

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti:** Jaganoo

**Block:** Jaganoo

**Taluk:** Udhampur

**District:** Udhampur

**State:** J&K

**Geographical Area of the Panchayat Samiti:** 385 Hac.

**Population under the Panchayat Samiti:** 2637

**Male:** 1382

**Female:** 1255

**Habitat and Topography:**

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

**Land Use (Nine fold classification available with village records)**

**Date, Month and Year of PBR Preparation**

**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:** Mohan Lal

**Age:** 52 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** Naib Sarpanch

**2) Name:** Shashi Kumar

**Age:** 48 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** Forest Guard/Secretary

**3) Name:** Suraj Parkash Khajuria S/o Gopi Nath ( Expire)

**Age:** 73 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** Ex Serviceman/Member

**4) Name:** Kuldeep Kumar S/o Hari Dutt

**Age:** 53 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** Member

**5) Name:** Vijay Laxmi W/o Kuldeep Kumar

**Age:** 52 yrs

**Gender:** Female

**Address:** Jaganoo

**Area of specialization:** Woman Member

**6) Name:** Subash Chander S/o Prem Chand

**Age:** 54 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** SC Member

**Address:** Kulwanta

**Area of specialization:** Forest Guard/Secretary

## 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:** Sant Ram

**Age:** 72 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** Allergy and Skin Problem

**Location from which the person accesses biological material:**

**Perception of the practitioner on the resource status:**

**Medicinal Use:**

**2) Name:** Raj Kumar S/o Udhay Chand

**Age:** 22 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** Allergy and skin problem

**Location from which the person accesses biological material:**

**Perception of the practitioner on the resource status:**

**Medicinal Use:**

**3) Name:** Sant Ram

**Age:** 72 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** Ayurvedic

**Location from which the person accesses biological material:**

**Perception of the practitioner on the resource status:**

**Medicinal Use:**

**4) Name:** Sain Dass S/o Krishan Chand

**Age:** 62 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** BP/ Snake Bite

**Location from which the person accesses biological material:**

**Perception of the practitioner on the resource status:**

**Medicinal Use:**

**5) Name:** Kewal Krishan S/o Devi Ditta

**Age:** 72 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** Kalvatra

**Location from which the person accesses biological material:**

**Perception of the practitioner on the resource status:**

**Medicinal Use:**

**6) Name:** Mohan Lal S/o Krishan Lal

**Age:** 50 yrs

**Gender:** Male

**Address:** Jaganoo

**Area of specialization:** Cervical

**Location from which the person accesses biological material:**

**Perception of the practitioner on the resource status:**

**Medicinal Use:**

**7) Name:** Kewel S/o Deya Krishan

**Age:**

**Gender:** Male

**Address:** Marore

**Area of specialization:** Jhar Stone

**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:

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:**

**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>	Chawal	Veliyan , Pusa K -343	Lowland valleys	5%	Plenty	rare	Tall variety high yield resistant to drought, flood, pest & diseases		Food Fodder Roofing Fuel	Provides more energy	Suitable for Valicha cultivation		Kurichiya Kuroma w. Cheny
Maize	<i>Zea mays</i>	Muck	7314 Kacha 612, DD	Hilly				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	HD-2967	Hilly				Tall variety High yield Resistant to drought, flood, pest & diseases	Rabi	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department
Sorghom	<i>Sorghum bicolor</i>	Charie		_do_				_do_	Kharif	Fodder	_do_	_	_do_	_
Bajra	<i>Pennisetum glaucum</i>	Bajra			20%								Agri Deptt.	

Shatala	<i>Trifolium</i>	Shatala			10%								Agri Deptt.	
Pulses Mash)	<i>Vigna mungo</i>	maa/mash			5%								Agri Deptt.	
Oil Seed	<i>Sesamum indicum</i>	Til											Agri Deptt.	
Moong	<i>Vigna radiata</i>	Moong			5%								Agri Deptt.	
Rongi / Cowpea / Lobia	<i>Vigna unguiculata</i>				5%								Agri Deptt.	

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						
Mango	<i>Magnifera India</i>	Mango	Desi	Sub-Tropical	Normal		Seeds	June, July	-	Fruit	Own use	
Papaya	<i>Carica papaya</i>	Papita	Desi	Sub-Tropical	Normal		Seeds	June, July		Fruit	Own use	
Black berries	<i>Syzygium cumini</i>	Jamun	Desi	Sub-Tropical	Normal		Seeds	June, July		Fruit	Own use	
Loquat	<i>Eriobotrya japonica)</i>	Loquat	Desi	Sub-Tropical	Normal		Seeds	June, July		Fruit	Own use	
Toot	<i>Morus serrata,</i>	Marsathra	Desi	Sub-Tropical	Normal		Seeds	Feb-Mar		Fruit	Own use	
Guava	<i>Psidium guajava</i>	Amrud	Desi	Sub-Tropical	Normal		Seeds			Fruit	Own use	
Sweet Orange	<i>Citrus sinses</i>	Santra	Desi	Sub-Tropical	Normal		Seeds			Fruit	Own use	
Galgal	<i>Ctrus limon</i>		Desi	Sub-Tropical	Normal		Seeds			Fruit	Own use	
Litchi	<i>Litchi chinensis</i>	Litchi	Desi	Sub-Tropical	Normal		Seeds			Fruit	Own use	

### 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	Sub-Tropical	Normal	Norma	Seed	Nutritious & palatable fodder, Source of energy for animals	Whole plant	Fodder	Local
Bajra	<i>Pennisetum americanum</i>	Bajra	Sub-Tropical	Normal	Norma	Seed	Nutritious & palatable fodder, Source of energy for animals	Whole plant	Fodder	Local
Rice	<i>Oryza Sativa</i>		Sub-Tropical	Normal	Norma	Seed		Whole plant		Local
			Sub-Tropical	Normal	Norma	Seed		Whole plant		Local
		Trimbal	Sub-Tropical	Normal	Norma	Seed		Whole plant		Local
wheat	<i>Triticum aestivum</i>	kanak	Sub-Tropical	Normal	Norma	Seed		Whole plant		Local

	Trifolium	Shatail	Sub-Tropical	Normal	Norma	Seed		Whole plant		Local
Lamb grass	<i>Heteropogon contortus</i>	Lamb grass	Sub-Tropical	Normal	Norma	Seed		Leaf		Local
Doob Grass	<i>Cynodon dactylon</i>	Doob Grass	Sub-Tropical	Normal	Norma	Seed		Leaf		Local

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					
Panjphuli	<i>Lantana camara</i>	Panjphuli	All crops		Sub-Tropical	Rare	More					
Putna Jari		Putna Jari	All crops		Sub-Tropical	Rare	More					
	<i>Parthenum hysterophorus</i>	Congress Grass	All crops		Sub-Tropical	Rare	More					

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
Wheat	Termites	<i>Osoptera</i>	Sinik	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Field rats	<i>Rattus meltada</i>	Rats	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	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Mangoose	<i>Herpstersaurpunctatus</i>	Newla	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Rice Grass Hoppers	<i>Hicreoglyphus banayan</i>							

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>

**NO ORGANISED MARKET**

**Note: [1] (D) – day; (M) – month;**

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

**Format 7: Peoplescape**

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

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

**Format 8: Landscape**

1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub - Landscapes	Features and approx. area	Ownership	General Flora	General Fauna	User groups	Management Practices	General Uses	Associated TK	Other Details	Community Accessed
Agricultural Land	Pond	Fallow Land											
Cultivated Land	-	-	Cultivated Land		Agricultural Lands are privately owned	Wild Plants / Weeds	Insect	-	Ploughing, Sowing, weeding, hoeing, harvesting etc.	Food, Fooder, Fibre etc.	Medicinal, Traditional, Religious.	-	Self Observed
Non- Cultivated Land	-	-	Non- Irrigated Area/ State Land		Agricultural Lands are privately owned	Wild Plants / Weeds	Insect	-	-	Fooder	Medicinal, Traditional, Religious.	-	Self Observed
Grazing Land	-	-	State Land		Govt/Private	Wild Plants / Weeds/ Grasses	Insect	-	-	Fooder	Medicinal, Traditional, Religious.	-	Self Observed

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

**Format 9: Waterscape**

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>
Stream	-	Direct small underground streams	Revenue/ Private Land	Mostly Ferns, Bryophytes, Pteridophytes	Amphibians	Daily household and drinking	All the people of the said area	Traditionally management practices for strengthening of bunds and deepning of tank beds	Drinking & Washing Clothes	-	-	General People of Village
Canals	-	From the bigger nalas	Revenue/ Private Land	All crops including fruits, vegetables & Flowers	Frog, Tadpoles, Fishes, Water snakes	Irrigation, Hydro Power, Chakki/ Gharats	Farmer	Small Check Dams	Irrigation, drinking of domestic animal	-	-	Local villagers
Nalas	-	Direct smal underground streams	Revenue/ Private Land	All crops including fruits, vegetables & Flowers	Frog, Tadpoles, Fishes, Water snakes	Irrigation	Farmer	Check Dams	Irrigation, drinking of domestic animal	-	-	Local villagers
Pakk Pond		Jagnoo/ Large	Revenue	Mostly Ferns, Bryophytes, Pteridophytes			Farmer		Domestic animal			Local
Lana Pond		Jagnoo/ Large		Mostly Ferns, Bryophytes, Pteridophytes			Farmer		Domestic animal			Local

Ghar Pond		Jagnoo/ Large		Mostly Ferns, Bryophytes, Pteridophytes			Farmer		Domestic animal			Local
Juga Pond		Jagnoo/ Large		Mostly Ferns, Bryophytes, Pteridophytes			Farmer		Domestic animal			Local
Bhagper Pond		Small		Mostly Ferns, Bryophytes, Pteridophytes			Farmer		Domestic animal			Local

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
Sandy Soil	Brown/Red/ Yellow	Well drained soil, adequate FYM & nitrogen content, prone to soil erosion due to steep slope	Sandy Loam	Kharif crops like Maize, Sorgum etc. Rabi crops like Wheat, Mustard etc. & other crops like cucurbits etc.	Flora: Fagada, Shisham, Dhaman, Retha, Sehtoot, Aru, Jamun, Gargle, Papita etc. Fauna: Billi, Dog, Cow, Sheep, Goat, Horse, Mule etc.	Religious/ Medicinal/ Traditional	-
Sandy Soil	Brown/Red/ Yellow	Well drained soil, adequate FYM & nitrogen content	Sandy Clay Loam	Kharif crops like Maize, Paddy etc. Rabi crops like Wheat, Mustard etc. & other crops like cucurbits etc.	Flora: Fagada, Shisham, Dhaman, Retha, Sehtoot, Aru, Jamun, Gargle, Papita etc. Fauna: Billi, Dog, Cow, Sheep, Goat, Horse, Mule etc.	Religious/ Medicinal/ Traditional	-
Gredi Soil							

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

Format 11: Fruit Trees					DOMESTICATED BIODIVERSITY							
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						
	Ber	<i>Ziziphus mauritiana lamk</i>	Local	Pvt. / Revenue	Available		Horticulture	Mar-April	Fruit	Own use		
Tree	Mango	<i>Mangifera Indica</i>	Local	Pvt. / Revenue	Available		Seeds	Mar-April	Fruit	Own use		
Shrub	Orange	Citrusinses	Local	Pvt. / Revenue	Normal		Seeds	Mar-April	Fruit	Own use		
Tree	Guava	<i>Psidium guajava</i>	Local	Pvt. / Revenue	Normal		Seeds	Mar-April	Fruit	Own use		
	Fig	<i>Ficus palmata</i>	Local	Pvt. / Revenue	Available		Seeds	Feb-Mar	Fruit	Own use		
	Nakh	<i>Pyrus Spp.</i>	Local	Pvt. / Revenue	Available		Plant	Mar-April	Fruit	Own use		
	Shahtoot	<i>Morus alba</i>						Feb-Mar	Fruit	Own use		
Tree	Jamun	<i>Syzygium cumini</i>	Local	Pvt. / Revenue	Available		Seeds	April	Fruit			
Litchi	<i>Litchi chinensis</i>	Litchi	Culcatta, Dehradun	Tree, Regular Bearing	Plains	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing

**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					
Tree	Kainth	<i>Pyrus pashia</i>	Wild	Revenue/Private Land	Local	Available	Own use	Leaves, fruits	Leaves are used for staining purposes and fruits are edible	Traditional Medicines	-	Self observed
Tree	Draink	<i>Melia azedarach</i>	Wild	Revenue/Private Land	Available	Available	Medicinal	Antioxidant, antianalgesic, antidiabetic	Leaves and Seed	Own use	-	Self observed
Tree	Kamila	<i>Mallotus philippinensis</i>	Wild	Revenue/Private Land	Available	Available	Staining agent	Dying and herbal remedies	Fruit	Own use	-	Self observed
Tree	Karangal	<i>Cassia fistula</i>	Wild	Revenue/Private Land	Available	Available				Own use	-	Self observed
Tree	Amla	<i>Emblica officianalis</i>	Wild	Revenue/Private Land	Available	Available				Own use	-	Self observed
Tree	Katriad	<i>Bauhinia Verigata</i>	Wild	Revenue/Private Land	Available	Available				Own use	-	Self observed
Tree	Flai	<i>Acacia nilotica</i>	Wild	Revenue/Private Land	Available	Available				Own use	-	Self observed



Tree	Jamun	<i>Syzzium cumini</i>	Wild	Revenue/Private Land	Available	Available				Own use	-	Self observed
Tree	Kakar singhi	<i>Pistacia integerrima</i>	Wild	Revenue/Private Land	Available	Available				Own use	-	Self observed
Tree	Arjuna	<i>Terminilia arjuna</i>	Wild	Revenue/Private Land	Available	Available				Own use	-	Self observed
Tree	Retha	<i>Sapindus mukorossi</i>	Wild	Revenue/Private Land	Available	Available				Own use	-	Self observed
Shrub	Bana	<i>Vitex negundu</i>	Wild	Revenue/Private Land	Available	Available	Medicinal and religious	Muscle relaxant, pain relieving	Leaves	Own use	-	Self observed
Shrub	Brainkad	<i>Adhadoda vasica</i>	Wild	Revenue/Private Land	Available	Available	Medicinal and traditional	Treatment of bronchitis, cough and cold	Stem, flower and leaves	Own use	-	Self observed
Shrub	Lal Gandila	<i>Nerium indicum</i>	Wild	Revenue/Private Land	Available	Available	Medicinal	Medicinal properties like anthelmintic, diuretic, cardio tonic, anti cancer	Roots, leaves and bark	Own use	-	Self observed
Shrub	Kewda	<i>Agave americans</i>	Wild	Revenue/Private Land	Available	Available	Medicinal	Medicinal properties	Whole plant	Own use	-	Self observed
Shrub	Aloe vera	<i>Aloe vera</i>	Wild	Revenue/Private Land	Available	Available	Medicinal	Medicinal properties	Whole plant	Own use	-	Self observed
Shrub	Barrains	<i>Acorus Calamus</i>	Wild	Revenue/Private Land	Available	Available	Medicinal					
Herb	Kins	<i>Dioseoria Deltoidea</i>	Wild	Revenue/Private Land	Available	Available	Medicinal					
Herb	Bhang	<i>Cannabis Sativa</i>	Wild	Revenue/Private Land	Available	Available	Medicinal					

Herb	Brahmni Butti	<i>Centella Asiastica</i>	Wild	Revenue/Private Land	Available	Available	Medicinal					
Herb	Kadi Pata	<i>Murraya koenigii</i>	Wild	Revenue/Private Land	Available	Available	Medicinal	Antibacterial, antidiabetic	Leaves	Own use	-	Self observed
Climber	Geloy	<i>Tinospora cardifolia</i>	Wild	Revenue/Private Land	Available	Available	Medicinal	Used to treat diabities, hifh colestrol, allergy, upset stomach, gout	Stem, branches	Own use	-	Self observed
Climber	Mlungad	<i>Bauhinia vahlliwight</i>	Wild	Revenue/Private Land	Available	Available	Medicinal	Antibacterial, antidiabetic, analgesic, anti-inflammatory	Leaves,Stem	Market/Own use	-	Self observed



**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					
Tree	Shisham	Dalbergia sissoo	Sub-tropical	Available	Available	-	Wood used for Furniture and agricultural equipments	Medicinal	-	Self Observed
Tree	Kalasree	Albizia lebbeck	Sub-tropical	Available	Available	-	Wood used for Furniture	-	-	Self Observed
Tree	Tunu	Toona ciliata	Sub-tropical	Available	Available	-	Wood used for Furniture	Medicinal	-	Self Observed
Tree	Toot	Morus serrata	Sub-tropical	Available	Available	-	Wood used for Furniture	Medicinal	Fruits are edible	Self Observed
Tree	Draink	Melia azedarach	Sub-tropical	Available	Available	-	Wood used for Furniture	Medicinal	-	Self Observed



**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>Bosindicus</i>	Local	Humped	Semiintensive	Large	Less	Milk	Milk good for brain	Nil	Ghee, curd,Butter, kaladi,cheese	Farmer
	Jersey	<i>Bos Taurus</i>	Jersey Hybrid	Humpless	Stallfed	Less	Large	drought milk	Milk good for brain	Yes	Ghee, curd,Butter, kaladi,cheese	Farmer
	HF	<i>Bos Taurus</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
OX	Beal	<i>Bosindicus</i>	Local/Hybrid	Humped	Semiintensive	Large	Less		Ploughing	No	Ploughing, carting	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,shepher d
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	Indivial horse owner
Mule	Khachar	-	Local	-	Domesticated	Available	Available	Drought	-	-	drought	Mule Owner

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					
<b>Panchayat Barta</b>												
Carp	1. 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.
	2. Mrigal	<i>Cirrhinus mrigla</i>										
	3. Catla	<i>Catla catla</i>										
	4. Common Carp	<i>Cyprinus carpio</i>	Exotic Carps									
	5. Grass Carp	<i>Ctenopharyngodon idella</i>										
	6. Silver Carp	<i>Hypothalmichthys Molitrix</i>										







**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	Kala Siris	<i>Albizia lebbbeck</i>	Local		
2	Simlu	<i>Berberis lyceum</i>	Local		
3	Jamun	<i>Syzygium cumini</i>	Local		
4	Toot	<i>Morus alba</i>	Local		
5	Drankh	<i>Melia azedarach</i>	Local		
6	Shisham	<i>Dalbergia sissoo</i>	Local		
7	Tuni	<i>Toona ciliata</i>	Local		

### Format 20: Aquatic Biodiversity

1	2	3	4	5	6		7	8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local Status		Uses	Associated TK	Other details	Community/ Knowledge Holder
					Past	Present				
<b>Panchayat Barta</b>										
Mahseer	<i>Tor pitutora</i>	Wild, Fresh Water.	Bony, Fresh Water	Fresh water Streams & Rivers.	All Fish species were available.	Mahaseer is now a days is reported very few in catch.	Human Food Fish. Sport Fish (Mahaser and Trout)	Yes	<b>Mode of Catching Fish:-</b> Cast Net, Fishing Rod and Hook line.  <b>Breeding Time:-</b> Breeds in Monsoon season.	Yes, Among Fishermen and Angling Community.
Keadie/Khrot	<i>Labeo spp.</i>									
Gauns	<i>Bagarius spp.</i>									
Channa	<i>Channa spp.</i>									
Fresh Water eel	<i>Mastacembelus spp.</i>									

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

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Aak	<i>Ipomea carnea</i>	Wild	Used as firewood, Medicinal Value, Bicompost.	
2	Duck Weed	<i>Lemna minor</i>	Wild	Source of food for aquatic water fowl, Animal Fodder, Waste water nutrients recovery.	
3	Bariyan	<i>Acorus spp.</i>	Wild	Has medicinal value	

### 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					
	Kamila	<i>Mallotus philippensis</i>		Revenue/Pvt			Medicinal				
	Flai	<i>Acacia Modesta</i>		Revenue/Pvt			Medicinal				
	Jamun	<i>Syzygium cumini</i>		Revenue/Pvt			Medicinal				
	Akk Datura	<i>Calotropis procera</i>		Revenue/Pvt			Medicinal				
	Retha	<i>Sapindus Mukorossii</i>		Revenue/Pvt			Medicinal				
	Bana	<i>Vitex negundo</i>		Revenue/Pvt			Medicinal				
Shrubs	Garna	<i>Carissa spinarum</i>		Revenue/Pvt			Medicinal				
	Jungli Pudina	<i>Mentha arvensis L</i>		Revenue/Pvt			Medicinal				
	Kuad Gandal	<i>Aloe barbadensis</i>		Revenue/Pvt			Medicinal				
Shurbs	brankad	<i>Adha toda vesica</i>		Revenue/Pvt			Medicinal				
	Santha	<i>Dodonaea viscosa</i>		Revenue/Pvt			Medicinal				

	Chamber			Revenue/Pvt			Medicinal				
	Drink	<i>Melia azedarach</i>		Revenue/Pvt			Medicinal				
	Tooth	<i>Morus alba</i>		Revenue/Pvt			Medicinal				
	Brahmi buti	<i>Centella asiatica</i>		Revenue/Pvt			Medicinal				
	Mlungar	<i>Bouhania Vahllaii</i>		Revenue/Pvt			Medicinal				
	Akk	<i>Ipomea fistulosa</i>		Revenue/Pvt			Medicinal				
	Lal Gandila	<i>Nerium indicum</i>		Revenue/Pvt			Medicinal				
	Jajooli										

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 / Knowledge holder
				Past	Present					
Nil	Nil	Nil	Nil	Nil		Nil	Nil	Nil	Nil	Nil

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
Arjun	<i>Terminalia arjuna</i>				Medicinal use		



**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 sissoo</i>							
Tunu	<i>Toona Ciliata</i>							
Dhaman	<i>Grewia optiva</i>							
Popular	<i>Populus ciliata</i>							
Draink	<i>Melia azedarach</i>							
Jamun	<i>Syzygium cumini</i>							
Kala Siris	<i>Albizia lebbeck</i>							
Safeda	<i>Eucalyptus spp.</i>							
Simbal	<i>Bombax ceiba</i>							
Toot	<i>Morus Alba</i>							







**Format 29: Flora****URBAN BIODIVERSITY**

1	2	3	4	5	6	7
Sr. No.	Local Name	<i>Scientific Name</i>	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	Fagada	<i>Ficus palmata</i>	Tree	Scattered tree found in village area	Mar-Apr	Common
2	Shisham	<i>Dalbergia Sissoo</i>	Tree	Scattered tree found in village area	Feb-Mar	Common
3	Dhaman	<i>Grewia optiva</i>	Tree	Sub-tropical	Oct-Nov	Common
4	Retha	<i>Sapindus mukorossi</i>	Tree	Sub-tropical/Mostly found in villages	Feb-Mar	Common
5	Sehtoot	<i>Morus serrata</i>	Tree	Sub-tropical/Mostly found in villages	Feb-Mar	Common
6	Kalasree	<i>Albizia lebbbeck</i>	Tree	Sub-tropical	Feb-Mar	Common
7	Tunu	<i>Toona ciliata</i>	Tree	Sub-tropical	Feb-Mar	Common
8	Kharak	<i>Celtis australis</i>	Tree	Sub-tropical	Oct-Nov	Common
9	Poplar	<i>Populus ciliata</i>	Tree	Temperate	Oct-Nov	Common
10	Kamilla	<i>Mallotus philippinensis</i>	Tree	Sub-tropical	Feb-Mar	Common
11	Aru	<i>Prunus persica</i>	Tree	Temperate/Scattered tree found in village area	Feb-Mar	Common

12	Gargle	<i>Citron</i>	Tree	Sub-tropical	Feb-Mar	Common
13	Flai	<i>Acacia nilotica</i>	Tree	Sub-tropical	Feb-Mar	Common
14	Jamun	<i>Syzzium cumini</i>	Tree	Sub-tropical	Mar-Apr	Common
15	Draink	<i>Melia azedarach</i>	Tree	Sub-tropical	Nov-Dec	Common
16	Papita	<i>Carica papaya</i>	Tree	Sub-tropical	Feb-Mar	Common
17	Simbal	<i>Bombyx ceiba</i>	Tree	Sub-tropical	Feb-Mar	Common
18	Bael	<i>Aegel marmelos</i>	Tree	Sub-tropical	Feb-Mar	Common
19	Arjuna	<i>Terminilia arjuna</i>	Tree	Sub-tropical	Jan-Feb	Common
20	Retha	<i>Sapindus mukorossi</i>	Tree	Sub-tropical	Jan-Feb	Common
21	Behra	<i>Terminilia bellirica</i>	Tree	Sub-tropical	Jan-Feb	Common
22	Safeda	<i>Eucalyptus globulus</i>	Tree	Sub-tropical	Mar-Apr	Common
23	Bana	<i>Vitex negundu</i>	Shrub	Sub-tropical	Feb-Mar	Common
24	Brainkad	<i>Adhadoda vasica</i>	Shrub	Sub-tropical	Mar-Apr	Common
25	Lal Gandila	<i>Nerium indicum</i>	Shrub	Sub-tropical	Mar-Apr	Common



26	Barrain	<i>Acorus calamus</i>	Herb	Sub-tropical	-	Common
27	Bhang	<i>Cannabis sativa</i>	Herb	Sub-tropical	Oct-Nov	Common
28	Brahmi Butti	<i>Centella asiatica</i>	Herb	Sub-tropical	Mar-Apr	Common
29	Geloy	<i>Tinospora cardifolia</i>	Shrub	Sub-tropical	-	Common
30	Mlungad	<i>Bauhinia vahlii</i>	Shrub	Sub-tropical	Feb-Mar	Common
31	Garna	<i>Carissa spinarum</i>	Shrub	Sub-tropical	Feb-Mar	Common
32	Sentha	<i>Dodonea viscosa</i>	Shrub	Sub-tropical	Feb-Mar	Common
33	Timbru	<i>Zanthoxylum armatum</i>	Shrub	Sub-tropical/ Temperate	Jan-Feb	Common
34	Datura	<i>Datura Inooxa</i>	Shrub	Sub-tropical	Mar-Apr	Common
35	PanjjPhulli	<i>Lantana Camera</i>	Shrub	Sub-tropical	Mar-Apr	Common
36	Lassini	<i>Leucaena Leucocephala</i>	Shrub	Sub-tropical	Mar-Apr	Common
37	Chamber	<i>Artemisia Nilagrica</i>	Shrub	Sub-tropical	-	Common
38	Dassi Aak	<i>Calotropis Procera</i>	Shrub	Sub-tropical	-	Common
39	Jajooli	<i>Mucuna Pruriens</i>	Shrub	Sub-tropical	Oct-Nov	Common

40	Trapparsula	<i>Opuntia vulgris</i>	Shrub	Sub-tropical	Apr-May	Common
41	Kewda	<i>Agave americans</i>	Shrub	Sub-tropical	-	Common
42	Aloe vera	<i>Aloe vera</i>	Shrub	Sub-tropical	-	Common
43	Khabbal	<i>Cyanodon dactylon</i>	Grass	Sub Tropical	-	Common
44	Dilla	<i>Centipedde</i>	Grass	Sub Tropical	-	Common
45	Baru	<i>Sorghum Halepense</i>	Grass	Sub Tropical	-	Common
46	Trumba	<i>Fegopyrum esculentum</i>	Grass	Temperate	-	Common
47	Lamb Kaa		Grass	Sub Tropical	May-June	Common
48	Congress Grass	<i>Parthenium</i>	Herbs	Sub Tropical	-	Common
49	Pudina	<i>Mentha spicata</i>	Herbs	Sub-tropical/ Temperate	-	Common
50	Puthkanda	<i>Achyranthes Aspra</i>	Herbs	Sub-tropical	-	Common
51	Jojra	<i>Pupalia Lappacea</i>	Herbs	Sub-tropical	May-June	Common
52	Dudli Butti	<i>Euphorbia geniculata</i>	Herbs	Sub-tropical	May-June	Common
53	Aak	<i>Ipomoea Carnea</i>	Herbs	Sub-tropical	May-June	Common
54	Kadi Pata	<i>Murraya koenigii</i>	Herbs	Sub-tropical	-	Common

**Format 30: Fauna**

1	2	3	4	5	6
Sr. No.	Local Name	<i>Scientific Name</i>	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
1	Billi	<i>Felis Bengalensis</i>	Mammals	Terrestrial	Common
2	Ged	<i>Canis aureus</i>	Mammals	Terrestrial	Common
3	Ged	<i>Vulpes bengalensis</i>	Mammals	Terrestrial	Common
4	Bandar	<i>Innuus rhesus</i>	Mammals	Arboreal/ Lives near habitation	Common
5	Khadkanu	<i>Lepus nigricollis</i>	Mammals	Terrestrial/ tropical	Common
6	Newla	<i>Herpestes edwarsi</i>	Mammals	Terrestrial, tropical and temperate	Common
7	Sae	<i>Hystrix indica</i>	Mammals	Grassland and mountain	Common
8	Chua	<i>Rattus rattus</i>	Mammals	Temperate, Terrestrial and tropical	Common
9	Chamgadam	<i>Chiroptera</i>	Mammals	Temperate, Terrestrial and tropical	Common
10	Cow	<i>Bos taurus</i>	Mammals	Domestic	Common
11	Buffalo	<i>Babalus bubalis</i>	Mammals	Domestic	Common
12	Goat	<i>Capra aegagrus</i>	Mammals	Domestic	Common
13	Sheep	<i>Ovis aries</i>	Mammals	Domestic	Common
14	Domestic Fowl	<i>Gallus gallus</i>	Mammals	Domestic	Common
15	Horse	<i>Equus caballus</i>	Mammals	Domestic	Common
16	Mule	<i>Equus asinus</i>	Mammals	Domestic	Common

17	Dog	<i>Canis lupus familiaris</i>	Mammals	Domestic	Common
18	Chakoor	<i>Alectoris chukar</i>	Birds	Domestic	Common
19	Kerli	<i>Hemidatylyus frenatus</i>	Reptiles	Wild	Common
20	Khoo	<i>Varauns Bangalensis</i>	Reptiles	Wild	Common
21	Dhaleda	<i>Chamaeleo zeylanicus</i>	Reptiles	Wild	Common
22	Chiri	<i>Passer domesticus</i>	Birds	Temperate/Terrestrial	Common
23	Kaa	<i>Corvus brachyrhynchos</i>	Birds	Temperate/Terrestrial	Common
24	Totaa	<i>Psittacula krameri</i>	Birds	Terrestrial/Freshwater	Common
25	Ell	<i>Gyps bengalensis</i>	Birds	Temperate/Terrestrial	Common
26	Lundhi	<i>Haliaeetus leucocephalus</i>	Birds	Temperate	Common
27	Kabutar	<i>Columba livia</i>	Birds	Arboreal	Common
28	Mor	<i>Pavo cristatus</i>	Birds	Terrestrial, tropical and temperate	Common
29	Gatari	<i>Acridotheres tristis</i>	Birds	Terrestrial, tropical and temperate	Common
30	Bulbul	<i>Pycnonotus leucogenys</i>	Birds	Arboreal	Common
31	Tarkhan	<i>Melanerpes formicivorus</i>	Birds	Arboreal	Common
32	Kala Titar	<i>Melanoperdix niger</i>	Birds	Wild	Common
33	Babbler	<i>Turdoides striata</i>	Birds	Wild	Common
34	Barn swallow	<i>Hirundo rustica</i>	Birds	Terrestrial, tropical and temperate	Common
35	Pinja	<i>Terpsiphone Paradisi</i>	Birds	Wild	Common
36	Mendak	<i>Rana tigrina</i>	Amphibia	Wild	Common
37	Jook	<i>Hirudinea</i>	Amphibia	Wild	Common
38	Sarkeed	<i>Brachyura</i>	Amphibia	Aquatic	Common

39	Songla	<i>Periplaneta americana</i>	Insects	Near Habitation	Common
40	Passfail	<i>Coccinella septumpunctata</i>	Insects	Terrestrial/Temperate	Common
41	Trida	<i>Orthoptera caelifera</i>	Insects	Wild	Common
42	Timba	<i>Anisoptera</i>	Insects	Wild	Common
43	Blister beetle	<i>Mylabris pustulata</i>	Insects	Wild	Common
44	Gilhari	<i>Funabulus Palmarum</i>	Rodent	Wild	Common

**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

**Format 31: Any other information of local importance**

1	2	3
Sr. No.	Information of local importance	Remarks

*End of Part II*