People Biodiversity Register (PBR): General Details	
Name of the Panchayat Samiti:- Bupp	
Taluk: Chenani	
District: Udhampur	
State / UT: Jammu & Kashmir	
Geographical Area of the Panchayat Samiti:	
Population under the Panchayat Samiti: Total: 2396	
Male: 1210 Female: 1186	
Habitat and Topography: HILLY	
Climate (Rainfall, Temperature and weather patterns)	
Land Use (Nine fold classification available with village records)	
Date, Month and Year of PBR Preparation:- 10/2020	
Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned Areas(PA)/ Comm	est(

Anne Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six per 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: Fakir Chand S/o Netar (OC) **Age:** 70 Gender: Male Address: Bupp Area of specialization: 2) Name: Chail Singh S/o Jiju (ST) **Age:** 50 Gender: Male Address: Bupp Area of specialization: 3) Name: Suram Chand S/o Chidu (SC) **Age:** 60 Gender: Male Address: Bupp Area of specialization: 4) Name: Amru S/o Massu (SC) **Age:** 68 Gender: Male Address: Bupp Area of specialization: 5) Name: Sansar Chand S/o naseeb chand (OC) **Age:** 58 Gender: Male Address: Bupp Area of specialization: 6) Name: Raj Kumari W/o Rumal Chand (OC) **Age:** 60 Gender: Female Address: Bupp Area of specialization:

7) Name: Gayatri devi W/o Chail Singh (ST)

**Age:** 47

Gender: Female
Address: Bupp
Area of specialization:

Anne
List of Vaids, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources oc within the jurisdiction of the village
1) Name :Chail Singh S/o JIJU
Age: 50 yrs
Gender: Male
Address: R/o BUPP
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
2) Name: Fallal chand S/o Amar chand
Age: 50 yrs
Gender: Male
Address:R/o BUPP
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
3) Name: Suram Chand S/o Chidu
<b>Age:</b> 60 yrs
Gender: Male
Address: R/o Bupp
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:

List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture foresty
1) Name of the Chairperson: Saran Dass S/o Deedal
Age: 62 years
Gender:Male
Address: Ward no: 5 R/o BUPP
Area of specialization: Knowledge of fisheries
2) Name of the Chairperson: Parkesh chand S/o Saroop chand
Age: 60 yrs
Gender: Male
Address: ward no: 01 R/o BUPP Knowledge of horticulture
Area of specialization:
3) Name of the Chairperson:Kartar Singh S/o Sahnkar Singh
Age: 53 yrs
Gender:Male
Address: ward no-: 03 R/o BUPP
Area of specialization: Agriculture
4) Name of the Chairperson: Chanchal chand S/o Krishan chand
Age: 55 yrs
Gender: Male
Address: Ward no: 02 R/o BUPP
Area of specialization: Foresty

		Annexure 4
	etails of schools, colleges, departments, universities, government institutions, non- overnmental organization and individuals involved in the preparation of the PBR	
1)	Contact Person: 7889763716	
	Name and Address: Shankar Singh S/o Fakir Singh R/o BUPP	
2)	Contact Person: 7051872169	
	Name and Address: Tirth chand S/o Suram chand ward no: 03 R/o BUPP	
3)	Contact Person:	
	Name and Address: Ashok Kumar S/o Krishan chand R/o BUPP	
4)	Contact Person:	
	Name and Address:	
	You may add names of more institutions/NGO/Individuals etc, if necessary	

# Annexure 5 Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefit derived and the mode of their sharing Local and Scientific Name of the Anticipated mode of sharing benefits or quantum of benefits shared Name and address of the Date and resolution of the BMC and Detail of collection fee S.No biological material Accessed and Person/Institute/company others endorsement by the Panchayat imposed quantity

#### Part II PBR – Formats AGROBIODIVERSITY

1	2	3	4	5	6		7	8	9	10	11	12	13	14
						Local	Status							
Сгор	Scientific Name	Local Name	Variety	Landscape / Habitat	Approx. area shown (hectare)	Past	Present	Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
Maize	Zea mays	Muck	Improved Varieties only	Hilly	241.65	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Kharif	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department
Wheat	Triticum aestivum	Kank	Improved Varieties only	Hilly	25	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Rabi	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department
Rice	Oryza sativa					Plenty								
Jwar	Sorghum													
Till	Sesamum indicum													

Mustard	Brassica juncea							
Alsi	Linum usitatissimum							
Carrot	Daucus carota							
Radish	Raphanus sativus							
Pea	Pisum sativum							
Beans	Phaseolus vulgaris							
Lady finger	Abelmoschus esculentus							
Tomato	Solanum lycopersicum							
Potato	Solanum tuberosum							

1	2	3	4	5		6	7	8	9	10	11	12	
					Loca	l Status					Other details market		
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Past	Present	Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	own use	Community / Knowledge holder	
Peach	Prunus persica	Adu	Improved/ Local	Hilly	Suf	ficient	Department/ Locals	Summer	-	Income Source	Market/ Own	Department/ Local	
Apricot	Prunus armeniaca	Khobani	Improved	Hilly	Suf	ficient	Department/ Locals	Summer	-	Income Source	Market/ Own	Department/ Local	
Walnut	Juglans regia	Khode	Normal	Hilly	Suf	ficient	Department/ Locals	Summer	-	Income Source	Market/ Own	Department/ Local	
Grapes	Vitis Vinifera.												
Guava	Psidium guajava												
Lemon	Citrus aurantifolia												
Apple	Malus domestica												

Aloobuk hara	Prunus domestica					
Malook	Diospyros lotus					
Kainth	Pyrus pashia					

# **Format 3: Fodder Crops / Species**

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

Tooth	Morus abla					

Format 4:	Format 4: Weeds														
1	2	3	4	5	6		7		9	10	11	12			
Plant	Scientific Name	<b>Local Name</b>	Affected crop	Impact	Landscape / Habitat	Loca	ıl Status	Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder			
					Habitat	Past	Present				inc caotic	Knowieuge noider			
Dub Grass	Cynodon dactylon		Rabi/ Kharif		Hilly	Abundant	Abundant	Fooder	Mechanical, Chemical	-	Agri. & wasteLand	Farmers			
Wild oats	Avena fatua	Jangli Javi	Oats		Hilly	Abundant	Abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers			
Wild Rice	Echinochloa colona	Swanki	Paddy		Hilly	Abundant	Abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers			

Other details may include how long the weeds have been suppressing/adversely affecting the crops in this locality, when it came under notice, intensity of natural multiplication etc

1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	Scientific Name	Local Name	Habitat	Time / Season of Attack	Management Mechanism	Associated TK	Other details	Community knowledge holder
	Cut worm	Agrotis ipsilon	Ludi/ Toka	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Field rats	Rattus meltada	Chouha	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Monkey	Macaca mulatta	Bander/ Tolo	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Porcupine	Erethizon dorsatum	Say	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Ped	Ovis aries							
	Chetah	Acinonyx jubalus							

Bhaloo	Ursidae spp.				
!					

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

Note: [1] (D) – day; (M) – month;
[2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

Format 7: Peoplescape	Format	7:	Peop!	lescape
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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
Farmer	Farmer	Labour	Nature	Farming/summer			Gaddi/Gujjar/ Bakarwal	Poor	Farmers	
Hindu 1438	60%	Labour		Farming/summer			Brahmin/Rajput		Farmers	351
Muslim 958	40%	Labour		Farming/summer			Gaddi/Gujjar/ Bakarwal			300

2396					

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:	Land	scape											
	1		2	3	4	5	6	7	8	9	10	11	12
Major L	andscap	es											
Agricultural Land	Pond	Fallw Land	Sub - Landscapes	Features and approx. area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Culitvated Land	ı	-	Cultivated Land		Agricultural Lands are privately owned	Wild Plants / Weeds	Insect	-	Ploughing, Sowing, weeding, hoeing, harvesting etc.	Food, Fooder, Fibre etc.	Medicinal, Traditional, Religious.	-	Self Observed
Non- Cultivated Land	1	-	Non- Irrigated Area/ State Land		Agricultural Lands are privately owned	Wild Plants / Weeds	Insect	-	-	Fooder	Medicinal, Traditional, Religious.	-	Self Observed
Grazing Land	1	-	State Land/ Forest Land		Govt/Private	Wild Plants / Weeds/ Grasses	Insect	1	-	Fooder	Medicinal, Traditional, Religious.	1	Self Observed

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

Format 9: Wat	erscape											
1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape Element Type	Sub- Type	Features and Approx Area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Stream	-	Direct small underground streams	Revenue/ Private Land	Mostly Ferns, Bryophytes, Pteridophytes	Amphibians	Daily household and drinking	All the people of the said area	Traditionaly management practices for strengthening of bunds and deepning of tank beds	Drinking & Washing Clothes	-	-	General People of Village
Nalas	-	Direct smal underground streams	Revenue/ Private Land	All crops including fruits, vegetables & Flowers	Frog, Tadpoles, Fishes, Water snakes	Irrigation	Farmer	Check Dams	Irrigation, drinking of domestic animal	-	-	Local villagers

Examples: Ponds, Streams, Rivers, Lake, Canal, Tubewell, Dug well 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
Sandy Soil	Brown,Red,Yellow, Small grained, Browinsh grained mixture	Well drained soil, adequate FYM & nitrogen content, prone to soil erosion due to steep slope	Sandy Loam, Sandy Clay Loam	Kharif crops like Maize, paddy, Sorgum etc. Rabi crops like Wheat, Mustard etc. & other crops like cucurbits and offseason vegetables	Flora: Fagada, Dhaman, Sehtoot, Aru, Gargle etc. Fauna: Billi, Dog, Cow, Sheep, Goat, Horse, Mule etc.	Religious/ Medicinal/ Traditional	-

Format	11: Fruit Tr	rees					DOM	ESTICATE	D BIODIV	ERSITY		
1	2	3	4	6		7	8	9	10	11	12	13
Plant				Landscape/	Loca	al Status	Source of	Season of		Associated	Other Details	Community/ Know.
Type	Local Name	Scientific Name	Variety	Habitat	Past	Present	Plant/Seeds	Fruiting	Uses (usage)	Associated TK	Market/Own Use	Holder
Apricot	Khobani	Prunus armeniaca	Improved	Hilly	Su	fficient	Department/ Locals	Summer	Income Source	-	Market/Own	Department/ Local
Walnut	Khode	Juglans regia	Normal	Hilly	Su	officient	Department/ Locals	Summer	Income Source	-	Market/Own	Department/ Local
Peach	Adu	Prunus persica	Improved / Local	Hilly	Su	fficient	Department/ Locals	Summer	Income Source	-	Market/Own	Department/ Local
Malook		Diospyros lotus										

Kainth		Pyrus pashia					
Lemon	Nimbu	Citrus aurantifolia					
Apple	seb	Malus domestica					
Gargal	galgal	Cistrus pseudolimon					
Zemeeri							

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

1	2	3	4	5	6		7	8	9	10	11	12
Plant	I and Name	Scientific Name	¥7	Landscape/	Source of	Local	status	H ()	D41	A	Other Details Market/Own	Community/ Know.
Type	Local Name	Scientific Name	Variety	Habitat	Plant/Seeds	Past	Present	Uses (usage)	Part used	Associated TK	Use Use	Holders
Tree	Akhrot	Juglans regia	Local	Temperate	Cultivated	Available	Available	Teeth and gum Disease	Leaves	Unknown	Leaves used for brushing teeth	Self observed
Herb	Bhang	Cannabis sativa	Wild/ Local	Lowland valley	Naturally Grown	Available	Available	Cure fever, dysentry sunstroke and give alertness to the body	Leaves	Unknown	Own use	Self observed
Herb	Pudina	Mentha spicata	Local	Lowland valley	Naturally Grown/ Cultivated	Available	Available	Antiviral, antibacterial, anti-inflammatory	Leaves	Unknown	Own use	Self observed
Herb	Methi	Trigonella foenum-graecum	Local	Lowland valley	Cultivated	Available	Available	Balance cholestrol, maintain liver and health	Seeds	Unknown	Own use	Self observed
Herb	Dhania	Coriandrum sativum	Local		Cultivated	Available	Available	Digestion problems	Leaves, Seeds	Unknown	Own use	Self observed
Herb	Pyaz	Allium cepa	Local	Lowland valley	Cultivated	Available	Available	Used for cold and cough	Roots	Unknown	Own use/ Market value	Self observed
Herb	Lahusan	Allium sativum	Local	Lowland valley	Cultivated	Available	Available	Highly nutritious, Combat sickness, reduces blodd pressure etc.	Roots	The latex of the plant heal wounds	Own use/ Market value	Self observed

1	2	3	4	5	6		7	8	9	10	11	12	
Plant	I I N	C-:4:C-N	<b>\$</b> 7	Landscape/	Source of	Local	status	U ()	D41	A	Other Details	Community/ Know.	
Type	Local Name	Scientific Name	Variety	Habitat	Plant/Seeds	Past	Present	Uses (usage)	Part used	Associated TK	Market/Own Use	Holders	
Shrub	Tulsi	Ocimum sanctum	Local	Lowland valley	Cultivated	Available	Available	Antioxidant, antiaging, treates Kidney stones, Relieves fever	Leaves	Unknown	Own use	Self observed	
Shrub	Timbru	Zanthoxylum armatum	Wild	Forest	Naturally Grown	Available	Available	Disinfectant and antiseptic	Seeds and branches	Unknown	Own use	Self observed	
	Albera												
	Kamil												
	Rebenjal												

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of Plant/Seeds	Commercial/ Non- Commercial	Uses	Associated TK	Other Details	Community/ Know Holder
	Gulab	Rosa indica							
	Gutti	Tagetes spp.							
	Suraj phool	Helianthus spp.							

1	2	2	4	5		(	7	8	9	10
1	2	3	4			6	/	<u> </u>	9	10
Dland Tons	Legal Name	Scientific Name	Habitat -	Local	status	Wild/Home-	Other	A annulated TIV	Other detella	Community/ Know.
Plant Type	<b>Local Name</b>	Scientific Name	нариат	Past Present		Garden	uses (multi)	Associated TK	Other details	holder
Tree	Champ	Alnus nepalensis	Moist Temperate/ Dry Temperate/ Sub- Tropical	Available	Available	Wild/Home Garden	Furniture	Wood used for Furniture	Unknown	Self Observed
Tree	Akhrot	Juglans regia	Temperate			Wild/Home Garden	Furniture	Wood used for Furniture	Unknown	Self Observed
Tree	Draink	Melia azedarach	Sub-Tropical	Available	Available	Wild/Home Garden	Furniture	Wood used for Furniture	Unknown	Self Observed
Tree	Chir	Pinus roxburghii	Sub-Tropical	Available	Available	Wild/Home Garden	Furniture	Resin/ Firewood/ Wastewood	Wastewood used for plywood	Self Observed
	Deodar	Cedrus deodara								
	Kail	Pinus wallichiana								
	Safeda	Eucalyptus globulus								
	Dehri									

Format 15:	Domestic	ated Anima	als									
1	2	3	4	5	6	7	1	8	9	10	11	12
Animal Type	I ocal Nama	Scientific	Breed (Local/	Features	Method of	Local	status	Uses	Associated TK	Commercial	Other details including products	Community Know.
Animai Type	Local Ivallic	Name	Hybrid)	reatures	keeping	Past	Present	Usts	Associated TK	Rrearing	and services	Holders
Cow	Gou	Bos taurus	Local	-	Local	Abundant	Sufficent	Agriculture/ Domestic Use	-	Yes	Milk/ Cheese/ Farming	Locals/ Department
Buffalos	Manj	Bubalus bubalis	Local	-	Local	Abundant	Sufficent	Agriculture/ Domestic Use	-	Yes	Milk/ Cheese/ Farming	Locals/ Department
Sheep	Pid	Ovis aries	Local	-	Local	Abundant	Sufficent	Agriculture/ Domestic Use	-	Yes	Milk/ Cheese/ Farming	Locals/ Department
Goat	Bakri	Capra aegagrus hircus										
cat	Billi	Felis catus										
dog	Kutta	Canis lupus familiars										
Horse	Ghoda	Equus caballus										

Format 16	: Culture Fi	sheries										
1	2	3	4	5	6		7	8	9	10	11	12
Eich Tyme	Local Name	Waterscape Local status		cal status	Uses	Associated	Commercial rearing	Other details	Community Know.			
Fish Type	Local Name	Scientific Name	Variety	Features	(pond/bheri/ta lao)	) Past Present	Uses	TK	Commercial rearing	Other details	Holders	
-	Desi	-	-	-	-	-	-	-	-	-	-	-
	NU Fish											

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

Format 17: Mark	xets / Fairs 1	for Domesticated A	nimals, M	<b>Iedicinal Plants and</b>	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

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

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

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

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

Shrub/ Tree	Druni	Punica granatusm	Wild	Forest/Scattered tree found in village area	Available	Available	Commercial/Own use	Fruit	Superfood, antioxidant	Medicinal value	Self Observed
Shrub	Timbru	Zanthoxylum armatum	Shrub	Sub-tropical/ Temperate	Available	Available	Own use	Fruit, Leaves, Stem, root etc	Medicinal value	Flavouring Agent	Self Observed
Shrub	Garna	Carissa spinarum	Shrub	Sub-tropical	Available	Available	Own use	Fruit	Edible	Rich source of Nutrients	Self Observed
Herb	Bang	Cannabis sativa	Herbs	Sub Tropical	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed
Herb	Pudina	Mentha arvensis	Herbs	Sub-tropical/ Temperate	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed
Herb	Barrain	Acorus calamus	Wild	Forest	Available	Available	Own use	Used for gastro intestinal problem	Medicinal	Unknown	Self Observed

Grass	Baru Grass	Saccharum spontaneum	Wild	Forest	Available	Available	Own use	Whole Part	Fodder	Unknown	Self Observed
Grass	Khabal Khaa	Cynodon dactylon	Wild	Forest	Available	Available	Own use	Whole Part	Fodder	Unknown	Self Observed
Grass	Lamb Khaa	Heteropogon contortus	Wild	Forest	Available	Available	Own use	Whole Part	Fodder	Unknown	Self Observed
Tree	Safeda	Eucalyptus globulus									

Format 19: Wild Plant Species of Importance					
1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (as Economic, Social, Cultural etc.)	Status
1	Chir	Pinus roxburghii	Wild	Econmic, Social	Available
2	Kainth	Pyrus pashia	Wild	Social	Available
3	Kau	Olea cuspidata	Wild	Social	Available
4	Kikar	Vachellia nilotica		Economic & social	
5	Banj	Quercus leucotrichophora		Economic & social	

Format 20: Ac	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/			
Local Name	Scientific Name	variety	reatures	Habitat	Past	Present	Uses	Associated 1K	Other Details	Knowledge Holder			
Mendak	Rana tigrina	Wild	Greenish or greyesh, pointed snout, long muscular hind limbs	Moist Areas	More	More	No Direct Use	Unknown	Unknown	Self Observed			
Jook	Hirudinea spp.	Wild	Segmented parasite	Moist Areas	More	More	Medicinal Use	Used for Therapy	Unknown	Self Observed			
Sarkeed	Brachyura spp.	Wild	Crustacean, thick exoskelton	Shores of Rivers/Pond	More	More	No Direct Use	Unknown	Unknown	Self Observed			
Snake	Naja naja	Wild	Small, Medium Size	Ponds, Rivers and Land	More	More	No Direct Use	Unknown	Unknown	Self Observed			

Format 21: \	Wild Aquatic Plant Species of	of Importance		
S. No.	Local Name	Scientific Name	Variety	Importance

S. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Swal	Chlorophyta	Wild	Organic manure	

1	2	3	4	5		6	7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Local	l Status	Associated TK	Uses (usage)	Part used	Other details	Community/ Knowledge Holder
Sirub, Tree)				Habitat	Past	Present				market own use	Knowicuge Holder
Shrub	Timbru	Zanthoxylum armatum	Wild	Forest	Available	Available	Medicinal	Disinfectant and antiseptic	Seeds and branches	Own use	Self observed
Herb	Bhang	Cannabis sativa	Wild	Forest	Available	Available	Medicinal	Cure fever, dysentry sunstroke and give alertness to the body	Leaves	Own use	Self observed
	Kimal										
	Khod										

Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide) Other details: Harvesting period /Perennial/annual/seasonal

Format 23: Wi	ld Relatives of C	rops								
1	2	3	4		5	6	7	8	9	10
Local	Scientific	Associated	Landscape /	Local	Status	Uses	Part	Associated	Other details	Community / Know
Name	Name	Crop	Habitat	Past	Present	(usage)	Used	TK	Other details	holder
Jangli Pudina	Mentha arvensis	Pudina	Moist area	Available	Available	Flavouring Agent	Leaves	Traditional	Unknown	Self Observed
Ammi	Oxalis corniculata	-	Forest / Agriculture Lands	Available	Available	Flavouring Agent	Leaves	Traditional	Unknown	Self Observed

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

Pyrus pashia

Kainth

Chew

Format 24: Or	ormat 24: Ornamental Plants												
1	2	3	4	5	6	7	8						
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder						
Not-Available	Not-Available	Not-Available	Not-Available	Not-Available	Not-Available	Not-Available	Not-Available						
Gulab	Rosa												
Gutti	Tagetes												

Format 25: Fumigate / Chewing Plant	S
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1	2	3	4	5		6	7	8	9	10	11	
Plant (Herb,	Local	Scientific	Variety	Habitat	Local	Status	Uses	Part used	Associated	Other details	Community	
Shrub, Tree)	Name	Name	variety	Habitat	Past	Present	(usage)	1 art useu	TK	(mode of use)	Knowledge Holder	
Tree	Akhrot	Juglans regia	Local	Temperate	Available	Available	Teeth and gum Disease	Leaves	-	Leaves used for brushing teeth	Self observed	
Shrub	Timbru	Zanthoxylum armatum	Wild	Sub-Tropical/ Temperate	Available	Available	Disinfectant and antiseptic	Branches, Fruit	ı	Branches used for brushing teeth and fruit for medicinal purpose	Self observed	
Shrub	Tulsi	Ocimum sanctum	Local	Moist Soil/Temperate	Available	Available	Antioxidant, antiaging, treates Kidney stones, Relieves fever	Leaves	-	Leaves used in traditional medicines	Self observed	
Shrub	Saunf	Foeniculum vulgare	Local	Humid/Temperate	Available	Available	Purify blood, improves eyesight	Fruit		Traditional use	Self observed	
Herb	Pudina	Mentha spicata	Local		Available	Available	Antiviral, antibacterial, anti- inflammatory	Leaves		Traditional use	Self observed	

Herb	Methi	Trigonella foenum- graecum	Local	Sub-Tropical	Available	Available	Balance cholestrol, maintain liver and health	Seeds	-	Traditional use	Self observed
Herb	Dhania	Coriandrum sativum	Local	Sub-Tropical	Available	Available	Digestion problems	Leaves, Seeds	-	Traditional use	Self observed
Herb	Bang	Cannabis sativa	Wild	Sub-Tropical	Available	Available	Cure fever, dysentry sunstroke and give alertness to the body	Leaves	-	-	Self observed
	Banj	Quercus Leucotrichophora									
	Kathi										

Format 26: Timl	ber Plants								
1	2	3		4	5	6	7	8	
T 13	G • 40° N	H 1 1 1 1	Local Status		04 11 16		04 0 4 7	Community/ Knowledge	
Local Name	Scientific Name	Habitat	Past	Present	Other Uses, if any	Associated TK	Other Details	Holder	
Chir	Pinus roxburghii	Sub-tropical	Available	Available	Resin/Firewood/Wastewood	Wild	Wastewood used for plywood	Self Observed	
Deodar	Cedrus deodara	Sub-tropical	Available	Available	Furniture	Wild	Wood used for Furniture	Self Observed	
Akhrot	Juglans regia	Sub-Tropical/Temperate	Available	Available	Furniture	Local/Wild	Wood used for Furniture	Self Observed	
Champ	Alnus nepalensis	Moist area	Available	Available	Firewood	Wild	Wood used for Furniture	Self Observed	

Format 27	A: Coastal a	nd Marine Flora	a							
1	2	3	4		5	6	7	8	9	10
				Local	Status	D G	6			
Plant Type	Local Name	Scientific Name	Habitat	Past	Present	Parts Collected (if any)	Commercial Uses (if any)	Other Uses	Associated TK	Community/ Knowledge Holder

Format 27 B:	Format 27 B: Coastal and Marine Fauna										
1	2	3	4		5	6	7	8	9	10	
ActualT	Landa	S	W.1.2.4	Local	Status	Parts	Commercial Uses	Other Henry	A and the LTIV	Community/	
Animal Type	Local Name	Scientific Name	Habitat	Past	Present	Collected (if any)	(if any)	Other Uses	Associated TK	Knowledge Holder	

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

1	2	3	4	5	6		7	8	9	10	11	12
						Local	Status			Mode of Hunting,		Community/
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Past	Present	Uses (if any)	Associated TK		Other details	Knowledge Holder
Mammals	Bandhar	Macaca mulatta	Arboreal/ Lives near habitation	Mostly found near the communities and forest rich in wild fruits	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Golden jackal	Canis aureus	Terrestrial/ Forest	Less prominent forhead, shorter legs and often hunts alone	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Fox	Vulpes bengalensis	Terrestrial/ Forest	Medium size foxes with large bushy tail	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Newla	Herpestes edwarsii	Terrestrial, tropical and temperate	Long bodies, short legs and highly developed anal scent glands. Their coats are thick and coarse is texture	All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals
Mammals	Jangli Billi	Felis chaus	Terrestrial/ Forest		All seasons	Available	Available	Uinknown	Unknown	Non applicable	-	Locals

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

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

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

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

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

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

Note: Separate format should be used for road side plantation / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

Format 30: Fa	una				
1	2	3	4	5	6
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
Not-Applicable	Not-Applicable	Not-Applicable	Not-Applicable	Not-Applicable	Not-Applicable

Note: Separate format should be used for road side plantation - habitat / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

## Format 31: Any other information of local importance

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

End of Part II