

**People Biodiversity Register (PBR): General Details in Ppt. of Aghar Jitto Block Katra District Reasi**

Name of the Panchayat Samiti : Hutt

Taluk: Katra ,Hutt

District: Reasi

State: J&K

Geographical Area of the Panchayat Samiti: 729.14 HECT

Population under the Panchayat Samiti: Total 2381 (as per 2011 census)

Male: 1270 FEMALE:1111

Habitat and Topography: Hilly Area

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: 26-08-2019

Management Regime: Reserve Forest (RF)/Joint Forest Management(JFM)/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: Jugal kishore
Age: 33
Gender: Male
Address: R/o Vill: Hutt
Area of specialization:
2) Name: Sudershana devi
Age: 55
Gender: FEMALE
Address: R/Ovill: Hutt
Area of specialization:
3)Name:Seema rani
Age: 28
Gender: FEMALE
Address: r/o Hutt
Area of specialization:
4)Name:Rashid Ahmed
Age: 37
Gender: MALE
Address: r/o vill: Hutt
Area of specialization:
5)Name: Rohit Kumar
Age: 29
Gender: MALE
Address: r/oVill: Hutt
Area of specialization:
6)Name:Skheema Sharma
Age: 52
Gender: Female
Address: r/o Vill: Hutt
Area of specialization:
7)Name: Rohit Atri
Age: 29 years
Gender: Male
Address: r/o Reasi
Area of specialization:
8) Name: Sunil Singh
Age: 40 years
Gender: Male
Address: r/o Reasi Sherpur
Area of specialization:

## 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 :

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: 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:

3) 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:

### 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: Sh. Jugal kishore

Age: 33

Gender: Male

Address: r/o Hutt

Area of specialization: Agriculture

2) Name of the Chairperson: Sh. Ragnesh Singh

Age: 43 yrs

Gender: Male

Address: R/o Hutt

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: NIL

Name and Address:

2) Contact Person: NIL

Name and Address:

3) Contact Person: NIL

Name and Address:

4) Contact Person: NIL

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>
			<b>Resolution no. 29 Dt: 25/10/19 pyt-Dhakikote</b>		
			<b>Resolution no. 30 Dt: 26/10/19 pyt-Narkote</b>		
			<b>Resolution no. 30 Dt: 28/10/19 pyt-Thub</b>		
			<b>Resolution no. 24 Dt: 26/10/19 pyt-Jij - A</b>		
			<b>Resolution no. 34 Dt: 28/10/19 pyt-Jij - B</b>		
			<b>Resolution no. 41 Dt: 27/10/19 pyt-Gari</b>		
			<b>Resolution no. 23 Dt: 25/10/19 pyt-Narkote</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							
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

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.





Woody Tree	<i>Pidium guajava</i>	Amrood								
Woody Tree	<i>Citrus aurantifolia</i>	Nimboo								
Tree	<i>Malus domestica</i>	Apple								
	<i>Eriobotrya japonica</i>	Loquat								
Banana	<i>Musa paradisica</i>	Kela								

### Format 3: Fodder Crops / Species

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					
<b>Dub Grass</b>	<i>Cynodon - dactylon</i>	Dub Grass	Rabi/ Kharif		Hilly	abundant	abundant	Fooder	Mechanical, Chemical	-	Agri. & wasteLand	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					
<b>Dub Grass</b>	<i>Cynodon - dactylon</i>	Dub Grass	Rabi/ Kharif		Hilly	abundant	abundant	Fooder	Mechanical, Chemical	-	Agri. & wasteLand	Farmers

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>Ratus melta</i>	Chouha	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Monkey	<i>Rhesus macaque</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

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
Name of the market & location	Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]	Types of animals bought and sold [2]	Types and Average Number of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish
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)

### 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
Hindu, Muslim	Agriculture, Farming	Labourer	Terrain	Grass and firewood	Natural regeneration		ST- 100	Normal	Permanent except Bakerwal Community	200
							Sc-500			
							OBC-200			
							Gen - 500			

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	Feature s 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			Forest		Private and forest	Local broad leaves species	Cattle	Local resident	Crop rotation, Multiple cropping,traccing	Farming			Hindu ,Muslim

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
Waterscape element type	Sub-type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Stream	Puna nallha	Irrigation	State / forest						Drinking			Locals

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 loamy and with clay	Light yellow to reddish .	Small particle size compact water and dense.	Provide good drainage ,organic manure in the form of compost.	Wheat , maize.	Ornamental grass, plants with evergreen leaves.		Soil is good for wild varieties of crops.

**Format-11: FRUIT TREES DOMESTICATED BIODIVERSITY**

1	2	3	4	5	6	7		8	9	10	11	12	13
S. No.	Plant Type	Local Name	Scientific Name	Variety	Landscape/Habitat	Local status		Source of Seeds/ Plants	Season of Fruiting	Uses (usages)	Associated TK	Other details maret/ own use	Community/ knowledge holder
						Past	Present						
1	Woody Tree	Amb	<i>Mangifera indica</i>	Local, Dashehari, Malda, Amrapali, Mallika, Langra, Swarn Rekha, Chausa, Fazli, Totapuri, Ramkila, Baramasi.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to August	Sucking, table, processing	Record available in old books.	Own uses and sold in market	Popular in local population.
2	Woody Tree	Lychee	<i>Litchi chinensis</i>	Dehradun, Calcutti, Seedless, Rose Scented	Sub-tropical	Good	Good	Layered plants.	March to July	Table and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
3	Woody Tree	Amrood	<i>Psidium guajava</i>	Local, Allahbad, Sardar, Lalit, Arka Amulaya, Sheveta, Punjab Pink	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to August, Dec. To January	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
4	Climber	Angoor	<i>Vitis vinifera</i>	Local, Perllet, Beauty Seedless	Sub-tropical	Good	Good	Cuttings	Feb. To June	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
5	Woody Tree	Amla	<i>Emblica officinalis</i>	Local, Banarsi, Neelam, NA 7.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to Nov.	Processing	Record available in old books.	Own uses and sold in market	Popular in local population.
6	Woody Tree	Mosammi	<i>Citrus sinensis</i>	Mosambi, Jaffa, Red Blood	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
7	Woody Tree	Sangtra	<i>Citrus reticulata</i>	Kinnow, Sangtra	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record available in old books.	Own uses and sold in market	Popular in local population.

8	Woody Tree	Nimboo	<i>Citrus aurantifolia</i>	Local, Kagzi, Italian, Eureka	Sub-tropical	Good	Good	Grafted Plants	March to Oct.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
9	Woody Tree	Galgal	<i>Citrus limon</i>	Local	Sub-tropical	Good	Good	Seedling andn Grafted Plants	March to Sept.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
10	Woody Tree	Kimb	<i>Citrus medica</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
11	Woody Tree	Jamiri	<i>Citrus jambhiri</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Oct.	Processing, root stock	Record available in old books.	Own uses and sold in market	Popular in local population.
12	Woody Tree	Ber	<i>Zizyphus mauritiana</i>	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted Plants	March to Nov.	Table purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
13	Woody Tree	Phowari Ber	<i>Zizyphus jujuba</i>	Local	Sub-tropical	Good	Good	Seedlings	March to Nov.	Table purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
14	Woody Tree	Jamun	<i>Syzygium cumini</i>	Local	Sub-tropical	Good	Good	Seedlings and Grafted	March to July	Processing	Record available in old books.	Own uses and sold in market	Popular in local population.
15	Woody Tree	Anar	<i>Punica granatum</i>	Local, Ganesh, Kandhari,	Sub-tropical	Good	Good	Cuttings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.
16	Woody Tree	Lasooda	<i>Cordia myxa</i>	Local	Sub-tropical	Good	Good	Seedlings	March to June	Processing purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
17	Bush	Gerna	<i>Carissa carandas</i>	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.

18	Woody Tree	Bill	<i>Aegle marmelos</i>	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.
19	Woody Tree	Seb	<i>Malus X domestica</i>	Summer apple	Sub-tropical	...	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
20	Woody Tree	Nakh	<i>Pyrus communis</i>	Pathar Nakh	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
21	Woody Tree	Aru	<i>Prunus persica</i>	Local, Sun Red, Florida Sun	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
22	Woody Tree	Aloocha	<i>Prunus saliciana</i>	Kala Amritsari, Alucha	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
23	Herb	Strawberry	<i>Fragaria x ananassa</i>	Chandler	Sub-tropical	Good	Good	Plant Runners	Mach to May	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
24	Woody Tree	Shahtoot	<i>Morus alba</i>	Local, China	Sub-tropical	Good	Good	Cuttings	March to July	Table purposes, rearing Silkworms.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
25	Soft Tree	Papita	<i>Carica papaya</i>	Local Red Lady, Pusa Nana	Sub-tropical	Good	Good	Seedlings and hybrids	March to Nov.	Table purposes.	Record available in old books.	Own uses and sold in market	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	Bhang	<i>Cannabis sativa</i>	wild	Subtropical	Natural	Available	Available	Cough	Leaves		Own use/Market	Self observed
Herbs	Phagora	<i>Ficus palmata</i>	wild	Subtropical	Natural	Available	Available	Medicinal usage	Fruits		Own use/Market	Self observed
Herbs	Timbru	<i>Zanthoxylum alatum</i>	wild	Subtropical	Natural	Available	Available	Medicinal usage	Oil		Own use/Market	Self observed
	Gadbal											
Shurbs	Brankad	<i>Adhatoda vasica</i>										
Trees	Retha	<i>Sapindus Mukorossii</i>										

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/ Knowledge Holder
Bushes/	Kaner	Thevetia peruviana		Nurseries	Non commercial	Ornamental/ Landscaping	Fevers	Flower most of the year	Floriculturists/ Nurserymen /Gardeners
Bushes/	Bottle Brush	Callistemmon spp.		Nurseries	Non commercial	Ornamental/ Landscaping	Theraputic uses	Foilage and flowers	Floriculturists/ Nurserymen /Gardeners
Bushes/	Hibiscus	Hibiscus rosinensis		Nurseries	Non commercial	Ornamental/ Landscaping	Used in fever, constipation	Flower throughout the year	Floriculturists/ Nurserymen /Gardeners
Bushes/	Motia	Jasminum sambac		Nurseries	Non commercial	Ornamental/ Landscaping	Used in Hepatitis, dysentery	Flower throughout the year	Floriculturists/ Nurserymen /Gardeners
Pot Plants	Agave	Agave angustifolia		Nurseries	Non commercial	Ornamental/ Landscaping	Traditional medicines	Succulent	Floriculturists/ Nurserymen /Gardeners

**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	Chir	<i>Pinus roxburghii</i>	Subtropical	Available	Available	House Constt.	All Parts			Self Observed
Tree	Safeda	<i>Populous deltoidea</i>	Subtropical	Available	Available	House Constt.	All Parts			Self Observed
Tree	Toot	<i>Morus serrata</i>	Subtropical	Available	Available	House Constt.	All Parts			Self Observed
Tree	Shisham	<i>Dalbergia sissoo</i>	Subtropical	Available	Available	House Constt.	All Parts			Self Observed
Trees	Khair	<i>Acacia catechu</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	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					
Sheep	Bhed	Ovis aries	Local	small size, rough coat	Flock rearing	Least concern	Least concern	mutton, wool, manure	Yes	Yes	Bones, skin and gutt	Locals and nomads
Sheep	Bhed	Ovis aries	Rambouillet cross	large size, fine wool	do	do	do	do	do	do	do	do
Goat	Bakri	Capra hirus	Local	small size, low body weight	Flock rearing	Least concern	Least concern	Chevon, hair, manure	do	do	do	do
Goat	do	do	Beetal	large size, high body weight	do	do	do	do	do	do	do	do
Goat	do	do	Kaghani	do	do	do	do	do	do	do	do	do
Cow		<i>Bosindicus</i>										
Hen		<i>Gallus gallus domesticus</i>										

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					
Indian Major Carps	Catla	<i>Catla catla</i>	IMC	Catla is a fish with large and broad head, a large protruding lower jaw and upturned mouth. It has large, greyish scales on dorsal side and whitish on belly.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Indian Major Carps	Rohu	<i>Labeo rohita</i>	IMC	Herbivorous, its dorsal profile more convex than ventral, body with scales, head without scales, column to bottom feeder, mouth small and inferior with fringed lower lip. Cultured mostly in plain areas.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Indian Major Carps	Mrigal	<i>Cirrhinus mrigala</i>	IMC	Omnivorous, bilaterally symmetrical and streamlined, head and snout devoid of scales, mouth inferior, barbels absent, cultured mostly in plain areas.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Exotic Carps	Common Carp	<i>Cyprinus carpio</i>	Exotic Carp/ Scale Carp	Omnivorous, body laterally compressed two pair of barbels, dorsal fin long, protrudible mouth and lips are extended like a short tube for sucking up food, hardy in nature.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community

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	Chir	<i>Pinus roxburghii</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Probleme	Medicinal Use	Self observed
Tree	Khair	<i>Accacia catechu</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits		Medicinal Use	Self observed
Tree	Bour	<i>Ficus benghalensis</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Koakoa	<i>Flacourita indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Daronkal	<i>Murraya koenigii</i>	Tree	Sub -tropical	Available	Available	Own Use	leaves			Self observed
Shrub	Garna	<i>Carissa spinarum</i>	Shrubs	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Sub -tropical	Available	Available	Own Use	fruits/wood	Used for Diabetes		Self observed
Tree	Kambal	<i>Lannea coromandlica</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Kamla	<i>Mallotus philippennis</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Khair	<i>Acacia catechu</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Krongal	<i>Cassia fistula</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Lucenia	<i>Leucaenia spp</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Plah	<i>Butea monosperma</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Phulai	<i>Acacia modesta</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	panasara	<i>Wendlandia spp</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Shrub	Santa	<i>Dodonaea viscosa</i>	Shrubs	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	sarri	<i>Albezzia spp</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed

Tree	Talli	<i>Dalbergia sissoo</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Thub/Dudhruk	<i>Erythrina spp.</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Chuindi	<i>Xylosma lingifolium</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Dhaman	<i>Grewia optiva</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Charmod	<i>Ehretia spp.</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Badh	<i>Ficus religiosa</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Behra	<i>Terminalia bellerica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Bilan	<i>Aegle marmelos</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Gandila	<i>Nerium oleander</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Gulmorh	<i>Delonix regia</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Oanni	<i>Lyonia ovalifolia</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Rumble	<i>Ficus recemosa</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Draink	<i>Melia azadirach</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves/Wood			Self observed
Tree	Harad	<i>Terminalia chebula</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Amb	<i>Mangifera indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Soyanjana	<i>Moringa oleifera</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Tunnu	<i>Toona ciliata</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Neem	<i>Azadirachta indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Plakh	<i>Ficus virens</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves/Wood			Self observed
Tree	Lasura	<i>Cordia myxa</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Kassod	<i>Senna siamea</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Shrub	Branked	<i>Justicea adhatoda</i>	Shrubs	Sub -tropical	Available	Available	Own Use	Leaves			Self observed
Tree	Imli	<i>Tamarandis indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Cribul		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed

Tree	Kurri		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Narsino		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Pandal		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Rala		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Tai		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Salag		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Karmroo		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Khro		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Gagerada		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Kamkam		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Kangi		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Kenye/Kenyo		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Gamai		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Kalam/Kalen		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Khajoor		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed

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

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Ratti	<i>Abrus precatoris</i>	Wild	Social and Economic	Available
2	Khair	<i>Acacia catechu</i>	Wild	Social and Economic	Available
4	Kikkar	<i>Acacia nilotia</i>	Wild	Social and Economic	Available
5	Parkanda	<i>Achyranthes aspera</i>	Wild	Social and Economic	Available
6	Bael	<i>Aegle marmelos</i>	Wild	Social and Economic	Available
7	Nuriya	<i>Aerva sanguinolenta</i>	Wild	Social and Economic	Available
8	Rambana	<i>Agave americana</i>	Wild	Social and Economic	Available
	safed Siris	<i>Albizzia procera</i>	Wild	Social and Economic	Available
9	kala siris	<i>Albizzia lebbeck</i>	Wild	Social and Economic	Available
10	Kuad Gandal	<i>Aloe barbandensis</i>	Wild	Social and Economic	Available
11	Nad	<i>Arundo donax</i>	Wild	Social and Economic	Available
12	Seski	<i>Artemisia parviflora</i>	Wild	Social and Economic	Available
13	Kathal	<i>Artocarpus heterophyllus</i>	Wild	Social and Economic	Available
14	Chaleri Saag	<i>Amaranthus viridis</i>	Wild	Social and Economic	Available
15	Neem	<i>Azadirachta indica</i>	Wild	Social and Economic	Available
16	bamboo	<i>Bambusa bamboos</i>	Wild	Social and Economic	Available
17		<i>Bambusa nutans</i>	Wild	Social and Economic	Available
18	Baloongar	<i>Bahunia vahlii</i>	Wild	Social and Economic	Available
20	kachnar	<i>Bahunia variegata</i>	Wild	Social and Economic	Available
21	Simbal	<i>Bombax ceiba</i>	Wild	Social and Economic	Available
22	Jungli toot	<i>Broussonetia papyrifera</i>	Wild	Social and Economic	Available

23	Plaah	<i>Butea monosperma</i>	Wild	Social and Economic	Available
24	Bhang	<i>Cannabis sativa</i>	Wild	Social and Economic	Available
26	Kringal	<i>Cassia fistula</i>	Wild	Social and Economic	Available
39	Tali	<i>Dalbergia sissoo</i>	Wild	Social and Economic	Available
40	Dhatura	<i>Datura stramonium</i>	Wild	Social and Economic	Available
41	Baans	<i>Dendrocalmus</i>	Wild	Social and Economic	Available
45		<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
46		<i>Dicliptera bupleurooides</i>	Wild	Social and Economic	Available
47		<i>Dioscorea melanophyma</i>	Wild	Social and Economic	Available
48	Santha	<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
53	safeda	<i>Ecalyptus teretcornis</i>	Wild	Social and Economic	Available
54	Hybrid safeda	<i>Eulaliopsis binata</i>	Wild	Social and Economic	Available
56	Trimbal	<i>Ficus auriculata</i>	Wild	Social and Economic	Available
57	Bohr	<i>Ficus benghalensis</i>	Wild	Social and Economic	Available
58	Peepal	<i>Ficus religiosa</i>	Wild	Social and Economic	Available
59	Kakoa	<i>Flacourtia indica</i>	Wild	Social and Economic	Available
65	Chameli	<i>jasminum officinale</i>	Wild	Social and Economic	Available
66	Ratanjot	<i>Jatropha curcas</i>	Wild	Social and Economic	Available
67	Brenker	<i>Justicia adhatoda</i>	Wild	Social and Economic	Available
68	Kemal	<i>lannea coromandelica</i>	Wild	Social and Economic	Available
73	Aam	<i>Magnifera indica</i>	Wild	Social and Economic	Available
74	drehnk	<i>Melia azedarach</i>	Wild	Social and Economic	Available
76	Toot	<i>Morus alba</i>	Wild	Social and Economic	Available
77	Drenkri	<i>Murraya koenigiffi</i>	Wild	Social and Economic	Available
78	gandila	<i>Nerium oleander</i>	Wild	Social and Economic	Available
80	Chitter	<i>Cuspidata</i>	Wild	Social and Economic	Available
81		<i>Opuntia elator</i>	Wild	Social and Economic	Available

82	tetar	<i>Oroxylum indicum</i>	Wild	Social and Economic	Available
84	Deena nath grass	<i>Pennisetum pedicellatum</i>	Wild	Social and Economic	Available
86	Kahjoor	<i>Phoenix sylvestris</i>	Wild	Social and Economic	Available
87	Amla	<i>Phyllanthus emblica</i>	Wild	Social and Economic	Available
88	Chir	<i>Pinus roxburghii</i>	Wild	Social and Economic	Available
89	Jojra	<i>Puplia lappacea</i>	Wild	Social and Economic	Available
90		<i>Reinwarddtia indica</i>	Wild	Social and Economic	Available
91		<i>Ricinus hastatus</i>	Wild	Social and Economic	Available
92		<i>Saccharum bengalense</i>	Wild	Social and Economic	Available
93		<i>Saccharum spontaneum</i>	Wild	Social and Economic	Available
94	basant panchmi	<i>Sapindus mukorossi</i>	Wild	Social and Economic	Available



### 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				
Mashli	Schizothorax richardsonii		Soft Water	Available	Available	Food				Self observed
Daddu	Bufo bufo		Water	Available	Available					Self observed
Juke			Water	Available	Available					Self observed
Snake	Serpentes suppes		Water	Available	Available					Self observed

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

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

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Sl. No.</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Variety</b>	<b>Importance</b>	<b>Trends</b>
1	Algae	Wild	Chlorophyta	Minerals and vitamins	
2	Barian	Wild	Acorus calamus	Antiflatulent	

### 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	Bhang	<i>Cannabis sativa</i>	wild	Subtropical	Available	Available	Cough	Leaves			Self observed
Tree	Timbru	<i>Zanthoxylum alatum</i>	wild	Subtropical	Available	Available	medicinal	All parts			Self observed
Tree	Pudina	<i>Mantha arvenses</i>	wild	Subtropical	Available	Available	Spices	Leaves			Self observed
Tree	Gucchi	<i>Morchella esulentum</i>	wild	Subtropical	Available	Available	Medicinal usage	All parts			Self observed
Tree	Phagora	<i>Ficus palmata</i>	wild	Subtropical	Available	Available	Medicinal usage	Fruits			Self observed

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					
Gucchi	<i>Morchella esulenta</i>	Mushroom	wild	Available	Available	Veg.	All parts			Self observed
Jungli Pudina	<i>Mantha arvenses</i>	Pudina	wild	Available	Available	Spices	Leaves			Self observed

**Format 24: Ornamental Plants**

1	2	3	4	5	6		7	8	9	10
Scientific Name	Local Name	Variety	Habitat/Landscape	Source of plant/seed	Local Status		Uses	Associated TK	Other details	Community/ Know. Holder
					Past	Present				
<i>Rosa acicularis</i>	Wild Rose	Wild	Sub Tropical	Natural	Avaiable	Available	Non Commerical			Self-observed

**Format 25: Fumigate / Chewing Plants**

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Scientific Name	Local Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
Herbs	Cannabis sativa	Bhang	wild	Subtropical	Available	Available	Cough	Leaves			Self observed
Shrubs	Zanthoxylum alatum	Timbru	wild	Subtropical	Available	Available	Medicinal usage	All parts			Self observed
Trees	Acacia catechu	Khair	wild	Subtropical	Available	Available	Medicinal usage	All parts			Self observed

**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				
Chir	<i>Pinus roxburghii</i>	Subtropical	Available	Available	Timber	House Constt.		Self Observed
Safeda	<i>Populous deltoidea</i>	Subtropical	Available	Available	Timber	House Constt.		Self Observed
Toot	<i>Morus serrata</i>	Subtropical	Available	Available	Timber	Furniture		Self Observed
Shisham	<i>Dalbergia sissoo</i>	Subtropical	Available	Available	Timber	House Constt.		Self Observed







**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					
Mmammels	Chitra	Panther pardus	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Bander	Macaca fascicularis	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Jungle bili	Felis chaus	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Fox	Canis latrans	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Navla	Herpestes edwrdsii	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Chidya	Passer domesticus	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Birds	kabutar	columbidae	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Birds	Tota	Melopistta undulatus	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Reptile	Snake	serpentes	Sub Tropical		All Season (except wintter)	Available	Available		Banened		Self -observed	
Insect	Mosquito	Culicidae spps	Sub Tropical		Summer season	Available	Available		Banened		Self -observed	
Insect	Honey bee	Anthophila	Sub Tropical		All Season (except wintter)	Available	Available		Banened		Self -observed	

**Format 29: FLORA URBAN BIODIVERSITY**

1	2	3	4	5	6	7	
S.No.	Local Name	Scientific Name	Type of Plant	Habitat	Flowering Season	Rare/Common	Remarks (Rare / Common etc.)
1.	Gutta	Tagetes patula	Herbs Seasonals	Terrestrial/Subtropical	Grows round the year	Common	
2.	Gulab	Rosa spp	Herbs Seasonals	Terrestrial/Subtropical	Perennial flower	Common	
3.	Guldaudi	Chrysanthemum spp.	Herbs Seasonals	Terrestrial/Subtropical	Winter flower	Common	

**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

**Format 30: Fauna**

1	2	3	4	5	6
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
1	Cow.	Bos indicus	Mammal	Terrestrial	Common
2	Jersey.	Bos taurus	Mammal	Terrestrial	Common
4	Buffalo.	Bubalus bubalis	Mammal	Terrestrial	Common
5	Poultry Birds.	Gallus domesticus	Mammal	Terrestrial/Arial	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

<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>
1		

*End of Part II*