

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti:** Bhatyari

**Taluk:** Ramnagar

**District:** Udhampur

**State:** J&K UT

**Geographical Area of the Panchayat Samiti:** 923 Hac.

**Population under the Panchayat Samiti:** Total 2800

**Male:** 1600

**Female:** 1200

**Habitat and Topography:** Hilly

**Climate (Rainfall, Temperature and weather patterns)** Rainfall (Moderate)

**Land Use (Nine fold classification available with village records)** Agriculture land =284.25 Hac. Fallow Land = 315.2 Hac., Forest 284.10 Hac., Pastures= 39.4 Hac.

**Date, Month and Year of PBR Preparation:** 21-08-2020

**Management Regime:** Reserve Forest (RF)/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM) RF

**Details of Biodiversity Management Committee (BMC) 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)**

**1)Name of the Chairperson:** Rita Devi

**Age:** 35 yrs

**Gender:** Female

**Address:** Ward No.7, Bhatyari

**Area of specialization:**

**2) Name:** Kewal Kumar

**Age:** 40 yrs

**Gender:** Male

**Address:** Bhatyari

**Area of specialization:**

**3)Name:** Sandhya Devi

**Age:** 36 yrs

**Gender:** Female

**Address:** Bhatyari

**Area of specialization:**

**4)Name:** Raj Kumar

**Age:** 34 yrs

**Gender:** Male

**Address:** Bhatyari

**Area of specialization:**

**5)Name:** Balbir Singh

**Age:** 41 yrs

**Gender:** Male

**Address:** Bhatyari

**Area of specialization:**

**6)Name:**

**Age:**

**Gender:**

**Address:**

**Area of specialization:**

**7)Name:**

**Age:**

**Gender:**

**Address:**

**Area of specialization:**

List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources within the jurisdiction of the village

1) Name :

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

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

**1) Name of the Chairperson:**

**Age:**

**Gender:**

**Address:**

**Area of specialization:**

**2) Name of the Chairperson:**

**Age:**

**Gender:**

**Address:**

**Area of specialization:**

**3) Name of the Chairperson:**

**Age:**

**Gender:**

**Address:**

**Area of specialization:**

**4) Name of the Chairperson:**

**Age:**

**Gender:**

**Address:**

**Area of specialization:**

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

**1) Contact Person:**

**Name and Address:**

**2) Contact Person:**

**Name and Address:**

**3) Contact Person:**

**Name and Address:**

**4) Contact Person:**

**Name and Address:**

**You may add names of more institutions/NGO/Individuals etc, if necessary**

**Annexure 5****Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefit derived and the mode of their sharing**

<b>S.No</b>	<b>Name and address of the Person/Institute/company others</b>	<b>Local and Scientific Name of the biological material Accessed and quantity</b>	<b>Date and resolution of the BMC and endorsement by the Panchayat</b>	<b>Detail of collection fee imposed</b>	<b>Anticipated mode of sharing benefits or quantum of benefits shared</b>

*End of Part I*

**Part II**  
**PBR – Formats**  
**AGROBIODIVERSITY**

**Format 1: Crop Plants**

1	2	3	4	5	6	7		8	9	10	11	12	13	14
Crop	Scientific Name	Local Name	Variety	Landscape / Habitat	Approx. area shown (hectare)	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Rice	<i>Oryza sativa</i>		Veliyan	Lowland valleys		Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases		Food Fodder Roofing Fuel	Provides more energy	Suitable for “Valicha” cultivation		Kurichiya Kuruma W. Chetty
Maize	<i>Zea mays</i>	Muck	Improved Varieties only	Hilly	241.65	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Kharif	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department
Wheat	<i>Triticum aestivum</i>	Kank	Improved Varieties only	Hilly	25	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Rabi	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department
Vegetable	<i>Lagearia siceraria</i>	Ghiya		Lowland valleys	2	Plenty	Plenty	-	-	-	-	-	Local People of the area	

The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 'other details' vary with the nature of crops. For measuring local status, there need to identify a particular year – significant changes in ecology occurred – and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation practices, propagation techniques, usage etc can be included in the column 8, in associated TK.



## Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Apricot	<i>Prunus armeniaca</i>	Khobani	Improved	Hilly	Sufficient		Department/ Locals	Summer		Fruit	Own	Department/ Local
Mango	<i>Mangifera indica</i>	Aam	Sandoori	Hilly	Sufficient		Department/ Locals	Summer	Zinc, Vitamin-A Calcium	For Pickle	Marketing , own use	Department/ Local
Peach	<i>Prunus persica</i>	Adu	Improved/ Local	Hilly	Sufficient		Department/ Locals	Summer	-	Fruit	Market/ Own	Department/ Local
Toot	<i>Morus alba</i>	Toot	Local	Farm fields	Sufficient		Wild/ Local	July-August		Fruit	Own Use	Low Prouction
Guava	<i>Psidium guajava</i>	Amrood	Local	Farm fields	Sufficient		Wild/ Local			Fruit	Marketing , own use	Medium Production
Kimb	<i>Citrus karna</i>	Kimb	Local	Farm fields	Rare		Wild/ Local	Dec-Apr		Fruit	Own Use	Low Prouction
Jujube	<i>Zyzyphus jajuba</i>	Ber	Local	Farm fields	Sufficient		Wild/ Local	Dec-Apr		Fruit	Own Use	Low Prouction
	<i>Carrisa carandus</i>	Garna	Local	Farm fields	Sufficient		Wild/ Local	Jul-Sep		Fruit	Own Use	Medium Production
AMLA	<i>Emblica officinalis</i>	Amla	Local	Farm fields	Sufficient		Wild/ Local	Jul-Sep		Fruit	Marketing , own use	Low Prouction
	<i>Cordia myxa</i>	Laoora	Local	Farm fields	Rare		Wild/ Local	Jul-Sep		Fruit	Own Use	Low Prouction
	<i>Cirus spp</i>	Jameeri	Local	Farm fields	Rare		Wild/ Local	Dec-Apr		Fruit	Own Use	Low Prouction

Format 3: Fodder Crops / Species										
1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
				Past	Present					
Sorghum	<i>Sorghum spp.</i>	Cherri	Hilly	Abundant	Abundant	Farmers / Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Maize	<i>Zea mays</i>	Makki	Hilly	Abundant	Abundant	Farmers / Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Bajra	<i>Pennisetum americanum</i>	Bajra	Hilly	Abundant	Abundant	Farmers / Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Tree	<i>Bauhinia variegata</i>	Kachnaar	Hilly and plain	Plenty	Plenty	Forest Deptt. & Local	Fodder	Leaf	Fodder/ Traditional saag	
Tree	<i>Albizia lebbeck</i>	Siris	Hilly and plain	Plenty	Plenty	Forest Deptt. & Local	Fodder	Leaf	Fodder & Firewood	
Tree	<i>Grewia optiva</i>	Dhaman	Hilly and plain	Plenty	Plenty	Wild	Fodder	Leaf	Fodder & Firewood	
Tree	<i>Leucinia leucophela</i>	Leucinia	Hilly and plain	Plenty	Plenty	Wild	Fodder	Leaf	Fodder & Firewood	

Tree	<i>Acacia modesta</i>	Phulai	Hilly and plain	Plenty	Plenty	Wild	Fodder	Leaf	Fodder & Firewood	
Tree	<i>Celtis australis</i>	Kharkh	Hilly and plain	Plenty	Plenty	Wild	Fodder	Leaf	Fodder & Firewood	
Tree	<i>Morus alba</i>	Toot	Hilly and plain	Plenty	Plenty	Farmers / Department	Fodder	Leaf	Fodder	

Other details include fodder for which animal, special features, medicinal uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc.

Format 4: Weeds												
1	2	3	4	5	6	7		8	9	10	11	12
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status		Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge Holder
						Past	Present					
Dub Grass	<i>Cynodon - dactylon</i>	Dub Grass	Rabi/ Kharif		Palin/Hilly	Abundant	Abundant	Fooder	Mechanical, Chemical	-	Agri. & wasteLand	Farmers
Wild oats	<i>Avena fatua</i>	Jangli Javi	Oats		Palin/Hilly	Abundant	Abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers
Wild Rice	<i>Echinochloa colona</i>	Swanki	Paddy		Palin/Hilly	Abundant	Abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers
Shrub	<i>Parthenum hystrophorus</i>	Congress Grass	All Crops		Palin/Hilly	Plenty	Rare		Uprooting		Exotic	
Shrub	<i>Cannabis sativa</i>	Bhaang	All Crops		Palin/Hilly	Plenty	Plenty		Uprooting		Indigenius	
Shrub	<i>Rhychosia minima</i>	Jungli Moth	All Crops		Palin/Hilly	Rare	Rare		Uprooting		Indigenius	
Shrub	<i>Mimosa rubicaulis</i>	Raal	All Crops		Palin/Hilly	Rare	Rare		Uprooting		Indigenius	
Shrub	<i>Ageratum conyzoides</i>	Neeli Butti	All Crops		Palin/Hilly				Uprooting		Exotic	

Other details may include how long the weeds have been suppressing/adversely affecting the crops in this locality, when it came under notice, intensity of natural multiplication etc

### Format 5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	Scientific Name	Local Name	Habitat	Time / Season of Attack	Management Mechanism	Associated TK	Other Details	Community Knowledge Holder
Miaze	Cut worm	<i>Agrotis ipsilon</i>	Ludi/ Toka	Plain Hilly	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
Maize/ Wheat	Field rats	<i>Rattus meltda</i>		Plain Hilly	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
Maize/ Wheat	Grass hoppers	<i>Caclifera</i>		Plain Hilly		Agriculture			
	Porcupine	<i>erethizon dorsatum</i>	Say	Plain Hilly	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
Wheat	Termite	<i>Microtermes obesi</i>	Senk	Plain Hilly		Agriculture			Farmers/ General Public
Wheat	Wheat aphid	<i>Sitobion miscanthi</i>		Plain Hilly		Agriculture			Agriculture
Wheat	Gram pod borer	<i>Heterodera avenae</i>		Plain Hilly		Agriculture			Agriculture


Other details may include possible reasons for insects/animal attack

**Format 6: Markets for Domesticated animals**

1	2	3	4	5	6	7	8	9
<b>Name of the market &amp; location</b>	<b>Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]</b>	<b>Types of animals bought and sold [2]</b>	<b>Types and Average Number of animals transacted in a day</b>	<b>Places from which animals are brought</b>	<b>Places to which the animals are sold / transported</b>	<b>Name and location of fish market</b>	<b>Types of fishes sold</b>	<b>Source of fish</b>
<b>NO ORGANISED MARKET</b>								

**Note: [1] (D) – day; (M) – month;**

**[2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)**

<b>Format 7: Peoplescape</b>										
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
<b>Community &amp; Population</b>	<b>Families &amp; Major Occupation</b>	<b>Sub-Occupation</b>	<b>Depending Landscape</b>	<b>Major resources accessed and seasons of access</b>	<b>Landscape Management Practices</b>	<b>Resource Management Practices</b>	<b>Cast / Tribe</b>	<b>Social Condition</b>	<b>Nature of Inhabitants</b>	<b>No. of HHs</b>

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc.  
 Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc  
 How the community manages the landscapes they use for satisfying different needs, their strategies and perception  
 How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc



<b>Format 8: Landscape</b>												
1	2	3	4	5	6	7	8	9	10	11	12	13
Major Landscapes			Sub - Landscapes	Features and approx. area	Ownership	General Flora	General Fauna	User groups	Management Practices	General Uses	Associated TK	Other Details
Agricultural Land	Pond	Fallow Land										
Agricultural Land	Maize orchard vegetable	Open land close land garden	Private	Wheat Maize, Bajra	Monkey, Rabbit, Porcupine, Rat, Pigeon, Sparrow	Locals	Crop rotation terrace farming	Food, oil, fodder vegetable			Locals	
Fallow Land			State/ Forest		Monkey, Rabbit, Porcupine, Rat, Pigeon, Sparrow	Locals					Locals	
Pond		Standing wtare for habitat for plants and animal	State, Forest and private	Algea pteridophytes fungal water lillies, grass etc	Fishes, frog snails. Snakes. Leech etc	Locals	De-silting dredging, blue pond dye etc	Drinking and irrigation purpose			Locals	
Forest Land			Forest	Chir khair, talli. Simbal, Bamboo etc	Monkey, Rabbit, Porcupine, Rat, Pigeon, Sparrow	Locals And nomadic groups		Timber Medicinal Fruit			Locals	

The above information is not exhaustive and relevant additional information to be filled up by the concerned departments.

Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements

<b>14</b>
<b>Community Accessed</b>

<b>Format 9: Waterscape</b>												
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Waterscape Element Type</b>	<b>Sub-Type</b>	<b>Features and Approx Area</b>	<b>Ownership</b>	<b>General Flora</b>	<b>General Fauna</b>	<b>Major Uses</b>	<b>User Groups</b>	<b>Management Practices</b>	<b>General Uses</b>	<b>Associated TK</b>	<b>Other Details</b>	<b>Community Accessed</b>
Pond		Standing water for habitat of plants and animal	Forest and Private	Algae, water hyacinth fern water lillies	Fishes, frog mosquito, snakes etc	Irrigation and drinking	Locals	Desilting blue pond dye dredging			Locals, wild animal	Locals
Nallah			Forest and Private	Algae, water hyacinth fern water lillies	Fishes, frog mosquito, snakes etc	Irrigation and drinking	Locals				Locals, wild animal	Locals
Bowli		Drinking Water	Forest and Private	Algae		Domestic	Locals				Locals, wild animal	

Examples: Ponds, Streams, Rivers, Lake, Canal, Tubewell, Dug well etc.,

**Format 10: Soil type**

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil Management	Plants / Crop Suitable	Flora and Fauna	Associated TK	Other Information
Brown Soil	Brown pine Particles	Water holding capacity		Kharif & Rabi Crops	Earth worm bacteria fungi algae		
Alluvail Soil	Light brown porous	Water holding capacity		Kharif & Rabi Crops	Earth worm bacteria fungi algae		
Red Soil	Red	Water holding capacity		Cactus species Ganira Agave etc	Nematode around worm scorpion lichen		
Rockey Soil	Black	Hard texture		Bryophyte	Mosses, Lichen fungi alage		

The above information is not exhaustive and relevant additional information to be filled up by the concerned departments.





**Format 12: Medicinal Plants (Herbs, Shrubs, Trees etc.)**

1	2	3	4	5	6	7		8	9	10	11	12
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of Plant/Seeds	Local status		Uses (usage)	Part used	Associated TK	Other details market/own use	Community/ Know. Holders
						Past	Present					
Herbs	Jungli Putana	<i>Mentha</i>		Lower Shiwalik	Roots	Abundant	Abundant	Nil	Leaves	NA	NA	Generally held by Community
Shurbs	Brankad	<i>Adhatoda vasica</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves	NA	NA	Generally held by Community
Shurbs	Drainkdu	<i>Murraya koenigii</i>		Sub Tropical Area	Seeds	Rare	Rare	Nil	Leaves	NA	NA	Generally held by Community
Shurbs	Thor	<i>Euphorbia royleana</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves	NA	NA	Generally held by Community
Tree	Amla	<i>Phyllanthus emblica</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves Fruits	NA	NA	Generally held by Community
Tree	Bair	<i>Ziziphus mauritiana</i>		Lower Shiwalik	Seeds	Rare	Rare	Nil	Steam	NA	NA	Generally held by Community
Tree	Draink	<i>Melia azedarach</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves	NA	NA	Generally held by Community
Tree	Jammun	<i>Syzygium cumini</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Maintain Sugar Level in Human body	Leaves Fruits	NA	NA	Generally held by Community

Tree	Mango	<i>Mangifera indica</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Stem / Fuits	NA	NA	Generally held by Community
Tree	Arjun	<i>Terminalia arjuna</i>		Lower Shiwalik	Seeds	Rare	Rare	Nil	Leaves / Bark	NA	NA	Generally held by Community
Tree	Neem	<i>Azadirachta indica</i>		Lower Shiwalik	Seeds	Rare	Rare	Nil	Leaves / Bark	NA	NA	Generally held by Community
Tree	Khair	<i>Acacia catechu</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves and Stem	NA	NA	Generally held by Community
Tree	Lusada	<i>Cordia dichotoma</i>		Lower Shiwalik	Seeds	Rare	Rare	Nil	Leaves / Fruits	NA	NA	Generally held by Community







**Format 15: Domesticated Animals**

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Breed (local/hybrid)	Features	Method of keeping	Local status		Uses	Associated TK	Commercial Rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Cattle	Gaay	<i>Bos indicus</i>	Local	Humped	Semiintensive	Large	Less	Milk	Milk good for brain	Nil	Ghee, curd,Butter, kaladi,cheese	Farmer
	Jersey	<i>Bos Tarus</i>	Jersey Hybrid	Humpless	Stallfed	Less	Large	drought milk	Milk good for brain	Yes	Ghee, curd,Butter, kaladi,cheese	Farmer
	HF	<i>Bos Tarus</i>	Hforos	Humpless	Stallfed	Less	Large	drought milk	Milk good for brain	Yes	Ghee, curd,Butter, kaladi,cheese	Farmer
	Sahiwal	<i>Bosindicus</i>	Local	Humped		Less	Large	drought milk	Milk good for brain	No	Ghee, curd,Butter, kaladi,cheese	Farmer
Buffalo	Bhains	<i>Bubblous</i>	Local/Hybrid	Humpless	Semiintensive	Large	Less	Milk	Ploughing	No	Ploughing, carting	Farmer
		<i>Bubalis</i>										
Buffox	Saand	<i>Bubblous</i>	Local/Hybrid	Humpless	Semiintensive	Large	Less	Ploughing	Ploughing	No	Ploughing, carting	Farmer
		<i>Bubalis</i>										
Goat	Bakri	<i>Capra Hercus</i>	Local/Hybrid	-	Domesticated	Available	Available	Milk, Meat	-	Yes	Meat, Milk,Hide	Farmer, Bakerwal,shepherd
Sheep	Bhed	<i>Ovisovis</i>	Local/Hybrid	-	Domesticated	Available	Available	Meat	-	Yes	Meat and wool	Farmer, Bakerwal,shepherd
Dog	Kutta	<i>Cannis lupus</i>	Local/Hybrid	-	Pet/Domesticated	Available	Available	Guarding	-	No	Guarding/security	Individual

Cat	Billi	<i>Felis Catus</i>	Local	-	Domesticated	Available	Available	Pest Control	-	No	-	-
Horse	Ghorda	<i>Equscabalus</i>	Local/Hybrid	-	Domesticated	Available	Available	Drought	-	-	Drought, racing	Individual horse owner
Pig	Suar	<i>Subscrofa</i>	Local	-	free roaming	Available	Available	Meat	-	-	Meat	Pig owner
Mule	Khachar	<i>Equus asinus</i> × <i>Equus caballus</i>	Local	-	Domesticated	Available	Available	Drought	-	-	drought	Mule Owner
Donkey	Gadda	<i>Equus asinus</i>	Local	-	Domesticated, free roaming	Available	Available	Drought	-	-	loading drought	Donkey owner

Uses include milk, meat, skin, fur and etc

<b>Format 16: Culture Fisheries</b>												
1	2	3	4	5	6	7		8	9	10	11	12
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (Pond/Bheri/ Talao)	Local status		Uses	Associated TK	Commercial Rearing	Other details	Community Know. Holders
						Past	Present					

Note: Other details include mode of catching fish, time of availability, breeding time, feeds and etc



**WILD BIODIVERSITY**

**Format 18: Trees, Shrubs, Herbs, Tubers, Grasses, Climbers etc.**

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / Own Use	Part Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood			
Tree	Saintha	<i>Dodonaea viscosa</i>	Shurbs	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood			
Tree	Shisham	<i>Dalbergia sissoo</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood			
Herb	Brenker	<i>Adhatoda vscosa</i>	Herb	Sub Tropical	Good	Moderate	Own Use	Leaves			Locals
Herb	Bhang	<i>Canabis sativa</i>	Herb	Sub Tropical	Good	Moderate	Own Use	Leaves			Locals
Shrub	Aak	<i>Ipomea cornea</i>	Shrub	Sub Tropical	Good	Moderate	Own Use	Roots			Locals
Herb	Jojra	<i>Xanthium strumarium</i>	Shrub	Sub Tropical	Good	Moderate	Own Use	Leaves			Locals
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber/ Firewood			Locals
Tree	Khair	<i>Acacia catechu</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber/ Firewood			Locals
Tree	Kamila	<i>Mallotus philippensis</i>	Tree	Sub Tropical	Good	Moderate	Own Use	Timber/ Firewood			Locals
Tree	Toona	<i>Toona ciliata</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber/ Firewood			Locals

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

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (as Economic, Social, Cultural etc.)	Status
1	Saintha	<i>Dodonaea viscosa</i>	-	Fire Wood	Good
2	Kanner / Lagendilka	<i>Nerumindicum</i>	-	Fire Wood	Good
3	Tarad	<i>Dioscorea belophylla</i>	-	Food	Moderate
4	Krangal	<i>Cassia fistula</i>	-	Medicinal Value	Moderate
5	Fagwara	<i>Ficus palmata</i>	-	Medicinal Value	Moderate
6	Kakoa	<i>Flacourtia indica</i>	-	Medicinal Value	Moderate
7	Chir	<i>Pinus roxburghii</i>	-	Timber Resin	Fairly Available
8	Talli	<i>Dalbergia sisoo</i>	-	Timber Resin	Moderate
9	Ber	<i>Ziziphus jujuba</i>	-	Medicinal Value	Moderate







<b>Format 22: Wild Plants of Medicinal Importance</b>											
1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Status		Associated TK	Uses (usage)	Part used	Other details Market/ Own Use	Community/ Knowledge Holder
					Past	Present					
Tree	Behra	<i>Terminalia Bellirica</i>	Tree	Northern Sub-Tropical	Good	Good	Nil	Medicinal	Bark		
Tree	Sukh Chain	<i>Pongamia pinnata</i>	Tree	Northern Sub-Tropical	Good	Good	Nil	Medicinal	Bark		
Shrub	Vanna	<i>Vitex negundu</i>	Wild	Wild	Abundanta	Decline	Nil	Medicinal	Leaves	Domestic Use	
Tree	Bilan	<i>Aegle marmlos</i>	Wild	Wild	Abundanta	Decline	Nil	Medicinal	Fruit	Domestic Use	
Tree	Trimbal	<i>Ficus auriculata</i>	Wild	Wild	Abundanta	Decline	Nil	Medicinal	Fruit	Domestic Use	
Tree	Behra	<i>Terminalia Bellirica</i>	Wild	Wild	Abundanta	Decline	Nil	Medicinal	Fruit	Domestic Use	
Tree	Kainth	<i>Pyrus pashia</i>	Wild	Wild	Abundanta	Decline	Nil	Medicinal	Fruit/ Fodder	Domestic Use	

Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide)

Other details: Harvesting period /Perennial/annual/seasonal

**Format 23: Wild relatives of Crops**

1	2	3	4	5		6	7	8	9	10
Local Name	Scientific Name	Associated Crop	Landscape / Habitat	Local Status		Uses (usage)	Part Used	Associated TK	Other details	Community / Know holder
				Past	Present					
Mango	<i>Mengifera indica</i>	Mengifera indica	Wild	Available	Available	Fruit	Fruit			Locals
Wild Tabbacco	<i>Verbascum thapsus</i>	Nicoiana	Wild	Available	Available	Smoking	Whole Plant			Locals

Note: Other details may include 'function as a substitute plant' in the absence of a particular plant

**Format 24: Ornamental Plants**

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-Commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder
Amaltas	<i>Cassia fistula</i>	Wild	Wild	Ornamental/ Medicinal			Local People
Garden Violet	<i>Viola odorata</i>	Wild	Wild	Ornamental/ Medicinal			Local People
Datura	<i>Datura metal</i>	Wild	Wild	Ornamental/ Medicinal			Local People
Wild Strawberry	<i>Fragaria vesea</i>	Wild	Wild	Ornamental/ Medicinal			Local People
Tabbacco	<i>Nicotiana tabacum</i>	Wild	Wild	Ornamental/ Medicinal			Local People



**Format 26: Timber Plants**

1	2	3	4		5	6	7	8
Local Name	Scientific Name	Habitat	Local Status		Other Uses, if any	Associated TK	Other Details	Community/ Knowledge Holder
			Past	Present				
Shisham	<i>Dalbergia sisso.</i>	Sub-Tropical	Good	Moderate	Commercial / Own Use	Timber / Fire Wood		Local Peoples
Safeda	<i>Eucalyptus spp.</i>	Sub-Tropical	Good	Moderate	Commercial / Own Use	Timber / Fire Wood		Local Peoples
Chir	<i>Pinus roxburghii</i>	Sub-Tropical	Good	Moderate	Resin	Timber / Fire Wood		Local Peoples
Toona	<i>Toona ciliata</i>	Sub-Tropical	Good	Declined	Timber	Timber / Fire Wood		Local Peoples
Toot	<i>Morus alba</i>	Sub-Tropical	Good	Moderate	Fodder	Fruit		Local Peoples
Simbal	<i>Bombax ceiba</i>	Sub-Tropical	Good	Declined		Timber / Fire Wood		Local Peoples
Khair	<i>Acacia catechu</i>	Sub-Tropical	Good	Moderate	Timber	Timber / Fire Wood		Local Peoples
Kharkh	<i>Celtis australis</i>	Sub-Tropical	Good	Declined	Timber	Edible seed		Local Peoples
Fly	<i>Acacia nodesta</i>	Sub-Tropical	Good	Moderate	Timber	Timber / Fire Wood		Local Peoples







**Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others)**

1	2	3	4	5	6	7		8	9	10	11
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details
						Past	Present				
Wild Animals	Leopard	<i>Panthera pardus</i>	North. Sub-Tropical	Nil	Nil	Good	Good				
Wild Animals	Squirrel	<i>Sciuridae</i>	North. Sub-Tropical	Nil	Nil	Good	Good				
Wild Animals	Pig	<i>Suidae</i>	North. Sub-Tropical	Nil	Nil	Good	Good				
Wild Animals	Monkey	<i>Ecidae</i>	North. Sub-Tropical	Nil	Nil	Good	Good				
Wild Animals	Jackal	<i>Canis aureus</i>	North. Sub-Tropical	Nil	Nil	Good	Good				
Carnivore	Eil	<i>Aquila chrysaetos</i>	Forest	Nil	Nov-Dec	Good	Declined	Sevanger			
Herbivore	Titli	<i>Precies herts abboreal</i>	Forest	Insect	All Season	Good	Declined				
Omnivore	Murga	<i>Gallus galus</i>	Forest	Bird	All Season	Good	Declined				
Herbivore	Khargosh	<i>Lepus nigricolis</i>	Forest	Mammal	All Season	Good	Declined				

Carnivore	Mendak	<i>Rana tigrina</i>	Forest	Amphibian	All Season	Good	Declined				
Carnivore	Snake	<i>naja naja</i>	Forest	Mammal	All Season	Good	Declined				

12
<b>Community/ Knowledge Holder</b>
Locals
Locals
Locals
Locals

Locals
Locals




**Note:** Separate format should be used for road side plantation / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat








**Note:** Separate format should be used for road side plantation - habitat / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

<b>Format 31: Any other information of local importance</b>		
<b>1</b>	<b>2</b>	<b>3</b>
<b>Sr. No.</b>	<b>Information of local importance</b>	<b>Remarks</b>

*End of Part II*