

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti:** Chani Mansar

**Taluk:** Majalta

**District:**Udhampur

**State:** J&K UT

**Geographical Area of the Panchayat Samiti:** 310.2 Hac.

**Population under the Panchayat Samiti:** Total 1680

**Male:** 880

**Female:-** 800

**Habitat and Topography:**

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

**Land Use (Nine fold classification available with village records)** Agriculture, Forerst, Domestic, Plantation Use.

**Date, Month and Year of PBR Preparation:** 25/10/2020

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

## Annexure 1

**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:** Smt Sareshtha Devi

**Age:** 40

**Gender:** Female

**Address:** Chani-Mansar

**Area of specialization:** Wheat, Paddy (Agriculture)

**2) Name:** Sh Parshotam Kumar

**Age:** 58

**Gender:** Male

**Address:** Chani-Mansar

**Area of specialization:** Wheat, Paddy (Agriculture)

**3) Name:** Sh Joginder Singh

**Age:** 65

**Gender:** Male

**Address:** Chani-Mansar

**Area of specialization:** Wheat, Paddy (Agriculture)

**4)Name:** Sh Romesh Kumar

**Age:** 55

**Gender:** Male

**Address:** Chani-Mansar

**Area of specialization:** Wheat, Paddy (Agriculture)

**5)Name:** Smt Nisha Devi

**Age:** 35

**Gender:** Female

**Address:** Chani-Mansar

**Area of specialization:** Wheat, Paddy (Agriculture)

**6)Name:** Smt Rajni Devi

**Age:** 45

**Gender:** Female

**Address:** Chani-Mansar

**Area of specialization:** Wheat, Paddy (Agriculture)

**7)Name:** Skinder Kumar

**Age:** 53

**Gender:** Male

**Address:** Thalora

**Area of specialization:** Wheat (Agriculture)

## Annexure-2

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

1) Name : Nil

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:

### **Annexure 3**

**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: Nil**

**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:**

**Annexure 4**

**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:** Bushan Kumar, MS Chani

**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**



**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>	Makki	Improved Varieties only	Hilly	241.65	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	July-October	Food Fodder Grain	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department
Wheat	<i>Triticum aestivum</i>	Kanak	Improved Varieties only	Hilly	25	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	November-April	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department

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.

<b>Format 2: Fruit Plants</b>												
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	-	Income Source	Market/ Own	Department/ Local
Walnut	<i>Juglans regia</i>	Khode	Normal	Hilly	Sufficient		Department/ Locals	Summer	-	Income Source	Market/ Own	Department/ Local
Peach	<i>Prunus persica</i>	Adu	Improved/ Local	Hilly	Sufficient		Department/ Locals	Summer	-	Income Source	Market/ Own	Department/ Local
Mango	<i>Mangifera indica</i>	Amb	Desi						-			Popular in Local Population
Lemon	<i>Citrus limon</i>	Nimboo	Wild	Sub-Tropical	Good		Grafted plant	March-October	-	Processing	Own use	Popular in Local Population
Gauva	<i>Psidium guajava</i>	Amrood	Desi						-			Popular in Local Population
Amla	<i>Phyllanthus emblica</i>	Amla	Desi	Sub-Tropical	Good		Seedling Tree	March- November	-	Processing	Own use	Popular in Local Population
Jamun	<i>Syzygium cumini</i>	Jamun	Wild	Sub-Tropical	Good		Seedling and Grafted	March-July	-	Processing	Own use	Popular in Local Population
Bael	<i>Aegle marmelos</i>	Bael	Wild	Sub-Tropical	Good		Seedling	March-June	-	Table Purpose	Own use	Popular in Local Population
Lychee	<i>Litchi chinensis</i>	Lychee	Dehradun	Sub-Tropical	Good		Layered Plant	March-July	-	Table purpose	Own use	Popular in Local Population



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					
Jowar	<i>Sorghum bicolor.</i>	Cherri	All Landscapes	Rare	Abundant	Farmers / Agricultural Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder cattles	Almost all farmers families has sufficient knowledge
Sorghum	<i>Sorghum bicolor.</i>	Jowar	Hilly	Plenty	Plenty	Farmers / Department/ Local	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Bajra	<i>Pennisetum americanum</i>	Bajra	Hilly	Rare	Rare	Farmers / Agriculture Department/ Private	It has resistnce & tolerate water logging condition	Above ground part of plant	Fodder cattles	Farmers

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		Hilly	Abundant	Abundant	Fooder	Mechanical, Chemical	-	Agri. & wasteLand	Farmers
Wild oats	<i>Avena fatua</i>	Loan	Wheat		All landscapes	Good	Good	Fooder	Cultural/Chemical	-	Local	Farmers
Wild Rice	<i>Echinochloa colona</i>	Swanki	Paddy		Hilly	Abundant	Abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers
Bathua	<i>Chenopodium album</i>	Bathua	Wheat			Good	Good	Edible	Use of Medicine		Multiply very Fast	Almost all the farming families has sufficient knowledge
Ubban	<i>Philarsis Minor</i>	Ubban	Wheat		All landscapes	Good	Good	Fooder	Cultural/Chemical		Local	
Cholai	<i>Amaranthus sp.</i>	Chaleri	Pulse/Wheat		All landscapes	Good	Good	Edible	Cultural/Chemical		Local	
Kandise	<i>Crisis reverse</i>	Kandri	Wheat		All landscapes	Good	Good	Edible	Cultural/Chemical		Local	

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
	Cut worm	<i>Agrotis ipsilon</i>	Ludi/ Toka	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Field rats	<i>Rattus meltdada</i>	fpri-	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Monkey	<i>Macaca mulatta</i>	Bander/ Tolo	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Porcupine	<i>erethizon dorsatum</i>	Say	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
Wheat	Field rats	<i>Bandicata species</i>	Chua/kees		Throughout year		-		
Soil	Termites	<i>Microtermes obesi</i>	Deemak		Throughout year	Destroy Termites in and around fields	-		
Soil	Cut worm	<i>Agrotis ipsilon</i>	Lure	Soil	Kharif	Ipm/chemical	-		
Maize	Army worm	<i>Spodoptera frugiperda</i>	Kiri	Plants	Kharif	Ipm/chemical	-		

Other details may include possible reasons for insects/animal attack

<b>Format 6: Markets for Domesticated animals</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>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>
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

**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>
Hindi & Muslim 2205	Govt. Service life stock, Private services etc.	Labourers	Hilly	Paddy June to July, Maize June to July & Wheat October to November	Rainfall	Rainfall	SC, ST & Others	Average	Farmers, Labourers	415

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>													
<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>12</b>
<b>Major Landscapes</b>			<b>Sub - Landscapes</b>	<b>Features and approx. area</b>	<b>Ownership</b>	<b>General Flora</b>	<b>General Fauna</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>
<b>Agricultural Land</b>	<b>Pond</b>	<b>Fallow Land</b>											
Planes & Hilly Area			Hily	Hilly and Wellas	Forest Land, Private Land & State Land	Board Leaves Mainly	Domesstic Animals, Wild life such as Porcupine, Jackal Etc.	Public as well as Private and Govt. also	Nil	Plantation and Agriculture	Nil	Nil	Nil

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

<b>Format 9: Waterscape</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>12</b>	<b>13</b>
<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>
Ponds	-		Forest Land & Private Land	Kamal Baryan	Frogs, Fishes, Torotise, Snakes & Snails	Cattle, Washing Clothes, Irrigation on Drinking etc.	Public					
Bowlis			Private Land		Frogs, Fishes, Torotise, Snakes & Snails	Cattle, Washing Clothes, Irrigation on Drinking etc.	Public					

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

<b>Format 10: Soil type</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>Soil Type</b>	<b>Color &amp; Texture</b>	<b>Features</b>	<b>Soil Management</b>	<b>Plants / Crop Suitable</b>	<b>Flora and Fauna</b>	<b>Associated TK</b>	<b>Other Information</b>
Alluvial Sandy Soil	Fine & Coarsegrain	Rich in N, CA, FE, SI					
Hilly & Mountain Soil	Fine & Coarsegrain	Rich in N, CA, FE, SI					
Red Podzolic	Brown Red	Rich in CA, FE, SI					
Un Consolidated Boulder Soil	Corous Grains Rocky	Rich in FE, SI					

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



## DOMESTICATED BIODIVERSITY

**Format 11: Fruit Trees**

1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of Plant/Seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details Market/Own Use	Community/ Know. Holder
					Past	Present						
Tree	Mango	<i>Mangifera indica</i>	Tree	Sub Tropical	Good	Moderate	Seedling	March-August	Table,Pickle	NA	Own use	Popular in local population
Tree	Guava	<i>Psidium guajava</i>	Tree	Norh. Sub Tropical	Good	Moderate	Seedling	March-August	Friut	NA	Own use	Popular in local population
	Lemon	<i>Citrus limon</i>	Tree	Sub Tropical	Good	Moderate	Grafted	March-October	Processing	Record available	Own use	Popular in local population
	Amla	<i>Phyllanthus emblica</i>	Tree	Sub Tropical	Good	Moderate	Seedling and Grafted	March-July	Table, Processing	Record available	Own use	Popular in local population
	Litchi	<i>Litchi chinensis</i>	Tree	Sub Tropical	Good	Moderate	Layered Plant	March-July	Table, Processing	Record available	Own use	Popular in local population

**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	Good	Good	Nil	Leaves	NA	NA	Generally held by Community
Shurbs	Brankad	<i>Adhatoda vasica</i>		Lower Shiwalik	Seeds	Good	Good	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	Good	Good	Nil	Leaves	NA	NA	Generally held by Community
Tree	Amla	<i>Phyllanthus emblica</i>		Lower Shiwalik	Seeds	Good	Good	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	Good	Good	Nil	Leaves	NA	NA	Generally held by Community
Tree	Jammun	<i>Syzygium cumini</i>		Lower Shiwalik	Seeds	Good	Good	Maintain Sugar Level in Human body	Leaves Fruits	NA	NA	Generally held by Community
Tree	Mango	<i>Mangifera indica</i>		Lower Shiwalik	Seeds	Good	Good	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	Good	Good	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

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

Other details: Propagation methods, / Harvesting period,/ Cultivated or collected from wild or both,/ Perennial/annual/seasonal

**Format 13: Ornamental Plants/ Trees/Climbers etc.**

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of Plant/Seeds	Commercial/ Non- Commercial	Uses	Associated TK	Other details	Community/ Know. Holder
Climbers	Kareer	<i>Rosa Acicularis</i>		Seed	Non Commercial	NA	NA	NA	NA
	Peepal	<i>Ficus religiosa</i>		Nurseries/ Forests	Non Commercial				
Tree	Tali	<i>Dalbergia sissoo</i>		Forests	Non Commercial				
Tree	Sagwan	<i>Tectona grandis</i>		Nurseries/ Forests	Non Commercial				
Tree	Silver oak	<i>Grevillea robusta</i>		Nurseries	Non Commercial				
Tree	Bottle Brush	<i>Callistemon species</i>		Nurseries	Non Commercial				

**Format 14: Timber Plants / Trees**

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ Home-Garden	Other Uses (Multi)	Associated TK	Other Details	Community/ Know. Holder
				Past	Present					
Timber	Mango	<i>Mangifera indica</i>	Lower Shivalik	Abundant	Abundant	Both	Own	NA	Nil	Generally held by Community
Timber	Safeda	<i>Eucalyptus spp.</i>	Lower Shivalik	Abundant	Rare	Wild	Commercial	Nil	Nil	Generally held by Community
Timber	Tali	<i>Dalbergia sissoo</i>	Lower Shivalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally held by Community
Timber	Tuni	<i>Toona ciliata</i>	Lower Shivalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally held by Community
Timber	Chir	<i>Pinus roxburghii</i>	Lower Shivalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally held by Community
Timber	Sree	<i>Albizzia Lebbeck</i>	Lower Shivalik	Rare	Abundant	Wild	Own	Nil	Nil	Generally held by Community
Timber	Jamun	<i>Syzygium cumini</i>	Lower Shivalik	Rare	Abundant	Wild	Own	Nil	Nil	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	including products and services	Community Know. Holders
						Past	Present					
Cattle	Gaay	<i>Bosindicus</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	-	Domesticated	Available	Available	Milk, Meat	-	Yes	Meat, Milk, Hide	Farmer, Bakerwal, shepherd
Sheep	Bhed	<i>Ovisovis</i>	Local	-	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	-	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
Cow	Ghan	<i>Bos tarus</i>	Local					Milk		Yes		

Uses include milk, meat, skin, fur and etc

Format 16: Culture Fisheries												
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					
Carps	Rohu	<i>Labeo rohita</i>	IMC's	Bony Fish	(Pond/Bheri/ Talao)	Carp culture was taken up after the year 2002.	Carp Culture is being taken up with the facilitation of the department.	Human Food Fish	Partial	Yes	Mode of Catching Fish:- Drag Netting , Cast Netting etc.,  Breeding Time:- Monsoon season and Common Carp also breeds during the month of March and April.  Fish Seed is procured from the differnet Farms of the Department.  Traditionally Feeding is done by mixing Mustard Oil Cake Rice Bran, Wheat Bran,Crushed Maize etc. But now a days formulated pelleted feed is also available.	Yes, Among Farming Community.
	Mrigal	<i>Cirrhinus mrigla</i>										
	Catla	<i>Catla catla</i>										
	Common Carp	<i>Cyprinus carpio</i>	Exotic Carps									
Grass Carp	<i>Ctenopharyngodon idella</i>											

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					
	Sris	<i>Albizia lebbek</i>	Tree	Nil	Good	Moderate	Both				
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood	-	-	-
Tree	Saintha	<i>Dodonaea viscosa</i>	Shrubs	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood	-	-	-
	Karnal	<i>Cassia fistula</i>	Tree	Nil	Good	Moderate	Both				
Tree	Shisham	<i>Dalbergia sissoo</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood	-	-	-
Tree	Ber	<i>Ziziphus mauritiana</i>	Tree	Sub Tropical	Good	Good	Own use	Timber / Fire Wood	Fruit	-	-
Tree	Amla	<i>Emblica officinalis</i>	Tree	Sub Tropical	Good	Moderate	Own	-	-	-	-
Tree	Khair	<i>Acacia catechu</i>	Tree	Sub Tropical	Good	Moderate	Commercial	-	Fruit	-	-
Tree	Sagwan	<i>Tectona grandis</i>	Tree	Sub Tropical	Good	Moderate	Own/Commercial	-	Katha	-	-
Tree	Kamila	<i>Mallotus philippinensis</i>	Tree	Sub Tropical	Good	Moderate	Own/Commercial	-	Resin	-	-
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub Tropical	Good	Moderate	-	-	-	-	-



**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>	Shrub	Fire Wood	Good
2	Kanner / Lagendilka	<i>Nerumindicum</i>	Tree	Economic/Cultural	Good
3	Bair	<i>Ziziphus mauritiana</i>	Tree	Economic/Cultural	Good
4	Rumbal	<i>Ficus racemosa</i>	Tree	Economic	Good
5	Sree	<i>Albizzia Lebback</i>	Tree	Economic	Good
6	Talli	<i>Dalbergia sirso</i>	Tree	Economic	Good
7	Trimbal	<i>Ficus auriculata</i>	Tree	Economic	Good
8	Tuni	<i>Toona ciliata</i>	Tree	Economic	Good
9	Bheda	<i>Terminalia bellirica</i>	Tree	Economic	Good

<b>Format 20: Aquatic Biodiversity</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>Local Name</b>	<b>Scientific Name</b>	<b>Variety</b>	<b>Features</b>	<b>Habitat</b>	<b>Local Status</b>		<b>Uses</b>	<b>Associated TK</b>	<b>Other details</b>	<b>Community/ Knowledge Holder</b>
					<b>Past</b>	<b>Present</b>				
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Other details may include mode of catching fish, time of availability, breeding time, etc



Format 22: Wild Plants of Medicinal Importance											
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		

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					
Phulai	<i>Acacia modesta</i>		Wild	Available						
Simbal	<i>Bombax Cieba</i>		Wild	Available						
Drenkari	<i>Murraya koenigii</i>		Wild	Available						
Amla	<i>Phyllanthus emblica</i>		Wild	Available						
Jamun	<i>Syzygium cumini</i>		Wild	Available						

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
Panj tara	<i>Tara spinosa</i>	Shurb	Northern Sub-Tropical	Nil	Nil	Nil	Nil
Gulmohar	<i>Delonix regia</i>	Tree	Northern Sub-Tropical	Nil	Nil	Nil	Nil
Silver Oak	<i>Grevillea robusta</i>	Tree	Northern Sub-Tropical	Nil	Nil	Nil	Nil
Sagwan	<i>Tectona grandis</i>	Tree	Northern Sub-Tropical	Nil	Nil	Nil	Nil
Bottle brush	<i>Callistemon</i>	Bush/Shrub	Northern Sub-Tropical	Nil	Nil	Nil	Nil

**Format 25: Fumigate / Chewing Plants**

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
Shrub	Trimuru	<i>Zanthoxylum armatum</i>		Forest	Rare		Used for Teeth	Fruit			Generally held by community
	Brabkad	<i>Adha toda vesica</i>		Locally Present	Abundance		Medicinal	Flower			Generally held by community
	Drainkdu	<i>Murraya koenigii</i>		Locally Present	Abundance		Edible	Leaf			Generally held by community
	Bana	<i>Vitex Nigundo</i>		Locally Present	Rare		Used for Teeth	Branches			Generally held by community
Tree	Flai	<i>Acacia modesta</i>		Forest	Rare		Medicinal	Branches			Generally held by community
	Kiker	<i>Acacia nilotica</i>		Forest	Rare		Used for Teeth	Branches			Generally held by community

**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		
Safeda	<i>Eucalyptus spp.</i>	Sub-Tropical	Good	Moderate	Commercial / Own Use	Timber / Fire Wood		
Drank	<i>Melia azedarach</i>	Sub-Tropical	Good	Moderate	Own			
Jamun	<i>Syzygium cumini</i>	Sub-Tropical	Good	Moderate	Own			
Khair	<i>Acacia catechu</i>	Sub-Tropical	Good	Moderate	Commercial / Own Use			
Kiker	<i>Acacia nilotica</i>	Sub-Tropical	Good	Moderate	Own			
Mango	<i>Magnifera indica</i>	Sub-Tropical	Good	Moderate	Own			
Sree	<i>Albezzia lebback</i>	Sub-Tropical	Good	Moderate	Own			
Simbal	<i>Bombax cieba</i>	Sub-Tropical	Good	Moderate	Own			
Talli	<i>Dalbergia sisso.</i>	Sub-Tropical	Good	Moderate	Own			
Toot	<i>Morus alba</i>	Sub-Tropical	Good	Moderate	Own			
Tuni	<i>Toona ciliata</i>	Sub-Tropical	Good	Moderate	Own			







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

1	2	3	4	5	6	7		8	9	10	11	12
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	Community/ Knowledge Holder
						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					

## URBAN BIODIVERSITY

### Format 29: Flora

1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)

**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



<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*