufficient	Medicinal	Leaves, Bark	Water of cooked leaves is taken as remedy for high blood pressure. Decoction of bark is used in stomach troubles, fever, diarrhoea and also applied on measles, chicken pox, sprains and burns	Own use	Mizo

### Format 13 : Ornamental Plants

1	2	3	4	5
Plant type	Local Name	Scientific Name	Variety	Source of Plants/Seeds
Herb	Ar-tukkhuan	<i>Mirabilis jalapa</i>	Local variety	Locally available
Shrub	Christmas par	<i>Poinsettia pulcherrima</i>	Introduced	Locally available
Herb	Chuaipar	<i>Gomphrena globosa</i>	Local variety	Locally available
	Di par	<i>Gladiolus dalenii/natalensis</i>	Local variety	Locally available
Perennial Herb	Dingdi	<i>Asclepias curassavica</i>	Local variety	Locally available
Tree	Fartuah	<i>Erythrina stricta</i>	Local variety	Locally available
Succulent shrub	Hling lukhum	<i>Euphorbia milii</i>	Introduced	Locally available
Herb	Kumtluang	<i>Catharanthus roseus</i>	Local variety	Locally available
Perennial herb	Kungpuimuthi	<i>Canna indica</i>	Local variety	Locally available
Shrub or small tree	Midum pangpar	<i>Hibiscus rosa-sinensis</i>	Local variety	Locally available
Shrub	Rose par	<i>Rosa indica</i>	Local variety	Locally available
Tree	Vaube	<i>Bauhinia variegata</i>	Local variety	Locally available
Annual herb	Zamzo	<i>Celosia argentea</i>	Local variety	Locally available
Glabrous shrub	Zan rimtui	<i>Cestrum nocturnum</i>	Local variety	Locally available

6	7	8	9	10
Commercial/Non commercial	Uses	Associated TK	Other Details	Community/ Knowledge holder
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo
Non commercial	Ornamental purpose	-	-	Mizo

#### Format 14 : Timber plants

1	2	3	4	5		6	7
Plant Type	Local Name	Scientific Name	Habitat	Local Status		Wild/ home-garden	Other uses
				Past	Present		
Tree	Batling	<i>Wedlandia bundleioides</i>	Wild	Abundant	Abundant	Wild	Wood is used for gunpowder, charcoal, firewood etc
Tree	Belphuar	<i>Trema orientalis</i>	Wild	Abundant	Abundant	Wild	Wood is used for gunpowder, charcoal, firewood etc
Tree	Berawchal	<i>Canarium bengalense</i>	Wild	Insufficient	Insufficient	Wild	Wood heartwood, reddish brown, used for firewood etc
Tree	Biruchuk	<i>Lithocarpus obscurus</i>	Wild	Abundant	Abundant	Wild	Wood very hard, used for building, fuelwood, charcoal etc
Tree	Bul	<i>Alseodaphne petiolaris</i>	Wild	Abundant	Abundant	Wild	Wood is used for building, furniture, firewood etc
Tree	Bulfek	<i>Phoebe lanceolata</i>	Wild	Abundant	Abundant	Wild	Heartwood used for firewood and leaves for cattle fodder
Tree	Bulpui	<i>Alseodaphne petiolaris</i>	Wild	Abundant	Abundant	Wild	Wood used for building, furniture, firewood etc
Tree	Bulthur	<i>Nyssa javanica</i>	Wild	Abundant	Abundant	Wild	Wood is grey, yellow, soft used for house building
Tree	Bung	<i>Ficus benghalensis</i>	Wild	Insufficient	Insufficient	Wild	Wood used for fuelwood, well curbs etc
Tree	Chalthei	<i>Pyrus pashia</i>	Wild	Abundant	Abundant	Wild	Wood reddish brown, hard used for making walking stick, combs, tobacco pipe and firewood. Leaves for fodder
Tree	Char	<i>Terminalia myriocarpa</i>	Wild	Abundant	Abundant	Wild	Wood used for furniture, house building, firewood etc
Tree	Chhawntual	<i>Aporosa octandra</i>	Wild	Abundant	Abundant	Wild	Wood used for firewood and charcoal etc
Tree	Fah	<i>Lithocarpus dealbatus</i>	Wild	Abundant	Abundant	Wild	Wood used for rice pestle, firewood and charcoal etc
Tree	Fartuah	<i>Erythrina variegata</i>	Wild	Abundant	Abundant	Wild	Wood is used for drums, toys etc and bark fibre for cordage
Tree	Haivahmim	<i>Mangifera indica</i>	Wild	Insufficient	Insufficient	Wild	Wood used for cheap furniture, house building, frames etc
Tree	Hmawng	<i>Ficus sp</i>	Wild	Abundant	Abundant	Wild	Wood used for fuel and charcoal etc
Tree	Hmuipui/Lenhmui	<i>Syzygium cumini</i>	Wild	Abundant	Abundant	Wild	Wood is moderately hard, used for plywood, furniture, tool handles, panels, posts and firewood etc
Tree	Hnahkhar	<i>Macaranga indica</i>	Wild	Abundant	Abundant	Wild	Wood used for firewood

Tree	Hnahpawte	<i>Litsea lancifolia</i>	Wild	Abundant	Abundant	Wild	Wood used for firewood
Tree	Hnahthap	<i>Colona floribunda</i>	Wild	Abundant	Abundant	Wild	Wood is used for making lockets of key chain and firewood
Tree	Hnum	<i>Engelhardtia spicata</i>	Wild	Abundant	Abundant	Wild	Wood used for house construction, tea boxes, packing etc
Tree	Hriang	<i>Betula alnoides</i>	Wild	Abundant	Abundant	Wild	Wood used for furniture, plywood, tool handles.
Tree	Hriangzau	<i>Betula cylindrostachya</i>	Wild	Abundant	Abundant	Wild	Wood red, hard, heavy used for building, furniture, firewood and charcoal
Tree	Kawihthuang	<i>Leucosceptrum canum</i>	Wild	Insufficient	Insufficient	Wild	Wood can be used as firewood
Tree	Khaupui	<i>Sterculia villosa</i>	Wild	Abundant	Abundant	Wild	Wood very soft is used for drums and paper pulp
Tree	Khawkerh	<i>Juglans regia</i>	Wild	Abundant	Abundant	Wild	Wood used for cabinet making, furniture, carving etc
Tree	Khiang	<i>Schima wallichii</i>	Wild	Abundant	Abundant	Wild	Wood durable is used in planking, building, plywood, firewood
Tree	Khuangthli	<i>Bischofia javanica</i>	Wild	Abundant	Abundant	Wild	Wood used for house building, furniture, firewood etc
Tree	Kumkhal /Umkhal	<i>Elaeocarpus tectorius</i>	Wild	Abundant	Abundant	Wild	Wood used for firewood
Tree	Muk	<i>Cordia fragrantissima</i>	Wild	Abundant	Abundant	Wild	Wood durable, used for gunstocks, posts and firewood etc
Tree	Nganbawm	<i>Acrocarpus fraxinifolius</i>	Wild	Abundant	Abundant	Wild	Wood used for furniture, motor bodies, planking, flooring etc
Tree	Ngiau	<i>Michelia champaca</i>	Wild	Insufficient	Insufficient	Wild	Wood hard and durable used in furniture, building, planking
Tree	Pang	<i>Bombax insigne</i>	Wild	Insufficient	Insufficient	Wild	Wood used for packing cases, matchboxes, splints
Tree	Phuanberh	<i>Macropanax undulatus</i>	Wild	Abundant	Abundant	Wild	Wood is soft and can be used for firewood
Tree	Phuanberhpui	<i>Ailanthus integrifolia</i> spp	Wild	Abundant	Abundant	Wild	Wood used for partition wall, plywood, packing cases etc
Tree	Ramlakhuhi	<i>Pandanus odorifer</i>	Wild	Insufficient	Insufficient	Wild	Fruit is used for combing cotton yarn and seeds are edible
Tree	Saper	<i>Lindera nacusua</i>	Wild	Abundant	Abundant	Wild	Wood used for building construction
Tree	Saperbul	<i>Cinnamomum glaucescens</i>	Wild	Abundant	Abundant	Wild	Wood is durable, used for furniture, boat building, fuelwood
Tree	Sehawr	<i>Castanopsis indica</i>	Wild	Abundant	Abundant	Wild	Wood hard used for furniture, building, firewood etc
Tree	Sihneh	<i>Eurya japonica</i>	Wild	Abundant	Abundant	Wild	-
Tree	Taitaw	<i>Spondias pinnata</i>	Wild	Abundant	Abundant	Wild	Wood used for drums, firewood etc
Tree	Tei	<i>Toona ciliata</i>	Wild	Abundant	Insufficient	Wild	wood used for furniture, house building, ceiling, floors etc
Tree	Theikum	<i>Diospyros malabarica</i>	Wild	Abundant	Abundant	Wild	Wood used for building, firewood etc
Tree	Theipalingkawh	<i>Bruinsmia polysperma</i>	Wild	Insufficient	Insufficient	Wild	Sawn timber used for house construction
Tree	Theipui	<i>Ficus semicoradata</i>	Wild	Abundant	Abundant	Wild	Wood used for mortars, firewood etc
Tree	Thil	<i>Lithocarpus polystachyus</i>	Wild	Abundant	Abundant	Wild	Wood used for building, firewood etc
Tree	Thingkha	<i>Derris robusta</i>	Wild	Abundant	Abundant	Wild	Wood used for house posts, firewood and charcoal
Tree	Thingsaphu	<i>Dysoxylum mollissimum</i>	Wild	Insufficient	Rare	Wild	Wood red, durable used for house building, furniture, boats
Tree	Thingsia	<i>Castanopsis tribuloides</i>	Wild	Abundant	Abundant	Wild	Wood used for house posts, firewood, charcoal etc
Tree	Thingtheihmu	<i>Morus alba</i>	Wild	Insufficient	Insufficient	Wild	Wood used for house construction, furniture, tool handles etc
Tree	Thlanvawng	<i>Gmelina arborea</i>	Wild	Abundant	Abundant	Wild	Wood used for planking, furniture, house posts etc
Tree	Tiar	<i>Saurauia punduana</i>	Wild	Abundant	Abundant	Wild	Wood light, brown, soft used for firewood and charcoal
Tree	Tiarpui	<i>Saurauia napaulensis</i>	Wild	Abundant	Abundant	Wild	Wood, light pink, soft used for temporary building, firewood and charcoal and leaves for fodder
Tree	Vang	<i>Albizia chinensis</i>	Wild	Abundant	Abundant	Wild	Wood used for making drum, firewood and charcoal etc
Tree	Vaube	<i>Bauhinia variegata</i>	Wild	Abundant	Abundant	Wild	Wood is used for tool handles, firewood, charcoal etc. leaves are a good fodder. Decoction of bark/leaves is used in menstrual disorders, piles, diabetes, diarrhoea and dysentery
Tree	Vawmbal	<i>Drimycarpus racemosus</i>	Wild	Insufficient	Insufficient	Wild	Wood is used for building, boats, firewood etc



Tree	Zairum	<i>Anogeissus acuminata</i>	Wild	Insufficient	Insufficient	Wild	Wood used for house posts, tool handles, fuel and charcoal etc
Tree	Zihngghal	<i>Stereospermum chelonoides</i>	Wild	Abundant	Abundant	Wild	Wood used for house construction, cabinet making, furniture
Tree	Zuang	<i>Duabanga grandiflora</i>	Wild	Abundant	Abundant	Wild	Wood used for building, plywood, firewood etc

8	9	10
Associated TK	Other details	Community/ knowledge holder
	Wood pole is used for fencing post.	Mizo
Bark yields a strong fibre and leaves are lopped for cattle fodder	It is a light demanding tree, fast growing and short lived tree	Mizo
-	-	Mizo
-	-	Mizo
-	Ripe fruit is eaten by birds and animals	Mizo
-	It is a shade bearer and fast growing tree	Mizo
-	-	Mizo
-	Fruit is eaten by birds and wild animals	Mizo
Bark and aerial roots are used for making coarse ropes	Leaves are good for cattle fodder	Mizo
Leaves are used in medicine	-	Mizo
-	Leaves are good for fodder, it is a fast growing tree	Mizo
-	Leaves are lopped for cattle fodder	Mizo
-	-	Mizo
Tender pods are edible, seeds edible roasted or boiling, bark and leaves are also used in medicine	It is a fast growing tree and cultivated as ornamental and hedge plant	Mizo
Decoction of young leaves is used in diabetes, diarrhoea and ash of dried leaves is taken to stop hiccup	It prefers deep well drained loamy soil and it is a shade bearer	Mizo
Leaves and twigs are lopped for cattle fodder	Bark, fruit and leaves are used in medicine	Mizo
Seed is very useful for treating diabetes and the bark for fever, jaundice, urinary problems, sore throat, roncitis, asthma, ulcers and chronic dysentery etc	Fruits are eaten by man, birds and wild animals	Mizo
-	-	Mizo
Root is medicinal for diarrhoea	-	Mizo
-	-	Mizo
Bark is medicinal and also used for poisoning fish. Leaves are lopped for fodder	It is a light demander	Mizo
-	The plant is said to be used as snake bite remedy. It can tolerate moderate shade and it is a moderate shade growing tree	Mizo
-	It is a fast growing tree	Mizo
-	-	Mizo
Seeds are eaten roasted or fried. Bark yields a strong fibre	Decoction of the bark is used in cholera, dysentery, diarrhoea and tonsillitis	Mizo
Rind of the unripe fruit and young leaves are used to intoxicate fish and nuts for tanning and dyeing	Leaves are used for cattle fodder, it is a light demander and moderate fast growing tree	Mizo
Powdered fruit is used in scorpion sting, bites of centipede, juice of the bark for chronic ulcer and fresh cuts. Leaves are lopped for fodder	Tender leaves are cooked eaten. It is moderate light demander and moderately fast growing tree	Mizo
Juice of young leaves is used for curing tonsillitis and sores	Bark, stem and leaves are also medicinal. Leaves are lopped for cattle fodder	Mizo
-	-	Mizo

Bark is used for constipation and leaves for toothache	-	Mizo
Leaves are lopped for cattle fodder	This tree is a quick growing and moderate light demander	Mizo
-	-	Mizo
Leaves are lopped for cattle fodder	-	Mizo
Tender leaves are cooked and eaten without its water as vegetables	Leaves are lopped for cattle fodder	Mizo
-	-	Mizo
Fibre obtained from the leaves is used for nets, sacks and brushes. Decoction of the roots is also used in diseases of kidney etc.	-	Mizo
Leaves are eaten cooked as vegetable	-	Mizo
-----	-----	Mizo
-----	-----	Mizo
Decoction of bark is used in treating diarrhoea, dysentery and rheumatism	Juice of crushed bark is also applied to fresh cuts	Mizo
Bark is useful in fever, diarrhoea, itching and flowers in menstrual disorders	Leaves are lopped for cattle fodder	Mizo
-	-	Mizo
Juice of fruits and leaves are applied on sharp pain caused by nettles or poisonous hairs of caterpillars	It is a fast growing tree	Mizo
-	-	Mizo
-	-	Mizo
Leaves are used as soap for washing ' <i>Mizo Pawnpui</i> ' (Blanket)	It is a fast growing, good coppice and favoured for birds nesting. Bark can be used for poisoning fish, juice of crushed bark and leaves are used to tick bite.	Mizo
Decoction of bark is used as an effective remedy for diabetes and high blood pressure	Leaves are lopped for cattle fodder	Mizo
Bark is used internally for pain in the stomach	-	Mizo
Juice of the stem is recommended for mouth infection in children	--	Mizo
Silkworm fed on its leaves. Leaves are sometimes boiled with meats and eaten as curry. Root bark, leaves and fruits are also medicinal.	Young leaves and twigs are good for cattle fodder	Mizo
Flowers are eaten cooked as vegetables, leaves are lopped for cattle fodder	It is a light demander and fire resistant, fast growing tree	Mizo
-	-	Mizo
Bark is used as anaesthesia and antiseptic	-	Mizo
Bark used to poison fish. Leaves are lopped for cattle fodder	It is a moderate light demander and fast growing tree	Mizo
Leaves, tender fruits and flower buds are eaten as vegetable	It is a moderate light demander and wind firm tree	Mizo
Thick paste of the plant is applied on broken bone. Juice of the plant is also applied on sore of baby's navel	Plant is laxative and cooling used for cold, sinusitis and menstruation problems	Mizo
Decoction of the bark is used in stomach troubles, fever, diarrhea and also applied on measles, chicken pox, sprains and burns.	Leaves are cooked in water and water is taken as a remedy for high blood pressure	Mizo
Root, leaves and flowers are also used medicinally. Bark and young leaves are used as a remedy for fever, stomach ache etc	--	Mizo
Bark is bruised, boiled with soil impregnated with urine to produce a bluish dye	Fast growing tree	Mizo

**Format 15 : Domesticated Animals**

1	2	3	4	5	6		
Animal type	Local name	Scientific name	Breed	Features	Method of keeping		
Poultry	Ar	<i>Gallus domesticus</i>	Local	-	Poultry house made up of bamboo, poles and GI Sheets near the house		
Cattle	Bawng	<i>Bos gaurus</i>	Local	-	Cattle Shed		
Poultry	Broiler Ar	<i>Gallus gallus domesticus</i>	Broiler	-	Poultry House/Shed		
Poultry	Parva	<i>Columba livia</i>	Local	-	Poultry house/shed		
Dog	Ui	<i>Cannis familiaris</i>	Local	-	Kennel		
Poultry	Beram	<i>Ovis aries</i>	Local	-	Cattle shed		
Poultry	Sial	<i>Bos frontalis</i>	Local	-	Cattle shed		
Pig	Vawk	<i>Artiodactyla suidae</i>	Local	-	Pig shed built separately near the owner's house		
Cat	Zawhte	<i>Felis catus</i>	Local	-	Inside house alongwith the owner's family		
7		8	9		10	11	12
Local Status		Uses	Associated TK		Commercial Rearing	Other details	Community/ Knowledge holder
Past	Present						
Abundant	Abundant	For meat and eggs	Chickens are used for sacrifice in olden days		Commercial and own use	Dung is used as fertilisers for cultivated crops	Mizo
Abundant	Abundant	For meat and milk	-		Commercial	Cow dung is used as fertilizers	Mizo
Insufficient	Insufficient	For meat	-		Commercial	Dung is used as fertilisers for cultivated crops	Mizo
Insufficient	Insufficient	---	-		-	-	Mizo
Abundant	Abundant	For housekeeper	Fresh blood used for inflammatory disease of gland (Hrilawn)		-		Mizo
Abundant	Abundant	For meat	-		-	-	Mizo
Insufficient	Insufficient	For meat	-		-	-	Mizo
Abundant	Abundant	For meat	-		Commercial	Dung is used for cultivated crops	Mizo
Abundant	Abundant	----	-		-	-	Mizo

**Format 16 : Culture Fisheries**

Format for Culture Fisheries

1	2	3	4	5	6	7	
Fish type	Local Name	Scientific Name	Variety	Features	Waterscape	Local status	
						Past	Present
Carp	Common carp	<i>Cyprinus carpio</i>		-	-do-	Insufficient	Abundant
Carp	Grass carp	<i>Ctenopharyngodon idella</i>		-	-do-	Insufficient	Abundant

8	9	10	11	12
Uses	Associated TK	Commercial rearing	Other details	Community/Knowledge holder
Edible	-	Commercial		Mizo
Edible	-	Commercial		Mizo

# WILD BIODIVERSITY

## Grasses, Climbers

1	2	3	4	5	6	
Plant type	Local Name	Scientific Name	Habit	Habitat	Local status	
					Past	Present
Herb	Aidu	<i>Amomum dealbatum</i>	Perennial herb	Wild	Abundant	Abundant
Herb	Anhling	<i>Solanum americanum</i>	Herb	Wild	Abundant	Abundant
-	Bahra	--	-	Wild	Abundant	Abundant
Shrub	Builukham nu	<i>Melastoma malabathricum</i>	Evergreen large shrub	Wild	Abundant	Abundant
Shrub	Builukham pa	<i>Osbeckia stellata</i>	Erect branched shrub	Wild	Abundant	Abundant
Fern	Chakawk	<i>Diplazium esculentum</i>	Large terrestrial fern	Wild	Abundant	Abundant
Bamboo	Chal	<i>Bambusa khasiana</i>	Tall grass	Wild	Abundant	Abundant
Herb	Hnahthial (Pa)	<i>Stachyphrynium placentarium</i>	Perennial herb	Wild	Abundant	Abundant
Climber	Hruiduk	<i>Mucuna bracteata</i>	Climber	Wild	Abundant	Abundant
Climber	Hruihmul	<i>Pueraria montana</i> var. <i>lobata</i>	Perennial deciduous hairy climber	Wild	Abundant	Abundant
Climber	Hruirithet	<i>Tetrastigma rumicispermum</i>	Large climber	Wild	Abundant	Abundant
Climber	Kai ha	<i>Smilax perfoliata</i>	Large climber	Wild	Abundant	Abundant
Fern	Katchat	<i>Nephrolepis cordifolia</i>	Terrestrial or Epiphytic fern	Wild	Abundant	Abundant
Tree	Kawhte bel	<i>Trevesia palmata</i>	Small evergreen tree	Wild	Abundant	Abundant
Climber	Kawihruai	<i>Entada phaseoloides</i>	Large climber	Wild	Abundant	Abundant
Herb	Kawlbahra	<i>Ipomoea batatas</i>	Perennial prostrate herb	Wild	Abundant	Abundant
Climber	Khangpawl	<i>Acacia pruinescens</i>	Large climber with recurved prickles	Wild	Abundant	Abundant
Climber	Khangsen	<i>Acacia megaladena</i>	Climber	Wild	Abundant	Abundant
Climber	Lengphek	<i>Tetrastigma coriaceum</i>	Climber	Wild	Abundant	Abundant
Bamboo	Mautak	<i>Melocanna baccifera</i>	Evergreen single culm Bamboo	Wild	Abundant	Abundant
Shrub	Pangbal	<i>Manihot esculenta</i>	Herbaceous shrub	Wild	Insufficient	Insufficient
Bamboo	Phulrua	<i>Dendrocalamus hamiltonii</i>	Large tufted bamboo	Cultivated	Abundant	Abundant
Bamboo	Rawnal	<i>Dendrocalamus longispathus</i>	Long sheath bamboo	Cultivated	Abundant	Abundant
Climbing Pear Bamboo	Sairil	<i>Melocalamus compactiflorus</i>	Climbing bamboo	Wild	Abundant	Abundant
Shrub	Siali nu chhu	<i>Rubus birmanicus</i>	Large shrub	Wild	Insufficient	Insufficient
Shrub	Sihneh	<i>Eurya cerasifolia/japonica</i>	Evergreen shrub or small tree	Wild	Abundant	Abundant
Shrub	Thakpui	<i>Dendrocnide sinuata</i>	Large Evergreen Shrub	Wild	Abundant	Abundant
Climber	Tluangngil	<i>Smilax glabra</i>	Slender climber	Wild	Insufficient	Insufficient
Shrub	Vakep	<i>Mussaenda glabra/macrophylla</i>	Large erect shrub	Wild	Abundant	Abundant
Climber	Vako	<i>Thunbergia grandiflora</i>	Large climber	Wild	Abundant	Abundant
Shrub	Vani an	<i>Lycianthes neesiana</i>	Shrub with bluish white flowers	Wild	Abundant	Abundant
Climber	Vawihuih hrui	<i>Paederia foetida</i>	Slender wiry foetid climber	Wild	Abundant	Abundant
Tree	Zairum	<i>Anogeissus acuminata</i>	Big tree	Wild	Insufficient	Insufficient
Climber	Zawnga leihawn	<i>Bauhinia scandens</i>	Large evergreen climber with flat stem	Wild	Abundant	Abundant
Tree	Zuang	<i>Duabanga grandiflora</i>	Big tree	Wild	Abundant	Abundant

7	8	9	10	11
Commercial/ own use	Part collected	Associated TK	Other details	Community Knowledge Holder
Own use	Young shoots, Buds	Stem is used for tying purposes, leaves are also used for fermenting cooked soya beans	Plant is used for a cure of enlargement of the liver, young shoots and buds are eaten cooked or fired as vegetables	Mizo
Own use	Leaves, berries	Water of boiled leaves is taken against urinary problems and stones in kidney. Juice of green berries is applied to ringworm, boils etc.	This plant is eaten cooked as vegetable	Mizo
Own use	Tuber	-	Tuber is eaten cooked as vegetable	Mizo
Own use	Whole plant	Fruits edible, leaves are used for cuts, diarrhoea and dysentery	Whole plant is used for high blood pressure	Mizo
Own use	Root	Decoction/infusion of root is useful in diseases of kidney, dysuria, stomach complaints, dysentery and for expelling threadworms from the body	-	Mizo
Own use	Fronds	-	Young fronds are eaten cooked as vegetable	Mizo
Own use	Culms, shoots	Culms are used for receptacle of womans pipe, basket work and building	Young shoots are edible.	Mizo
Own use	Leaves	Leaves are used for packing and wrapping foodstuff like cooked rice, raw sugar and other eatable items including fresh vegetables	-	Mizo
Own use	-	The plant is used as a cover crop in Rubber and Oil palm plantation	-	Mizo
Own use	Roots, Leaves	Roots are used to poison fish	Leaves are eaten by cattle and buffaloes	Mizo
Own use	Fruit	-	Ripe fruit is edible	Mizo
Own use	Stem	Pieces of stem are used for cleaning teeth	-	Mizo
Own use	-	-	-	Mizo
Own use	Shoots, flowers, fruits	Shoots, young fruits and flower buds are eaten as vegetable	Roots and leaves are used to treat stomach-ache	Mizo
Own use	Leaves, seeds	Seeds are used for washing hairs and splitted stem for tying purposes. It is also used for playing games by Mizo boys and girls. Pounded seeds mixed with water is used for expelling leeches from cattle nostrils	Tender leaves are eaten cooked as vegetable. Seeds are roasted and eaten.	Mizo
Own use	Leaves	Leaves are eaten cooked as vegetable, and also used against diarrhoea, dysentery, stomach-ache, digestive troubles, diabetes etc	-	Mizo
Own use	Leaves	Tender leaves are acid and eaten as vegetable.	Plants are prescribed for asthma, bronchitis and pneumonia. Leaves are also used in scabies and snake bite	Mizo
Own use	Bark	Bark is used as fish poison and medicine	-	Mizo
Own use	-	-	-	Mizo
Own use	Culm, Tender shoots	Culm is used for building,. Paper pulp and also used for making house walls, thatching, mats, baskets etc. the glossy surface of the stem is scraped and powder is applied to fresh cuts.	Tender shoots are boiled and eaten, used in curries and pickles.	Mizo
Own use	Roots, shoots	Tuberous roots are eaten cooked or fried.	Tuberous roots are used externally for skin diseases	Mizo
Own use	Culms, shoots	Culms are used for temporary building, mats, baskets, agarbati	Young shoots are eaten cooked as vegetables	Mizo

		sticks, paper, fuel, gutters, water vessel etc		
Own use	Culms, Shoots	Culms are used for making paper pulp, baskets, building etc	Young shoots are eaten cooked as vegetables	Mizo
Own use	Stem	It is used for making hats, baskets etc.	Juice of stem is used for influenza and applied to scalp for curing dandruff, falling hairs and baldness.	Mizo
Own use	-	-	-	Mizo
Own use	Leaves	Tender leaves are eaten cooked with rice or meats	Wood used for firewood and charcoal	Mizo
Own use	Roots	Decoction of roots is used in diseases of liver, jaundice, fever, chicken pox, skin itching.	Pounded roots with crabs are prescribed in malaria and jaundice	Mizo
Own use	Roots, Leaves	Pounded tuberous roots is employed in rheumatism, stomach ache and diarrhoea. Decoction of leaves is also taken for curing tonsillitis	-	Mizo
Own use	Bark, Leaves	Bark and leaves are useful in application of snake bites	-	Mizo
Own use	Leaves	Juice of the leaves is useful for diabetes, eye diseases, fresh cuts. Decoction of leaves is used for stomach troubles	-	Mizo
Own use	Leaves	-	Leaves are eaten cooked as vegetable	Mizo
Own use	Stem , Leaves	Juice of the crushed leaves is used for diarrhoea and dysentery. Stem and leaves are also chewed for relief in toothache	-	Mizo
Own use	Wood, bark, leaves	Wood is hard used for house posts, tool handles, fuel and charcoal. Decoction of bark is used in stomach pain, fever, diarrhoea, measles, chicken pox, sprains and burns.	Leaves are cooked with water and the water is used for treating high blood pressure	Mizo
Own use	Bark	Bark is used for making rope	-	Mizo
Own use	Wood , bark	Bark is bruised and boiled with soil impregnated with urine to produce a bluish dye	Wood is used for house building, scaffolding, plywood, firewood etc	Mizo

#### Format 19 : Wild Plant Species of Importance

1	2	3	4	5
Local Name	Scientific Name	Variety	Importance (Economic, Social & Cultural)	Status
Builukham	<i>Osbeckia</i> sp.	Wild	Leaves are used for cuts, diarrhoea and dysentery. Whole plant is used for hypertension	Abundant
Hnahthial	<i>Phrynium/Stachyphrynium</i> sp.	Wild	Leaves are used for packing and wrapping food stuff and vegetables, also used for carpeting rice bin	Abundant
Kham damdawi	<i>Bergnia pacumbis</i>	Wild	Bitter root is used in fever, dysuria, spleen enlargement, liver diseases, stomachache, diarrhoea, dysentery etc and also applied to wounds, sores and boils.	Insufficient
Khaupui	<i>Sterculia villosa</i>	Wild	Bark yields a strong fibre. Decoction of bark is used for cholera, dysentery, diarrhoea and tonsillitis	Insufficient
Rulei	<i>Millettia pachycarpa</i>	Wild	Roots and pods are used to poison fish. Juice of crushed roots is applied on mange of pigs	Abundant
Saithei	<i>Gynocardia odorata</i>	Wild	Fruit is hit, anthelmintic, used in bronchitis, ulcers, skin diseases, small tumors and slightly inflammations, leprosy, diabetes, etc. decoction of root bark is also recommended for diabetes.	Insufficient
Zairum	<i>Anogeissus acuminata</i>	Wild	Wood is used for charcoal, fuel, tool handles. Water of cooked leaves is taken as remedy for high blood pressure. Decoction of bark is used in stomach troubles, fever, diarrhoea and also applied on measles, chicken pox, sprains and burns	Insufficient
Zihngal	<i>Stereospermum tetragonum</i>	Wild	Wood is used for house construction, furniture, tool handles, firewood etc. leaves are lopped for fodder. Bark and young leaves are used as remedy for fever, stomach-ache etc. roots and flowers are also used medicinally.	Abundant

**Format 20 : Aquatic Biodiversity :**

1	2	3	4	5	6	
Local Name	Scientific Name	Variety	Features	Habitat	Local Status	
					Past	Present
Chakai	<i>Potamonautes</i> sp	Local	-	Rivers and Streams	Abundant	Abundant
Chengkawl	<i>Bithynia tentaculata</i>	Local	-	Rivers and Streams	Abundant	Abundant
Dawntial	<i>Acanthocobitis botia</i>	Local	-	Rivers and Streams	Abundant	Abundant
Dawntial	<i>Nemacheilus savona</i>	Local	-	Rivers and Streams	Abundant	Abundant
Dawntial	<i>Nemacheilus scaturigina</i>	Local	-	Rivers and Streams	Abundant	Abundant
Dawntial	<i>Schistura</i> sp/ <i>Acanthocobitis botia</i>	Local	-	Rivers and Streams	Abundant	Abundant
Kaikuang	<i>Macrobrachium rosenbergii</i>	Local	-	Rivers and Streams	Abundant	Abundant
Lengphar	<i>Barilius barila</i>	Local	-	Rivers and Streams	Abundant	Abundant
Nghachik	<i>Lepidocephalichthys guntea</i>	Local	-	Rivers and Streams	Abundant	Abundant
Nghadawl	<i>Devario devario</i> and <i>Devario aequipinnatus</i>	Local	-	Rivers and Streams	Abundant	Abundant
Nghafunglawr	<i>Xenentodon cancila</i>	Local	-	Rivers and Streams	Abundant	Abundant
Nghafunglawr	<i>Dermogenys pusilla</i>	Local	-	Rivers and Streams	Abundant	Abundant
Nghahrah	<i>Neolissochilus hexagonolepis</i>	Local	-	Rivers and Streams	Abundant	Abundant
Nghalerh	<i>Macrornathus</i> sp	Local	-	Rivers and Streams	Abundant	Abundant
Nghalim	<i>Garra manipurensis</i> and <i>Gara tyao</i>	Local	-	Rivers and Streams	Abundant	Abundant
Nghameidum	<i>Pethia</i> sp	Local	-	Rivers and Streams	Abundant	Abundant
Ngharul	<i>Anguilla bengalensis</i>	Local	-	Rivers and Streams	Abundant	Abundant
Nghavawk	<i>Channa gachua</i>	Local	-	Rivers and Streams	Abundant	Abundant
Nghazawngek	<i>Garra lissorhynchus</i>	Local	-	Rivers and Streams	Abundant	Abundant
Sarba	<i>Glyptothorax</i> sp	Local	-	Rivers and Streams	Abundant	Abundant
Satel	<i>Melanocheilus tricarinata</i>	Local	-	Rivers and Streams	Abundant	Abundant
Tuikip	<i>Oyster</i>	Local	-	Rivers and Streams	Abundant	Abundant
Uchang	<i>Euphlyctis cyanophlyctis</i>	Local	-	Rivers and Streams	Abundant	Abundant
UChang (Chung U)	<i>Uperodon systoma</i>	Local	-	Rivers and Streams	Abundant	Abundant
Utawk	<i>Bufo stomaticus</i>	Local	-	Rivers and Streams	Abundant	Abundant

7	8	9	10
Uses	Associated TK	Other details	Community/Knowledge Holder
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo

Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo
Own use, edible	-	-	Mizo

**Format 21 : Wild Aquatic Plant Species of Importance - NIL**

**Format 22 : Wild Plants of Medicinal Importance**

1 Plant (tree, shrub, herb)	2 Local Name	3 Scientific Name	4 Variety	5 Landscape /Habitat	6 Local Status	
					Past	Present
Herb	Aieng	<i>Curcuma longa</i>	Local	Wild	Abundant	Abundant
Herb	Ailaidum	<i>Curcuma caesia</i>	Local	Wild	Insufficient	Insufficient
Herb	Anhling	<i>Solanum nigrum</i>	Local	Wild	Abundant	Abundant
Climber	Ar-a fanghma	<i>Cyclanthera pedata</i>	Local	Wild	Abundant	Abundant
Tree	Archangkawm	<i>Oroxylum indicum</i>	Local	Wild	Abundant	Abundant
Succulent	Awle lei	<i>Aloe vera</i>	Local	Wild	Insufficient	Insufficient
Fern	Awmvel	<i>Platyserium wallichii</i>	Local	Wild	Insufficient	Insufficient
Climber	Bachhim	<i>Dioscorea alata</i>	Local	Wild	Insufficient	Insufficient
Herb	Bahkhawr	<i>Eryngium foetidum</i>	Local	Wild	Abundant	Abundant
Herb	Bakkhate	<i>Glinus oppositifolius</i>	Local	Wild	Insufficient	Insufficient
Sub-shrub	Buarze	<i>Blumea lanceolaria</i>	Local	Wild	Abundant	Abundant
Shrub	Builukham Pa/Nu	<i>Osbeckia crinita/chinensis</i>	Local	Wild	Abundant	Abundant
Shrub	Chawng	<i>Euphorbia royleana</i>	Local	Wild	Insufficient	Insufficient
Tree	Chhawntual	<i>Aporosa octandra</i>	Local	Wild	Abundant	Abundant
Herb	Choak-a thi	<i>Lobelia angulata</i>	Local	Wild	Abundant	Abundant
Tree	Fartuah	<i>Erythrina stricta</i>	Local	Wild	Abundant	Abundant
Grass	Fu	<i>Saccharum officinarum</i>	Local	Wild	Insufficient	Insufficient
Climber	Hlozak/Hlonuar	<i>Mimosa pudica</i>	Local	Wild	Abundant	Abundant
Tree	Hnahkiah	<i>Callicarpa arborea</i>	Local	Wild	Abundant	Abundant
Climber	Japanhlo	<i>Mikania micrantha</i>	Local	Wild	Abundant	Abundant
Tree	Kaihrawl	<i>Dillenia pentagyna</i>	Local	Wild	Abundant	Abundant
Tree	Kawhtebel	<i>Trevesia palmata</i>	Local	Wild	Abundant	Abundant



Shrub	Kawldai	<i>Justicia adhatoda</i>	Local	Wild	Insufficient	Insufficient
Herb	Kelba-an	<i>Plantago major</i>	Local	Wild	Insufficient	Insufficient
Climber	Kelhnamtur	<i>Hedyotis scandens</i>	Local	Wild	Abundant	Abundant
Tree	Khawmhma	<i>Rhus chinensis</i>	Local	Wild	Abundant	Abundant
Herb	Lambak	<i>Centella asiatica</i>	Local	Wild	Abundant	Abundant
Climber	Maipawl	<i>Benincasa hispida</i>	Local	Wild	Abundant	Abundant
Herb	Mitthi Sunhlu	<i>Phyllanthus urinaria</i>	Local	Wild	Abundant	Abundant
Tree	Neem	<i>Azadirachta indica</i>	Local	Wild	Insufficient	Rare
Tree	Pasaltakaza	<i>Helicia robusta</i>	Local	Wild	Insufficient	Insufficient
Shrub	Pawhrual	<i>Maesa andamanica</i>	Local	Wild	Insufficient	Insufficient
Shrub	Pawhrual	<i>Sarcococca pruniformis</i>	Local	Wild	Insufficient	Insufficient
Shrub	Pawhrual (Mitthi pal)	<i>Justicia gendarussa</i>	Local	Wild	Insufficient	Insufficient
Undershrub	Perhpawng chaw	<i>Scoparia dulcis</i>	Local	Wild	Insufficient	Insufficient
Shrub	Phuihnam	<i>Clerodendrum colebrookianum</i>	Local	Wild	Abundant	Abundant
Climber	Sarzuk	<i>Elaeagnus sp</i>	Local	Wild	Insufficient	Insufficient
Herb	Sawhthing	<i>Zingiber officinale</i>	Local	Wild	Abundant	Abundant
Herb	Sekhupthur	<i>Begonia sp.</i>	Local	Wild	Abundant	Abundant
Herb	Sumbul	<i>Cheilocostus speciosus</i>	Local	Wild	Abundant	Abundant
Shrub	Tawkpui	<i>Solanum torvum</i>	Local	Wild	Abundant	Abundant
Shrub	Tawkte	<i>Solanum anguivi</i>	Local	Wild	Abundant	Abundant
Herb	Thasuih	<i>Lindernia ruelliioides</i>	Local	Wild	Abundant	Abundant
Tree	Theihai	<i>Mangifera indica</i>	Local	Wild	Insufficient	Insufficient
Tree	Thingfanghma	<i>Carica papaya</i>	Local	Wild	Insufficient	Insufficient
Tree	Thingsia	<i>Castanopsis tribuloides</i>	Local	Wild	Abundant	Abundant
Shrub	Tlangsam	<i>Chromolaena odorata</i>	Local	Wild	Abundant	Abundant
Climber	Tluangngil	<i>Smilax glabra</i>	Local	Wild	Abundant	Abundant
Herb	Tumbu	<i>Musa sp.</i>	Local	Wild	Abundant	Abundant
Herb	Uithinthang	<i>Houttuynia cordata</i>	Local	Wild	Abundant	Abundant
Climber	Va ko	<i>Thunbergia alata</i>	Local	Wild	Abundant	Abundant
Shrub	Vakep	<i>Mussaenda roxburghii/Mussaenda glabra</i>	Local	Wild	Abundant	Abundant
Climber	Vawihuihhru	<i>Paederia foetida</i>	Local	Wild	Abundant	Abundant
Tree	Zihngal	<i>Stereospermum tetragonum/chelonoides</i>	Local	Wild	Abundant	Abundant
Climber	Zuanghnuang	<i>Byttneria grandifolia</i>	Local	Wild	Abundant	Abundant
Tree	Zairum	<i>Anogeissus acuminata</i>	Local	Wild	Insufficient	Insufficient

7 Associated TK	8 Uses (Usage)	9 Part used	10 Other details Market/ own use	11 Community/ Knowledge Holder
Juice of rhizome is used for stomach ulcer, jaundice, diarrhoea, dysentery, cholera, asthma, food poisoning, and also used as a tonic for blood purifier	Medicinal	Rhizome	Own use	Mizo
Rhizome is used for stomach ache, diarrhoea, dysentery, jaundice, asthma, measles, food allergy or food poisoning	Medicinal	Rhizome	Own use	Mizo

Leaves are boiled in water and taken against urinary problems and kidney stones. Juice of green berries is applied to boils, ringworm etc	Medicinal	Leaves, berries	Own use	Mizo
Fruit is rich in antioxidant and used in medicine	Medicinal	Fruit	Own use	Mizo
Decoction of root & bark is used in fevers, colic, stomach ulcer, indigestion, dysentery, diarrhoea etc. Poultice of the bark is applied to rheumatism, sprains, inflammations and skin diseases. Decoction of leaves is used in flatulence, ulcers, etc. decoction of fruit is used to treat diseases of liver, hepatitis etc	Medicinal	Leaves, fruit, bark	Own use	Mizo
Leaf pulp is used for liver complaints, spleen enlargement, jaundice, asthma, kidney stones, ulcers, fresh cuts and wounds, burns, skin diseases.	Medicinal	Leaf pulp	Own use	Mizo
Juice of leaves is applied to herpes eruptions	Medicinal	Leaves	Own use	Mizo
Tubers and Bulbil are use as vegetable and also used to treat cancer	Medicinal	Tuber, Bulbil	Own use	Mizo
Leaves are used for flavouring curry. They are used for expulsion of threadworms from the body, as a remedy for food poisoning. Roots and leaves are boiled for treating malarial fever, diabetes, pneumonia, constipation	Medicinal	Leaves, roots	Own use	Mizo
Whole Plant is medicinal	Medicinal	Leaves	Own use	Mizo
Decoction of leaves used in ulcer, asthma, sores, dandruff etc	Medicinal	Leaves	Own use	Mizo
Decoction of roots is used in diarrhoea, dysentery, hepatitis etc, leaves for toothache	Medicinal	Root & leaves	Own use	Mizo
Pith of this shrub and unripe fruit of papaya are cooked with chicken and water is taken against diseases of liver, chronic fever. Milky juice is used externally for ringworm, rheumatism, sciatica, boils, warts etc	Medicinal	Shrub, milky juice	Own use	Mizo
Bark and leaves decoction used in stomach ulcer, diarrhoea and dysentery.	Medicinal	Bark, Leaves	Own use	Mizo
Juice of crushed leaves & fruits are used against diarrhoea, sore throat, stomach ulcer, tonsillitis and toothache	Medicinal	Leaves & Fruits	Own use	Mizo
Decoction of the bark is used for stomach ulcer and kidney trouble. Powder of the bark is used in fever, asthma, biliousness, rheumatism, itch, burning sensation, leprosy and epilepsy.	Medicinal	Bark	Own use	Mizo
Juice of the stem is used as a remedy for jaundice, purifies blood, good for lungs, diuretic etc	Medicinal	Stem juice	Own use	Mizo
Roots decoction used in piles and jaundice, diseases of liver and kidney etc	Medicinal	Roots	Own use	Mizo
Decoction of bark and leaves used for diabetes, cholera, internal bleeding, stomach ulcer etc. Leaves are used for fermenting cooked soya bean ( <i>Bekang</i> ), famous mizo dish.	Medicinal	Bark & Leaves	Own use	Mizo
Leaf juice applied on fresh wounds, stomach pain & ulcer	Medicinal	Leaves	Own use	Mizo
Decoction of bark, leaves is used for curing gastric trouble, asthma, dysentery, cancer etc	Medicinal	Bark, leaves	Own use	Mizo
Roots and leaves are used to treat stomachache	Medicinal	Root, leaves	Own use	Mizo
Decoction of leaves is used for dysentery, jaundice, malarial fever, asthma, bronchitis, and juice of the crushed leaves is also applied to fresh cuts	Medicinal	Leaves	Own use	Mizo
The leaves are eaten raw in salad or cooked as a pot herb. The plant is very rich in vitamin B11 and Riboflavin. Decoction of the whole plant is used in malarial fever, diabetes and tuberculosis. Warm water of cooked leaves is retained in mouth sore and tooth-ache. Juice of the leaves is externally used for wounds, boils, chronic ulcers, cuts, otitis, sprains, stings, swellings etc. leaves are crushed with fruits of <i>Solanum anguivi</i> and applied to pimples and small boils on the face. Poultice of leaves is also bound to cuts to draw out thorns and splinters.	Medicinal	Whole plant	Own use	Mizo
Decoction of roots/leaves is medicinal. The plant is also used as fish poison	Medicinal	Roots & leaves	Own use	Mizo
Decoction of fruit & Leaves used in various diseases	Medicinal	Leaves & fruits	Own use	Mizo
Plant is used in diabetes, jaundice, pile, dysentery, diarrhoea, hypertension etc	Medicinal	Whole plant	Own use	Mizo
Juice of fruit is used for diarrhoea, cholera, diabetes, vomiting, kidney problems	Medicinal	Fruit & Leaves	Own use	Mizo

Roots and leaves are used in medicine	Medicinal	Roots and leaves	Own use	Mizo
Muga silkworm feeds on the leaves. Roots, bark and leaves are used in medicine	Medicinal	Root, bark, leaves	Own use	Mizo
Roots are used in colic, vomiting, flatulence. Fruits used in asthma, cough, diarrhoea, fever, blood purifier, skin diseases etc	Medicinal	Roots & fruits	Own use	Mizo
Decoction of Bark & leaves used in stomach ulcer, indigestion, womb troubles etc	Medicinal	Bark & Leaves	Own use	Mizo
Juice of the pounded leaves is used as fomentation for sprains. Cramps and rheumatism. Decoction of the leaves is also taken for pains in muscles and tissues.	Medicinal	Leaves	Own use	Mizo
Juice of the crushed leaves is externally used for sprains and cramps. Decoction of the leaves is used against tonsillitis	Medicinal	Leaves	Own use	Mizo
Juice of the pounded leaves, stem and roots are used in diabetes, stomach troubles, nausea, diarrhea, dysentery, toothache and also removal of stones in kidney. Juice of the leaves is also useful as external applications for snake bite, sores, burns and cuts.	Medicinal	Leaves, stem, Roots	Own use	Mizo
Leaf juice used in High blood pressure	Medicinal	Leaves	Own use	Mizo
Decoction of roots and leaves is used for treating menstrual and urinary problems	Medicinal	Roots & leaves	Own use	Mizo
Rhizomes are used as spice and condiment, taken as a cure for food poisoning. Juice of pounded rhizome is given to women in case of sufficient supply of milk for their children and also dropped into the ear when attacked by ticks.	Medicinal	Rhizome	Own use	Mizo
Stem and leaves are eaten against diarrhoea and dysentery, juice of the stem or stalk is also applied to rash or sores etc	Medicinal	Leaves, stem	Own use	Mizo
Juice of crushed roots used in diseases of kidney, fever, jaundice, bronchitis etc	Medicinal	Roots	Own use	Mizo
-do-	Medicinal	Fruit	Own use	Mizo
Unripe fruit are eaten as vegetable. Roots and fruit are used in high blood pressure, asthma, dysuria, fever, colic. Crushed fruit is used in burns, boils etc	Medicinal	Fruit	Own use	Mizo
Whole plant is used as poultice for cramps, rheumatism, sciatica, wounds etc	Medicinal	Whole plant	Own use	Mizo
Young leaves are cooked and juice is eaten for food poisoning, diarrhoea, dysentery etc	Medicinal	Leaves	Own use	Mizo
Fruit is edible and used for constipation, stomach troubles, juice of boiled leaves is used in treating stomach ulcer, cancer and other stomach related problems	Medicinal	Leaves, fruit	Own use	Mizo
Juice of bark and stem is used for infection, wounds and cuts etc	Medicinal	Bark, stem	Own use	Mizo
Juice of the leaves applied to fresh cuts	Medicinal	Leaves	Own use	Mizo
Pounded tuberous roots are used as rheumatism, stomach ache and diarrhoea. Decoction of leaves is also taken for curing tonsillitis.	Medicinal	Leaves, Roots	Own use	Mizo
Plaintain is cooked with water and water is drink for treating deficiency of white blood	Medicinal	Buds	Own use	Mizo
Whole plant is used in medicine, used for treating cancer, liver problems etc	Medicinal	Whole plant	Own use	Mizo
Decoction of leaf used against diabetes, new cuts, stomach problem etc and also for treatment of cancer	Medicinal	Leaves	Own use	Mizo
Bark and leaves are useful in snake bites	Medicinal	Bark, Leaves	Own use	Mizo
The whole plant is regarded as a specific for rheumatic affection, in which it is administered both internally and externally. Juice of crushed leaves is used in diarrhoea and dysentery. Stem and leaves are also chewed for relief in tooth-ache	Medicinal	Whole plant	Own use	Mizo
Leaves are lopped for fodder. Bark and young leaves are used as remedy for fever, stomach pain etc	Medicinal	Leaves	Own use	Mizo
Stem juice used for mouth sore, stomach ulcer etc	Medicinal	Stem	Own use	Mizo
Water of cooked leaves is taken as remedy for high blood pressure. Decoction of bark is used in stomach troubles, fever, diarrhoea and also applied on measles, chicken pox, sprains and burns	Medicinal	Leaves, Bark	Own use	Mizo

**Format 23 : Wild relatives of Crops**

1	2	3	4	5		6
Local Name	Scientific Name	Associated crops	Landscape/ Habitat	Local status		Uses (Usage)
				Past	Present	
Aidu	<i>Amomum dealbatum</i>	All Jhum crops	Wild	Abundant	Abundant	Young shoots and buds are eaten cooked or fried as vegetables
Anhling	<i>Solanum americanum</i>	All Jhum crops	Wild	Abundant	Abundant	Leaves are eaten cooked as vegetables
Ankasate	<i>Acmella paniculata</i>	All Jhum crops	Wild	Abundant	Abundant	Leaves with stem are used as a vegetable
Ankhapui	<i>Marsdenia maculata</i>	All Jhum crops	Wild	Abundant	Abundant	Young stem and leaves are cooked eaten as vegetables
Ankhate	<i>Marsdenia formosana</i>	All Jhum crops	Wild	Abundant	Abundant	Tender leaves are eaten cooked as vegetable
Archangkawm	<i>Oroxylum indicum</i>	All Jhum crops	Wild	Abundant	Abundant	Decoction of root & bark is used in fevers, colic, stomach ulcer, indigestion, dysentery, diarrhoea etc. Poultice of the bark is applied to rheumatism, sprains, inflammations and skin diseases. Decoction of leaves is used in flatulence, ulcers, etc. decoction of fruit is used to treat diseases of liver, hepatitis etc
Baibing	<i>Alocasia fornicate</i>	All Jhum crops	Wild	Abundant	Abundant	Spadix and stem are eaten cooked as vegetables
Buarpui	<i>Trachycarpus martianus</i>	All Jhum crops	Wild	Abundant	Abundant	Flower bud is cooked eaten or fried as vegetable. Shoots are also eaten cooked as vegetable.
Chakawk	<i>Diplazium esculentum</i>	All Jhum crops	Wild	Abundant	Abundant	Tender leaves are eaten cooked as vegetable
Changpui	<i>Musa sikkimensis</i>	All Jhum crops	Wild	Abundant	Abundant	Flower buds are eaten cooked as vegetable , stems are used for pig's feed and leaves for cattle fodder
Changthir	<i>Musa balbisiana</i>	All Jhum crops	Wild	Abundant	Abundant	Flower buds are eaten cooked as vegetable , stems are used for pig's feed and leaves for cattle fodder
Chimchawk	<i>Aralia foliosa</i> var. <i>sikkimensis</i>	All Jhum crops	Wild	Abundant	Abundant	Tender leaves are eaten cooked as vegetables
Hmuipui	<i>Syzygium cumini</i>	All Jhum crops	Wild	Abundant	Abundant	Wood moderately hard is used for plywood, tool handles, posts, door frames, panels, firewood, gunstocks etc
Kawhtebel	<i>Trevesia palmata</i>	All Jhum crops	Wild	Abundant	Abundant	The shoots, flower buds and young fruits are eaten as vegetable
Khanghu	<i>Acacia pennata</i>	All Jhum crops	Wild	Abundant	Abundant	Tender leaves are eaten cooked as vegetable
Lairawk	<i>Musa ochracea</i>	All Jhum crops	Wild	Abundant	Abundant	Flower buds are eaten cooked as vegetable , stems are used for pig's feed and leaves for cattle fodder
Nauawimu	<i>Solena amplexicaulis</i>	All Jhum crops	Wild	Abundant	Abundant	Tender leaves are eaten cooked as vegetable
Phuihnam	<i>Clerodendrum colebrookianum</i>	All Jhum crops	Wild	Abundant	Abundant	Tender leaves are cooked eaten as vegetable, also used for fermenting cooked soyabean
Reng an	<i>Senna occidentalis</i>	All Jhum crops	Wild	Insufficient	Insufficient	Tender leaves are eaten cooked as vegetable
Saisu	<i>Ensete glaucum</i>	All Jhum crops	Wild	Insufficient	Insufficient	Succulent leaf sheaths, young flowers and bracts of spadix are eaten cooked as vegetable
Sapthei	<i>Passiflora edulis</i>	All Jhum crops	Wild	Insufficient	Insufficient	Leaves are cooked eaten as vegetable
Sihneh	<i>Eurya cerasifolia</i>	All Jhum crops	Wild	Abundant	Abundant	Tender leaves are eaten cooked with rice or meals
Tawkpui	<i>Solanum torvum</i>	All Jhum crops	Wild	Abundant	Abundant	Fruits are eaten cooked or fried as vegetables
Telhawng	<i>Amorphophallus</i> sp.	All Jhum crops	Wild	Abundant	Abundant	Corm and young leaf stalk and shoots are eaten cooked as

						veg.
Thangtung	<i>Arenga pinnata</i>	All Jhum crops	Wild	Insufficient	Insufficient	Young underdeveloped leaf shoot is used as vegetable
Thilte	<i>Calamus erectus</i>	All Jhum crops	Wild	Abundant	Abundant	Leaves are used for thatching
Thingthupui	<i>Calamus tenuis</i>	All Jhum crops	Wild	Abundant	Abundant	Under developed shoots are used as vegetable
Thurpui	<i>Tetragium lanceolatum</i>	All Jhum crops	Wild	Abundant	Abundant	Ripe fruits are edible
Tum	<i>Caryota urens</i>	All Jhum crops	Wild	Insufficient	Insufficient	Wood is employed for many domestic purposes
Tumbu	<i>Musa sp.</i>	All Jhum crops	Wild	Abundant	Abundant	Young bud is eaten cooked as vegetable
Uithinthang	<i>Houttuynia cordata</i>	All Jhum crops	Wild	Abundant	Abundant	Whole plant is eaten raw or cooked as vegetable

7	8	9	10
Part Used	Associated TK	Other details	Community/ knowledge holder
Shoots, buds	The plant is used for a cure of enlargement of liver and the stem for tying purposes. Leaves are used for fermenting cooked soya beans.	-	Mizo
Leaves, berries	Water of boiled leaves is taken against urinary problems and stones in kidney. Juice of green berries is applied to ringworm, boils etc.	-	Mizo
Stem, leaves	Flowers are chewed to relieve toothache and affections of the gums and throat	-	Mizo
Stem, leaves	As the taste of this plant is bitter, it is used to take for High Blood pressure and diabetes	-	Mizo
Leaves	-	-	Mizo
Roots, bark, leaves	Decoction of root & bark is used in fevers, colic, stomach ulcer, indigestion, dysentery, diarrhoea etc. Poultice of the bark is applied to rheumatism, sprains, inflammations and skin diseases. Decoction of leaves is used in flatulence, ulcers, etc. decoction of fruit is used to treat diseases of liver, hepatitis etc	-	Mizo
Spadix, stem	Juice of the plant is used externally for snake bite. Leaf is also used for catching land leech from the body	-	Mizo
Flower bud, shoots	Flower bud is cooked eaten as vegetable and is also used for reducing high blood pressure	-	Mizo
Leaves	-	-	Mizo
Leaves, fruit	Young leaves are eaten as vegetable, but several changes of water is needed while cooking. Decoction of fruit is used against stomach-ache, dysentery	-	Mizo
Seeds	-	-	Mizo
Leaves	-	-	Mizo
Seed, leaves	Seed is used to treat diabetes, and bark for fever, jaundice, urinary problems etc. Tassar silkworm feed on its leaves	-	Mizo
Whole plant	Roots and leaves are used to treat stomachache, leaves are also used as fodder	-	Mizo
Leaves	-	-	Mizo
Fruit, shoots, leaves	Decoction of leaves is given to women after birth	-	Mizo
Leaves	Fruit is used as soap for washing clothes, fibrous fruit as brush for pots, plates etc. decoction of roots is recommended for treating malaria, diabetes and seeds as a purgative	-	Mizo
Leaves, Flowers	Decoction of leaves is used to reduce high blood pressure and decrease breast feeding mother's breast milk, also used to heal acute mastitis	-	Mizo
Leaves, flowers	-----	-	Mizo
Whole plant	-----	-	Mizo
Leaves, fruit	Ripe fruit is useful for jaundice and liver problems	-	Mizo
Leaves	Wood is used for firewood and charcoal	-	Mizo
Fruit	fruit is medicinal used to treat hypertension and diabetes	-	Mizo

Corm, young leaf, shoot	The corm with <i>Ching-al</i> (Lye) is boiled to remove irritants. So, the boiled corm is mixed with <i>Sa-um</i> (fermented pork fat), <i>Ching-al</i> (Lye) and Salt and then eaten as curry (Traditional Mizo Dish)	-	Mizo
Whole plant	Fibres are used for fiddle strings, traps etc. the down beneath the leaf stalks on the trunk is used for tinder and is known as ' <i>Meibu</i> '. Midrib of the leaflets is good for sweeping like a broom.	-	Mizo
Leaves, shoot	Shoots are eaten cooked as vegetables, fruits are also edible	-	Mizo
Shoot, leaves	It is used for making baskets, mats, furniture, chairs etc and fruit is edible	-	Mizo
Fruit, leaves	Leaves are eaten cooked as vegetable and also used for pig's feed	-	Mizo
Whole plant	Fibre is made into ropes, brushes, brooms, basket etc. terminal bud is eaten cooked as vegetable	-	Mizo
Bud, stem, leaves	Leaves are used for feasts instead of rice plates. Stems are used for pig feed. Leaves are also used for cattle fodder	-	Mizo
Whole plant	Whole plant is used in medicine, used for treating cancer etc	-	Mizo

#### Format 24 : Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial/ Non commercial uses	Associated TK	Other details	Community/ Knowledge Holder
Ar-tukkhuan	<i>Mirabilis jalapa</i>	Local	Home garden	Non commercial	-	-	Mizo
Christmas par	<i>Poinsettia pulcherrima</i>	Local	Home garden	Non commercial	-	-	Mizo
Chuailopar	<i>Gomphrena globosa</i>	Local	Home garden	Non commercial	-	-	Mizo
Di par	<i>Gladiolus dalenii/natalensis</i>	Local	Home garden	Non commercial	-	-	Mizo
Dingdi	<i>Asclepias curassavica</i>						
Fartuah	<i>Erythrina stricta</i>	Local	Home garden	Non commercial	-	-	Mizo
Hling lukhum	<i>Euphorbia milii</i>	Local	Home garden	Non commercial	-	-	Mizo
Kumtluang	<i>Catharanthus roseus</i>	Local	Home garden	Non commercial	-	-	Mizo
Kungpuimuthi	<i>Canna indica</i>	Local	Home garden	Non commercial	-	-	Mizo
Midum pangpar	<i>Hibiscus rosa-sinensis</i>	Local	Home garden	Non commercial	-	-	Mizo
Rose par	<i>Rosa indica</i>	Local	Home garden	Non commercial	-	-	Mizo
Vaube	<i>Bauhinia variegata</i>	Local	Home garden	Non commercial	-	-	Mizo
Zamzo	<i>Celosia argentea</i>	Local	Home garden	Non commercial	-	-	Mizo
Zan rimtui	<i>Cestrum nocturnum</i>	Local	Home garden	Non commercial	-	-	Mizo

#### Format 25 : Fumigate / Chewing Plants

1	2	3	4	5	6		7
Plant (Herb, shrub, tree)	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (Usage)
					Past	Present	
Herb	Ankasa	<i>Acmella oleracea</i>	Local	Wild	Abundant	Abundant	Leaves and flowers are eaten cooked as vegetable
Herb	Ankasate	<i>Acmella paniculata</i>	Local	Wild	Abundant	Abundant	Leaves and flowers are eaten cooked as vegetable
Climber	Hnahthak	<i>Piper diffusum</i>	Local	Wild	Abundant	Abundant	Fruit is used as spice. Leaves are used for catching fish.
Climber	Khangpawl	<i>Acacia pruinescens</i>	Local	Wild	Abundant	Abundant	Tender leaves are acid and eaten as vegetable
Climber	Khangsen	<i>Acacia megaladena</i>	Local	Wild	Abundant	Abundant	-
Tree	Khawkerh	<i>Juglans regia</i>	Local	Wild	Insufficient	Insufficient	Leaves are used for cattle fodder

Shrub	Ngaihhih	<i>Linostoma decandrum</i>	Local	Wild	Abundant	Abundant	-
Climber	Ruchek	<i>Endosamara racemosa</i>	Local	Wild	Abundant	Abundant	Roots are used for poisoning fish
Climbing shrub	Rulei	<i>Millettia pachycarpa</i>	Local	Wild	Abundant	Abundant	Roots and Pods are used to poison fish
Climber	Tling	<i>Embelia vestita</i>	Local	Wild	Abundant	Abundant	Decoction of leaves is used for chicken pox, itching and other skin diseases; leaves are eaten cooked with fish.

8	9	10	11
Part used *	Associated TK	Other details (mode of use)	Community Knowledge Holder
Leaves, flowers	Plant is used for poisoning fish	-	Mizo
Leaves, flowers	Plant is used for poisoning fish	-	Mizo
Fruit & Leaves	-	-	Mizo
Leaves, whole plant	Plant is prescribed for asthma, bronchitis and pneumonia	Leaves are also used in scabies and snake bites	Mizo
Bark	Bark is used as fish poison and medicine	-	Mizo
Leaves	Young leaves are used to intoxicate fish	-	Mizo
Roots	Roots are used for poisoning fish	Roots are boiled in water and used for dressing scabies	Mizo
Roots	-	-	Mizo
Roots & Pods	-	-	Mizo
Leaves	-	Leaves of this plant boiled with hibiscus leaves and water is taken to cure hiccup and difficult urination	Mizo

#### Format 26 : Timber Plants

1	2	3	4		5
Local Name	Scientific Name	Habitat	Local Status		Other uses (if any)
			Past	Present	
Batling	<i>Wedlandia bundleioides</i>	Wild	Abundant	Abundant	Wood is used for gunpowder, charcoal, firewood etc
Belphuar	<i>Trema orientalis</i>	Wild	Abundant	Abundant	Wood is used for gunpowder, charcoal, firewood etc
Berawchal	<i>Canarium bengalense</i>	Wild	Insufficient	Insufficient	Wood heartwood, reddish brown, used for firewood etc
Biruchuk	<i>Lithocarpus obscurus</i>	Wild	Abundant	Abundant	Wood very hard, used for building, fuelwood, charcoal etc
Bul	<i>Alseodaphne petiolaris</i>	Wild	Abundant	Abundant	Wood is used for building, furniture, firewood etc
Bulfek	<i>Phoebe lanceolata</i>	Wild	Abundant	Abundant	Heartwood used for firewood and leaves for cattle fodder
Bulpui	<i>Alseodaphne petiolaris</i>	Wild	Abundant	Abundant	Wood used for building, furniture, firewood etc
Bulthur	<i>Nyssa javanica</i>	Wild	Abundant	Abundant	Wood is grey, yellow, soft used for house building
Bung	<i>Ficus benghalensis</i>	Wild	Insufficient	Insufficient	Wood used for fuelwood, well curbs etc
Chalthei	<i>Pyrus pashia</i>	Wild	Abundant	Abundant	Wood reddish brown, hard used for making walking stick, combs, tobacco pipe and firewood. Leaves for fodder
Char	<i>Terminalia myriocarpa</i>	Wild	Abundant	Abundant	Wood used for furniture, house building, firewood etc
Chhawntual	<i>Aporosa octandra</i>	Wild	Abundant	Abundant	Wood used for firewood and charcoal etc
Fah	<i>Lithocarpus dealbatus</i>	Wild	Abundant	Abundant	Wood used for rice pestle, firewood and charcoal etc
Fartuah	<i>Erythrina variegata</i>	Wild	Abundant	Abundant	Wood is used for drums, toys etc and bark fibre for cordage
Haivahmim	<i>Mangifera indica</i>	Wild	Insufficient	Insufficient	Wood used for cheap furniture, house building, frames etc

Hmawng	<i>Ficus sp</i>	Wild	Abundant	Abundant	Wood used for fuel and charcoal etc
Hmuipui/Lenhmui	<i>Syzygium cumini</i>	Wild	Abundant	Abundant	Wood is moderately hard, used for plywood, furniture, tool handles, panels, posts and firewood etc
Hnahkhar	<i>Macaranga indica</i>	Wild	Abundant	Abundant	Wood used for firewood
Hnahpawte	<i>Litsea lancifolia</i>	Wild	Abundant	Abundant	Wood used for firewood
Hnahthap	<i>Colona floribunda</i>	Wild	Abundant	Abundant	Wood is used for making lockets of key chain and firewood
Hnum	<i>Engelhardtia spicata</i>	Wild	Abundant	Abundant	Wood used for house construction, tea boxes, packing etc
Hriang	<i>Betula alnoides</i>	Wild	Abundant	Abundant	Wood used for furniture, plywood, tool handles.
Hriangzau	<i>Betula cylindrostachya</i>	Wild	Abundant	Abundant	Wood red, hard, heavy used for building, furniture, firewood and charcoal
Kawihthuang	<i>Leucosceptrum canum</i>	Wild	Insufficient	Insufficient	Wood can be used as firewood
Khaupui	<i>Sterculia villosa</i>	Wild	Abundant	Abundant	Wood very soft is used for drums and paper pulp
Khawkherh	<i>Juglans regia</i>	Wild	Abundant	Abundant	Wood used for cabinet making, furniture, carving etc
Khiang	<i>Schima wallichii</i>	Wild	Abundant	Abundant	Wood durable is used in planking, building, plywood, firewood
Khuangthli	<i>Bischofia javanica</i>	Wild	Abundant	Abundant	Wood used for house building, furniture, firewood etc
Kumkhal /Umkhal	<i>Elaeocarpus tectorius</i>	Wild	Abundant	Abundant	Wood used for firewood
Muk	<i>Cordia fragrantissima</i>	Wild	Abundant	Abundant	Wood durable, used for gunstocks, posts and firewood etc
Nganbawm	<i>Acrocarpus fraxinifolius</i>	Wild	Abundant	Abundant	Wood used for furniture, motor bodies, planking, flooring etc
Ngiau	<i>Michelia champaca</i>	Wild	Insufficient	Insufficient	Wood hard and durable used in furniture, building, planking
Pang	<i>Bombax insigne</i>	Wild	Insufficient	Insufficient	Wood used for packing cases, matchboxes, splints
Phuanberh	<i>Macropanax undulatus</i>	Wild	Abundant	Abundant	Wood is soft and can be used for firewood
Phuanberhpui	<i>Ailanthus integrifolia spp</i>	Wild	Abundant	Abundant	Wood used for partition wall, plywood, packing cases etc
Ramlakhuih	<i>Pandanus odorifer</i>	Wild	Insufficient	Insufficient	Fruit is used for combing cotton yarn and seeds are edible
Saper	<i>Lindera nacusua</i>	Wild	Abundant	Abundant	Wood used for building construction
Saperbul	<i>Cinnamomum glaucescens</i>	Wild	Abundant	Abundant	Wood is durable, used for furniture, boat building, fuelwood
Sehawr	<i>Castanopsis indica</i>	Wild	Abundant	Abundant	Wood hard used for furniture, building, firewood etc
Sihneh	<i>Eurya japonica</i>	Wild	Abundant	Abundant	-
Taitaw	<i>Spondias pinnata</i>	Wild	Abundant	Abundant	Wood used for drums, firewood etc
Tei	<i>Toona ciliata</i>	Wild	Abundant	Insufficient	wood used for furniture, house building, ceiling, floors etc
Theikum	<i>Diospyros malabarica</i>	Wild	Abundant	Abundant	Wood used for building, firewood etc
Theipalingkawh	<i>Bruinsmia polysperma</i>	Wild	Insufficient	Insufficient	Sawn timber used for house construction
Theipui	<i>Ficus semicoradata</i>	Wild	Abundant	Abundant	Wood used for mortars, firewood etc
Thil	<i>Lithocarpus polystachyus</i>	Wild	Abundant	Abundant	Wood used for building, firewood etc
Thingkha	<i>Derris robusta</i>	Wild	Abundant	Abundant	Wood used for house posts, firewood and charcoal
Thingsaphu	<i>Dysoxylum mollissimum</i>	Wild	Insufficient	Rare	Wood red, durable used for house building, furniture, boats
Thingsia	<i>Castanopsis tribuloides</i>	Wild	Abundant	Abundant	Wood used for house posts, firewood, charcoal etc
Thingtheihmu	<i>Morus alba</i>	Wild	Insufficient	Insufficient	Wood used for house construction, furniture, tool handles etc
Thlanvawng	<i>Gmelina arborea</i>	Wild	Abundant	Abundant	Wood used for planking, furniture, house posts etc
Tiar	<i>Saurauia punduana</i>	Wild	Abundant	Abundant	Wood light, brown, soft used for firewood and charcoal
Tiarpui	<i>Saurauia napaulensis</i>	Wild	Abundant	Abundant	Wood, light pink, soft used for temporary building, firewood and charcoal and leaves for fodder
Vang	<i>Albizia chinensis</i>	Wild	Abundant	Abundant	Wood used for making drum, firewood and charcoal etc
Vaube	<i>Bauhinia variegata</i>	Wild	Abundant	Abundant	Wood is used for tool handles, firewood, charcoal etc. leaves are a good fodder. Decoction of bark/leaves is used in menstrual disorders, piles, diabetes, diarrhoea



					and dysentery
Vawmbal	<i>Drimycarpus racemosus</i>	Wild	Insufficient	Insufficient	Wood is used for building, boats, firewood etc
Zairum	<i>Anogeissus acuminata</i>	Wild	Insufficient	Insufficient	Wood used for house posts, tool handles, fuel and charcoal etc
Zihngghal	<i>Stereospermum chelonoides</i>	Wild	Abundant	Abundant	Wood used for house construction, cabinet making, furniture
Zuang	<i>Duabanga grandiflora</i>	Wild	Abundant	Abundant	Wood used for building, plywood, firewood etc

6	7	8
Associated TK	Other details	Community/ Knowledge Holder
	Wood pole is used for fencing post.	Mizo
Bark yields a strong fibre and leaves are lopped for cattle fodder	It is a light demanding tree, fast growing and short lived tree	Mizo
-	-	Mizo
-	-	Mizo
-	Ripe fruit is eaten by birds and animals	Mizo
-	It is a shade bearer and fast growing tree	Mizo
-	-	Mizo
-	Fruit is eaten by birds and wild animals	Mizo
Bark and aerial roots are used for making coarse ropes	Leaves are good for cattle fodder	Mizo
Leaves are used in medicine	-	Mizo
-	Leaves are good for fodder, it is a fast growing tree	Mizo
-	Leaves are lopped for cattle fodder	Mizo
-	-	Mizo
Tender pods are edible, seeds edible roasted or boiling, bark and leaves are also used in medicine	It is a fast growing tree and cultivated as ornamental and hedge plant	Mizo
Decoction of young leaves is used in diabetes, diarrhoea and ash of dried leaves is taken to stop hiccough	It prefers deep well drained loamy soil and it is a shade bearer	Mizo
Leaves and twigs are lopped for cattle fodder	Bark, fruit and leaves are used in medicine	Mizo
Seed is very useful for treating diabetes and the bark for fever, jaundice, urinary problems, sore throat, bronchitis, asthma, ulcers and chronic dysentery etc	Fruits are eaten by man, birds and wild animals	Mizo
-	-	Mizo
Root is medicinal for diarrhoea	-	Mizo
-	-	Mizo
Bark is medicinal and also used for poisoning fish. Leaves are lopped for fodder	It is a light demander	Mizo
-	The plant is said to be used as snake bite remedy. It can tolerate moderate shade and it is a moderate shade growing tree	Mizo
-	It is a fast growing tree	Mizo
-	-	Mizo
Seeds are eaten roasted or fried. Bark yields a strong fibre	Decoction of the bark is used in cholera, dysentery, diarrhoea and tonsillitis	Mizo
Rind of the unripe fruit and young leaves are used to intoxicate fish and nuts for tanning and dyeing	Leaves are used for cattle fodder, it is a light demander and moderate fast growing tree	Mizo
Powdered fruit is used in scorpion sting, bites of centipede, juice of the bark for chronic ulcer and fresh cuts. Leaves are lopped for fodder	Tender leaves are cooked eaten. It is moderate light demander and moderately fast growing tree	Mizo

Juice of young leaves is used for curing tonsillitis and sores	Bark, stem and leaves are also medicinal. Leaves are lopped for cattle fodder	Mizo
-	-	Mizo
Bark is used for constipation and leaves for toothache	-	Mizo
Leaves are lopped for cattle fodder	This tree is a quick growing and moderate light demander	Mizo
-	-	Mizo
Leaves are lopped for cattle fodder	-	Mizo
Tender leaves are cooked and eaten without its water as vegetables	Leaves are lopped for cattle fodder	Mizo
-	-	Mizo
Fibre obtained from the leaves is used for nets, sacks and brushes. Decoction of the roots is also used in diseases of kidney etc.	-	Mizo
Leaves are eaten cooked as vegetable	-	Mizo
-----	-----	Mizo
-----	-----	Mizo
Decoction of bark is used in treating diarrhoea, dysentery and rheumatism	Juice of crushed bark is also applied to fresh cuts	Mizo
Bark is useful in fever, diarrhoea, itching and flowers in menstrual disorders	Leaves are lopped for cattle fodder	Mizo
-	-	Mizo
Juice of fruits and leaves are applied on sharp pain caused by nettles or poisonous hairs of caterpillars	It is a fast growing tree	Mizo
-	-	Mizo
-	-	Mizo
Leaves are used as soap for washing 'Mizo Pawnpui' (Blanket)	It is a fast growing, good coppice and favoured for birds nesting. Bark can be used for poisoning fish, juice of crushed bark and leaves are used to tick bite.	Mizo
Decoction of bark is used as an effective remedy for diabetes and high blood pressure	Leaves are lopped for cattle fodder	Mizo
Bark is used internally for pain in the stomach	-	Mizo
Juice of the stem is recommended for mouth infection in children	--	Mizo
Silkworm fed on its leaves. Leaves are sometimes boiled with meats and eaten as curry. Root bark, leaves and fruits are also medicinal.	Young leaves and twigs are good for cattle fodder	Mizo
Flowers are eaten cooked as vegetables, leaves are lopped for cattle fodder	It is a light demander and fire resistant, fast growing tree	Mizo
-	-	Mizo
Bark is used as anaesthesia and antiseptic	-	Mizo
Bark used to poison fish. Leaves are lopped for cattle fodder	It is a moderate light demander and fast growing tree	Mizo
Leaves, tender fruits and flower buds are eaten as vegetable	It is a moderate light demander and wind firm tree	Mizo
Thick paste of the plant is applied on broken bone. Juice of the plant is also applied on sore of baby's navel	Plant is laxative and cooling used for cold, sinusitis and menstruation problems	Mizo
Decoction of the bark is used in stomach troubles, fever, diarrhea and also applied on measles, chicken pox, sprains and burns.	Leaves are cooked in water and water is taken as a remedy for high blood pressure	Mizo
Root, leaves and flowers are also used medicinally. Bark and young leaves are used as a remedy for fever, stomach ache etc	--	Mizo
Bark is bruised, boiled with soil impregnated with urine to produce a bluish dye	Fast growing tree	Mizo

**Format 27 : Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, Others)**

1	2	3	4	5	6
Animal type	Local Name	Scientific Name	Habitat	Description	Season when seen
Mammal	Awrrang	<i>Ratufa bicolor</i>	Forest	-	Not recorded
Mammal	Biang	<i>Belomys pearsonii</i>	Forest	-	-do-
Mammal	Chepa	<i>Tupaia bengaleri</i>	Forest	-	-do-
Mammal	Hleikapsen	<i>Callosciurus erythraeus</i>	Forest	-	-do-
Mammal	Hleimeipar	<i>Dremomys lokriah</i>	Forest	-	-do-
Mammal	Hleimualrang	<i>Tamiops maccllellandi</i>	Forest	-	-do-
Mammal	Keisen	<i>Catopuma temmincki</i>	Forest	-	-do-
Mammal	Kelral	<i>Neofelis nebulosa</i>	Forest	-	-do-
Mammal	Kuhpui	<i>Hystrix brachyura</i>	Forest	-	-do-
Mammal	Kuhsi	<i>Atherurus macrourus</i>	Forest	-	-do-
Mammal	Ngau	<i>Trachypithecus pileatus</i>	Forest	-	-do-
Mammal	Phai-uak (Sa uak)	-	Forest	-	-do-
Mammal	Phivaw	<i>Arctonyx collaris</i>	Forest	-	-do-
Mammal	Safia	<i>Martes flavigula</i>	Forest	-	-do-
Mammal	Sahmaitha	<i>Melogale moschata/personata</i>	Forest	-	-do-
Mammal	Sahram	<i>Aonyx cinerea</i>	Forest	-	-do-
Mammal	Sahuai	<i>Nyctiebus bengalensis</i>	Forest	-	-do-
Mammal	Sakhi	<i>Muntiacus vaginalis</i>	Forest	-	-do-
Mammal	Sanghal	<i>Sus scrofa</i>	Forest	-	-do-
Mammal	Sanghar	<i>Prionailurus bengalensis</i>	Forest	-	-do-
Mammal	Saphu	<i>Manis pentadactyla</i>	Forest	-	-do-
Mammal	Sarivathun	<i>Herpetes javanicus</i>	Forest	-	-do-
Mammal	Savawm	<i>Melursus ursinus</i>	Forest	-	-do-
Mammal	Saza	<i>Capricornis sumatraensis</i>	Forest	-	-do-
Mammal	Sazaw (Zawreng)	<i>Paradoxurus hermaphroditus</i>	Forest	-	-do-
Mammal	Sazuk	<i>Rusa unicolor</i>	Forest	-	-do-
Mammal	Sihal	<i>Canis aureus</i>	Forest	-	-do-
Mammal	Tlumpui	<i>Viverra zibetha</i>	Forest	-	-do-
Mammal	Vahluk	<i>Petaurista petaurista</i>	Forest	-	-do-
Mammal	Zawbuang	<i>Paguma larvata</i>	Forest	-	-do-
Mammal	Zawhang	<i>Arctogalidia trivirgata</i>	Forest	-	-do-
Mammal	Hauhuk	<i>Hoolock hoolock</i>	Forest	-	-do-
Mammal	Zawng mawt/hmaitai	<i>Stump-tailed Macaque</i>	Forest	-	-do-
Mammal	Zawng meisei/hmeltha	<i>Macaca fascicularis</i>	Forest	-	-do-
Mammal	Zuhrei	<i>Berylmys mackenziei</i>	Forest	-	-do-
Bird	Bawng	<i>Pericrocotus brevirostris</i>	Forest	-	-do-
Bird	Bullut	<i>Ducula badia</i>	Forest	-	-do-
Bird	Chhawlhing	<i>Chloropsis aurifrons</i>	Forest	-	-do-
Bird	Chhemhur	<i>Lanius sp.</i>	Forest	-	-do-
Bird	Chhimbuk	<i>Bubo bengalensis</i>	Forest	-	-do-

Bird	Chhuangtuar	<i>Upupa epops</i>	Forest	-	-do-
Bird	Chingpirinu	<i>Strix leptogrammica</i>	Forest	-	-do-
Bird	Chinrang	<i>Enicurus scouleri</i>	Forest	-	-do-
Bird	Chip te	<i>Anthus hodgsoni</i>	Forest	-	-do-
Bird	Daikat	<i>Orthotomus sutorius</i>	Forest	-	-do-
Bird	Dawthiama arpa	<i>Aethopyga sp.</i>	Forest	-	-do-
Bird	Dawntliang	<i>Cissa chinensis</i>	Forest	-	-do-
Bird	Hrangkir	<i>Athene brama</i>	Forest	-	-do-
Bird	Irliak	<i>Coracina macei</i>	Forest	-	-do-
Bird	Kaikuangral	<i>Alcedo atthis</i>	Forest	-	-do-
Bird	Kawlit	<i>Hemixos flava</i>	Forest	-	-do-
Bird	Kireuh	<i>Arachnothera longirostra</i>	Forest	-	-do-
Bird	Koro	<i>Garrulax leucolophus</i>	Forest	-	-do-
Bird	Lailen	<i>Motacilla flava</i>	Forest	-	-do-
Bird	Lalruanga sehnawt	<i>Centropus sinensis</i>	Forest	-	-do-
Bird	Luangtubeuh	<i>Picumnus innominatus</i>	Forest	-	-do-
Bird	Lungdup	<i>Ictinaetus malayensis</i>	Forest	-	-do-
Bird	Mitval	<i>Zosterops palbebroa</i>	Forest	-	-do-
Bird	Mu arla	<i>Lophotriorchis kienerii</i>	Forest	-	-do-
Bird	Mute	<i>Accipiter sp.</i>	Forest	-	-do-
Bird	Mute ngaldang	<i>Circus macrourus</i>	Forest	-	-do-
Bird	Muvanlai	<i>Spilornis cheela</i>	Forest	-	-do-
Bird	Ramar	<i>Gallus gallus</i>	Forest	-	-do-
Bird	Ramparva	<i>Chalcophaps indica</i>	Forest	-	-do-
Bird	Setawt	<i>Pycnonotus flavescens</i>	Forest	-	-do-
Bird	Tawktawk awrsen	<i>Ficedula strophliata</i>	Forest	-	-do-
Bird	Tawllawt	<i>Megalaima virens</i>	Forest	-	-do-
Bird	Tek tek	<i>Dicaeum minullum</i>	Forest	-	-do-
Bird	Thangfen	<i>Myiophonus caeruleus</i>	Forest	-	-do-
Bird	Theh hek	<i>Prinia hodgsonii</i>	Forest	-	-do-
Bird	Thizil	<i>Psamismomus dalhousiae</i>	Forest	-	-do-
Bird	Thlanthla	<i>Dicrurus aeneus</i>	Forest	-	-do-
Bird	Thloh	<i>Blythipicus pyrrhotis</i>	Forest	-	-do-
Bird	Tlaiberh	<i>Pycnonotus cafer</i>	Forest	-	-do-
Bird	Tukkhumvilik	<i>Pycnonotus melanicterus</i>	Forest	-	-do-
Bird	Tuklo	<i>Megalaima asiatica</i>	Forest	-	-do-
Bird	Va in ronghak	<i>Monticola solitarius</i>	Forest	-	-do-
Bird	Vabak/Valambawk	<i>Caprimulgus macrurus</i>	Forest	-	-do-
Bird	Vacha	<i>Ardeola grayii</i>	Forest	-	-do-
Bird	Vadartle	<i>Irena puella</i>	Forest	-	-do-
Bird	Vadumdeleng	<i>Niltada sp.</i>	Forest	-	-do-
Bird	Vahai	<i>Anthracoeros albirostris</i>	Forest	-	-do-
Bird	Vahlah	<i>Bambusicola fytchii</i>	Forest	-	-do-

Bird	Vahmim	<i>Turnix suscitator</i>	Forest	-	-do-
Bird	Vahrit	<i>Lophura leucomelanos</i>	Forest	-	-do-
Bird	Vahui	<i>Treron sp.</i>	Forest	-	-do-
Bird	Vaki	<i>Psittacula krameri</i>	Forest	-	-do-
Bird	Valeisawt	<i>Pnoepyga albiventer</i>	Forest	-	-do-
Bird	Vamaitai	<i>Oriolus tenuirostris</i>	Forest	-	-do-
Bird	Vangek	-	Forest	-	-do-
Bird	Vapui	<i>Coracias benghalensis</i>	Forest	-	-do-
Bird	Varalhti	<i>Harpactes erythrocephalus</i>	Forest	-	-do-
Bird	Varihaw	<i>Polyplectron bicalcaratum</i>	Forest	-	-do-
Bird	Varung	<i>Arborophila sp.</i>	Forest	-	-do-
Bird	Vasuih	<i>Carpodacus erythrinus</i>	Forest	-	-do-
Bird	Vazar	<i>Garrulax sp.</i>	Forest	-	-do-
Bird	Vazun	<i>Phaenicophaeus tristis</i>	Forest & Human habitation		
Reptiles	Changpat rul	<i>Argyrophis diardii</i>			
Reptiles	Chawngkawr	<i>Naja kaouthia</i>			
Reptiles	Chawnglei	<i>Bungarus fasciatus</i>			
Reptiles	Chhawknghawl	<i>Typhlops diardii</i>			
Reptiles	Hlaidum	<i>Ptyas mucosa</i>	Forest & Human habitation		
Reptiles	Hlaivawm	<i>Ptyas mucosa</i>			
Reptiles	Khuavang rul	<i>Bungarus niger</i>			
Reptiles	Ruahlawm rul	<i>Rhabdops bicolor</i>	Forest	-	-do-
Reptiles	Rul hlai	<i>Ptyas korros, Coelognathus radiatus</i>	Forest & Human habitation		
Reptiles	Rul ngan	<i>Ophiophagus hannah</i>	Forest	-	-do-
Reptiles	Rul nghawngsen	<i>Rhabdophis subminiatus</i>	Forest		
Reptiles	Rul rial	<i>Boiga cyanea</i>	Forest & Human habitation		
Reptiles	Rul sakhi	<i>Boiga ochracea</i>	Forest	-	-do-
Reptiles	Rul thi hna	<i>Oreocryptophis porphyraceus</i>	Forest	-	-do-
Reptiles	Rulvai		Forest	-	-do-
Reptiles	Rul vutbuak		Forest	-	-do-
Reptiles	Rul mitdel		Forest	-	-do-
Reptiles	Rul vankai	<i>Dendrelaphis cyanochloris</i>	Forest	-	-do-
Reptiles	Rulmuk (Zo Rulpui)	<i>Ovophis monticola</i>	Forest	-	-do-
Reptiles	Rultuha	<i>Trimeresurus erythrurus/albolabris</i>	Forest	-	-do-
Reptiles	Saphai	<i>Python bivittatus</i>	Ponds and near water bodies		
Reptiles	Tui Rul	<i>Xenochropis piscator</i>	Forest		
Reptiles	Satel	<i>Melanochelys tricarinata</i>	Rivers, streams etc		
Reptiles	Tui satel	<i>Cyclemis gemeli</i>	Forest	-	-do-
Reptiles	Tangkawng /Tangkeu	<i>Varanus bengalensis</i>	Forest, open areas		-do-
Reptiles	Laiking	<i>Christidorsata otai</i>	Forest & Human habitation	-	-do-
Reptiles	Awk-e	<i>Gecko gekko</i>	Human habitation, House	-	-do-
Reptiles	Bang daidep	<i>Hemidactylus frenatus</i>	Rivers, Ponds etc	-	-do-
Amphibians	Utum	<i>Kaloula assamensis</i>	Rivers, Ponds etc	-	-do-

Amphibians	Dawngthlek	<i>Chiromantus vittatus</i>	Rivers Ponds etc	-	-do-
Amphibians	U chhhawlhiring	<i>Hyla annectans</i>	Rivers Ponds etc	-	-do-
Amphibians	U berek	<i>Occidozyga</i> sp	Rivers Ponds etc	-	-do-
Amphibians	U Chang	<i>Euphlyctis cyanophlyctis</i>	Rivers Ponds etc	-	-do-
Amphibians	U Sai	<i>Hoplobatrachus crassus</i>	Rivers Ponds etc	-	-do-
Amphibians	Utawkpahar	<i>Bufo stomaticus</i>	Rivers Ponds etc	-	-do-
Insects	Khauphar	-	Rivers Ponds etc	-	-do-
Insects	Perhpawng	-	Rivers Ponds etc	-	-do-
Insects	Khauchher	-	Rivers Ponds etc	-	-do-
Insects	Chep chep	-	Rivers Ponds etc	-	-do-
Insects	Zawlzawng	-	Rivers Ponds etc	-	-do-
Insects	Khaukhuap	-	Rivers Ponds etc	-	-do-
Insects	Uleuh	-	Forest & Human habitation	-	-do-
Insects	Khawibel	<i>Vespa velutina</i>	Forest & Human habitation	-	-do-
Insects	Khawi sanghar	<i>Parapolybia</i> sp.	Forest, open areas		-do-
Insects	Khawifung	<i>Apis florea</i>	Forest, open areas		-do-
Insects	Khawi chhunmu	<i>Provespa</i> sp.	Forest, open areas		-do-
Insects	Khawikeilu	-	Forest & Human habitation		-do-
Insects	Khawivah	<i>Apis cerana indica</i>	Forest, open areas		-do-
Insects	Khawichhinkhup	<i>Polistes tenebricosus</i>	Forest, open areas		-do-
Insects	Nghalfek	<i>Vespa tropica</i>	Forest, open areas		-do-
Insects	Khawi in ting	-	Forest, open areas		-do-
Insects	Khawidang	-	Forest, open areas		-do-
Insects	Khawipui	<i>Apis dorsata</i>	Forest, open areas		-do-
Insects	Rengchal	<i>Psaltoda</i> cf. <i>plaga</i>	Forest, open areas		-do-
Insects	Dawlrem	-	Forest, open areas		-do-
Insects	Thereng	-	Forest, open areas		-do-
Insects	Losul thereng	<i>Magicicada</i> sp.	Forest, open areas		-do-
Insects	Nipui thereng	-	Forest, open areas		-do-
Insects	Ngirtling	-	Forest, open areas		-do-
Insects	Uifawm	-	Forest, open areas		-do-
Insects	Tekral	-	Forest, open areas		-do-
Insects	Khuang chiri/ Khuangbai	<i>Gryllus</i> sp.	Forest, open areas		-do-
Insects	Tawh ek	-	Forest, open areas		-do-
Insects	Taivang	<i>Tetraponera</i> sp.	Forest, open areas		-do-
Insects	Zan taivang	<i>Tetraponera</i> sp.	Forest, open areas		-do-
Insects	Hnahkiah taivang	<i>Tetraponera</i> sp.	Forest, open areas		-do-
Insects	Mawnger	<i>Crematogaster</i> sp.	Forest, open areas		-do-
Insects	Khuangruang	-	Forest, open areas		-do-
Insects	Nauchawthing bawm	<i>Drosophila melanogaster</i>	Forest, open areas		-do-

7		8	9	10	11	12
Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
Past	Present					
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Insufficient	Rare	-	-	By Gun or trap	-	Mizo
Insufficient	Rare	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Insufficient	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
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Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
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Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Decreasing	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo
Abundant	Abundant	-	-	By Gun or trap	-	Mizo











## BIODIVERSITY OF KHUANGPHAH



*Brassica rapa*



*Lablab purpureus*



*Colocasia esculenta*



*Solanum lycopersicum*



*Trevesia palmata*



*Cucurbita maxima*



*Zea mays*



*Perilla frutescens*



*Sechium edule*





*Citrus limon*



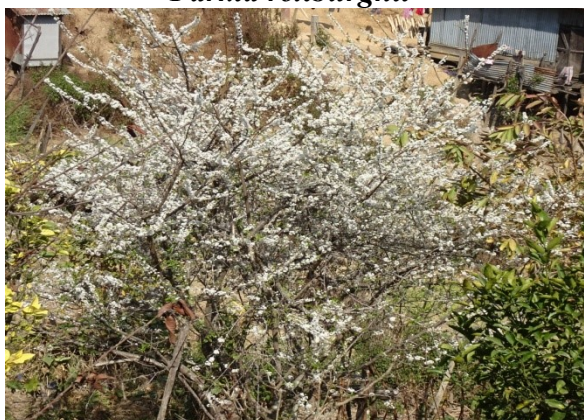
*Parkia roxburghii*



*Mangifera indica*



*Elaeagnus pyriformis*



*Prunus domestica*



*Musa paradisiaca*



*Passiflora edulis*



*Citrus maximus*



*Psidium guajava*





*Asclepias curassavica*



*Calliandra haematocephala*



*Bauhinia variegata*



*Bougainvillea spectabilis*



*Canna indica*



*Geranium sp.*



*Catharanthus roseus*



*Impatiens balsamina*



*Hibiscus rosa sinensis*





*Artocarpus heterophylla*



*Trevesia palmata*



*Ligustrum robustum (Chawmzil)*



*Dysoxylum excelsum (Thingthupui)*



*Prunus cerasoides (Tlaizawng)*



*Thuja occidentalis*



*Ovis aries*



*Canis familiaris*



*Felis catus*





*Gallus domesticus*



*Bos taurus*



*Artiodactyla suidae*



*Allium chinense*



*Colocasia sp.*



*Phyllanthus emblica*





**Meeting of Dr. Neihpuia and BMC members - discussing topics on Biodiversity conservation, provisions of BD Act 2002, BD Rules 2004, ABS, TK and roles and responsibilities of BMC members during Updation and field validation of PBR at Khuangphah.**



**Derrick from SBB Mizoram and BMC members of Khuangphah - Collection of necessary data and information for PBR during Updation and Field Validation of PBR at Khuangphah Village**





**Biodiversity Management Committee Members Khuangphah**





**Khuangphah Village**