

## Peoples Biodiversity Register

**Name of Panchayat Samity:** Malhut

**Talika:** Darhal

**District:** Rajouri

**State/UT:** J&K

**Geographic Area of the Panchayat Samity:** 622.70 Acres

**Population under Panchayat Samity Total:** 1186

**Male:** 1390

**Female:** 1120

**Habitat and topography:** Hilly

**Climate:** Moderate

**Land use:** Agriculture

**date month year of PBR preparation:** Dec 2019

**Management regime:** 2020

**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)**

<b>Name</b>	<b>Age</b>	<b>Gender</b>	<b>Address</b>	<b>Area of Specilization</b>
Mohd Anwar S/o Abdullah (Sarpanch)	65	M	Malhut	Agriculture/ Horticulture
Tariq Mehmood S/o Adbdul Rashid	41	M	Malhut	Agriculture/ Horticulture
Shamin Akhter W/o Nazir Hussain	44	F	Malhut	Agriculture/ Horticulture
Altaf Hussain s/o Muneer Hussain	27	M	Malhut	Agriculture/ Horticulture
Mohd Alyas s/o Abdul Rehman	36	M	Malhut	Agriculture/ Horticulture
Wahida Kossier W/o Mohd Shafiq	35	F	Malhut	Agriculture/ Horticulture
Sajid Khan	27	M	Malhut	Agriculture/ Horticulture

## 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 :** Hoji Abdul Rashid

**Age:** 67

**Gender:** Male

**Address:** Malhut (Ward No. 5)

**Area of specialization:** Local (Panchayat Malhut)

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

**Perception of the practitioner on the resource status:** less local resources available: NA

**Medicinal Use:**

**date month year of PBR preparation:** 2020

**Annexure 3****List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and forestry**

<b>Name</b>	<b>Age</b>	<b>Gender</b>	<b>Address</b>	<b>Area of sp</b>
Zamurat Hussain	65	Male	Darhal	Agriculture/ Horticulture
Haji Mohd Azam	70	Male	Darhal	Agriculture/ Horticulture
Gulzar Hussain	80	Male	Darhal	Agriculture/ Horticulture

**Annexure 4**

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

<b>Contact person</b>	<b>Contact</b>	<b>Address</b>	
Sajad Khan	6006016860	Darhal	VLW

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



**Format 1**

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	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Food crop	<i>Oryza sativa</i>	Dhan	K-39,K-343, G-14	Hilly terrain		Past	Present							
Food crop	<i>Zia mays</i>	Makka	Rasi4794, Kh517, Kh-612, DD	Hilly & lower hills		Plenty	Plenty	Medium height, resistant to draught,	Kharif	Food /Fodder	Stapple food		Agri Dept.	Farmers
Food crop	<i>Triticum aestivum</i>	Gandam	Raj 3765, HD 2967, HD 3086,	Hilly & lower hills		Plenty	Plenty	HYV, Resistant to draught ang lodging	Kharif	Food /Fodder	Stapple food		Agri Dept.	Farmers
Food crop	<i>Brassica juncea</i>	Sarson	Pusa bold, Gobi Sarson, KOS-1	Cool & dry		Plenty	Plenty	HYV, Draught resistant, Shaort duration	Rabi	Food / Fodder	Stapple food		Agri Dept.	Farmers
Vegetables						Normal	Normal	Matures in 145-150 days with 40-42 % oil content	Rabi	Source of energy	vegetable Oil extracted from seeds used in cooking	oil for Food	Agri Dept.	Farmers
Vegetables	<i>Abelmoschus esculentus</i>	Bhindi	Arka Anamika, Versha Uphar, PS, PK,	Sub tropical & intermediate										
Vegetables	<i>Solanum melongena</i>	Bangun	PPL,PPC, PH4, BR112	Sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	Agri Dept/ Local	Farmers
Vegetables	<i>Legenaria siceraria</i>	Kaddu	PSPL, Punjab Komal	Sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	Agri Dept/ Local	Farmers
Vegetables	<i>Brassica oleracea</i>	Kadam	King of Market , White Vienna, Purple Vienna	Sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	Agri Dept/ Local	Farmers

Vegetables	<i>Solanum lycopersicum</i>	Tamater	Pusa Rubi,Pusa Early Dwarf, Manisha Plus/ local	Sub tropical & intermediate		Normal	Normal	-	Rabi	Curd used as vegetable	Also good source of protein,carbohydrate, phosphorus & iron	-	Agri Dept/ Local	Farmers
Vegetables	<i>Allium cepa</i>	Pyaj	Pusa Red, Nasik Red, N-53, Liberty	Cool weather at vegetative stage followed by warm weather at Bulb Stage		Normal	Normal	-	Kharif	Rich in Ascorbic acid	Tomatoes are rich in iron & vitamins A and C, calcium, potassium.	Used as Vegetable, Salad, Soup	Agri Dept/ Local	Farmers
Vegetables	<i>Solanum tuberosum</i>	Aaloo	Kufri Sindhuri,Kufri Badsha, Kufri Jyoti	Potato is an herbaceous annual, requirs cool weather, mostly rainfed conditions		Normal	Normal	-	Rabi	Vegetable & Salad use	Good source of dietary fiber,Vitamin B6,C,Potassium and folic acid.	-	Agri Dept/ Local	Farmers
Vegetables	<i>Pisum sativum</i>	Matar	Bonneville, Arkel, local var.	Grows under cool conditions,Sub tropical/ Temprate		Normal	Normal	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable, chips etc	-	High carbohydrate , provide high n energy value	Rabi	Agri Dept/ Local	Farmers
Vegetables	<i>Brassica rupa</i>	Shalgum		Cool and Dry		Normal	Normal	Green Leaf	Kharif	Food and Fodder	Staple Food		Agri Dept/ Local	Farmers



**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						
Medium tree	<i>Citrus Spp.</i>	Khatti, Galgal, Nimbu, Santra, Kinnow, Mosambi etc.	Local selection, Kagzi Lime, Italian Lime, Hill Lemon etc.	subtropical, mid hills	Plenty	Plenty	Nurseries	Through out year		Fruit, Pickling, Squashes etc.	Maketing , own use	
Shrub	<i>Punica granatum</i>	Anar, Druni	Ganesh, Kandhari, Local	subtropical, mid hills	Rare	Rare	Nurseries, locally raised, wild	May-August		Fruit, anardana	Own use	
Tree	<i>Malus x domestica</i>	Saib	Red Delcious, Golden Delocious, Maharaji, American etc	Temperate	Rare	Plenty	Nurseries	Aug- Oct.		fruit, value addition	Maketing , own use	
Tree	<i>Pyrus spp.</i>	Nakh	Patharnakh, China pear	Mid hill	Plenty	Plenty	Nurseries	Aug-Sept		Fruit	Own use	
Tree	<i>Prunus persica</i>	Aaroo	July Elberta, Quetta	Mid hill	Rare	Rare	Nurseries	June-July		Fruit	Maketing , own use	
Tree	<i>Prunus armeniaca</i>	Khubani, Sadi	local apricot, Bebo	Mid hills	Plenty	Plenty	Nurseries	June-July		Fruit	own use	
Tree	<i>Juglans regia</i>	Akrote	Burzal, Kagzi, hard shelled	Temperate	Plenty	Plenty	Nurseries, locally raised	sept-Oct		Dry fruit	Maketing , own use	
Tree	<i>Prunus salicina</i>	Aaloo Bukhara	santa rosa, Allubukhara	Mid Hills	Rare	Rare	Nurseries, locally raised	July-August		Fruit	Maketing , own use	
Tree	<i>Pyrus pasha</i>	Kathari		Mid Hills	Rare	Rare	Wild			Fruit		
Shrub		Kankoli		Mid Hills	Plenty	Rare	Wild			Fruit		
Shrub	<i>Carissa opaca</i>	Garna		Barren	Plenty	Plenty	Wild			Fruit		
Tree	<i>Ficus spp.</i>	Foghara		Temperate	Plenty	Plenty	Wild			Fruit		

### 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					
Grass	<i>Avena sativa</i>	Javi	Sub Tropical / Intermediate	Rare	Rare	Agri Dept /Local	Nutritious & palatable fodder,	Whole plant	Suitable for fodder	Farmers
Grass	<i>Trifolium alexandrinum</i>	Shatala	Sub Tropical / Intermediate	Rare	Rare	Agri Dept /Local	Nutritious & palatable fodder	Whole plant	Suitable for fodder	Farmers
Shrub	<i>Zia mays</i>	Makka	Sub Tropical	Plenty	Rare	Agri Dept /Local	Fodder	Whole plant	Fodder	Farmers
Grass/Shrub	<i>T. aestivum</i>	Gandam	Intermediate	Plenty	Plenty	Agri Dept /Local	Fodder	Whole plant	Fodder	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					
Weed /Herb	<i>Philaris minor</i>	Sitti	Wheat	Compete with crop	Sub Tropical/ intermediate	Plenty	Plenty	Nil	Chemical / Manual Control	Source for High quality protein	Local	Farmers
Weed /Herb	<i>Parthenium hysterophorus</i>	Congress grass	All crops	Alellopathy effect, reduce yield	Sub Tropical/ intermediate	Rare	Plenty	Nil	Chemical / Manual Control	Abnoxious weed difficult to manage	Exotic	Farmers
Weed /Herb	<i>Chinopodium album</i>	Bathua	Wheat, Vegetables	Compete with main crops for space and nutrients	Sub Tropical/ intermediate	Plenty	Plenty	Leavy vegetable	Chemical Control	Rich Source of protein, Vit. A, Calcium , Phosporous & potash	Used as green vegetable	Farmers
Weed /Herb	<i>Avena spp</i>	Jungli Javi	Wheat	Compete with main crops for space and nutrients	Sub Tropical/ intermediate	Plenty	Plenty	Green Fodder for animal	Chemical / Manual Control	Source for High quality protein	Local	Farmers
Weed /Shrub	<i>Cannabis sativa</i>	Bhang	Maize, Wheat, Vegetables	Alellopathy effect, Compete with crops	Sub Tropical/ intermediate	Plenty	Plenty	Psychoactive effects	Chemical / Manual Control	Intoxicating causes dehydration, nausea and headache	Local	Farmers
Weed /Herb	<i>Achinocloa crusgalli</i>	Swanki	Rice/Maize	Compete with crops	Sub Tropical/ intermediate	Plenty	Plenty	Fodder & Animals	Chemical / Manual Control	Nil	Local	Farmers
Weed	-	Kinji	Maize	Perenials	Agri & Non Agri.	Plenty	Plenty	Nil		Mill		
Weed	<i>Euphorbia helioscopia</i>	Dodhal	Wheat, Maize	Perenials	Agri & Non Agri.	Plenty	Plenty	Nil		Nil		
Weed	<i>Bidens pilosa</i>	Sarala	Grass, Maize	Perenials	Agri. Land	Plenty	Plenty	Fodder		Nil		

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
Rice	Rice Hispa	<i>Diuraphis armigera</i>	Kali Pundi	Sub Tropical/intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Rice	Stem Borer	<i>Scirepophaga incertulas</i>	Dhain ka Kida	Sub Tropical/intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Maize	Blister Beetle	<i>Mylabris phalerata</i>	Bhundi	Sub Tropical/intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Maize	Cut Worm	<i>Agrotis spp</i>	Makki da kida	Sub Tropical/intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Maize	Maize stem Borer	<i>Chilo partellus</i>	Sundi	Chewing & biting	July to Sept	Mechanical & Chemical measures	-	Causes dead hearts in young plants	Farmers
Maize/Wheat	Termite	<i>Odentotermes obesus</i>	Sink	Sub Tropical/intermediate	Kharif/ Rabi	Chemical control	-	Feed on crop leaves	Farmers
Brijal/ Tomato	Fruit Borer	<i>Helicoverpa armigera</i>	Sundi	Sub Tropical/intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Wheat, Maize, Rice	Rat	<i>Tatera indica</i>	Chuha	Sub Tropical/intermediate	Kharif/ Rabi	Chemical control	-	Feed on crop leaves	Farmers
Maize, Wheat, Fruits, vegetable	Monkey	<i>Macaca mulatta</i>	Bander	Sub Tropical/intermediate	Kharif/ Rabi	NA	-	Feed on Fruits and green vegetables, cobs	Farmers
Mustard	Aphid	<i>Lipaphis erysimi</i>	Aphid/ Tella	Sub Tropical/intermediate	Dec-March	Chemical control	-	Nil	Farmers

**Format 6: Markets for Domesticated animals**

1	2	3	4	5	6	7	8	9
<b>Name of the market &amp; location</b>	<b>Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]</b>	<b>Types of animals bought and sold [2]</b>	<b>Types and Average Number of animals transacted in a day</b>	<b>Places from which animals are brought</b>	<b>Places to which the animals are sold / transported</b>	<b>Name and location of fish market</b>	<b>Types of fishes sold</b>	<b>Source of fish</b>

**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
<b>Community &amp; Population</b>	<b>Families &amp; Major occupation</b>	<b>Sub-occupation</b>	<b>Depending Landscape</b>	<b>Major resources accessed and seasons of access</b>	<b>Landscape management practices</b>	<b>Resource management practices</b>	<b>Cast / tribe</b>	<b>Social condition</b>	<b>Nature of inhabitants</b>	<b>No. of HHs</b>
Muslim	Farming	Animal husbanding	Agriculture	Agriculture sources			ST/Gen			265
										827

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	Manageme nt practices	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow land											
Agriculture and Forest land			-	Slopy	Private	Dhaman	Lizard			Timber	-	-	-
			-	Hilly	Forest	Kankoli	Scorpion		Well	Food	-	-	-
			-	-	-	Apricot	Monkey				-	-	-
						Dreak	Jackal						
						Toot	Frog						
						Pear							
			-	-	-	Phogra			-		-	-	-
			-	-	-	Kaw			-		-	-	-
						Bhana							
						Beesa							
						Kainth							

### 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
River	1 Km		Forest/ State Land	Kiker	Cat	Irrigation use	-	-	-	-	-	-
-	-	-	-	Kathori	Dog		-	-	-	-	-	-
-	-	-	-	Beesa	Fish		-	-	-	-	-	-
-	-	-	-	Mint	Frog		-	-	-	-	-	-
-	-	-	-		Tadpol	-	-	-	-	-	-	-
Stream	2 Km		Forest / Private Land			Irigation purpose	Bath, Drinking					

Examples: Streams, Rivers etc.,





**Format 11: Fruit Trees**

1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
Tree	Akhrot	<i>Juglan regia</i>		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Tree	Citrus fruits	<i>Citrus Spp.</i>		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Tree	Guava	<i>Psidium guajava</i>		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Tree	Apple	<i>Malus x domestica</i>		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Tree	Pear	<i>Pyrus spp.</i>		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Tree	Peach	<i>Prunus persica</i>		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Tree	Apricot	<i>Prunus persica</i>		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Tree	Plum	<i>Prunus salicina</i>		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Tree	Kathari	<i>Pyrus pashia</i>		Wild & Local		Abundant	Local	Summer	Fruit		Own	
Tree	Ber	<i>Zizipus mauritiana</i>		Wild		Abundant	Local	Summer	Fruit		Local	
Tree	Foghara	<i>Ficus spp.</i>		Wild	Less	Abundant	Local	Summer	Fruit		Local	
Tree	Shahtoot	<i>Morus spp.</i>		Agriculture Land	Less	Less	Local	Summer	Fruit		Own	
Tree	Kankoli			Wild	Less	Less	Local	Summer	Fruit		Local	

**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					
Herb	Pudina	<i>Mentha arvensis</i>	Home garden	Water	Stem	More	More	Mixture arial		-	-	-
Shrub	Simblu	<i>Berberies aristata</i>	Wild	Baren	Natural	More	More	Human medicine	Root			
Tree	Akhroot	<i>Juglans regia</i>	Home garden		Seed	More	Less	Toothcare				
Shrub	Timru	<i>Zanthoxylum armatum</i>	Wild	Baren	Seed	Abudent	Abudent	Toothache	Seed			
Tree	Simbal	<i>Bombax cieba</i>	Private/ Wild	Barren	Natural	Less	Less	Medicine	Flower			

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
Tree	Harduli	<i>Rhododendron arboreum</i>		Natural	Non.Commercial				
Climbers	Pulwari	<i>Rosa asclloris</i>		Natural	Non.Commercial				
Shrubs	Kucch	<i>Viburnum grandiflorum</i>		Natural	Non.Commercial				
Shrubs	Rose	<i>Rosa indica</i>		Cutting	Commercial				
Shrubs	Saroo	<i>Thuja compacta</i>			Non.Commercial				
Shrubs	Golden cupress	<i>C. sempervirens</i>			Non.Commercial				
Shrubs	Bogan Villa	<i>Boganvillea</i>		Cutting	Non.Commercial				

**Format 14: Timber Plants / Trees**

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ home-garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
				Past	Present					
Tree	Kail	<i>Pinus walichaina</i>	Forest	Good	Good	Wild	Fuel			
Tree	Fir	<i>Abies pindrow</i>	Forest	Good	Good	Wild	fuel			
Tree	Oak	<i>Quercus incane</i>	Forest	Good	Good	Wild	Fuel			
Tree	Bankhori	<i>Aesculus indica</i>	Forest	Good	Good	Wild	Fuel			
Tree	Popular	<i>Populus deltoides</i>	Forest	Good	Good	wild	Fuel			
Tree	Simbal	<i>Bombax cieba</i>	Forest/Private Land	Good	Good	wild	Fuel			
Tree	Safeda	<i>Eucalyptus globus</i>	Private Land	Good	Good	wild	Fuel			
Tree	Beesa	<i>Salix spp.</i>	Private Land	Rare	Rare	wild	Fuel/ Fodder			
Tree	Drank	<i>Melia azedrach</i>	Private Land	Good	Good	wild	Fuel/ Fodder			
Tree	Kaw	<i>Olea cuspidata</i>	Private Land	Good	Rare	wild	Fuel/ Fodder			

### 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					
Small Ruminants	Sheep Goat	<i>Ovis aries Capra hircus</i>	Cross Breed Bakarwali Kagani Beetal Poonchi	Polled ewes Horned Rams v-shaped Nose drooping ear sturdy excellent climbers	Conventional	sufficient	sufficient	Mutton chevon Milk Wool	Lohi Namda	No	Wool mutton chevon Milk skin Department provide necessary Medical coverage and sufficient system of rearing	Yes
Ruminant	Buffalo	<i>Bubulus bubulis</i>		Two horn, Teeth, long tail, Black, Red Colour		sufficient	Rare	Milk				Yes
Ingulate	Horse	<i>Equus cabaluus</i>		Ingulate, Hairy Tail both lower and Upper Tail		sufficient	Rare	Load Carrier				Yes
	Cat	<i>Felis catus</i>		Sharp canine		Rare	Rare					Yes
	Dog	<i>Canis lupus Familiaris</i>		Sharp canine		sufficient	Rare	Protection				Yes
	Hen	<i>Gallus gallus</i>		Feathered Body, Pointed Beak		sufficient	sufficient	Egg, Meat				Yes

Uses include milk, meat, skin, fur and etc

**Format 16: Culture Fisheries**

1	2	3	4	5	6	7		8	9	10	11	12
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (pond/bheri/ talao)	Local status		Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
						Past	Present					

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





**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	Habitat	Habitat	Local status		Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Safeda	<i>Euclyptus Spp.</i>	Farm Field		More	Less	Own use	Wood			-
Shrub	Simblu	<i>Berberies lycium</i>	Wild		More	Less	Own use	Root and Leaves			-
					More	Less	Own use				-
Herb	Pudina	<i>Mentha arvensis</i>	Wild		More	Less	Own use	Leaves			
Tuber	Potato	<i>Solanum tuberosum</i>	Wild		Less	Less	Own use				
Tree	Simbal	<i>Bombax cieba</i>	Farm Field	Forest	Less	Less	Own use	Wood			
Tree/ Shrub	Dhaman	<i>Grewia optiva</i>	Farm Field		More	More	Own use	Leaves			
Tree	Kamela	<i>Mallotus philippensis</i>		Farm Field	More	Less	Own use	Leaves			
Tree	Kachnar	<i>Bauhinia variegata</i>		Farm Field	Less	Less	Own use	Bhel & Leaves			
Tree	Kathari	<i>Pyrus pashia</i>		Forest/ Farm Field	More	More	Own use	Fruit			
Shrub	Garna	<i>carissa opaca</i>		Forest/ Farm Field	More	More	Own use	Fruit & Leaves			

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

1	2	3	4	5	6
S. No.	Plant	Local Name	Scientific Name	Importance (as economic, social, cultural etc.)	Status
1	Dhaman		<i>Grewia optiva</i>	fooder	
2	Oak		<i>Quercus incana</i>	fooder	
3	Mannu		<i>Ulmus walichaina</i>	fooder	
4	Simblu		<i>Berberis lycium</i>	human medicine	
5	Garna	Garanda	<i>Carissa opaca</i>	Food, Fodder, Medicinal	
6	Branked	Brankad	<i>Adatoda vasica</i>	Medicinal	
7	Timru	Timrui	<i>Zanthoxylum armatum</i>	Mixture & Medicinal	

### 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				
Water cress	<i>Nasturtium officinale</i>		Leafy, Soft	Aquatic	Good	Good	Vegetable			Phari
green algae	<i>Volvox tertius</i>		Thallus Plant	Aquatic	Good	Good	Photosynthesis			Gujjar
Mint/padina	<i>Mentha arvensis</i>		Aromatic	Aquatic	Good	Good	Medicinal			Kashmiri
Wild Mint	<i>Mentha arvensis</i>		Aromatic	Aquatic	Good	Good	Medicinal			
Frog	<i>Rana tigrina</i>		Brownish Small	Aquatic	Good	Good	Eco balance			
Fish	<i>Oncorhynchus mykiss</i>		Scally	Aquatic	Good	Good	food			
Leech	<i>Hirudo medicinalis</i>		Blood Sucker	Aquatic	Good	Good				
Water snake	<i>Nerodia sipedon</i>			Aquatic	Good	Good				
Crab	<i>cancer</i>		Tentacle	Aquatic	Good	Good				

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

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

1	2	3	4	5	6
S. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Water cress	<i>Nasturtium officinale</i>		Feeding & fodder	
2	Green algae	<i>Volvox tertius</i>		Max. Photosynthesis	
3	Mint/padina	<i>Mentha arvensis</i>		Used in food	
4	Wild Mint	<i>Mentha arvensis</i>		Used in medicine	

**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					
Herb	pudina	<i>Mentha arvensis</i>	Home garden		More	Less		Mixture	Arial		
Shrub	Simblu	<i>Berberies lycuim</i>	Wild		More	More		BP control	Leaves		
Herb	Brankad	<i>Adatoda varsica</i>	Wild		Less	Less		Medicinal	Leves and Flowers		
Herb	Timbru	<i>Zanthoxylem armatum</i>	Wild		Less	Less		Mixture, Toothcare	Fruit		

**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					
Maize	<i>Zea mays</i>	Beans	Terrestrial	Good	Good		As food	Grain		Gujjar
Akhrot	<i>Juglans regia</i>	Grasses	Terrestrial	Good	Good		As food	Fruit		Phari
Potato	<i>Solonum tubersum</i>	Beans	Terrestrial	Good	Good		As food	Zhizome		Kashmiri
Beans	<i>Phaselous vulgaris</i>	Maize	Terrestrial	Good	Good		As food and fodder	Fruit		
Mustard	<i>Brassica compestus</i>	Turnip	Terrestrial	Good	Good		Fodder	Whole plant		

Note: Other details may include 'function as a substitute plant' in the absence of a particular plant













**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					
	Mouse	<i>Mus musculus</i>	Land		All season	More	Average					
	Bulbul	<i>Pycnonotidae</i>	Tree		All season	More	More	-	-	-	-	-
	Parrot	<i>Psittaciaformes</i>	Wall		All season	More	Less	-	-	-	-	-
	Lizard	<i>Lacertilia</i>	Water		Summer	More	More	-	-	-	-	-
	Frog	<i>Anura</i>	Soil		Summer	More	More	-	-	-	-	-
	Jackal	<i>Canis aureus</i>	Forest		All season	More	More					
	Monkey	<i>Macaca</i>	Tree		All season	More	More					
	Crow	<i>Corvus</i>	Tree		All season	More	Less					
	Koel	<i>Eudynamys scolopaceus</i>			All season	Less	Less					

**Format 29: Flora**

1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	Oak	<i>Quercus</i>	Tree	Mid Hill		
2	Drank	<i>Melia azadrach</i>	Tree	Mid Hill		
3	Popular	<i>Populus deltoides</i>	Tree	Mid Hill		
4	Khirk	<i>Celtis australis</i>	Tree			
5	Kaw	<i>olea cuspidata</i>	Tree			
6	Kikar	<i>Acacia spp.</i>	Tree	Mid Hill		
7	Timru	<i>Zanthoxylem armatum</i>	Shrub	Barren		
8	Branker	<i>Adatoda vasica</i>	Shrub			
9	Kathari	<i>Pyrus pashia</i>	Tree			
10	Simbal	<i>Bombax cieba</i>	Tree	Mid Hill		
11	Sanduri		Shrub	Low Land		
12	Kankoli		Tree	Mid Hill		
13	Simblu	<i>Berberies lycuim</i>	Shrub	Barren		
14	Garna	<i>carissa opaca</i>	Shrub	Barren		
15	Bhana	<i>Vitex nigundo</i>	Tree	Moist Place		
16	Apricot	<i>Prunus persica</i>	Tree	Low Land		
17	Dhaman	<i>Grewia optiva</i>	Shrub	Mid Hill		
18	Safeda	<i>Eucalyptus globulus</i>	Tree	Mid Hill		
19	Druni	<i>Punica granatum</i>	Shrub	Mid Hill		
20	Aaru	<i>Prunus persica</i>	Tree	Mid Hill		

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	Cat	<i>Felis catus</i>		House	
2	Dog	<i>Canis lupus familiaris</i>		House	
3	Buffalo	<i>Bubalus</i>		House	
4	Cow	<i>Bos tarus</i>		House	
5	Goat	<i>Capra aegagrus hircus</i>		House	
6	Sheep	<i>Ovis aries</i>		House	
7	Crow	<i>Corvus</i>		Tree	
8	Parrot	<i>Psittaciformes</i>		Tree	
9	Frog	<i>Anura</i>		Water/ Land	
10	Lizard	<i>Lacertilia</i>		Wall	
11	Rat	<i>Rattus</i>		Land	
12	Snake	<i>Serpentes</i>		Land	
13	Horse	<i>Equus caballus</i>		House	
14	Cut Worm	<i>Agrotis ipsilon</i>		Leaves	
15	Aphid	<i>Lipaphis erysimi</i>		Leaves	
16	Monkey	<i>Cercopithecidae</i>		Tree	
17	Jackal	<i>Canis aureus</i>		Forest	
18	Hen	<i>Gallus gallus domesticus</i>		House	

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**

<b>1</b>	<b>2</b>	<b>3</b>
<b>Sr. No.</b>	<b>Information of local importance</b>	<b>Remarks</b>
	None	

*End of Part II*