

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Dehari

Taluk: Ramnagar

District: Udhampur

State: J&K UT

Geographical Area of the Panchayat Samiti: 1215.3 Hac.

Population under the Panchayat Samiti: Total 2709

Male: 1426

Female: 1283

Habitat and Topography: Hilly Area

Climate (Rainfall, Temperature and weather patterns) Temperate, Rainfall-995mm/39.2 inch per year

Land Use (Nine fold classification available with village records) Cultivated land:234 ha,uncultivated land:967.2ha,forest land:488.8 land:47.5 Hac.

Date, Month and Year of PBR Preparation: 17-08-2020

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

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: Swarn Singh

Age: 35 yrs

Gender: Male

Address: Ward No.3 Village Dehari Tehsil Ramnagar

Area of specialization: Local Knowledge

2) Name: Wani

Age: 28 yrs

Gender: Male

Address: Divisional Forest Officer, Ramnagar

Area of specialization: Forest

3)Name: Sohan Lal

Age: 30 yrs

Gender: Male

Address: Ward No.2 Village Dehari Tehsil Ramnagar

Area of specialization: Local Knowledge

4)Name: Swarna Devi

Age: 32 yrs

Gender: Female

Address: Ward No.6 Village Dehari Tehsil Ramnagar

Area of specialization: Local Knowledge

5)Name: Sandhya Devi

Age: 40 yrs

Gender: Female

Address: Ward No.6 Village Dehari Tehsil Ramnagar

Area of specialization: Local Knowledge

6)Name: Om Parkash

Age: 67 yrs

Gender: Male

Address: Ward No.2 Village Dehari Tehsil Ramnagar

Area of specialization: Local Knowledge

7)Name: Thakur Dass

Age: 80 yrs

Gender: Male

Address: Ward No.8 Village Dehari Tehsil Ramnagar

Area of specialization: Local Knowledge

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

1) Name :

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

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

1) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

2) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

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

1) Contact Person:

Name and Address:

2) Contact Person:

Name and Address:

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

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

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

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

Part II
PBR – Formats
AGROBIODIVERSITY

Format 1: Crop Plants

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

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
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
					Past	Present					
Peach	<i>Prunis persica</i>	Aado	Improved/local	Low land/ Hilly	Sufficient		Deptment Local	Summer		Own use/ Income source	Market own
Mango	<i>Mangifera indica</i>	AMBH	Improved/local	Low land/ Hilly	Sufficient		Deptment Local	Summer		Own use/ Income source	Market own
Guava	<i>Psidium guajava</i>	Ambrud	Local	Low land/ Hilly	plenty		Deptment Local	Summer		Income	Market own
Lemon	<i>Citrus aurantifolia</i>	Nimbu	Local	Low land/ Hilly	less		Deptment Local	Summer		own use	Own
Jamun	<i>Syzygium cumini</i>	Jamun	Local	Low land/ Hilly	less		Local	Summer		own use	Own
Papaya	<i>Carica papaya</i>	Papita	Local	Low land	Medium		Local	Summer		own use	Own
Ber	<i>Zizyphus mauritiana</i>	Ber	Local	Low land/ Hilly	Plenty		Local	Summer		own use	Own
Orange	<i>Citrus sinensis</i>	santra	Improved/local	Low land/ Hilly	less		Local	Summer		own use	Own

Banana	<i>Musa paradisiaca</i>	Kela	Improved/ local	Low land/ Hilly	Rare	Local	Summer		own use	Own
Shatoot	<i>Morus indica</i>	Toot	Local	Low land/ Hilly	plenty	Local	Summer		own use	Own
Ber	<i>Zizyphus mauritiana</i>	Ber	Local	Low land/ Hilly	plenty	Local	Summer		own use	Own
Lasoda	<i>Cordia dischotoma</i>	Lasoda	Local	Low land/ Hilly	Rare	Local	Summer		own use	Own
Aanar	<i>Punica granatum</i>	Nar	Local	Low land/ Hilly	Rare	Local	Summer		own use	Own
Pear	<i>Pyrus cammunis</i>	Nakh	Local	Low land	Medium	Local	Summer		own use	Own
Grapes	<i>Vitis vinifera</i>	Angoor dakh	Local	Low land	Medium	Deptment	Summer		own use	Own
Amla	<i>Phyllanthis embilie</i>	Amla	Local	Low land	Medium	Local	Summer		own use	Own
Gargal	<i>Citrus pseudolimon</i>	Gargal	Local	Low land	Medium	Deptment Local	Summer		own use	Own
Kimb	<i>Citrus Medica</i>	Kimb	Local	Low land	Medium	Local	Summer		own use	Own

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
Sartala		shartala	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					
Bathua	<i>Avena fatua</i>	Jangli Javi	Wheat	-	Low land/Hilly	Abundant	Abundant	Fooder	Mechenical/ earthing up	-	Agri-land	Farmers
Shol	<i>Echinochloa colona</i>	Swanki	Paddy	-	Low land/Hilly	Abundant	Abundant	Fooder	earthing up	-	Agri-land	Farmers
Shama		Shama	Paddy	-	Low land/Hilly	Abundant	Abundant	Fooder	earthing up	-	Agri-land	Farmers
Loldu paptu		Loldu paptu	wheat/paddy	-	Low land/Hilly	Abundant	Abundant	Fooder	earthing up	-	Agri-land	Farmers

Putna jadi		Putna jadi	All crop	-	Low land/Hilly	Abundant	Abundant	Fooder	earthing up	-	Agri-land	Farmers
Oven		Oven	-	-	Low land/Hilly	Abundant	Abundant	Fooder	earthing up	-	Agri-land	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
Wheat	Field Rats	<i>Bandicota sp.</i> <i>Tatera sp.</i>	Chua, Kees,	All areas of earth	through out the year	Traps and prisons		Nil	local/Farmers
Wheat	Termites	<i>Microtermes obesi</i>	Seenak	lives in nest made underground	through out the year	Spyring insecticides		The damage plant	local/Farmers
Maize	Stem borer	<i>Chilo partellus</i>	Lurhi	occur throughout panchayat	July onwards	use insecticide	Attack after germination of plant	medium size	local/Farmers
Maize		<i>Agrotis ipsilon</i>	Toka	occur throughout panchayat	July onwards	use insecticide	Attack after germination of plant	medium size	local/Farmers

Paddy	Grasshopper	<i>Oryza Sativa</i>	Tidda	Polyphagus	June to nov	spray		medium size	local/Farmers
Paddy	Rice Grasshopper		Neela	all variety	July to sept	affect tips of leaves		medium size	local/Farmers
Vegetable	Fruit fly	<i>Bactrocera cucurbitae</i>	Titali		After summer rain	spray		medium size	local/Farmers

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
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
Farmers	farmer/ Govt service	Labour	Native	Farming/summer			Bakarwal, Lohar,Rajput, Thakur, Brahmin, Megh,Chimar, Mashe			

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		Agri land are owned	wild plants weeds	Insects	Nil	Ploughing, sowing, hoeing etc	Food/ fodder	Medicinal, Traditional religious		Self observed
Non- cultivated land			Non- cultivated land /Stateland			wild plants weeds	Insects			fodder	Medicinal, Traditional religious		Self observed
Grazing Land			State land/forest land	nil		wild plants weeds	Insects			fodder	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
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
Nalas		small stream	revenue/ forest	All crops including fruits & vegetables & flower	Frog, fishes water snakes	Farmers			Irrigation/ drinking		
Bowli	-	-	Private/ Revenue	All crops including fruits & vegetables	Frog, fishes water snakes	Farmers			drinking		

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

13
Community Accessed
Local villages
Local /villages

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

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

Format 11: Fruit Trees											
1	2	3	4	6	7		8	9	10	11	12
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
					Past	Present					
Mango	Amb	<i>Mangifera indica</i>	Desi	Agri land	Available	Available	Seeds/Plant	March/july	Market/ own		
Guava	Amrud	<i>Psidium guajava</i>	Desi	Agri land	Available	Available	Seeds/Plant	Aug/Dec	Market/ own		
Papaya	Papita	<i>Carica papaya</i>	Desi	Agri land	Available	Available	Seeds/Plant	June-sept	Market/ own		
Pomegranate	Anar	<i>Punica granatum</i>	Desi/hybrid	Agri land	Available	Available	Seeds/Plant	Feb/sept	Own		
Sangtra	Sangtra	<i>citrus reticulata</i>	Desi/hybrid	Agri land	Available	Available	Seeds/Plant	Aug/sept	Own		
Lemon	Nimbu	<i>citrus aurantifolie</i>	Desi/hybrid	Agri land	Available	Available	Seeds/Plant	Nov/Dec	Own		

Peach	adu	<i>Prunus persica</i>	Local	Agri land	Available	Available	Seeds/Plant	July/Aug	Own		
Kimb	Jimiru	<i>Pyrus pasha</i>	Local	Agri land	Available	Available	Seeds/Plant	Oct/Nov	Market/ own		
Phagooara	Phakada	<i>Ficus carica</i>	Local	Agri land	Available	Available	Seeds/Plant	Oct/Nov	Own		
Galgal	Galgal	<i>Citrus pseudolimon</i>	Local	Agri land	Available	Available	Seeds/Plant	Oct/Nov	Own		

Farmers
Farmers
Farmers
Farmers

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	Low land valley	Naturally grown	Available	Available	cure fever	Leaves	NA	Own use	Self observed
Herbs	Pudina	<i>Mentha spicata</i>	Local	Low land valley	Naturally grown	Available	Available	antibacterial	Leaves	NA	Own use	Self observed
Shurbs	Tulsi	<i>Osimum sanctum</i>	Local	Low land valley	cultivated	Available	Available	Kidney stones,Relived	Leaves	NA	Own use	Self observed
Herb	Dhania	<i>Coriandrum sativum</i>	Local	Low land valley	cultivated	Available	Available	Dipression problems	Leaves	NA	Own use	Self observed
Herb	Pyaz	<i>Allium cepa</i>	Local	Low land valley	cultivated	Available	Available	used for cold and cough	seeds/roots	NA	Own use/market	Self observed
Herb	Lathusan	<i>Allium sativum</i>	Local	Low land valley	cultivated	Available	Available	combat sickness	roots	NA	Own use/market	Self observed
Herb	Methi	<i>Trigonella foenum graecum</i>	Local	Low land valley	cultivated	Available	Available	Balance cholesterol	seeds	NA	Own use	Self observed
Herb	Timbru	<i>Zanthonylum armaum</i>	wild	Forest	Naturally grown	Available	Available	disinfect	seeds/branches	NA	Own use	Self observed

Herb	Ami		wild	Forest	Naturally	Available	Available	for fever	Leaves	NA	Own use	Self observed
Herb	Koya kothi		wild	Forest	Naturally	Available	Available	Cough&cold	Leaves	NA	Own use	Self observed
Herb	Shudri		wild	Forest	Naturally	Available	Available	skin problem (Dadri)	Leaves and Stem	NA	Own use	Self observed
Herb	Hurbal		wild	Forest	Naturally	Available	Available	skin problem (Dadri)	Leaves / Fruits	NA	Own use	Self observed
Herb	Barya		wild	Local ponds	Naturally	Available	Available	stonic worms	root	NA	Own use	Self observed
Herb	Kodh sumi		wild	Forest	Naturally	Available	Available	medicinal		NA	Own use	Self observed
Herb	Goli/gade		wild	Forest	Naturally	Available	Available	medicinal	Stem	NA	Own use	Self observed
Herb	Samali		Forest	Forest	Naturally	Available	Available	Pain relief	leaves	NA	Own use	Self observed

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
Bushes	Bottle brush	<i>Callistemmon spp.</i>		Nurseries	Non Commercial	ornamental	used for sysemtry Diarrhoea	Pink flower	Floriculturests/ Nurseries
Bushes	Bogan Bael	B.sp & hybrid		Nurseries	Non Commercial	ornamental	Antidibetic		Floriculturests/ Nurseries
Pot plant	Agave	<i>Agave angustifolia</i>		Nurseries	Non Commercial	ornamental	Traditional medicine		Floriculturests/ Nurseries
climber	Manoj	<i>Rosa acicularis</i>			Non Commercial	ornamental	-		Floriculturests/ Nurseries

Format 14: Timber Plants / Trees

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ Home-Garden	Other Uses (Multi)	Associated TK	Other Details	Community/ Know. Holder
				Past	Present					
Timber	Mango	<i>Mangifera indica</i>	Local	Available	Available	Wild	firewood+fruit	NA	Nil	Generally held by Community
Timber	Safeda	<i>Eucalyptus spp.</i>	Local	Available	Available	Wild	Commercial	Nil	Nil	Generally held by Community
Timber	Tali	<i>Dalbergia sissoo</i>	Local	Available	Available	Wild	Own	Nil	Nil	Generally held by Community
Timber	Tuni	<i>Toona ciliata</i>	Local	Available	Available	Wild	Own	Nil	Nil	Generally held by Community
Tree	Gadanbl		Local	Available	Available	Wild	firewood	Colouring leather	-	self observed
Tree	Kamila	<i>Malotus philippenius</i>	Local	Available	Available	Wild	fruit+firewood	-	-	self observed

Tree	Ktingal	<i>Casia fistula</i>	Local	Available	Available	Wild	fruit+firewood	-	-	self observed
Tree	Khadak	<i>Celtis retrandra</i>	Local	Available	Available	Wild	fruit+firewood	-	-	self observed
Tree	Drank	<i>Melia azedavaca</i>	Local	Available	Available	Wild	fruit+firewood	-	-	self observed
Tree	Kakuya	<i>Flavouatia indica</i>	Local	Available	Available	Wild	fruit+firewood	-	-	self observed
Tree	Kiker	<i>Acicia nilotica</i>	Local	Available	Available	Wild	fruit+firewood	-	-	self observed
Tree	simbal	<i>Bombax cebia</i>	Local	Available	Available	Wild	firewood	Nil	Nil	self observed
Tree	Ber	<i>Ziziphus xylocarpa</i>	All panchayat	Available	Available	Wild	fruit+firewood	-	-	self observed
Tree	Kainth	<i>Pynus paschia</i>	Local	Available	Available	Wild	fruit+firewood	-	-	self observed

Tree	Shisam	<i>Dalbergia sissoo</i>	Local	Available	Available	Wild	furniture	NA	Nil	self observed
Tree	Khair	<i>Acacia catehes</i>	Local	Available	Available	Wild	furniture	Medicinal	Nil	self observed
Tree	Kawa		Local	Available	Available	Wild	Agri /implements		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					
Cattle	Gaay	<i>Bos indicus</i>	Local	Low milk/high milk	Domesticated	Large	Less	Milk		Nil	Nil	Self observed
Buffalo	Bhains	<i>Bubblous spp.</i>	Local/Hybrid	Low milk/high milk	Domesticated	Large	Less	Milk		No	Nil	Self observed
Ox	Bael	<i>Bos taurus</i>	Local/Hybrid	Ploughing	Domesticated	Large	Less	Ploughing		No	Nil	Self observed
Dog	Kutta	<i>Cannis lupus</i>	Local/Hybrid	Pet	Domesticated	Available	Available	Guarding	-	No	Nil	Self observed
Cat	Billi	<i>Felis Catus</i>	Local	Pet	Domesticated	Available	Available	Pest Control	-	No	Nil	Self observed
Horse	Ghorda	<i>Equscabalus</i>	Local/Hybrid	-	Domesticated	Available	Available	Drought	-	-	Nil	Self observed

Mule	Khachar	-	Local	-	Domesticated	Available	Available	Drought	-	-	Nil	Self observed
Donkey	Gadda	<i>Equus asinus</i>	Local	-	Domesticated	Available	Available	Drought	-	-	Nil	Self observed

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					

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

WILD BIODIVERSITY

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

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / Own Use	Part Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood			
Tree	Amla	<i>Phyllanthus emblica</i>	tree	All panchayat	Rare/Plenty	Rare/Plenty	commercial/own	fruit	Medicine	achar	Generally hold by community
Tree	Ber	<i>Ziziphus jujuba</i>	tree	All panchayat	Plenty	Plenty	own	Leaves/fruit	nil	nil	Generally hold by community
Tree	Behra	<i>Terminalia bellirica</i>	Tree	All panchayat	Rare	Rare	own	Fruits/Wood	medicine	nil	Generally hold by community
Tree	Dhaman	<i>Grewia optiva</i>	Tree	All panchayat	Plenty	Plenty	own	Leaves	nil	nil	Generally hold by community
Tree	Kamila	<i>Molotus philippenrio</i>	Tree	All panchayat	Plenty	Plenty	own	fruit	nil	nil	Generally hold by community
Tree	Koral	<i>Bauhimia variejata</i>	tree	All panchayat	Plenty	Plenty	own	Leaves	nil	nil	Generally hold by community

Tree	Khadak	<i>Lectis tetradra</i>	tree								Generally hold by community
Tree	Safeda	<i>Eucalyptus spp.</i>	tree	All panchayat	Rare	Rare	own	wood/leaves	nil	nil	Generally hold by community
Tree	Kringal	<i>Cassia fistula</i>	Tree	All panchayat	Plenty	Plenty	own	Leaves and Wood			Generally hold by community
Tree	Santha	<i>Dodonea viscora</i>	Tree	All panchayat	Plenty	Plenty	own	wood			Generally hold by community
Tree	Kimb	<i>Citrus karna</i>	Tree	All panchayat	Rare	Rare	own	fruit			Generally hold by community
Tree	Flai	<i>Acacia nilotica</i>	Tree	All panchayat	Available	Available	own	Leaves and Wood	used against Tooth decay		Generally hold by community
Shrub	Branked	<i>Adhatode verica</i>	shrub	All panchayat	Plenty	Plenty	own	nil			Generally hold by community
Shrub	Bana	<i>Vitex nogundo</i>	shrub	All panchayat	Plenty	Plenty	own	nil			Generally hold by community
Tree	Simbal	<i>Bombax ceiba</i>	Tree	All panchayat	Plenty	Plenty	own	nil	Wood		Generally hold by community

shrub	Garna	<i>Corirsa opaea</i>	shrub	All panchayat	Plenty	Plenty	own	nil			Generally hold by community
shrub	Pudina	<i>Mentha spicatla</i>	shrub	All panchayat	Plenty	Plenty	own	nil			Generally hold by community
Grass	Baru Grass	<i>Spontaneous cynolon</i>	wild	Forest	Plenty	Plenty	own	nil			Generally hold by community
Grass	Khabal grass	<i>Cynodon dactylon</i>	wild	Forest	Plenty	Plenty	own	nil			Generally hold by community

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	greyesh	Moist area	More	More				Self observed
Jook	<i>Hirudinea spp.</i>	wild	Parasite	Moist area	More	More				Self observed
Sarkeed	<i>Brachynra and Kraits</i>	wild	Thick	River pond	More	More				Self observed
Snake	<i>Serpentes spp.</i>	wild	Small	Rivers	More	More				Self observed

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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					
Shrubs	Bhang	<i>Canabis sativa</i>	Wild	Forest	Available	Available	Medicinal	dysentary	Leaves	own use	Self observed
Shrub	Bana	<i>Vitex negundo</i>	wild	Forest	Available	Available	Medicinal	for ear pains	Leaves	own use	Self observed
Shrub	Branked	<i>Adhatode verica</i>	wild	Forest	Available	Available	Medicinal	gastric problem	Leaves	own use	Self observed
Tree	Santha	<i>Dodonea viscora</i>	wild	Forest	Available	Available	Medicinal	for teeth	Leaves	own use	Self observed

shrubs	Aakh	<i>Ipomoea carnea</i>	wild	Forest	Available	Available	Medicinal	for teeth	Nil	own use	Self observed
Shrubs	Timuru	<i>Zanthoxyllem aurmatum</i>	wild	Forest	Available	Available	Medicinal	for teeth	stem	own use	Self observed
Shrub	Gandera	<i>Thevetia peruviana</i>	wild	Forest	Available	Available	Medicinal	for skin	Leaves	own use	Self observed
Herb	Brumi	<i>Centella asiatica</i>	wild	Forest	Available	Available	Medicinal	for head ache	Leaves	own use	Self observed
Shrubs	Durni		wild	Forest	Available	Available	Medicinal		fruit	own use	Self observed

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					
Ammi	<i>Ononis coroiculate</i>		Landscape	Available		agent	Leaves			Self observed
Jungli pudina	<i>Mentha arvensis</i>	Pudina	Moist area	Available						Self observed

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
Bottle brush	<i>Collistemmon spp</i>		Nurseries	Non commercials	Nil	Nil	Self observed
Gulab	<i>Rosa indica</i>	Lord	Nurseries	Non commercials	Nil	Nil	Self observed
Bogan Bael	<i>Bougainvillea spp.</i>		Nurseries	Non-commercial use	Nil	Nil	Self observed
Raat ki Rani	<i>Cestrum nocturnum</i>		Nurseries	Non-commercial use	Nil	Nil	Self observed

Format 25: Fumigate / Chewing Plants

1	2	3	4	5	6		7	8	9	10
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other details (mode of use)
					Past	Present				
Shrubs	Timuru	<i>Zanthoxyllem aurmatum</i>	Local	forest	Available	Available	antiseptic	Leaves	nil	nil
Herb	Dhania	<i>Coriandarum sactiva</i>	Local	Agri.land	Available	Available	Problems	seeds	nil	nil
Herb	Methi	<i>Foeruns graccun</i>	Local	Agri.land	Available	Available	cholerstral	seeds	nil	nil
Herb	Pudina	<i>Mentha spicota</i>	Local	near stream	Available	Available	antiseptic	fruit	nil	nil
Herb	Tulsi	<i>Ocimum Tenuiflorum</i>	Local	Moist soil	Available	Available	antiaging	Leaves	nil	nil

Plant/ Tree	Pansar		Local	Forest	Available	Available	Pain relief in mouth	stem	nil	nil
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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	Furniture			self observed
Tali	<i>Dalbergia sissoo</i>	Local	Available	Available	Furniture			self observed
Tunni	<i>Toona celiata</i>	Local	Available	Available	Furniture			self observed
Khadak	<i>Celtisaustralis</i>	Local	Available	Available	Firewood			self observed
Simbal	<i>Bombox ceiba</i>	Local	Available	Available	Furniture			self observed
Drehnk	<i>Melia azedarach</i>	Local	Available	Available	Firewood			self observed

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

1	2	3	4	5	6	7		8	9	10	11
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details
						Past	Present				
Mammal	Bandar	<i>Macaca mulatta</i>	Forest	Colour brown shooter	All season	Less	Plenty	nil	nil	nil	
Mammal	Gad	<i>Yuapes bengalem</i>	Forest	Colour brown shooter	All season	Less	Plenty	nil	nil	nil	
Mammal	chitra	<i>Panthera pardus</i>	Forest	small size	All season	Less	Plenty	nil	nil	nil	
Mammal	Khad kanu	<i>Lepus nigricolles</i>	Forest	small size	All season	Less	Plenty	nil	nil	nil	
Mammal	Sau	<i>Hystix indica</i>	Forest	medium size	All season	Less	Plenty	nil	nil	nil	
Mammal	chua	<i>Rattus rattus</i>	Forest	small size	All season	Less	Plenty	nil	nil	nil	
Mammal	Pada		Forest	medium size	All season	Less	Less	nil	nil	nil	
Mammal	Banbila		Forest	small size	All season	Less	Less	nil	nil	nil	

Mammal	Sinda		Forest	small size	All season	Less	Less	nil	nil	nil	
Reptiles	snake	<i>Serpentes spp.</i>	Forest	small size	All season	Less	Plenty	nil	nil	nil	
Reptiles	Kerli		Forest	small size	All season	Less	Plenty	nil	nil	nil	
Reptiles	Koh		Forest	small size	All season	Less	Plenty	nil	nil	nil	
Reptiles	Dhaleab	<i>Colotes spp.</i>	Forest	small size	All season	Less	Less	nil	nil	nil	
Bird	Kabootar	<i>columbidae livia</i>	Forest	Habitation	All season	Less	Less	nil	nil	nil	
Bird	Gatori	<i>Acridother spp.</i>	Forest	small size	All season	Less	Plenty	nil	nil	nil	
Bird	kaua		Forest	small size	All season	Less	Plenty	nil	nil	nil	
Bird	Moor	<i>Pavo cristatus</i>	Forest	Hebitation	All season	Less	Plenty	nil	nil	nil	
Mammal	salkher		Forest	Hebitation	All season	Less	Less	nil	nil	nil	
Bird	Lant		Forest	Hebitation	All season	Less	Less	nil	nil	nil	

Bird	Gataru		Kacha house	small size	All season	Less	Plenty	nil	nil	nil	
Bird	Parkulli		Forest	Hebitation	All season	Less	Plenty	nil	nil	nil	
Bird	Kugee		forest	small size	All season	Less	Plenty	nil	nil	nil	
Bird	Ullu	<i>Strigiformes spp.</i>	forest	small size	All season	Less	Plenty	nil	nil	nil	
Insect	Paji		forest	small size	All season	Less	Plenty	nil	nil	nil	
Insect	Kula kutir		forest	small size	All season	Less	Plenty	nil	nil	nil	
Insect	Bichu		forest	small size	All season	Less	Plenty	nil	nil	nil	
Insect	Qriede		Agri.Land	small size	All season	Less	Plenty	nil	nil	nil	
Insect	Kantaji		Homes	small size	All season	Less	Plenty	nil	nil	nil	
Insect	Ant/purli		Homes	small size	All season	Less	Plenty	nil	nil	nil	
Insect	Kathi keda		Homes	small size	All season	Less	Plenty	nil	nil	nil	

Bird	Jungli murga	<i>Gallus gallus</i>	Forest	Hebitation	All season	Less	Less	nil	nil	nil	
Bird	Kali chemedi		kaccha houses	Hebitation	summer	Less	Less	nil	nil	nil	

Locals
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	Sree	<i>Albizia lebbek</i>	Broad Leave	Sub-Tropical	Mar-Apr	Common
2	Mango	<i>Mangifera indica</i>	Broad Leave	Sub-Tropical	Mar-Apr	Common
3	Fagada	<i>Ficus palmata</i>	Broad Leave	Sub-Tropical	Mar-Apr	Common
4	Aru	<i>Prunus persica</i>	Broad Leave	Sub-Tropical	Feb-Mar	Common
5	Flai	<i>Acacia nilotica</i>	Broad Leave	Sub-Tropical	Feb-Mar	Common
6	Jamun	<i>Syzium cumini</i>	Broad Leave	Sub-Tropical	Mar-Apr	Common
7	Drink	<i>Melia azedarach</i>	Broad Leave	Sub-Tropical	Nov-Dec	Common
8	Papita	<i>Carica papaya</i>	Broad Leave	Sub-Tropical	Feb-Mar	Common

9	Simbal	<i>Bombyx ceiba</i>	Broad Leave	Sub-Tropical	Feb-Mar	Common
10	Bael	<i>Aegel marmelos</i>	Broad Leave	Sub-Tropical	Feb-Mar	Common
11	Safeda	<i>Eucalyptus globulus</i>	Broad Leave	Sub-Tropical	Mar-Apr	Common
12	Bana	<i>Vitex negundu</i>	Broad Leave	Sub-Tropical	Feb-Mar	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	Leopard	<i>Panthera pardus</i>	Mammals	Terrestrial	Common
2	Fish	<i>Labeo rohita</i>	Amphibia	Aquatic	Common
3	Frog	<i>Anura</i>	Amphibia	Aquatic	Common
4	Billi	<i>Felis Bengalensis</i>	Mammals	Terrestrial	Common
5	Ged	<i>Canis aureus</i>	Mammals	Terrestrial	Common
6	Ged	<i>Vulpes bengalensis</i>	Mammals	Terrestrial	Common
7	Bandar	<i>Innuus rhesus</i>	Mammals	Arboreal/ Lives near habitation	Common
8	Khadkanu	<i>Lepus nigricollis</i>	Mammals	Terrestrial/ tropical	Common
9	Newla	<i>Herpestes edwarsi</i>	Mammals	Terrestrial, tropical and temperate	Common
10	Sace	<i>Hystrix indica</i>	Mammals	Grassland and mountain	Common
11	Chua	<i>Rattus rattus</i>	Mammals	Temperate, Terrestrial and tropical	Common
12	Chamgadad	<i>Chiroptera spp.</i>	Mammals	Temperate, Terrestrial and tropical	Common
13	Cow	<i>Bos taurus</i>	Mammals	Domestic	Common
14	Buffalo	<i>Babalus bubalis</i>	Mammals	Domestic	Common
15	Goat	<i>Capra aegagrus</i>	Mammals	Domestic	Common

16	Sheep	<i>Ovis aries</i>	Mammals	Domestic	Common
17	Domestic Fowl	<i>Gallus gallus</i>	Mammals	Domestic	Common
18	Horse	<i>Equus caballus</i>	Mammals	Domestic	Common
19	Mule	<i>Equus asinus</i>	Mammals	Domestic	Common
20	Dog	<i>Canis lupus familiaris</i>	Mammals	Domestic	Common
21	Chakoor	<i>Alectoris chukar</i>	Birds	Domestic	Common
22	Kerli	<i>Hemidatylus frenatus</i>	Reptiles	Wild	Common
23	Khoo	<i>Varauns Bangalensis</i>	Reptiles	Wild	Common
24	Dhaleda	<i>Chamaeleo zeylanicus</i>	Reptiles	Wild	Common
25	Chiri	<i>Passer domesticus</i>	Birds	Temperate/Terrestrial	Common
26	Kaa	<i>Corvus brachyrhynchos</i>	Birds	Temperate/Terrestrial	Common
27	Totaa	<i>Psittacula krameri</i>	Birds	Terrestrial/Freshwater	Common
28	Ell	<i>Gyps bengalensis</i>	Birds	Temperate/Terrestrial	Common
29	Lundhi	<i>Haliaeetus leucocephalus</i>	Birds	Temperate	Common
30	Kabutar	<i>Columba livia</i>	Birds	Arboreal	Common
31	Mor	<i>Pavo cristatus</i>	Birds	Terrestrial, tropical and temperate	Common
32	Gatari	<i>Acridotheres tristis</i>	Birds	Terrestrial, tropical and temperate	Common
33	Bulbul	<i>Pycnonotus leucogenys</i>	Birds	Arboreal	Common
34	Tarkhan	<i>Melanerpes formicivorus</i>	Birds	Arboreal	Common
35	Kala Titar	<i>Melanoperdix niger</i>	Birds	Wild	Common

36	Babbler	<i>Turdoides striata</i>	Birds	Wild	Common
37	Barn swallow	<i>Hirundo rustica</i>	Birds	Terrestrial, tropical and temperate	Common
38	Pinja	<i>Terpsiphone paradisi</i>	Birds	Wild	Common
39	Jook	<i>Hirudinea spp.</i>	Amphibia	Wild	Common
40	Sarkeed	<i>Brachyura spp.</i>	Amphibia	Aquatic	Common
41	Songla	<i>Periplaneta americana</i>	Insects	Near Habitation	Common
42	Passfail	<i>Coccinella septumpunctata</i>	Insects	Terrestrial/Temperate	Common
43	Trida	<i>Orthoptera caelifera</i>	Insects	Wild	Common
44	Timba	<i>Anisoptera spp.</i>	Insects	Wild	Common
45	Blister beetle	<i>Mylabris pustulata</i>	Insects	Wild	Common
46	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