

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Godal Block Dharmahanpur

Taluk:

District: Kathua

State: J&K (UT)

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total 1648

Male 820 **Female** 828

Habitat and Topography:

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: 27/10/2020

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 six persons nominated by the local body ; not less than one third to be women and not less than 18% belonging to SC/ST)

1) Name of the Chairperson: Rajinder Singh

Age: 51

Gender: male

Address: R/O Godal TehBasohli Distt. Kathua near high school Ghodal Basholi (Mob.no - 8825071344)

Area of specialization:

2) Name: Neelma Devi (ST)

Age: 39

Gender: Female

Address: R/O Godal TehBasohli Distt. Kathua near primary school Gadian school Kund

Area of specialization:

3) Name: Darshana Devi

Age: 40

Gender: Female

Address: Godal Tehsil Basholi District Kathua

Area of specialization:

4) Name: Roop Chand (SC)

Age: 48

Gender: male

Address: R/O Godal TehBasohli Distt. Kathua Ward no 1

Area of specialization:

5) Name: Dewan Chand

Age: 62

Gender: male

Address: R/O R/O Godal TehBasohli Distt. Kathua near high school Ghodal

Area of specialization:

6) Name: babu ram (SC)

Age: 62

Gender: male

Address: R/O Godal TehBasohli Distt. Kathua Ward no 4

Area of specialization:

7) Name: faried Ahmed (PYT.SEC)

Age: 52

Gender: male

Address: Hutt Tehsil Basholi Distt Kathua

Area of specialization:

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 :
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
2) Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
3) Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:

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: Rajinder Singh (Mobile: 8825071344)

Age: 51 years

Gender: Male

Address: Panchayat Ghodal Tehsil Basohli District Kathua

Area of specialization: Agriculture

2) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

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:

2) Contact Person:

Name and Address:

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

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

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

S.no	Name and address of the Person/Institute/company others	Local and Scientific Name of the biological material Accessed and quantity	Date and resolution of the BMC and endorsement by the Panchayat	Detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared

End of Part I

Part II
PBR – Formats
AGROBIODIVERSITY
Format 1: Crop Plants

1	2	3	4	5	6	7		8	9	10	11	12	13	14
Crop	Scientific Name	Local Name	Variety	Landscape / Habitat	Approx. area shown	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Paddy	<i>Oryza sativa</i>	dhan Munji	K-343,PAC807	Temperate Zone		Abundant	Abundant	Tall variety High yield Resistant to drought, flood, pest & diseases	June -Oct.	Food Fodder	Disease Resistant vareity	Required less water it is suitable for rainfed area	Agri.Deptt.	Kurichiya Kuruma W. Chetty
Wheat	<i>Triticum aestivum</i>	kanak	HD-807,Raj-3077,Raj3765	160-165cm,150-155cm,135-140cm,125-130cm		Abundant	Rare	Dwarf high Yielding variety	Nov-Apr	Food Fodder	More Nutritive Valu	Suitable of Plain & Mid Hills	Local	
Maize	<i>Zea mays</i>	makk,kukri challi,buhtta,jobar	Double Dekalb	Composite maize yellow grain variety high yielding vaiety suitable for mid hills		Abundant	Abundant	high Yielding variety	June -Oct.	Food Fodder		Suitable of Plain & Mid Hills	Agri.Deptt.	
Til	<i>Seasamumindicum</i>	til	Punjabtil-1	White seed variety matures in 80-85days plant height 1.3-1.6mtr		Rare	Abundant	high Yielding variety	June -Oct.	Oil		Suitable of Plain & Mid Hills	Agri.Deptt.	
Pulses Mash)	<i>Vigna mungo</i>	maa/mash	T-9	matures in 80-85 days suitable for plan & mid hills		Abundant	Abundant	high Yielding variety	June -Oct.	As a dal ,Bhadi	High Protein contents	Suitable of Plain & Mid Hills	Agri.Deptt.	

Okra	<i>Abelmoschu esculentus moench</i>	bhindi	pusaA-4	Dark green & fruit size 12-15 cm long		Abundant	Abundant	High yielding variety , tolerant to YVMand aphids first picking starts in 45 days	June -Aug.	Food	Rich Source of Fibre	Suitable of Plain & Mid Hills	Agri.Deptt.	
Tomato	<i>Solanum lycopersicum</i>	tamatar	kashi	Plant are green fruit are red spherical medium to large sized		Abundant	Abundant	First harvest at 70- 75 days after transplanting resistant to TLCV	Feb. -March	Food & Salad	Resistant to TLCV Antioxidant source of Vitmin C	Suitable of Plain & Mid Hills	Agri.Deptt.	
Knol Khol	<i>Brassica oleracea</i>	kadam	purple vienna	cool & mosit climate			Abundant	matures in 70-75 days Knobs are purplish & fleshy greenish white	Transplanting Jan to Mid Feb	As vegetable pickles	Rich in fiber	Suitable of Plain & Mid Hills	Agri.Deptt.	

The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 'other details' vary with the nature of crops. For measuring local status, there need to identify a particular year – significant changes in ecology occurred – and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation practices, propagation techniques, usage etc can be included in the column 8, in associated TK.

Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	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						
Apricot		Sadi	Wild	Agri. Land	Abundant	Available	Seeds/Plant	Mar-July	-	Own use	-	
Mulberry	<i>Morus indica</i>	Toot	Wild	Agri. Land	Abundant	Available	Plant	July-Aug	-	Own use	-	
Guava	<i>Psidium guajava</i>	Ambrud	Desi	Agri. Land	Available	Available	Seeds/Plant	Aug-Dec	-	Own use	-	
Lime		Nimbu	Desi	Agri. Land	Available	Abundant	Seeds/Plant	Nov-Dec	-		-	
Kainth	<i>Pirus serotina</i>	Kainth	Desi	Agri. Land	Abundant	Available	Seeds/Plant	Mar-July	-	Own use	-	
Amla	<i>Phyllanthus emblica</i>	Amla	Wild	Agri. Land	Abundant	Abundant	Seeds/Plant	Oct-Dec	-	Ownuse/ Market	-	
Peach	<i>Prunus persica</i>	Addu	Wild	Agri. Land	Abundant	Available	Seeds/Plant	Mar-July	-	Own use	-	
Pear	<i>Pyrus communis</i>	Naakh	Wild	Agri. Land	Abundant	Abundant	Seeds/Plant	Mar-July	-	Own use	-	
Banana	<i>Musa paradisiaca</i>	Kela	Desi	Agri. Land	Available	Rare	Plants	July-Aug	-	Own use	-	

Other details include fodder for which animal, special features, medicinal uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc.

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
				Past	Present					
Sorghum	<i>Sorghum bicolor</i>	Jowr	Warm Cilmate crop	Plenty	Plenty	agriculture office	It has resistance to desiccation and tolerate to water logging condition	Part used whole plant	Soil with clay loam texture having good water retention capcity are best suitable for its cultivation	
Berseem	<i>Trifolioum alexandrinum</i>	Beerseen	Winter forage			Agri.Deptt	It is rich in calcioum and phosphorous	Part used whole plant repeated cuts can be taken	Improves physical condition of soil it can be grown in all types of soil expect very light sandy soil	
	<i>Ptyas mucosa</i>	Dhaman								
		Poo			Abundant					
		Prali			Abundant					
	<i>Bauhinia variegata Linn</i>	Kachnar								
	<i>Bombax ceiba</i>	Simbal								

Other details include fodder for which animal, special features, medicinal uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc.

Format 4: Weeds

1	2	3	4	5	6	7		8	9	10	11	12
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status		Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
						Past	Present					
Bathua	<i>Chenopodium sp</i>	Baathu	Wheat	Broad leaf and consumed the nutrients of the plants and reduces the production		plenty	plenty	fodder	biological/ chemical			
Sitti	<i>Phalaris minor</i>	Sitti Gehoon ka mamma gulli danda	Wheat	Complete with nutritions, light and space with wheat crop and reduces the production narrow leave weed		plenty	plenty	fodder	biological/ chemical			
Dhoob	<i>Cynodon dactylon</i>	Dhoob	Maize	Weed emerg with the germination with maize seed and grow along with plants till the early growth period and cause sever crop weed compitation		plenty	plenty	fodder	biological/ chemical			
	<i>Lanata</i>											
	<i>Parthenium</i>											
	<i>Vitex nigundo</i>	Bana										
	<i>Cannabis</i>	Bhang										

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

Format 5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	Scientific name	Local name	Habitat	Time / season of attack	Management mechanism	Associated TK	Other details	Community knowledge holder
Peach,Pear, Plum ,Apricot	Insect	<i>Brachycaudushelichrysi</i>	PeachLeafCurlAphid	Soil	Winterseason	Biological/Chemical	-	-	-
Apple,Plum, Apricot,Peach,	Insect	<i>Quadraspidiotusperniciosus</i>	SanjoseScale	-	Fullyear	Biological/Chemical	-	-	-
Peach	Insect	<i>Myzuspersicae</i>	PeachgreenAphid	-	Feb-May	Biological/Chemical	-	-	-
	Insect	<i>Aonidiellaauranti</i>	Redscale	Soil	Allseasons	Biological/Chemical	-	-	-
	Insect	<i>Phyllocnistiscitrella</i>	Leafminer	-	Mar-Nov	Biological/Chemical	-	-	-
Citrus	Insect	<i>Psorostichazizyphi</i>	Leaffolder	-	April-Oct	Biological/Chemical	-	-	-
Maize	Stemborer	<i>ChiloPartellus</i>	Lurhi/Kidda	Leafplants	Julyonward15-20daysofgermination	Biological/ Chemicalinsecticide	-	-	-
	Cutworm	<i>Agrotusipsilon</i>	Lurhi/Kidda	Leafplants	Julyonward15-20daysofgermination		-	-	-
Vegetable	Fruitfly	<i>Bactroceracucurbitae</i>	Titli	plants/soil	Julyaftersummarrain	Biological/ Chemicalinsecticide	-	-	-

Other details may include possible reasons for insects/animal attack

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
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
<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
General	Agriculture	DomesticatedAnimals& Horticulture	LandandForest	Seasonal dependent	Traditional Management	Traditional Management	OC	Average	Mainly Farmers	
Schedule Caste	Agriculture	Domesticated Animals& Horticulture	LandandForest	Seasonal dependent	Traditional Management	Traditional Management	SC	Socially Previllage	Mainly Farmers	
Schedule Tribe	Domesticated Animals& Horticulture	Agriculture	LandandForest	Seasonal dependent	Traditional Management	Traditional Management	ST	Socially Previllage	Sheep Herders	

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc.
 Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc
 How the community manages the landscapes they use for satisfying different needs, their strategies and perception
 How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc

Format 8: Landscape

1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub - Landscapes	Feature s and approx. area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow land											
Agriculturalland			----	150.15hac.	Private and Govt	Agriculture plants/Crops and Weeds	Insect sandworms	----	Traditional agriculture practices	Food and fodder			
Forests			----	----	Govt.	Forest treeand plants/medicinal herbs	Wild animal of various kind as per topography	----	Traditional practices	Food and fodder			
Ponds			----	----	----	Watergrass/ waterlily	Frogtodds, Fishes, Crabs	----	Traditional practices	Irrigation and animal drinking			
FallowLands			Meadows	----	----	seasonalgrass	----	----	Sheepherding	Food and fodder			

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
Ponds	---	all seasonal	Pvt./Govt	waterplants	frog and fishes	irrigation, animal drinking	----	Traditional practices	irrigation, animal drinking	---	---	---
Streams/ river	---	all seasonal	Pvt./Govt	waterplants	frog and fishes	irrigation, animal drinking	----	Traditional practices	irrigation, animal drinking	---	---	---

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
Brownforest soil	Brownish/ silt loam to clay texture	fine granular having PH	use of organic matter/ploughing	Maize and wheat	---	---	---
		7.8 to 8.3					
Red and Yellow Paelzolic Soil	Coarse texture	Water holding capacity up to 40%	use of organic matter/ploughing/ use of cattle dung	Maize	---	---	---

Format 11: FRUIT TREES DOMESTICATED BIODIVERSITY

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						
Walnut	Juglans regia	Akhrote	Local,Kagzi Red	Agri.Land	Available	Abundant	Seeds/Plant	Mar-July	-	Own use /Market	-		
Apple	Malus domestica	Seb	Delicious, GoldenDelicious	Agri.Land	Available	Rare	Plant	Mar-July	-	Own use /Market	-		
Guava	Psidium guajava	Ambrud	49,Allahabadsafeda	Agri.Land	Rare	Available	Plant	Aug-Dec	-	Own use /Market	-		
Lime	Citrus aurantifolia	Nimbu	Kagzi	Agri.Land	Available	Abundant	Seeds/Plant	Nov-Dec	-	Own use /Market	-		
Sweet Orange	Citrusinses	Mosami	Malta,Mosami	Agri.Land	Rare	Available	Seeds/Plant	Apr-Sep	-	Own use /Market	-		
Sweet Lime	Citrus limetoides	Mithu	Local	Agri.Land	Available	Rare	Seeds/Plant	Apr-May	-	Own use /Market	-		
Pomegranate	Punica granatum	Anaar	Kandhari, Ganesh	Agri.Land	Rare	Available	Seeds/Plant	Feb-Sep	-	Own use /Market	-		
Aonla	Phyllanthus emblica	Amla	NA-7,Banarsi	Agri.Land	Abundant		Seeds/Plant	Oct-Dec	-	Own use /Market	-		
Peach	Prunus persica	Addu	Local,Shanepunjab	Agri.Land	Abundant	Abundant	Seeds/Plant	Mar-July	-	Own use /Market	-		
Pear	Pyrus communis	Bagugosh communisa	Kashmirinakh	Agri.Land	Abundant	Abundant	Seeds/Plant	Mar-July	-	Own use /Market	-		
Plum	Prunus domestica	Alubokhar	Satluj	Agri.Land	Abundant	Abundant	Seeds/Plant	Mar-July	-	Own use /Market	-		

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

1	2	3	4	5	6	7		8	9	10	11	12
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of plant/seeds	Local status		Uses (usage)	Part used	Associated TK	Other details market/own use	Community/ Know. Holders
						Past	Present					
Herbs	Brahmi Bhutti	<i>Centella asiatica</i>		Lower shivalik			N.A	Medicinal Purpose	Leaves	N.A	Commercial/ Own	Generally, heldbycommunity
Herbs	Jungli putna	<i>Mentha arvensis</i>			Rare	Rare	N.A	Medicinal Purpose	Leaves	N.A	Own	
Herbs	Banfsha	<i>Viola odorata</i>			Abundant	Abundant	N.A	Medicinal Purpose	Flower	N.A	Commercial/ Own	
Herbs	Guchi	<i>Morchella esculanta</i>			Abundant	Abundant	N.A	Medicinal Purpose	Whole Par	N.A	Commercial/ Own	
Tree	Kayal	<i>Cassia fistula</i>										
Shrub	Garna	<i>Carisaa opaca</i>										

Note: Uses: Food/ Veterinary Medicine,/ Human Medicine (Sub-divisions like for children, women etc),/ Agricultural Purpose (Bio-pesticide)
Other details: Propagation methods, / Harvesting period,/ Cultivated or collected from wild or both,/ Perennial/annual/seasonal

Format 13: Ornamental Plants/ Trees/Climbers etc.

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of plant/seeds	Commercial/ non- commercial	Uses	Associated TK	Other details	Community/ Know. holder
	Kareer	<i>Rosa acicularis</i>		FlowerSeed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
		Gandra							
		Thub							

Format 15: Domesticated Animals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Breed (local/hybrid)	Features	Method of keeping	Local status		Uses	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Small Ruminant	Sheep	<i>Ovis aries</i>	Local	small size, rough coat	Conventional and Traditional					Yes	Mutton, wool Milk and skin , the Department provide all nessary medical facilities and scientific system of rearing	Yes
			Cross Breed	Large size, fine , wool , white face & white legs								
	Goat	<i>Capra Hiracus</i>	Bakarwali	Large Size, with black, white grey or brown body coat								
			kaghani	Large Size, with black, white grey or brown body coat Good meat quality								
			Beetal	Black red pendulous ear								
Cow	<i>Bos taurus</i>											
Buffalo	<i>Bubalus bubalis</i>											
Ox	<i>Bos taurus</i>											
Dog	<i>Canis lupus familiaris</i>											
Horse	<i>Equus caballus</i>											
Cat	<i>Felis catus</i>											
Poultry												
Mule	<i>Equus asinus</i> × <i>Equus caballus</i>											

Uses include milk, meat, skin, fur and etc

Format 16: Culture Fisheries

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

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

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

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Aaran	<i>Prunus persica</i>	Tree	Lower shiwalik	Rare	Rare	Own	Fruit	N.A	N.A	Generally, held by community
Tree	Amla	<i>Phyllanthus emblica</i>	Tree	Lower shiwalik	Rare	Rare	Own	Fruit	N.A	N.A	Generally, held by community
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub-Tropicalarea	Rare	Rare	Commercial/ Own	Stem/Resin	N.A	N.A	Generally, held by community
Tree	Guvava	<i>Psidium guajava</i>	Tree	Lowershiwalik	Rare	Rare	Own	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Popular	<i>Populus ciliata</i>	Tree	Lowershiwalik	Rare	Rare	Own	Leaves/Stem	N.A	N.A	Generally, held by community
Shrubs	Anardana	<i>Punica granatum</i>	Shrubs	Sub-Tropicalarea	Rare	Rare	Own	Fruit	N.A	N.A	Generally, held by community
Shrubs	Bareyan	<i>Acorus calamus</i>	Shrubs	Sub-Tropicalarea	Abundant	Abundant	Commercial/ Own	Root	N.A	N.A	Generally, held by community
Herbs	Brahmi Bhutti	<i>Centella asiatica</i>	Herbs	Lowershiwalik	Rare		Commercial/ Own	Leaves	N.A	N.A	Generally, held by community
Herbs	Jungli putna	<i>Mentha arvensis</i>	Herbs	Lowershiwalik/ Temperate area	Rare	Rare	Own	Leaves	N.A	N.A	Generally, held by community
Herbs	Banfsha	<i>Viola odorata</i>	Herbs	Lowershiwalik/ Temperate area	Rare	Rare	Commercial/ Own	Flower	N.A	N.A	Generally, held by community
Herbs	Guchi	<i>Morchella esculanta</i>	Herbs	Lowershiwalik/ Temperate area	Abundant	Abundant	Commercial/ Own	WholePart	N.A	N.A	Generally, held by community
Grass	Drub/Khabbal	<i>Cyanodon dactylon</i>	Grass	Lowershiwalik	Abundant	Abundant	Own	Leaves	N.A	N.A	Generally, held by community

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	Amla	<i>Phyllanthus emblica</i>		economic/social	Rare
2	Chir	<i>Pinus roxburghii</i>		economic/social	Abundant
3	Anardana	<i>Punica granatum</i>		economic/social	Rare
4	Bareyan	<i>Acorus calamus</i>		economic/social	Abundant
5	BrahmiBhutti	<i>Centella asiatica</i>		economic/social	Rare
6	Jungli putna	<i>Mentha arvensis</i>		economic/social	Rare
7	Banfsha	<i>Viola odorata</i>		economic/social	Rare
8	Guchi	<i>Morchella esculanta</i>		economic/social	Abundant

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				
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

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

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
NIL	NIL	NIL	NIL	NIL	NIL

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					
Herbs	BrahmiBhutti	<i>Centella asiatica</i>		Lowershiwalik	Abundant	Abundant	N.A	Medicinal Purpose	Leaves	Commercial/Own	Generally, held by community
Herbs	Jungliputna	<i>Mentha arvensis</i>		Lowershiwalik/ Temperatearea	Rare	Rare	N.A	Medicinal Purpose	Leaves	Own	Generally, held by community
Herbs	Banfsha	<i>Viola odorata</i>		Lowershiwalik/ Temperatearea	Rare	Rare	N.A	Medicinal Purpose	Flower	Commercial/Own	Generally, held by community
Herbs	Guchi	<i>Morchella esculanta</i>		Lowershiwalik/ Temperatearea	Abundant	Abundant	N.A	Medicinal Purpose	WholePart	Commercial/Own	Generally, held by community
Climber	Giloy	<i>Tinospora cordifolia</i>									

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: 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					
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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

Format 24: Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder
Kareer	Rosa acicularis		Lower touppershiwal ik	Non-Commercial	N.A	N.A	
Gandra							
Thub							

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				
Banj	<i>Quercus incana</i>	Temperate areas	Rare	Rare	Own	N.A	N.A	Generally, held by community
Chir	<i>Pinus roxburghii</i>	Sub-Tropical area	Abundant	Abundant	Commercial/Own	N.A	N.A	Generally, held by community
Poplar	<i>Populus ciliata</i>	Lower shivalik	Rare	Rare	Own	N.A	N.A	Generally, held by community
Deodar	<i>Cedrus deodara</i>	Temperate areas	Rare	Rare	Own	N.A	N.A	Generally, held by community
Doori	<i>Alnus</i>	Temperate areas	Rare	Rare	Own	N.A	N.A	Generally, held by community
Fir	<i>Abies pindrow</i>	Temperate areas	Rare	Rare	Own	N.A	N.A	Generally, held by community
Kail	<i>Pinus wallichiana</i>	Temperate areas	Rare	Rare	Own	N.A	N.A	Generally, held by community
Maru	<i>Quercus dilatata</i>	Temperate areas	Rare	Rare	Own		N.A	Generally, held by community
Spruce	<i>Picea mithiana</i>	Temperate areas	Rare	Rare	Own	N.A	N.A	Generally, held by community
BanKhor	<i>Aesculus indica</i>	Temperate areas	Rare	Rare	Own	N.A	N.A	Generally, held by community

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					
Mammals	Chitra	<i>Pantherapardus</i>	Forest	-	Winter Season	-	-	-	-	-	-	Generally, held by community
Mammals	JungaliBilli	<i>Felischaus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Mongoose	<i>Herpstersaurpunctatus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Jackal	<i>Canisaureus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	FieldMouse	<i>Musboodnga</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	RedFox(Lomari)	<i>Vulpesvulpes</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	RedJungleFowl	<i>Gallusgallus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Blue-RockPigeon	<i>ColumbaLioia</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	JungleCrow	<i>Corvous marcorhynchos</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	HouseCrow	<i>Corvoussplendens</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	HimalayanTreePie	<i>Dendrocittaformosea</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	BlueWhistlingThrush		Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	BlackHeadedMyna	<i>Sturnuspagodarus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Moor	<i>Pavocristatus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community

Birds	TailorBird	<i>Orthotomoussustorius</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	HouseSparrow	<i>Passerdomesticus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	TheHoopoe	<i>Upupaepops</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	HimalayanBarredOwlet	<i>Glaucidiumculculoides</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	WhiteCheckedBulbul	<i>Pycnonotusleucogenys</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Goldernoriola	<i>Oriolusoriolus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Reptiles	Cobra/Naag	<i>Najanaja</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Reptiles	Krait/Sanjuth	<i>Zameniesmucosus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Reptiles	Python/Sangni	<i>Pythonmorulus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Reptiles	HimalayanPitViper	<i>Viperrusellii</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Ambhibian	Mendak/meenk	<i>ranatigrina</i>	Pond/Land	Rainy Season	-	-	-	-	-	-	-	Generally, held by community
Ambhibian	Toad/Dadu	<i>Buffmelanostictus</i>	Pond/Land	Rainy Season	-	-	-	-	-	-	-	Generally, held by community

URBAN BIODIVERSITY

Format 29: FLORA

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

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

Format 30: Fauna

1	2	3	4	5	6
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
NIL	NIL	NIL	NIL	NIL	NIL

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
	Rice	Chinjan Rice

End of Part II