

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti:- Mantalai

Taluk: Chanani

District: Udhampur

State / UT: Jammu & Kashmir

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total: 2230

Male : 1200

Female : 1020

Habitat and Topography: Hilly

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

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

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

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

1) Name of the Chairperson: Krishan Lal S/o Shiv Nath (ST)

Age: 65

Gender: Male

Address: Mantalai

Area of specialization:

2) Name: Prem nath S/o chandu (OC)

Age: 70

Gender: Male

Address: Mantalai

Area of specialization:

3) Name:

Age:

Gender:

Address:

Area of specialization:

4) Name: Abdul Gani S/o Aziz Din (OC)

Age: 62

Gender: Male

Address: Mantalai

Area of specialization:

5) Name: Premu S/o Tuddo (SC)

Age: 68

Gender: Male

Address: Mantalai

Area of specialization:

6) Name: Waziran begum W/o Abdullah (OC)

Age: 62

Gender: Female

Address: Mantalai

Area of specialization:

7) Name: Sabra Bibi W/o Ismail (ST)

Age: 60

Gender: Female

Address: Mantalai

Area of specialization:

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

1) Name : Madanlal s/o Ragu nath

Age: 62 yrs

Gender: Male

Address: R/o Mantalai ward no: 4

Area of specialization: Piles

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name: Ali Mohed s/o Bhadar Din

Age: 45 years

Gender: Male

Address: R/o Mantali ward no-: 07

Area of specialization: (ortho - Bones)

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

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

1) Name of the Chairperson: Krishan lal s/o Luxman Dass

Age: 65 years

Gender: Male

Address: R/o Mantalai

Area of specialization: (forestry)

2) Name of the Chairperson: Rattan lal s/o Luxman Dass

Age:62 years

Gender: Male

Address:R/o Mantalai

Area of specialization: Agriculture

3) Name of the Chairperson:Biswah nath s/o Bhaghat Ram

Age: 80 years

Gender:Male

Address: R/o Mantalai ward no: 03

Area of specialization:horticulture

4) Name of the Chairperson:Suram chand s/o Luxman Dass

Age:70 years

Gender:Male

Address:R/o Mantalai

Area of specialization: horticulture

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

1) Contact Person: 9149507153

Name and Address:yash paul s/o Romesh chander R/o Mantalai

2) Contact Person:7051929480

Name and Address:Abdul gani s/o Aziz Din R/o Mantalai ward no- 4

3) Contact Person:6006350854

Name and Address:Bansi lal s/o Roop chand R/o Mantali ward no-5

4) Contact Person:

Name and Address:

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

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

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

End of Part I

Format 2: Fruit Plants												
1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Apricot	<i>Prunus armeniaca</i>	Khobani	Improved	Hilly	Sufficient		Department/ Locals	Summer	-	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
Grapes	<i>Vitis Vinifera</i>											
Loquat	<i>Eriobotrya japonica</i>											

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
				Past	Present					
Sorghum	<i>Sorghum spp.</i>	Cherri	Hilly	Abundant	Abundant	Farmers / Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Maize	<i>Zea mays</i>	Makki	Hilly	Abundant	Abundant	Farmers / Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Bajra	<i>Pennisetum americanum</i>	Bajra	Hilly	Abundant	Abundant	Farmers / Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers

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>	Jangli Javi	Oats		Hilly	Abundant	Abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers
Wild Rice	<i>Echinochloa colona</i>	Swanki	Paddy		Hilly	Abundant	Abundant	Fooder	Above ground parts	-	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>Rattus meltda</i>	Chouha	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

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 1560	Farming	Labour					Rajput/ Brahmin			385
Muslim 670	Farming	Labour					Gujjar/ Bakarwal			152
2230										

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	Fallw 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/ Forest Land		Govt/Private	Wild Plants / Weeds/ Grasses	Insect	-	-	Fooder	Medicinal, Traditional, Religious.	-	Self Observed

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	-	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

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

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						
Apricot	Khobani	<i>Prunus armeniaca</i>	Improved	Hilly	Sufficient		Department/ Locals	Summer	Income Source	-	Market/Own	Department/ Local
Walnut	Khode	<i>Juglans regia</i>	Normal	Hilly	Sufficient		Department/ Locals	Summer	Income Source	-	Market/Own	Department/ Local
Peach	Adu	<i>Prunus persica</i>	Improved / Local	Hilly	Sufficient		Department/ Locals	Summer	Income Source	-	Market/Own	Department/ Local
Guava	amrood	<i>Psidium guajava</i>										
Quince		<i>Cydonia oblonga</i>										
Kimb		<i>Citrus medica</i>										

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	Akhrot	<i>Juglans regia</i>	Local	Temperate	Cultivated	Available	Available	Teeth and gum Disease	Leaves	Unknown	Leaves used for brushing teeth	Self observed
Herb	Bhang	<i>Cannabis sativa</i>	Wild/ Local	Lowland valley	Naturally Grown	Available	Available	Cure fever, dysentery sunstroke and give alertness to the body	Leaves	Unknown	Own use	Self observed
Herb	Pudina	<i>Mentha spicata</i>	Local	Lowland valley	Naturally Grown/ Cultivated	Available	Available	Antiviral, antibacterial, anti-inflammatory	Leaves	Unknown	Own use	Self observed
Herb	Methi	<i>Trigonella foenum-graecum</i>	Local	Lowland valley	Cultivated	Available	Available	Balance cholestrol, maintain liver and health	Seeds	Unknown	Own use	Self observed
Herb	Dhania	<i>Coriandrum sativum</i>	Local		Cultivated	Available	Available	Digestion problems	Leaves, Seeds	Unknown	Own use	Self observed
Herb	Pyaz	<i>Allium cepa</i>	Local	Lowland valley	Cultivated	Available	Available	Used for cold and cough	Roots	Unknown	Own use/ Market value	Self observed
Herb	Lahusan	<i>Allium sativum</i>	Local	Lowland valley	Cultivated	Available	Available	Highly nutritious, Combat sickness, reduces blodd pressure etc.	Roots	The latex of the plant heal wounds	Own use/ Market value	Self observed

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					
Shrub	Tulsi	<i>Ocimum sanctum</i>	Local	Lowland valley	Cultivated	Available	Available	Antioxidant, antiaging, treats Kidney stones, Relieves fever	Leaves	Unknown	Own use	Self observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Wild	Forest	Naturally Grown	Available	Available	Disinfectant and antiseptic	Seeds and branches	Unknown	Own use	Self observed
Shrub/Tree	Druni	<i>Punica granatum</i>	Wild/ Local	Lowland valley	Naturally Grown	Available	Available	Superfood, antioxidant	Fruit	Medicinal and flavouring agent	Own use	Self observed

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
	Gulab	<i>Rosa indica</i>							
	Gutii	<i>Tagetes spp.</i>							
	Saroo	<i>Thuja Occidentalis</i>							
	Bottle brush	<i>Callistemmon spp.</i>							
	Aleovera	<i>Aloe barbadensis</i>							
	Dalia	<i>Dahlia hortensis</i>							

	Ashoka Tree	<i>Saraca asoca</i>							
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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/ta lao)	Local status		Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
						Past	Present					
-	-	-	-	-	-	-	-	-	-	-	-	-

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

WILD BIODIVERSITY

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

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Akhrot	<i>Juglans regia</i>	Tree	Scattered tree around the village area	Available	Available	Own use	Fruit, bark, Stem	Fruits-Dry fruit, Bark- Used for brushing teeth, Stem-Timber value	Medicinal value	Self Observed
Tree	Aloobukhara	<i>Prunus bokharensis.</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Apple	<i>Malus domestica</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Medicinal value	Self Observed
Tree	Banj	<i>Quercus leucotrichophora</i>	Tree	Temperate	Available	Available	Own use	Leaves	Fodder	Unknown	Self Observed
Tree	Champ	<i>Alnus nepalensis</i>	Tree		Available	Available	Own use	Stem	Timber value	Unknown	Self Observed
Tree	Chinar	<i>Platinus orientalis</i>	Tree	Temperate	Available	Available	Own use	Unknown	Unknown	Unknown	Self Observed

Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub-tropical	Available	Available	Commercial use	Stem, needles, cones, Resin etc	Stem- Timber value, Needles- construction purposes and fuel, Cones- as fuel, Resin- Varnish and paint		Self Observed
Tree	Dhaman	<i>Grewia optiva</i>	Tree	Sub-tropical	Available	Available	Own use	Leaves, bark	Leaves- Fodder, Bark- Used for making Ropes	Traditional Use	Self Observed
Tree	Draink	<i>Melia azedarach</i>	Tree	Forest	Available	Available	Own use	Leaves and Seed	Antioxidant, antianalgesic, antidiabetic	Traditional Use	Self Observed
Tree	Fagada	<i>Ficus palmata</i>	Tree	Scattered tree found in village area	Available	Available	Own use	Fruit	Fruits are edible and rich source of nutrients.	Traditional Medicines	Self Observed
Tree	Gargal	<i>Citrus pseudolimon</i>	Tree	Scattered tree found in village area	Available	Available	Commercial use	Fruit	Fruit used for pickle and flavouring agent	Traditional Use	Self Observed
Tree	Kainth	<i>Pyrus pashia</i>	Tree	Sub-tropical	Available	Available	Own use	Leaves, fruits	Leaves are used for staining purposes and fruits are edible	Traditional Medicines	Self Observed
Tree	Kau	<i>Olea cuspidata</i>	Tree	Sub-tropical	Available	Available	Own use	Stem, branches	Stem and branches are used for making handles of agricultural tools.	Unknown	Self Observed

Tree	Kakarsinghi	<i>Pistacia integerrima</i>	Wild	Forest	Available	Available	Medicinal	Fruit	Cure cronic Bronchitis	Market value	Self observed
Tree	Kharak	<i>Celtis australis</i>	Tree	Sub-tropical	Available	Available	Own use	Stem, Leaves	Stem- Timber Value, Leaves-Fodder	Traditional Use	Self Observed
Tree	Babul	<i>Vachellia nilotica</i>	Tree	Sub-tropical/ Temperate	Available	Available	Own use	Leaves, Bark and seeds	Leaves and bark are used in arresting secretion or bleeding, It is also used for sexual disorders	Traditional Use	Self Observed
Tree	Nashpati	<i>Pyrus spp.</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Retha	<i>Sapindus mukorossi</i>	Tree	Sub-tropical/ Mostly found in villages	Available	Available	Commercial use	Fruit	Medicinal Value	Traditional Use	Self Observed
Tree	Sadi	<i>Prunus armeniaca</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Traditional Use	Self Observed
Shrub/ Tree	Druni	<i>Punica granatum</i>	Wild	Forest/Scattered tree found in village area	Available	Available	Commercial/Own use	Fruit	Superfood, antioxidant	Medicinal value	Self Observed

Shrub	Timbru	<i>Zanthoxylum armatum</i>	Shrub	Sub-tropical/ Temperate	Available	Available	Own use	Fruit, Leaves, Stem, root etc	Medicinal value	Flavouring Agent	Self Observed
Shrub	Garna	<i>Carissa spinarum</i>	Shrub	Sub-tropical	Available	Available	Own use	Fruit	Edible	Rich source of Nutrients	Self Observed
Herb	Bang	<i>Cannabis sativa</i>	Herbs	Sub Tropical	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed
Herb	Pudina	<i>Mentha spicata</i>	Herbs	Sub-tropical/ Temperate	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed
Herb	Barrain	<i>Acorus calamus</i>	Wild	Forest	Available	Available	Own use	Used for gastro intestinal problem	Medicinal	Unknown	Self Observed
Grass	Baru Grass	<i>Saccharum spontaneum</i>	Wild	Forest	Available	Available	Own use	Whole Part	Fodder	Unknown	Self Observed
Grass	Khabal Khaa	<i>Cynodon dactylon</i>	Wild	Forest	Available	Available	Own use	Whole Part	Fodder	Unknown	Self Observed
Grass	Lamb Khaa	<i>Heteropogon contortus</i>	Wild	Forest	Available	Available	Own use	Whole Part	Fodder	Unknown	Self Observed

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	Chir	<i>Pinus roxburghii</i>	Wild	Economic, Social	Available
2	Kainth	<i>Pyrus pashia</i>	Wild	Social	Available
3	Kau	<i>Olea cuspidata</i>	Wild	Social	Available
5	Safeda	<i>Eucalyptus spp.</i>		Economic	
6	Deodar	<i>Cedrus deodara</i>			
7	Kail	<i>Pinus wallichiana</i>			
8	Talli	<i>Dalbergia sissoo</i>		Social	

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				
Mendak	<i>Rana tigrina</i>	Wild	Greenish or greyesh, pointed snout , long muscular hind limbs	Moist Areas	More	More	No Direct Use	Unknown	Unknown	Self Observed
Jook	<i>Hirudinea spp.</i>	Wild	Segmented parasite	Moist Areas	More	More	Medicinal Use	Used for Therapy	Unknown	Self Observed
Sarkeed	<i>Brachyura spp.</i>	Wild	Crustacean, thick exoskelton	Shores of Rivers/Pond	More	More	No Direct Use	Unknown	Unknown	Self Observed
Snake	<i>Serpentes spp.</i>	Wild	Small, Medium Size	Ponds, Rivers and Land	More	More	No Direct Use	Unknown	Unknown	Self Observed
Bichu	<i>Scorpiones spp.</i>	Wild								

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

Format 21: Wild Aquatic Plant Species of Importance

S. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Swal	<i>Chlorophyta</i>	Wild	Organic manure	

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					
Shrub/Tree	Druni	<i>Punica granatum</i>	Wild	Forest	Available	Available	Medicinal and Flavouring Agent	Superfood, antioxidant	Fruit	Market/Own use	Self observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Wild	Forest	Available	Available	Medicinal	Disinfectant and antiseptic	Seeds and branches	Own use	Self observed
Herb	Bhang	<i>Cannabis sativa</i>	Wild	Forest	Available	Available	Medicinal	Cure fever, dysentery sunstroke and give alertness to the body	Leaves	Own use	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					
Jangli Pudina	<i>Mentha arvensis</i>	Pudina	Moist area	Available	Available	Flavouring Agent	Leaves	Traditional	Unknown	Self Observed
Ammi	<i>Oxalis corniculata</i>	-	Forest / Agriculture Lands	Available	Available	Flavouring Agent	Leaves	Traditional	Unknown	Self Observed
Kainth	<i>Pyrus pashia</i>									
Malook	<i>Diospyros Lotus</i>									
Dhurni	<i>Punica granatum</i>									

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
Gulab	<i>Rosa indica</i>						
Gutii	<i>Tagetes spp.</i>						
Bottle brush	<i>callistemmon spp.</i>						
Aleovera	<i>Aloe barbadensis</i>						
Aeroceria	<i>Araucaria spp.</i>						

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>	Sub-tropical	Available	Available	Resin/Firewood/Wastewood	Wild	Wastewood used for plywood	Self Observed
Draink	<i>Melia azedarach</i>	Sub-tropical	Available	Available	Furniture	Wild	Wood used for Furniture	Self Observed
Akhrot	<i>Juglans regia</i>	Sub-Tropical/Temperate	Available	Available	Furniture	Local/Wild	Wood used for Furniture	Self Observed
Champ	<i>Alnus nepalensis</i>	Moist area	Available	Available	Firewood	Wild	Wood used for Furniture	Self Observed
Kail	<i>Pinus wallichiana</i>							
Deodar	<i>Cedrus deodara</i>							
Safeda	<i>Eucalyptus globulus</i>							

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					
Mammals	Bandhar	<i>Macaca mulatta</i>	Arboreal/ Lives near habitation	Mostly found near the communities and forest rich in wild fruits	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Golden jackal	<i>Canis aureus</i>	Terrestrial/ Forest	Less prominent forehead, shorter legs and often hunts alone	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Fox	<i>Vulpes bengalensis</i>	Terrestrial/ Forest	Medium size foxes with large bushy tail	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Newla	<i>Herpestes edwardsii</i>	Terrestrial, tropical and temperate	Long bodies, short legs and highly developed anal scent glands. Their coats are thick and coarse is texture	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Jangli Billi	<i>Felis chaus</i>	Terrestrial/ Forest		All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals

Mammals	Chitra	<i>Panthera pardus</i>	Terrestrial /Forest	Pale yellowish to dark golden with dark spots, Fur is generally soft	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Reesh / Black bear	<i>Ursus thibetanus</i>	Temperate/ Terrestrial	Usually black in colour having a pale muzzle which contrasts with their darker fur and may sometimes have a white chest spot	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Khadkanu / Indian hare	<i>Lepus nigricollis</i>	Terrestrial/ tropical	Black naped hares due to the patch of black fur that runs along the nape of the neck.. Back and face are brown with bla ck ahirs scattered throughout	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Saece	<i>Hystrix indica</i>	Grassland, forest, scrub forest and mountain	Its hair is highly modified to form multiple layers of spines. Each quill is black or brown in color. Spines vary in length with the neck and shoulder	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals

Mammals	Chua	<i>Rattus rattus</i>	Temperate, Terrestrial and tropical	Medium sized rat with relatively large ears and a tail that is nearly always longer than the body	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Reptiles	Snake	<i>Naja naja</i>	Temperate, Terrestrial and tropical	Small to medium size	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Reptiles	Dhaleda	<i>Calotes spp.</i>	Temperate/ Sub tropical	Having uniform sized dorsal scales and lacking a fold of skin ectended between the cheek and shoulder and having stronger limbs	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Reptiles	Kerli	<i>Hemidactylus frenatus</i>	Human habitation	Small size lizard mostly found in houses	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Birds	Kaa	<i>Corvus macrorhynchos</i>	Temperate/ Terrestrial	Completely black with glossy and slightly iridescent look	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Birds	Gidh	<i>Gyps bengalensis</i>	Temperate/ Terrestrial	Medium sized, bilateral symmetry, homoiothermic	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals

Birds	Kabutar	<i>Columba livia</i>	Forest	Dark bluish grey head, neck and chest, bilateral symmetry	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Birds	Koyal	<i>Eudynamys scolopaceus</i>	Forest	Male is glossy bluish-black with a pale greenish grey bill and having grey legs and feet while female is brownish on the crown and has rufous streaks on the head	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Birds	Jangli Kukad	<i>Gallus gallus</i>	Forest	Gold, red, brown, dark maroon, orange with a bit of mettalic green and grey. White and olive feathers	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Birds	Gatari	<i>Acridotheres tristis</i>	Terrestrial, tropical and temperate	Yellow bills, legs and eye skin. Brown with a white head	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Birds	Chidi	<i>Passer domesticus</i>	Temperate/ Terrestrial	House sparrow is a stout, stocky sparrow with shorter legs and brown backed with black streaks	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals

Birds	Toota	<i>Psittacula krameri</i>	Terrestrial/ Freshwater	Medium sized bird have a green body with reddish beak. Tail is more than half of the body length	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Amphibia	Mendak	<i>Rana tigrina</i>	Wild	Solitary, nocturnal, snout pointed, tympanum distinct, skin with longitudinal folds	Monsoon	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Amphibia	Jook	<i>Hirudinea spp.</i>	Wild	Parasitic or predatory, cylindrical with a fluid filled space	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Amphibia	Trout fish	<i>Salmo troutia</i>	Wild	Two pectoral fins, two pelvic fins, an anal fin, an adipose fin and a caudal fin	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Insects	Trida	<i>Orthoptera caelifera</i>	Wild	Includes grasshopper and grasshopper like insects	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Worm	Ladeon	<i>Helix pomatia</i>	Temperate/ Terrestrial	Brown shell with three to five light brown bands, four to five whorls, and are round or conical	Monsoon	Available	Available	Uknown	Unknown	Non applicable	-	Locals

Worm	Salkoa	<i>Lumbricus terrestris</i>	Wild	Large reddish worm having unusual habit of copulating on the surface at night.	Mostly seen in monsoon season	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Worm	Pabukutta	<i>Pyrrharctia isabella</i>	Wild	Covered with brown hair in their mid regions and black hair in their anterior and posterior areas.	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals

Format 29: Flora			URBAN BIODIVERSITY			
1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	Not-Applicable	Not-Applicable	Not-Applicable	Not-Applicable	Not-Applicable	Not-Applicable

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.)
Not-Applicable	Not-Applicable	Not-Applicable	Not-Applicable	Not-Applicable	Not-Applicable

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