

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Bambliya
Name of taulka / Block:- Sunderbani
District:Rajouri
State:Jammu And Kashmir UT
Geographical Area of the Panchayat Samiti: 978.2HA
Population under the Panchayat Samiti: Total 1889
Male:950 Female:891 Total:1889
Climate (Rainfall, Temperature and weather patterns) Tropical/ Sub Tropical
Land Use (Nine fold classification available with village records)
Date, Month and Year of PBR Preparation: 19-11-2020
Management Regime: Reserve Forest (RF)/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

Annexure 1

Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and seven 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: Smt. Sheetla Devi

Age:52yrs

Gender: Female

Address:Bambliya, Ward No 5

Area of specialization: sarpanch

2) Name: Rattan lal

Age: 47Yrs

Gender: male

Address:Bambliya Ward No 1

Area of specialization: Member

3)Name: Kamlesh Devi

Age: 42yrs

Gender: Female

Address: Bambliya Ward No 2

Area of specialization: Member

4)Name: Toshi Devi

Age:49Yrs

Gender: Female

Address: Bambliya, Ward No 3

Area of specialization: Member

5)Name: Bansi Lal

Age: 45Yrs

Gender: male

Address:Bambliya, Ward No 4

Area of specialization: Member

6)Name: Nirma Devi

Age: 36Yrs

Gender: Female

Address: Bambliya, Ward No 5

Area of specialization: Member

7)Name: Vinod Kumar

Age:32Yrs

Gender: Male

Address: Bambliya

Area of specialization: Member

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 : Balwant Singh,
Age: 60yrs
Gender: Male
Address: Village Kanth, Panchayat Bambliya
Area of specialization: Treatment of snakebite through traditional knowledge
Location from which the person accesses biological material: Agri land plus forest
Perception of the practitioner on the resource status:
Medicinal Use:
2) Name: N/A
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: N/A
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

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

1) Name of the Chairperson: Krishan Lal

Age: 35Yrs

Gender: Male

Address: Bambliya

Area of specialization: Agriculture

2) Name of the Chairperson: Karan Singh

Age: 50 yrs

Gender: Male

Address:Kanth

Area of specialization: Forestry

3) Name of the Chairperson: N/A

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson: N/A

Age:

Gender:

Address:

Area of specialization:

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Annexure 4

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

1) Contact Person:

Name and Address :Khayal Chand (Govt. HS Bambliya)

2) Contact Person: N/A

Name and Address:

3) Contact Person: N/A

Name and Address:

4) Contact Person: N/A

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
NA	NA	NA	NA	NA	NA

End of Part I

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	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>	Kashmiri Basmati	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
Mustard	<i>Brassica juncea</i>	Sarsson		Local & Dry		Normal	Normal	Leaf used as vegetable		Seed Used for oil extraction				
Maize	<i>Zia mays</i>	Makka	Rasi4794, Kh517, Kh-612, DD	Hilly & lower hills		Plenty	Plenty	HYV, Resistant to draught ang lodging	Kharif	Food /Fodder	Stapple food			
Wheat	<i>Triticum aestivum</i>	Gandam	Raj 3765, HD 2967, HD 3086,	Hilly & lower hills		Plenty	Plenty	HYV, Draught resistant, Shaort duration	Rabi	Food / Fodder	Stapple food			
CHICK PEA	<i>Cicer arietinum</i>	Chana	C-235, Gaurav, GNG-469	Sub tropical		Rare	Normal	Medium Yielding	Kharif (May to October)	Source of Protein/Energy	Prefered Food for parties as well as Domestic Consumption			
Okra	<i>Avenmoschus esculentus</i>	Bhindi	Arka Anamika, Versha Uphar, PS, PK,	Sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg				
Brottle Gourd	<i>Legenaria siceraria</i>	Kaddu	PSPL, Punjab Komal	Sub tropical & intermediate		Normal	Normal	Green Veg	Rabi	Swollen stem and leaves are consumed as vegetable	Source of minerals & energy			

Cauliflower	<i>Brassica oleraceae var.botrytis</i>	Ful gobi	Pusa Snow Ball, Pusa Katki, Girja	Sub tropical & intermediate		Normal	Normal	-	Rabi	Curd used as vegetable	Also good source of protein, carbohydrate, phosphorus & iron			
Cabbage	<i>Brassica oleraceae var.capitata</i>	Band gobi	Golden Acre, Pride of India, Green Flesh	Sub tropical & intermediate		Normal	Normal	Round head green colour	Rabi	Head used as vegetable, salad	Also good source of protein, carbohydrate, phosphorus & iron			
Tomato	<i>Solanum lycopersicum</i>	Tamater	Pusa Rubi, Pusa Early Dwarf, Manisha Plus/ local	Sub tropical & intermediate		Normal	Normal	-	Kharif	Rich in Ascorbic acid	Tomatoes are rich in iron & vitamins A and C, calcium, potassium.			
Onion	<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	-	Rabi	Vegetable & Salad use	Good source of dietary fiber, Vitamin B6, C, Potassium and folic acid.			
Potato	<i>Solanum tuberosum</i>	Aaloo	Kufri Sindhuri, Kufri Badsha, Kufri Jyoti	Potato is an herbaceous annual, requires cool weather, mostly rainfed conditions		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			
Peas	<i>Pisum sativum</i>	Matar	Bonneville, Arkel, local var.	Grows under cool conditions, Sub tropical/ Temperate		Normal	Normal	Medium dwarf plant with green well filled pods	Green pods are used as vegetable	-	high in fiber, protein, vitamins, phosphorus, magnesium, copper,			
Chillies	<i>Capsicum annum</i>	Marchwangan	Shalimar long	Plains	--	Plenty	High yielding	kharif	Spices	Vitamin K	Own Seeds, Private/public dealers			
			Kashmari long											
Garlic	<i>Allium Sativum</i>	Rohan	Local/Chinese	Plains	0.4	Plenty	High yielding	Rabi	Vegetable	Food	Own Seeds, Private/public dealers			

Kadam	<i>Brassica oleracea</i>	Bandgobi	Knual Hak,	Planes	--	Plenty	High yielding	kharif	Vegetable	Vitamin A	Own Seeds, Private/public dealers		
			Wari Hak										
Carrot	<i>Daucus carota</i>	Gazaer	Locals		0.1	Plenty	High yielding	Rabi	Vegetable	Food	Own Seeds, Private/public dealers		
Radish	<i>Raphanus sativus</i>	Mujh	Local	Planes	0.1	Plenty	High yielding	Kharif	Vegetable	Protein	Own Seeds, Private/public dealers		
Cucumber	<i>Cucumis sativus</i>	Laid	Local hybrid	plains	0.1	Plenty	High yielding	Kharif	Vegetable	Minerals	Own Seeds, Private/public dealers		
Spianach	<i>Spinacia oleracea</i>	palak	local	planes/highs	0.1	Plenty	High yielding	kharif	Vegetable	Iron	Own Seeds, Private/public dealers		
Sesame	<i>Sesamum indicum</i>	Tilli		Sub tropical		Normal	Normal	Kharif	Vegetable		Own Seeds, Private/public dealers		
Kerela	<i>Momordica charantia</i>			Sub tropical		Normal	Normal	Kharif	Vegetable		Own Seeds, Private/public dealers		
Cucumber	<i>Cucumis sativa</i>	Khera				Normal	Normal	Kharif	Vegetable		Own Seeds, Private/public dealers		

Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Mango	<i>Mangifera indica</i>	Aam	Desi, Dusheri, Malda	Subtropical	Plenty	Plenty	Nurseries	June-August		Fruit, Pickling, Preserves	Marketing, own use	
Citrus fruits	<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.	Marketing, own use	
Guava	<i>Psidium guajava</i>	Amrood	Local, L-49, Allahabadi Safeda etc.	Subtropical	Plenty	Plenty	Nurseries	July-August		Fruit	Marketing, own use	
Grapes	<i>Vitis vinifera michx.</i>	Angoor	Local Dakh, Perlette,	Subtropical, Mid hills	Rare	Rare	Nurseries	July-August		Fruit		
Aonla	<i>Emblica officinalis syn. phyllanthus emblica</i>	Ambla	Local selection, NA-7	Subtropical	Plenty	Plenty	Nurseries, local collection	Nov-Dec		Pickling, Preserves, Juices etc.	Marketing, own use	
Ber	<i>Zizyphus mauritiana lamk.</i>	Ber	gola, Banarasi	Subtropical	Plenty	Rare	local raised	July-August		Fruit	Own use	
Pomegranate	<i>Punica granatum</i>	Anar, Druni	Ganesh, Kandhari, Local	Subtropical, mid hills	Rare	Rare	Nurseries, locally raised, wild	May-August		Fruit, anardana	Own use	

Pear	<i>Pyrus spp.</i>	Nakh	Patharnakh, China pear	Mid hill	Plenty	Plenty	Nurseries	Aug-Sept		Fruit	Own use	
Peach	<i>Prunus persica(L.) batsch.</i>	Aaroo	July Elberta, Quetta	Mid hill	Rare	Rare	Nurseries	June-July		Fruit	Marketing , own use	
Plum	<i>Prunus salicina</i>	Aaloo Bukhara	santa Rosa, Allubukhara	Mid Hills	Rare	Rare	Nurseries, locally raised	July-August		Fruit	Marketing , own use	
Jamun	<i>Syzygium cumini</i>	Jamun	Wild	sub tropical	Rare	Rare	Seeding	March to july		Fruit Seeds	Ownuse/Market	
Mitha	<i>Citrus limetoxides</i>	Mitha	Wild	sub tropical	Rare	Rare	seeding	March to sep		Juice	Ownuse/Market	
Kimb	<i>Citrus medica</i>	Kimb	Wild	sub tropical	Rare	Rare	seeding	March to sep		Juice	Ownuse/Market	
Beal	<i>Aegle maxmalos</i>	Beal	Wild	sub tropical	Planty	Plenty	seeding			Fruit/ Leaf	Ownuse/Market	
Lokhat	<i>Eriobotrya japonica</i>	Lokhat		sub tropical	Planty	Plenty	seeding	Feb to June		Fruit	Ownuse/Market	
Orange	<i>Citrus X sinensis</i>	Santra/Mosami	Hybrid	Semi Hilly	Medium		Horticulture Deptt.	Summer /Winter		Fruit	Self/local Market	
Galgal	<i>Citrus limon</i>	Galgal	wild	sub tropical	Rare	Rare	Nurseries	March to sep				
Banana	<i>Musa acuminata</i>	Kela	Desi	Agri. Land	Available	Rare	Plants	July-Aug	-	Own use	-	

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
				Past	Present					
Oats	<i>Avena sativa</i>	Javi	Sub Tropical / Intermediate	Rare	Rare	Agri Dept /Local	Nutritious & palatable fodder,	Whole plant	Suitable for fodder	Farmers
Sorghum	<i>Sorghum spp</i>	Charry/ Jawar	Sub Tropical / Intermediate	Rare	Plenty	Agri Dept /Local	Source of energy	Whole plant	Suitable for fodder	Farmers
Barseem	<i>Trifolium alexandrinum</i>	Shatala	Sub Tropical / Intermediate	Rare	Rare	Agri Dept /Local	Nutritious & palatable fodder	Whole plant	Suitable for fodder	Farmers
Dhaman	<i>Greira optira</i>		Sub-Tropical	Plenty	Plenty	Wild	Viilage Head	Dry fruit	Contains good ammount of vitamin A&C	Farmers
Toot	<i>Morus alba</i>		Sub-Tropical	Plenty	Plenty	Wild/ Grafting	Medicinal value	Clove	Spice use	Farmers
Maize	<i>Zia mays</i>		Sub-Tropical	Plenty	Plenty	Local/ Agri dept				
Wheat	<i>Triticum aestivum</i>		Sub-Tropical	Plenty	Plenty	Agri Deptt				
Draink	<i>Melia azedarach</i>		Sub-Tropical	Plenty	Plenty	Wild				
Lambgass	<i>Heteropogon contortus</i>		Sub-Tropical	Plenty	Plenty	Local				
Gnail Grass	<i>Avena barbata</i>		Sub-Tropical	Plenty	Plenty	Local/ Agri dept				
Bajra	<i>Pearl millet</i>		Sub-Tropical	Plenty	Plenty	Local/ Agri dept				

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					
1	Guli Danda	<i>Philaris minor</i>	Sitti	Wheat	Compete with crop	Sub Tropical/intermediate	Plenty	Plenty	Nil	Chemical / Manual Control	Source for High quality protein	Local
2	Parathenium	<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
3	Bathua	<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
4	Wild Oats	<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
5	Bhang	<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
6	Barnyard grass	<i>Achinocloa crusgalli</i>	Swanki	Rice/Maize	Compete with crops	Sub Tropical/intermediate	Plenty	Plenty	Fodder & Animals	Chemical / Manual Control	Nil	Local
7	Nut Grass	<i>Cyprus rotundus</i>	Dilla/Motha	Paddy,maize, vegetable	Perennial	Agri. & Non Agri. Land	Plenty	Plenty	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine

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

S.No	Host	Insect/ Animal	Scientific Name	Local Name	Habitat	Time/ Season of Attack	Management mechanism	Associated TK	Other details	Community Knowledge Holder
1	Maize	Blister Beetle	<i>Mylabris phalerata</i>	Bhundi	Sub Tropical/intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
2	Maize	Cut Worm	<i>Agrotis spp</i>	Makki da kida	Sub Tropical/intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
3	Maize	Maize stem Borer	<i>Chilo partellus</i>	Sundi	Chewing & biting		Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers
4	Maize/Wheat	Termite	<i>Odentotermes obesus</i>	Sink	Sub Tropical/intermediate	Kharif/ Rabi	Chemical control	-	Feed on crop leaves	Farmers
5	Brijal/ Tomato	Fruit Borer	<i>Helicoverpa armigera</i>	Sundi	Sub Tropical/intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
6	Wheat, Maize, Rice	Rat	<i>Tatera indica</i>	Chuha	Sub Tropical/intermediate	Kharif/ Rabi	Chemical control	-	Feed on crop leaves	Farmers
7	Maize, Potato	Porcupine	<i>Erethizon dorsatum</i>	Seh	Sub Tropical/intermediate	Kharif/ Rabi	NA	-	Feed potato tubers, vegetables and cobs	Farmers
8	Maize, Wheat, Fruits, vegetable	Monkey	<i>Macaca mulatta</i>	Bander	Sub Tropical/intermediate	Kharif/ Rabi	NA	-	Feed on Fruits and green vegetables, cobs	Farmers
9	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
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
NA								
<p>Note: [1] (D) – day; (M) – month; [2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)</p>								

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 (1769)	Agri	Animal rearing	Hilly							
Muslim (120)	Animal rearing	Agri Culture	Hilly							

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 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
Yellow Soil							
Brown Soil							
Red Soil							
Clayey Soil							
Sandy Soil							
Black Soil							

Domesticated Biodiversity 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						
Orange	Orange	<i>Citrus X sinensis</i>		Subtropical	Available	Available	Horticulture Deptt.	Winter	Self/local Market	Self/local Market	Horticulture Deptt.	
Lemon	Lemon	<i>Citrus X sinensis</i>		Subtropical	Available	Available	Horticulture Deptt.	All Season	Self/local Market	Self/local Market	Horticulture Deptt.	
Guava	Guava	<i>Psidium guajava</i>		Subtropical	Available	Available	Horticulture Deptt.	Summer	Self/local Market	Self/local Market	Horticulture Deptt.	
Peach	Addu	<i>Prunus persica</i>		Subtropical	Available	Available	Horticulture Deptt.	Summer	Own Use			
Pear	Bagugosh communisa	<i>Pyrus communis</i>		Subtropical	Available	Available	Horticulture Deptt.	Summer	Own Use			
Mosammi	Mosammi	<i>Citress sinensis</i>		Subtropical	Available	Available	Horticulture Deptt.	Summer	Own Use			
Pomegranate	Anar	<i>Punica granatum</i>		Subtropical	Available	Available	Horticulture Deptt.	All Season	Own Use			
Mango	Aam	<i>Mangifera indica</i>		Subtropical	Available	Available	Horticulture Deptt.	Summer	Own Use			
Amla	Amla	<i>Emblica officinalis</i>		Subtropical	Available	Available	Horticulture Deptt.	Winter	Own Use			
Bael	Bael	<i>Aegle maxmoilos</i>		Subtropical	Available	Available	Horticulture Deptt.	Summer	Own Use			
Grapes	Angoor	<i>Vitic vinifera</i>		Subtropical	Available	Available	Horticulture Deptt.	All Season	Own Use			
Loquat	Lokhat	<i>Eriobotrya japonics</i>		Subtropical	Available	Available	Horticulture Deptt.	Summer	Own Use			

Format 12: Medicinal Plants (Herbs, Shrubs, Trees etc.)

1	2	3	4	5	6	7		8	9	10	11	12
						Local status						
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of plant/seeds	Past	Present	Uses (usage)	Part used	Associated TK	Other details market/own use	Community/ Know. Holders
Herb	Datura	<i>Datura stramonium</i>					present		Fruit	Aesthetic value	Own use	Local people
Shrub	Aak	<i>Calotropis gigantea</i>					present		Leaves	Aesthetic value	----do----	Local people
Shrub	Nagfani (Cactus)	<i>Prickly pear</i>					present		Leaves	To treat insomnia ,weight loss	----do-----	Local people
Shrub	Amaltas	<i>Cassia Fistula</i>					present			diabetics	----do-----	Local peoples
Shrub	Billan	<i>Aegle marmelos</i>					present		Leaves	Aesthetic	----do----	Local peoples
Tree	Jammun	<i>Syzygium cuminii</i>					present		Fruit	Increases Heamoglobin count	----do-----	Local people
Herb	Tulsi	<i>Ocimum sanctum</i>					present		Leaves	Improves digestion & Aesthetic value	----do-----	
Herb	Pudina	<i>Mentha</i>					present		Leaves	Treat in digestion	----do-----	Local peoples
Shrub	Black berry	<i>Rubus allegh eniensis</i>					present		fruits	Diarrhea treatment	----do-----	Local peoples
Shrub	Kakkar Singhi	<i>Pistacia Khinjuk</i>					present		stem	Treating bronchitis	----do-----	Local peoples

Shrub	Rumbal						present		Root	Skin diseases	----do-----	Local peoples
Tree	Trimbal	<i>Ficus auriculata</i>					present		Fruit	Indigestion treatment	----do-----	Local peoples
Tree	Fakor	<i>Ficus Palmata (Edible)</i>					present		Fruit	Edible fruit	----do-----	Local peoples
Tree	Bhor	<i>Ficus bengalensis</i>					present		Leaves, fruit	Treat diseases of blood and head, ulcers	----do-----	Local peoples
Tree	Aamla	<i>Emblica officinalis</i>					present		Fruit	Vit.c ,improves metabolism	----do-----	Local peoples
Tree	Behra	<i>Terminallia bellirica</i>					present		Fruit	Respiratory diseases	----do-----	Local peoples
Shrub	Harad	<i>Terminalia chebula</i>					present		fruit	Constipation ,diabetis	----do-----	Local peoples
Shrub	Kakoa	<i>Flacourtia indica</i>					present		fruit	Use in snake bite	----do-----	Local peoples
Tree	Kamila	<i>Mallotus phillippensis</i>					present		fruit	Skin diseases	----do-----	Local peoples
Shrub	Kayora	<i>Agave Americana</i>					present		fruit	Intestinal gas and constipation	----do-----	Local peoples
Shrub	Kainth	<i>Pyrus pashia</i>					present		fruit	Fever, headache	----do-----	Local peoples
Tree	Thor	<i>Euphorbia royleana</i>					present		stem	Paralysis ,earpain etc	----do-----	Local peoples

Format 14: Timber Plants / Trees

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ home- garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
				Past	Present					
Tree	Chir	<i>Pinus roxburghii</i>			Present	Wild	Timber			Bakerwal,locals
Tree	Khair	<i>Acacia catechu</i>			Present	Wild	Timber	Medicinal		Locals
Tree	Kambel	<i>Lenea coromendilca</i>			Present	Wild	Timber			Bakerwal
Tree	Tun	<i>Tuna ciliate</i>			Present	Wild	Timber			Locals
Tree	Kamila	<i>Mallotus philippensis</i>			Present	Wild	Timber	Medicinal		Local natives of area
Tree	Phulai	<i>Acacia modesta</i>			Present	Wild	Timber	As tooth brush		Local natives of area
Tree	Draink	<i>Melia azadarach</i>			Present	Wild	Timber	medicinal		Local natives of area
Tree	Toot	<i>Morus alba</i>			Present	Wild	Timber	fruit		Local natives of area
Tree	Tali	<i>Dalbergia Sissoo</i>			Present	Wild	Timber			Local natives of area
Tree	Safeda	<i>Eucalyptus</i>			Present	Wild	Timber			Local natives of area
Tree	Khirak	<i>Celtis australis</i>			Present	Wild	Timber			Local natives of area
Tree	Simbal	<i>Bombax ceiba</i>			Present	Wild	Timber			Local natives of area

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					
Cow	Go	<i>Bos taurus</i>	Both	Milk	Domestic	Medium	Medium	Milk	Veterinary	Yes	Nil	Veterinary
Buffalo	Manj	<i>Bubalus bubalis</i>	Both	Milk	Domestic	Medium	Medium	Milk	Veterinary	Yes	Nil	Veterinary
Goat	Bakri	<i>Capra aegagrus hircus</i>	Both	Milk/ Meat	Domestic	Medium	Medium	Milk/ Meat	Veterinary	Yes	Nil	Veterinary
Sheep	Pid	<i>Ovis aries</i>	Both	Wool/Meat	Domestic	Medium	Medium	Wool/ Meat	Veterinary	Yes	Nil	Veterinary
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/talab)	Local status		Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
						Past	Present					
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	Habit	Habitat	Local status		Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Herb	Snatha	<i>Dodonea viscosa</i>				present	Own use	Leaves	Cordage & Soil binder		Locals
Herb	Brenker	<i>Adhatoda vassica</i>				present	----do----	Leaves	Use in ripening of fruit		Locals
Herb	Bhang	<i>Canibis sativa</i>				present	----do----	Leaves	Sedative		Locals
Herb	Dhatura	<i>Datura metal</i>				present	----do----	Flower	Aesthetic value		Locals
Shrub	Thor	<i>Euphorbia royleana</i>				present	----do----	Stem	Food(mixed with curd)		Locals
Shrub	Akk	<i>Ipomea carnea</i>				present	----do----	Root	Live hedge		Locals
Herb	Jari	<i>Parthenium hysterophrus</i>				present			Weed		Locals
Herb	Anar	<i>Punica grantatum</i>				present	Own use	fruit	Fruit		Locals
Herb	Jojra	<i>Pupalia lappacea</i>				present	----do----	Leaves	Weed		Locals
Herb	Bana	<i>Vitex nigunda</i>				present	----do----	leaves	Aesthetic value & biopesticide		Locals
Shrub	Timbru	<i>Zanthoxylum alatum</i>				present	----do----	Fruit	Appetite booster		Locals
Shrub	Amarbel	<i>Cuscuta reflexa</i>				present	----do----	Stem	Medicinal		Locals
Shrub	Doab grass	<i>Cyanadon dactylon</i>				present	----do----	Leaves	Fodder		Locals
Herb	Puthkanda	<i>Achyranthes</i>				present	----do----	Stem	Aesthetic		Locals
Shrub	Kai	<i>Sacharum spontanum</i>				present	----do----	Leaves	Aesthetic		Locals
Shrub	Giloe	<i>Tinospora cardifolia</i>				present	----do----	Stem	Stomach treatment		Locals
Herb	Tulsi	<i>Ocimum sanctum</i>				present	----do----	Leaves	Aesthetic & Medicinal value		Locals
Climber	Kandoli	<i>Luffa cylintrica</i>				present	----do----	Fruit	Food		Locals

Shrub	Kasrod	<i>Diplazium esculentum</i>				present	----do----	Fruit	Food		Locals
Shrub	Kachalu	<i>Colocasia asculanta</i>				present	----do----	Rhizome	Food		Locals
Shrub	Chaleri saag	<i>Amaranthus veridus</i>				present	----do----	Leaves	grazing		Locals

Format 19: Wild Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Tarad	<i>Dioscorea belophylla</i>		Food	present
2	Simbal	<i>Bombax ceiba</i>		economic	present
3	Pulah	<i>Butea monosperma</i>		Food wrapping items, cultural, aesthetic	present
4	Krangal	<i>Cassia fistula</i>		Medicinal importance	present
5	Safeda	<i>Eucalyptus citrodora</i>		Reduce cough,cold etc	present
6	Trimbal	<i>Ficus auriculata</i>		Fodder,fruit	present
7	Bohar	<i>Ficus bengalensis</i>		Medicinal, cultival Aesthetic	present
8	Fagora	<i>Ficus palmata</i>		Edible fruit,medicinal	present
9	Rumble	<i>Ficus racemosa</i>		Healing power, used in tongue sore	present
10	Kakoa	<i>Flacourtia indica</i>		Used in snakebite,arthritis	present
11	Dhaman	<i>Grewia optiva</i>		Leaf fodder	present
12	Kamila	<i>Mallotus philippensis</i>		As dye,antioxidant	present
13	Aam	<i>Mangifera indica</i>		Fruit	present
14	Draink	<i>Melia azedarach</i>		Medicinal &,timber value	present
15	Toot	<i>Morus alba</i>		Timber	present
16	Chir	<i>Pinus roxburghii</i>		Timber,resin,medicinal	present

17	Jamun	<i>Syzigium cumini</i>		Fruit,medicinal	present
18	Beer	<i>Zyzyphus jujuba</i>		Food, medicinal	present
19	Reetha	<i>Sapindus mukorossi</i>		Medicinal value	present

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				
Mahseer	<i>Tor tor</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Gold mahseer	<i>Tor putitora</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Kaid	<i>Labeo dero</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Punta	<i>Puntius conchanius</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Punta	<i>Puntius sophor</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Punta	<i>Puntius ticto</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Top	<i>Barilius vagra</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Top	<i>Barilius bendelisis</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Lass	<i>Schizothorax</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Moda	<i>Garra gotyla</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Nai	<i>Glyptothorax</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Rohu	<i>Labeo rohita</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Good	Edible	-	-	-
Toad	<i>Duttaphrynus melanostictus</i>	Indigenous fauna	toad	Streams /lakes	good	good		-	-	-
Frog	<i>Sphearopheca breviceps</i>	Indigenous fauna	Frog	Streams/lakes	Good	Good		-	-	-
Bull Frog	<i>Hoplobatrachus piginus</i>	Indigenous fauna	Frog	ponds	good	good		-	-	-
Snake	<i>Krait</i>	Indigenous fauna	snake	Streams/tawi	Good	Good		-	-	-
Snake	<i>Russels viper</i>	Fauna	Snake	Streams/lakes	good	good		-	-	-

Water hyacinth	<i>Eichhornia crassipes</i>	Indigenous fauna	Aquatic plant	Streams/lakes	Good	Good		-	-	-
Water lettuce	<i>Pistia stratiotes</i>	Indigenous fauna	Aquatic plant	Streams/lakes	Good	Good		-	-	-
Lucky 4-leaf clover	<i>Marsillia mutica</i>	Indigenous fauna	Aquatic plant	Streams/lakes	Good	Good		-	-	-
Money wort	<i>Bacopa monnieri</i>	Indigenous fauna	Aquatic plant	Streams/lakes	Good	Good		-	-	-
Water popy	<i>Hydrocleys nymphoides</i>	Indigenous fauna	Aquatic plant	Streams/lakes	Good	Good		-	-	-
Water lilly	<i>lotus</i>	Indigenous fauna	Aquatic plant	Streams/lakes	Good	Good		-	-	-

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Water hyacinth	<i>Eichhornia crassipes</i>	Aquatic plant	Use as eggcollector in breeding of fish	-
2	Water lettuce	<i>Pistia stratiotes</i>	Aquatic plant	Use as eggcollector in breeding of fish	-
3	Lucky 4-leaf clover	<i>Marsillia mutica</i>	Aquatic plant	-	-
4	Money wort	<i>Bacopa monnieri</i>	Aquatic plant	-	-
5	Water popy	<i>Hydrocleys nymphoides</i>	Aquatic plant	-	-
6	Water lilly	<i>lotus</i>	Aquatic plant	-	-

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	Datura	<i>Datura stromanium</i>				present	Used in pooja		Fruit	Own use	Local people
Tree	Billan	<i>Aegle marmelos</i>				present	Liver tonic		Fruit		Local people
Shrub	Banah	<i>Vitex negundu</i>				present	Pesticide		Leaves		Local people
Shrub	Timru	<i>Xanthoxylum alatum</i>				present	Apetite booster		Fruit		Local people
Tree	Fakor	<i>Ficus palmat</i>				present			Fruit		Local people
Tree	Trimbal	<i>Ficus auriculata</i>				present	Fodder		fruit		Local people
Tree	Behra	<i>Terminallia bellerica</i>				present	trifla		Fruit		Local people
Tree	Harad	<i>Terminallia chebula</i>				present	Trifla		Fruit		Local people
Tree	Amla	<i>Emblica officinale</i>				present	Trifla		Fruit		Local people
Shrub	Kakoa	<i>Flacourtia indica</i>				present	Immunity booster		Fruit		Local people
Shrub	Thor	<i>Euphorbia royleana</i>				present	Mixed with curd		Stem		Local people
Shrub	Phulai	<i>Acacia modesta</i>				present	Used as Tooth brush		Branches		Local people
Shrub	Anardana	<i>Punica granatum</i>				present	Chutney		Fruit		Local people
Tree	Kayora	<i>Agave americana</i>				present	Pickles		Fruit		Local people
Herb	Kainth	<i>Pyrus pashia</i>				present	Wild fruit		Fruit		Local people
Shrub	Bhang	<i>Cannabis sativa</i>				present	Sedative		Leaves		Local people

Shrub	ber	<i>Zyziphus jujuba</i>				present	Fodder		Fruit		Local people
Herb	Brenkad	<i>Adhatoda vassica</i>				present	Pesticide		leaves		Local people
Herb	pudina	<i>Mentha</i>				present	Improve apetite		leaves		Local people

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					
Bar	<i>Ziziphus jujube</i>	Zipus mouritiana	Wild	Good	Good	Edible fruit	Fruit			
Kainthi	<i>Pyrus pyrifolia</i>	Pyrus communis	Wild	Good	Good	Edible fruit	Fruit			
Wild Grapes	<i>Vitis vinifera</i>	vitis	Wild	Good	Normal	Edible fruit	Fruit			
Local Mango	<i>Magnifera indica</i>	Magnifera indica	Wild	Good	Normal	Edible fruit	Fruit			

Format 25: Fumigate / Chewing Plants

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
Shrub	Nimbu	<i>Citrus lemon</i>		Slopy/plain		present	As food	Fruit	Vit.c source		Local people
Herb	Puthkanda	<i>Achyranthes aspera</i>		Hilly		present	Medicine	Leaves	Aesthetic value		Gujjar
Shrub	Lemon	<i>Cymbopogon citrates</i>		Plain		present	Medicine	Leaves		Gujjar
	Grass										
Tree	Khair	<i>Acacia catechu</i>		Hilly		present	Timber	Stem	conjunctivitis		bakerwal
Herb	Payaz	<i>Allium cepa</i>		Plain		present	Food	Stem	Diabetis		Gujjar
Herb	Thoom	<i>Allium sativum</i>		Plain		present	Food	Bulb	High b.p		Gujjar
Herb	Adhrak	<i>Zingiver officinale</i>		Plain		present	Food	Root	digestion		Bakerwal
Tree	Neem	<i>Azadiracheta indica</i>		plain		present	medicine	All	Leprosy		Mix
Tree	Simbloo	<i>Berberis lyceum</i>		Hilly		present	Medicine	All	Diabetis		Mix
Herb	Gungloo	<i>Brassica rapa</i>		Plain		present	Food	Root	Veg		Locals
Shrub	Bhang	<i>Cannibus sativa</i>		Hilly /plain		present	Medicine	Leaves	Sedative		Locals
Tree	Papita	<i>Carica papaya</i>		Plain		present	Food	Fruit	Fruit		Locals
Herb	Haldi	<i>Turcuma longa</i>		Hilly		present	Food	Root	Antiseptic		Locals
Shrub	Brenker	<i>Adhatoda vasica</i>		Hilly		present	Medicine	Leaves	preservative		Locals
Shrub	Geloy	<i>Tinospora cardifolia</i>		Plain/hilly		present	Medicine	Stem	pharmaceutical		Locals
Herb	aloevera	<i>Withinia somnifera</i>		Plain/slopy		present	medicine	All	Skin treatment		Locals

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>			Present	Resin	Timber		Bakerwal and local public
Tun	<i>Tuna ciliata</i>			Present	Timber	Cotton fiber		Local natives of area
Drek	<i>Melia azadirach</i>			Present	Medicinal	Timber		Local natives of area
Toot	<i>Morus alba</i>			Present	Timber	Fruit		Local natives of area
Tali	<i>Dalbergia sisoo</i>			Present	Timber	Timber		Local natives of area
Safeda	<i>Euclyptua globalus</i>			Present	E. Oil	Timber		Local natives of area
Khirak	<i>Celtis australis</i>			Present	Timber	Edible seed		Local natives of area

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					
Carnivore	Eil	<i>Aegyptus monachus arboreal</i>		Bird			Present	Scvanger				Local natives of area
Herbivore	Titli	<i>Précis hierta arboreal</i>		Insect			Present	Nector collector				Locals
Omnivore	Trida	<i>Poecilocerus pictus</i>		Insect			Present	Pollination				Locals
Omnivore	Murga	<i>Gallus galus</i>		Bird			Present	Eggs				Bakerwal
Carni	Kaag	<i>Corvus splendens</i>		Bird			Present	Bioremediation				Bakerwal
Omni	Papiya	<i>Clamotor jacopines</i>		Bird			Present	Pollination				Locals
Carnivore	Demak	<i>Calotermes domesticus</i>		Insect			Present	Decomposer				Locals
Carnivore	Kronkal	<i>Scolopendra morsitans</i>		Insect			Present	Decomposer				Locals
Herbivore	Khargosh	<i>Lepus nigricolis</i>		Mammal			Present	Meat				Locals
Carnivore	Chamgadard	<i>Pteropus gigantea</i>		Mammal			Present	pollination				locals
Carnivore	Mynah	<i>Acridotheres tristis</i>		bird			Present	Pollination				Locals
Carnivore	Gedhad	<i>Canis aureus</i>		Mammal			Present	Carnivorus				Locals
Omnivore	Gilhari	<i>Fanambulus pennati</i>		Mammal			Present					Locals
	Chakki	<i>Helix aspera</i>		Insect			Present	Pollination				Locals
Omnivore	Bagla	<i>Bubalcuribis</i>		Bird			Present	Scavenger				Locals
Carnivore	Mendak	<i>Rana tigrina</i>		Amphibian			Present	Scavenger				Locals
Herbivore	Madhumakhi	<i>Apis dorsata</i>		Insect			Present	Honey				Locals
Omnivore	Moor	<i>Pavo cristatus</i>		Bird			Present	Aesthetic value				Locals
Carnivore	Saamp	<i>Naja naja</i>		Reptile			Present				Locals
Omnivore	Bander	<i>Simiformes catarrhini</i>		Mammal			Present				Locals
Carnivore	Leopard	<i>Panther pardus</i>		mammal			Present				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.)
NA	NA	NA	NA	NA	NA	NA	NA

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 31: Any other information of local importance

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

End of Part II