People Biodiversity Register (PBR): General Details

Name of Panchayat Samiti- KEWAL UPPER
Taluk: Budhal
District: Rajouri
State: Jammu And Kashmir
Geographical Area of the Panchayat Samiti: Hilly
Population under the Panchayat Samiti: Total 4100
Male - 2400 Female- 1700
Habitat and Topography: Hilly
Climate (Rainfall, Temperature and weather patterns) Rainfall
Land Use (Nine fold classification available with village records)
Date, Month and Year of PBR Preparation 2020-21 - 19-03-2021
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 Panchalocal body; not less than one third to be women and not less than 18%	ayat (One elected Chairperson and six persons nominated by the % belonging to SC/ST)
1)Name of the Chairperson: Gulshan begum	Contact no - 6005002147
Age:-35	
Gender:Male	
Address:-Budhal	
Area of specialization: Sarpanch	
2) Name:Afroza akhtar	
Age: 29	
Gender:Female	
Address:kewal upper	
Area of specialization: Housewife	
3)Name:nazia koser	
Age:26	
Gender:female	
Address:kewal upper	
Area of specialization : Housewife	
4)Name:bilal ahmad	
Age:28	
Gender:male	
Address:kewal upper	
Area of specialization: Labourer	
5)Name:shamim akhtar	
Age:26	
Gender:female	
Address:kewal upper	
Area of specialization:	
6)Name:shakela begum	
Age:30	
Gender:female	
Address:kewal upper	
Area of specialization: Housewife	
7)Name:rubina koser	
Age:32	
Gender: Female	
Address:kewal upper	
Area of specialization: Housewife	

Annexure 2

List of Vaids, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village
1) Name:
Age:
GENDER:
Address:
Area of specialization:
Location from which the person accesses biological material: local/non local
Perception of the practitioner on the resource status:less local resources availble
Medicinal Use:
2) Name :
Age:
GENDER:
Address:
Area of specialization:
Location from which the person accesses biological material: local/non local
Perception of the practitioner on the resource status:less local resources availble
Medicinal Use:

Annexure 3

List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and foresty
1) Name :MOHD ASHFAQ
Age:37
Gender:male
Address:KEWAL UPPER
Area of specialization:Agriculture
2) Manzoor Ahmed
Gender - Male
Specialization - Farmer
3) Ishfaaz
Gender - Male
Specialization - Agriculture

Annexure 4

De org	tails of schools, colleges, departments, universities, government institutions, non-governmental ganization and individuals involved in the preparation of the PBR
1)	Contact Person: Mohd. Shabir
	Name and Address: Degree College
2)	Contact Person: Ishfaaq (6005002147)
	Name and Address: Labourer
3)	Contact Person:
	Name and Address:
4)	Contact Person:
	Name and Address:
Yo	u may add names of more institutions/NGO/Individuals etc, if necessary

Annexur	e 5				
Detail of	access to biological resources an	d traditional knowledge grante	d, details of the collection f	ee imposed and details of the	e benefit derived and the mode of their sharing
S.no	Name and address of the Person/Institute/company others	Local and Scientific Name of the biological material Accessed and quantity	Date and resolution of the BMC and endorsement by the Panchayat	Detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared
	-	•	End of Part I		

FORMAT-1: CROP PLANTS

			1 1				Local	Status		Ci				
S.No	Crop	Scientific Name	Local Name	Variety	Land Scape / Habitat	Approx area sown	Past	Present	Special feature	Cropping season	Uses	Associated TK	Other Details	
1	Rice	Oryza sativa	Dhan	K-39,K-343, G-14	Hilly terrain		Plenty	Plenty	Medium height, resistant to draught,	Kharif	Food /Fodder	Stapple food		
2	Maize	Zea mays	Makka	Rasi4794, Kh517, Kh-612, DD	Hilly & lower hills		Plenty	Plenty	HYV, Resistant to draught ang lodging	Kharif	Food /Fodder	Stapple food		
3	Wheat	Triticum aestivum	kanah											
4	Sarso	Brassica juncea												
	Vegetables													
1	Okra	Abelmoschus esculentus	Bhindi	Arka Anamika, Versha Uphar, PS, PK,	Sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	
2	Brinjal	Solanum melongena	Bangun	PPL,PPC, PH4, BR112	Sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	
3	Potato	Solamum tuberosum	Aaloo	Kufri Sindhuri,Kufri Badsha, Kufri Jyoti	Potato is an herbaceous annual, requirs 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	Rabi	
4	Peas	Pisum sativum	Matar	Bonneville, Arkel, local var.	Grows under cool conditions,Sub tropical/ Temprate		Normal	Normal	Medium dwarf plant with green well filled pods	Green pods are used as vegetable	-	High in fiber, protein, vitamins, phosphorus, magnesium, copper,	Rabi	
5	Moong	Vigna radiata	Mungi					Normal				Proteins		
6	Maa	Vigna mungo	Maah					Normal				Proteins		
7	Kidney beans	Phaseolus vulgaris	Rajma					Normal				Stapple food in proteins	Rabi	
								Normal						

Format 2: Fruit Plants

Diame	Scientific Name	T 1 N	W	Landscape/	Loca	1 Status	Source of Seed	Season of	A	T	Other details	Communicate/
Plant	Scientific Name	Local Name	Variety	Habitat	Past	Present	/Plants	Fruiting	Associated TK	Uses	market/Own use	Knowledge holder
Guava	Psidium guajava	Amrood	Local, L-49, Allahabadi Safeda etc.	Subtropical	Plenty	Plenty	Nurseries	July-August		Fruit	Maketing, own use	
Pomegranate	Punica granatum	Anar, Druni	Ganesh, Kandhari, Local	Subtropical,Mid hills	Rare	Rare	Nurseries, locally raised, wild	May-August		Fruit, anardana	Own use	
Apple	Malus domestica	Sabe	Red Delcious, Golden Delocious, Maharaji, American etc.	Temperate	Rare	Plenty	Nurseries	Aug- Oct.		fruit, value addition	Maketing , own use	
Citrus fruits	Citrus spp.	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	
Pear	Pyrus spp.	Nakh	Patharnakh, China pear	Mid Hill	Plenty	Plenty	Nurseries	Aug-Sept		Fruit	Own use	
Peach	Prunus persica	Aaroo	July Elberta, Quetta	Mid Hill	Rare	Rare	Nurseries	June-July		Fruit	Maketing, own use	
Apricot	Prunus armeniaca	Khubani, Sadi	local apricot, Bebco	Mid Hill	Plenty	Plenty	Nurseries	June-July		Fruit	own use	
Walnut	Juglans regia	Akrote	Burzal, Kagzi, hard shelled	Temperate	Plenty	Plenty	Nurseries, locally raised	Sept-Oct		Dry fruit	Maketing, own use	
Pecan	Carya illinoenis	Pecan	Western shelley	Mid hills /Temperate	Rare	Rare	Nurseries	Sept-Oct		Dry Fruit	Marketing	
Plum	Prunus salicinia	Aaloo Bukhara	Santa rosa, Allubukhara	Mid Hills	Rare		Nurseries, locally raised	July-August		Fruit	Maketing , own use	

FORMAT-3: FODDER CROPS/SPICES

S.No	Plant	Scientific Name	Local	Land Scape/ Habitat		l Status	Source of plants/	Associated TK	Part Used	Other details	Community/ Knowledge holder	
5.110	1 Iant	Scientific Name	Name		Past	Present	seeds	Associated TK	Tart Oseu	Other details		
1	Ginger	Zingiber officinale	Adrak	Sub Tropical / Intermediate	Rare	Rare	Agri Dept /Local	Medicinal value	Rhizome	Spice use	Farmers	
2	Garlic	Allium sativum	Thom	Sub Tropical / Intermediate	Rare	Rare	Agri Dept /Local	Medicinal value	Clove	Spice use	Farmers	
3	Wild onion	Allium cepa	Pyaaz		Normal	Normal	Agri Dept /Local	Medicinal value		Fodder	Farmers	
4	Barnyarf grass	Achinocloa crusgalli	Swanki		Normal	Normal	Agri Dept /Local	Energy		Fodder	Farmers	
5												

FORMAT-4: WEEDS

Γ	S.No	Plant	Scientific Name	Local Name	Affected Crop	Impact	Land Scape / Habitat	Local Status		Hees if Any	Management Options	Associated TK	Other details like exotic	Community /
	5.110	1 lant	Scientific Ivanie					Past	Present	USES II Ally	Management Options		Other details like exotic	Knowledge holder
	1	Bathua	Chinopodium album	Bathua	Wheat, Vegetables	Compete with main crops for space and	Sub Tropical/ intermediate	Plenty	Plenty	Leavy vegetable	Chemical Control	Rich Source of protein, Vit. A, Calcium, Phosporous &	Used as green vegetable	Farmers
	2	Wild Oats	Avena spp.	Jungli Javi	Wheat	Compete with main crops for space and	Sub Tropical/ intermediate	Plenty	Plenty	Green Fodder for animal	Chemical / Manual Control	Source for High quality protein	Local	Farmers
	3	Bhang	Cannabis sativa	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

FORMAT 5: PESTS OF CROPS

S.No	Host	Insect/ Animal	Scientific Name	Local Name	Habitat	Time/ Season of Attack	Management mechanism	lanagement mechanism Associated TK		Community Knowledge Holder
1	Rice	Rice Hispa	Dicladispa armigera	Kali Pundi	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
2	Rice	Stem Borer	Scirepophaga incertulas	Dhain ka Kida	Sub Tropical/ intermediate	Kharif	Chemical control	Chemical control -		Farmers
3	Maize	Blister Beetle	Mylabris phalerata	Bhundi	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
4	Maize	Cut Worm	Agrotis spp.	Makki da kida	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
5	Miaze, Potato	Porcupine	Erethizon dorsatum	Seh	Sub Tropical/ intermediate	Kharif/ Rabi	NA	-	Feed potato tubers, vegetales and cobs	Farmers
6	Mustard	Aphid	Lipaphis erysimi	Aphid/ Tella	Sub Troopical/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
	Monthly	Sheep	5	Local	Local	None		
		Goat	2	Local	Local			

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
Sikhs	Agriculture	Animal Husbandry	Hilly		Rotational Cropping			Poor		0
Hindus	Agriculture	Husbandry	Hilly		Rotational Cropping		Brahmin	Poor		12
		Trasbundry					SC	Poor		
Muslims	Agriculture	Animal Husbandry	Hilly		Rotational Cropping					
		Trusbandry					Others	Poor		735
							ST	Poor		80
										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 Agricultural land	Landscape Pond	es Fallow land	Sub - Landscapes	Features and approx. area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Agric	ıltural land		Irrigated			Rice	Frog		Rotational Cropping	Edible			
			Unrrigated			Wheat	Insects		Rotational Cropping	Edible			
						Maize							
						Fruit Trees							

Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements

Format 9: Waterscape

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Rivers	Streams			Submerged Plants	Frog							
				Floating	Fish							
					Crabs							

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

Format 10 : Soil Type

1	2	3	4	5	6	7	8
Soil Type	Colour & texture	Features	Soil Management	Plants/Crop suitable	Flora and Fauna	Associated Tk	Other Information
Clay	Brown & soft	Less Acidic	Normal	Oak	Kail		
Sandy	Grey & rough			Bankhori	Oak		
Black	Black & soft			Chikri	Kail		
				Kail	Safeda		
				Safeda	Beesa		
				Fir	Bear		
				Beesa	Jackel		
				Maize,wheat,Rice	Lepard		

Format 11: Fruit Trees

1 2 3 4 6 7 8 9 10 11 12 13											
2	3	4	6		7	8	9	10	11	12	13
Local Nama	Scientific Name	Variety	Landscano/ Habitat		ıl Status	Source of	Season of	Usos (usogo)	Associated TK	Other details	Community/
Local Name	Scientific Name	variety	Lanuscape/ Habitat	Past	Present	plant/seeds	Fruiting	Oses (usage)	Associated 1 K	use	Know. holder
Pomegranate	Punica granatum		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Apple	Malus domestica		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Pear	Pyrus spp.		Wild as well as cultivated		Abundant	Local	Summer	Fruit		Local	
Walnut	Jugians regia				Abundant	Local				Own use + Market	
Plum	Pranus domestica				Abundant	Local				Own use + Market	
Peach	Pranus persica				Abundant	Local				Own use + Market	
	Pomegranate Apple Pear Walnut Plum	Local Name Scientific Name Pomegranate Punica granatum Apple Malus domestica Pear Pyrus spp. Walnut Jugians regia Plum Pranus domestica	Local Name Scientific Name Variety Pomegranate Punica granatum Apple Malus domestica Pear Pyrus spp. Walnut Jugians regia Plum Pranus domestica	Local Name Scientific Name Variety Landscape/ Habitat Pomegranate Punica granatum Wild as well as cultivated Apple Malus domestica Wild as well as cultivated Pear Pyrus spp. Wild as well as cultivated Walnut Jugians regia Plum Pranus domestica	Local Name Scientific Name Variety Landscape/ Habitat Local Past Pomegranate Punica granatum Wild as well as cultivated Apple Malus domestica Wild as well as cultivated Pear Pyrus spp. Wild as well as cultivated Walnut Jugians regia Plum Pranus domestica	Local Name Scientific Name Variety Landscape/ Habitat Local Status Pomegranate Punica granatum Wild as well as cultivated Abundant Apple Malus domestica Wild as well as cultivated Abundant Pear Pyrus spp. Wild as well as cultivated Abundant Walnut Jugians regia Abundant Plum Pranus domestica Abundant	Local Name Scientific Name Variety Landscape/ Habitat Local Status Source of plant/seeds Pomegranate Punica granatum Wild as well as cultivated Abundant Local Apple Malus domestica Wild as well as cultivated Abundant Local Pear Pyrus spp. Wild as well as cultivated Abundant Local Walnut Jugians regia Abundant Local Plum Pranus domestica Abundant Local	Local Name Scientific Name Variety Landscape/ Habitat Local Status Source of plant/seeds Season of Fruiting Pomegranate Punica granatum Wild as well as cultivated Abundant Local Summer Apple Malus domestica Wild as well as cultivated Abundant Local Summer Pear Pyrus spp. Wild as well as cultivated Abundant Local Summer Walnut Jugians regia Abundant Local Abundant Local Plum Pranus domestica Abundant Local Local	Local Name Scientific Name Variety Landscape/ Habitat Local Status Source of plant/seeds Season of Fruiting Uses (usage) Pomegranate Punica granatum Wild as well as cultivated Abundant Local Summer Fruit Apple Malus domestica Wild as well as cultivated Abundant Local Summer Fruit Pear Pyrus spp. Wild as well as cultivated Abundant Local Summer Fruit Walnut Jugians regia Abundant Local Local Plum Pranus domestica Abundant Local Local	Local Name Scientific Name Variety Landscape/ Habitat Local Status Source of plant/seeds Season of Fruiting Uses (usage) Associated TK Pomegranate Punica granatum Wild as well as cultivated Abundant Local Summer Fruit Apple Malus domestica Wild as well as cultivated Abundant Local Summer Fruit Pear Pyrus spp. Wild as well as cultivated Abundant Local Summer Fruit Walnut Jugians regia Abundant Local Local Image: Company of the properties of the plant/seeds Plum Pranus domestica Abundant Local Local Image: Company of the plant/seeds	Local Name Scientific Name Variety Landscape/ Habitat Local Status Source of plant/seeds Season of Pruiting Uses (usage) Associated TK Other details market/own use Pomegranate Punica granatum Wild as well as cultivated Abundant Local Summer Fruit Local Apple Malus domestica Wild as well as cultivated Abundant Local Summer Fruit Local Pear Pyrus spp. Wild as well as cultivated Abundant Local Summer Fruit Local Walnut Jugians regia Abundant Local Local Own use + Market Plum Pranus domestica Abundant Local Coal Own use + Market

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

1	2	3	4	5	6		7	8	9	10	11	12
Di t T	Local	Octobre None	3 7	Landscape/	Source of	Loca	al status	Harr (Harry)	Dest Head	Associated	Other details	Community/Know.
Plant Type	Name	Scientific Name	Variety		Plant/Seeds	Past	present	Uses (Usage)	Part Used	TK	Market/O wn use	Holders
Tree	Akhrot	Juglan regia		Forest	Natural			Antoxidant	Bark,Fruit		Own use	Aware
Herb	Gucchi	Morchella esculanta		Forest	Natural			Antiboitic	Fruit		Own use	Aware

		I	Format 13	3 : Ornamental	Plants/Trees/Clin	nbers 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	Rhododendron arboreum		Natural	Non.Commercial				
Shrubs	Rose	Rosa indica		Cutting	Commercial				

				Format	14 : Timb	per Plants/Trees				
1	2	3	4		5	6	7	8	9	10
DI	LandNama	Colonida None	Habitat	Local Statu		W/11/H	n Other uses (multi	Associated TIV	04l D -4 - 'l	Committee Warren Haller
Plant type	Local Name	Local Name Scientific Name Habitat Past Prese		Present	Wild/Home-garden	Other uses (multi)	Associated TK	Other Details	Community/Know. Holder	
Tree	Kail	Pinus walichaina	Forest	Good	Good	Wild	Fuel			
Tree	Fir	Abies pindrow	Forest	Good	Good	Wild	fuel			
Tree	Popular	Populus deltoides	Forest	Good	Good	wild	Fuel			

Format 15: Domesticated Animals

1	2	3	4	5	6	7	,	8	9	10	11	12
Animal Types	Local	Scientific Name	Breed (local by	Features	Method of	Local Status		Uses	Associated TK	Commercial	Other detail including	Community
Animai Types	Name	Scientific Name	Bird)	reatures	keeping	Past	Present	Uses	Associated 1 K	rearing	products and services	know holders
Small Ruminants	Sheep Goat	Ovis aries Capra hircus	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

Format 16: Culture Fisheries

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

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

Format 17: Markets / Fairs for Domesticated Animals, Medicinal Plants and other products

1	2	3	4	5	6	7	8	9
Name of the Weekly Market / Fair	Location	Weekly / Fortnightly & Others Bi-annual / Annual	Day held	Month incase of bi-annual or annual market fair	Types of animal bought and sold	Number of animals (average) transacted in a day	Places from where the animals are arrived	Places to where the animals are transported

	WILD BIODIVERSITY											
		I	Format 18: Tr	ees, Shru	bs, Herbs	s Tubers, G	Frasses, Climbe	rs etc.				
1	2	3	4	5		6	7	8	9	10	11	
		0.1.10.27			Loca	l Status	Commercial/Own				Community	
Plant type	Local Name	Scientific Name	Habit	Habitat	Past	Prsent	uses	Part collected	Associated TK	Other Details	Know. Holder	
	Mannu	Ulmus walichaina										
	Chikri	Buxus walichiana		Forest		Good	Own use					
	Kucch	Vibrum grandifolia		Forest		average	Own use					
	Simblu	Berberis lycium		Forest		average	Own use					

	Format 19 : Wild Plant Species of Importance												
1	2	3	4	5	6								
S.No.	Local Name	Scientific Name	Variety	Importance (As economic, social, cultural etc.)	Status								
1	Kail	Pinus walichiana		Timber									
2	Fir	Abies pindrow											
3	Oak	Quercus incana											
4	Toote	Morus alba											
5	Dhaman	Grewia optiva											
6	Phulwari	Rosa ascularis											
7	Chikri	Buxus walichaina											
8	Kucch	Vibrum grandifolia											
9	Simblo	Berberis lycium											

	Format 20 : Aquatic Biodiversity														
1	2	7	8	9	10										
Local Name	scientific Name	Variety	Features	Habitat	Local	status	Uses	Associated TK	Other	community/Know.					
Local Name	scientific Name	variety	reatures	парнас	Past	Present	Uses	Associated 1 K	Details	Holder					
Bach	Acorus calamus		Rhizome	Aquatic	Good	Good	Medicinal								
Frog	Rana tigrina		Brownish Small	Aquatic	Good	Good	Eco balance								
Fish	Oncorhynchus mykiss		Scally	Aquatic	Good	Good	food								
Leech	Hirudo medicinalis		Blood Sucker	Aquatic	Good	Good									
Water snake	Nerodia sipedon			Aquatic	Good	Good									
Crab	Scylla serrata		Tentacle	Aquatic	Good										

	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	Nasturtium officinale		Feeding & fodder									
2	Green algae	Volvox tertius		Max. Photosynthesis									
4	Wild Mint	Mentha arvensis		Used in medicine									
5	Bach	Acorus calamus		Used in medicine									
6	Lichen			Air pollution indicator									

	Format 22 : Wild Plants of Medicinal impoartance														
1	2	9	10	11											
Plant (Herb,	Local Name	Scientific Name	Variety	Landscape/	Local	status	Associated TV	Uses (Usego)	Part used	Other Details	Community/				
shrub, Tree)	Local Name	Scientific Name	variety	Habitat Past Present Associated TK Use		Uses (Usage)	r art useu	Market/own use	knowledge Holder						
Herb	Gucchi	Morchella esculanta		Forest	Good	Average			Whole						
Herb	Banafsha	Viola oderata		Forest	Good	Average			Flower						
Shrub	Simblu	Berberis lycium		Forest	Good	Average			Roots						
Shrub	Harduli	Rhododendron arboreum		Forest	Good	Average			Flower						

	Format 23: Wild relatives of Crop														
1	1 2 3 4 5 6 7 8 9 10														
Local Name				Local	status	Associated TK		D	Other Details	Community/ knowledge					
Local Name	Scientific Name	Associated Crop	Landscape/ Habitat	Past	Present		Uses (Usage)	Part used		Holder					
Maize	Zea mays	Beans	Terrestrial	Good	Good		As food	Grain		Gujjar					
Mustard	Brassica compestus	Turnip	Terrestrial Good Good Fodder Whole 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/ Know. Holder							
Phulwari	Rosa ascolaris		Forest	Non-commercial										
Kuchh	Viburnm grandiflonum		Forest	Non-commercial										
Rose	Rosa indica		Forest	Non-commercial										

	Format 25: Fumigate/Chewing Plants														
1	2	3	4	5		5	7	8	9	10	11				
Plant (Herb,		G . de N	3 7	TT 1.2	Local status			н ж	ъ .	Other Details	Community/				
shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Past	Present	Associated TK	Uses (Usage)	Part used	(Mode of use)	knowledge Holder				
Herb	Gotal Marigold	Tagetes spp		Agri-Land	Good	Good			Flower						
Herb	Saunf	Foeniculum vulgaris		Agri-Land	Good	Good			Flower						
Shrub	Phulwari	Rosa ascularis		Dry Land	Good	Good			Flower		Pahari				
Herb	Mint	Mentha arvensis		Mist Place	Good	Good			Leaf		Gujjar				
Herb	Banafsha	Viola odorata		Dry land	Good	Good			Flower		Kashmiri				
Herb	Methi	Trigonala faunum		Agri-Land	Good	Good			Fruit						

	Format 26: Timber Plants														
1	2	3	4		5	6	7	8							
LandMana	Scientific Name	Habitat	Local stat	tus	Other uses, if	A	Other	Community/ Knowledge							
Local Name	Scientific Name	Habitat	Past Present		any	Asscoiated Tk	Details	Holder							
Kail	Pinus walichiana	Forest	Good	Fuel											
mannu	Ulmus walichaina	Forest	Good	Fuel											
Oak	Quercus incana	Forest	Good	Fodder, fuel											
Fir	Abies pindrow	Forest	Good	Fuel											
Chikri	Buxus walichiana	Forest	Good	Fodder, fuel											

1	2	3	4		5	6	7	8	9	10
				Loca	l Status	_				
Plant Type	Local Name	Scientific Name	Habitat	Past	Present	Parts Collected (if any)	Commercial Uses (if any)	Other Uses	Associated TK	Community/ Knowledge Holder

1	2	3	4		5	6	7	8	9	10
	Land			Loca	Status	Donts	Commonsial Hans			
Animal Type	Local Name	Scientific Name	Habitat	Past	Present	Parts Collected (if any)	Commercial Uses (if any)	Other Uses	Associated TK	Community/ Knowledge Holder
			l					l		

							Form	at 28: wild	Animals (Mamm	als, Birds, Repti	iles, Amphi	bia, Insects, Others)
1	2	3	4	5	6	7		8	9	10		12
						Loca	l Status					
Animal type	Local Name	Scientific Name	Habitat	Description	Season when Seen	Past	Present	Uses	Associated TK	Mode of Hunting , Collecting (if any)	Other Detail	Community know. Holder
Mammals	Leopard	Panthera pardus	Forest		All season	Good	Good					
	Bear	Ursus arctos	Forest		All season	Good	Good					
	Jackel	Canis aureus	Forest		All season	Good	Good					
	Goat	Capra aegagrus hircus	Forest		All season	Good	Good					
Reptiles	Snake	Serpentes	Forest		All season	Good	Good					
	Lizard	Hemidactylus frenatus	Forest		All season	Good	Good					
Amphibia	Frog	Rana temporaria	Forest		All season		Good					
Insects	Hosefly	Musca domestica	Forest		All season	Good	Good					
	Honey bee	Apis dorsata	Forest		All season	Good	Good					
	Grass hopper	Melanoplus differentialis	Forest		All season	Good	Good					

Format 29: Flora

	_	_				
1	2	3	4	5	6	7
S.No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)

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
S.No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
	Cow	Bas taurus	Mammal	Domestic	Common
	Buffalo	Babalus bubalis	Mammal	Domestic	Common
	Goat	Capra aegagrus	Mammal	Domestic	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			
S.No.	Information of local importance	Remarks			
	Wallnuts	Abundant			
End of Part II					