

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Chulna

Taluk: Panchari

District: Udhampur

State: J&K UT

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total 2461

Male: 1260

Female: 1201

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: 31/08/2020

Management Regime: Reserve Forest (RF)/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by body ; not less than one third to be women and not less than 18% belonging to SC/ST)**1)Name of the Chairperson:** Kuldeep Kumar (Sarpanch)**Age:** 35**Gender:** Male**Address:** Chulna**Area of specialization:****2) Name:** Sushma Devi**Age:** 30**Gender:** Female**Address:** Chula**Area of specialization:****3)Name:** Priya Sharma**Age:** 30**Gender:** Female**Address:** Chulna**Area of specialization:****4)Name:** Ghani**Age:** 30**Gender:** Male**Address:** Chulna**Area of specialization:****5)Name:** Mukh Raj**Age:** 59**Gender:** Male**Address:** Chulna**6)Name:** Prem Lal**Age:** 56**Gender:** Male**Address:** Chulna**Area of specialization:****7)Name:** Kuldeep Singh (Forest Guard) Member Secty.**Age:** 50**Gender:** Male**Address:** Chulna**Area of specialization:**

List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources in the jurisdiction of the village

1) Name: Prem Lal S/o Kamla

Age: 57

Gender: Male

Address: Village Chulna Tehsil Panchars

Area of specialization: Allergy/Skin diseases & SnakeBite Curing

Location from which the person accesses biological material: Local Forest Area

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name: Attar Singh S/o Suram Chand

Age: 59

Gender: Male

Address: Village-Chulna Tehsil Panchari

Area of specialization: Skin diseases & SnakeBite Curing

Location from which the person accesses biological material: Local Forest Area

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name: Govind Ram S/o Kunjlal

Age: 48

Gender: Male

Address: Chulna

Area of specialization: Bone & Joint Dislocation Curing and type of joint pain Curing

Location from which the person accesses biological material: Local Area

Perception of the practitioner on the resource status:

Medicinal Use: Local name Koungni (Fostail Mellets) Used for layering over the joints/ dislocated joints / psinful joints & bones after ma

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:** Sudessan Kumar**Age:** 52**Gender:** Male**Address:** Chulna Tehsil Panchari**Area of specialization:** Tomato grower / Special Rajma / Beans**2) Name of the Chairperson:** Kuldeep Kumar S/o kattan Chand**Age:** 35**Gender:** Male**Address:** Chulna Tehsil Panchari**Area of specialization:** Tomato / Raddish / Brinjal**3) Name of the Chairperson:** Jay Kumar S/o Hans Raj**Age:** 30**Gender:** Male**Address:** Chulna Tehsil Panchari**Area of specialization:** Paddy Special Basmati / Potato / Calocassila / Ginger**4) Name of the Chairperson:** Vijay Kumar S/o Dharam Chand**Age:** 30**Gender:** Male**Address:** Chulna Tehsil Panchari**Area of specialization:** Walnut Special Plantation / Deodar Plantation

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

1	2	3	4	5	6
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							
Rice	<i>Oryza sativa</i>		Veliyan	Lowland valleys		Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases		Food Fodder Roofing Fuel	Provides more energy	Suitable for “Valicha” cultivation		Kurichiya Kuruma W. Chetty

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
Plant type	Local Name	Scientific Name	Habit	Habitat	Local Status		Commercial/ Own use	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Tree	Akhrot	<i>Juglans regia</i>	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	Sehtoot	<i>Morus serrata</i>	Tree	Sub-tropical/ Mostly found in villages	Available	Available	Commercial use	Leaves, Fruit	Leaves-Feeding the Silkworms, Fruits-Edible	Traditional Use	Self Observed
Tree	Apple	<i>Malus domestica</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Medicinal value	Self Observed
Tree	Malook	<i>Diospyrus lotus</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Cultural use	Self Observed
Tree	Bei	<i>Cydonia oblonga</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Aru	<i>Prunus persica</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit, Gum	Edible and rich source of nutrients	Medicinal value	Self Observed

Tree	Allobukhara	<i>Prunus subg.</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Nashpati	<i>Pyrus</i>	Tree	Temperate/ Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Gargle	<i>Citron</i>	Tree	Sub-tropical	Available	Available	Commercial use	Fruit	Used for preparation of pickle	Cultural Use	Self Observed
Shrub/Tree	Dhruni	<i>Punica granatus</i>	Shrub/Tree	Sub-tropical/ Temperate	Available	Available	Commercial use	Fruit	Medicinal value	Religious Value	Self Observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Shrub	Sub-tropical/ Temperate	Available	Available	Own use	Fruit, Leaves, Stem, root etc	Medicinal value	Flavouring Agent	Self Observed
Shrub	Ankhee	<i>Rubus elliptica</i>	Shrub	Sub-tropical	Available	Available	Own use	Fruit	Edible	Unknown	Self Observed

Format 3: Fodder Crops / Species

1	2	3	4	5	6		7	8	9	10	11
Plant type	Local Name	Scientific Name	Habit	Habitat	Local Status		Commercial/ Own use	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Grass	Khabbal	<i>Cyanodon dactylon</i>	Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Religious Value	Self Observed
Grass	Dilla	<i>Centipedde</i>	Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed
Grass	Baru		Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed
Grass	Trumba	<i>Fegopyrum esculentum</i>	Grass	Temperate	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed
Grass	Lamb Kaa		Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed

Format 4: Weeds

1	2	3	4	5	6		7	8	9	10	11
Plant type	Local Name	Scientific Name	Habit	Habitat	Local Status		Commercial/ Own use	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Shrub	Bana	<i>Vitex negundu</i>	Shrub	Sub-tropical	Available	Available	Own use	Leaves, Stem	Leaves- Religious value, Stem- Firewood	Soil Binder	Self Observed
Grass	Khabbal	<i>Cyanodon dactylon</i>	Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Religious Value	Self Observed
Grass	Lamb Kaa		Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed
Herbs	Bang	<i>Cannabis sativa</i>	Herbs	Sub Tropical	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed
Herbs	Congress Grass	<i>Parthenium</i>	Herbs	Sub Tropical	Available	Available	Weeds	Unknown	Unknown	Unknown	Unknown

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
Maize	Locust	-	Tidda	-	Aug-sept	Metarhizium biocides	-	-	Good
	Leaf hoppers	-		-	Jun-July	Using pesticide	-	-	Good
	Corn aphid	-		-	Sept	Using pesticide	-	-	Good

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

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 Hills

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											

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 group	Management practices	General uses	Associated TK	Other details	Community accessed

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
Red mountainous soil	Fine coares	Congulumerate	Afforestation by	Cheer, Coil., Almus, Robinia	Cheer, Coil., Almus, Robinia		Tuna species
		Sandy	Quick growing species	Maje, frenchbean			Oak

DOMESTICATED BIODIVERSITY

Format 11: Fruit Trees

1	2	3	4	5	6		7	8	9	10	11
Plant type	Local Name	Scientific Name	Habit	Habitat	Local Status		Source of plant/ seeds	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Tree	Akhrot	<i>Juglans regia</i>	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	Sehtoot	<i>Morus serrata</i>	Tree	Sub-tropical/Mostly found in villages	Available	Available	Commercial use	Leaves, Fruit	Leaves-Feeding the Silkworms, Fruits-Edible	Traditional Use	Self Observed
Tree	Apple	<i>Malus domestica</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Medicinal value	Self Observed
Tree	Malook	<i>Diospyrus lotus</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Cultural use	Self Observed
Tree	Bei	<i>Cydonia oblonga</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Aru	<i>Prunus persica</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit, Gum	Edible and rich source of nutrients	Medicinal value	Self Observed

Tree	Allobukhara	<i>Prunus subg.</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Nashpati	<i>Pyrus</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Gargle	<i>Citron</i>	Tree	Sub-tropical	Available	Available	Commercial use	Fruit	Used for preparation of pickle	Cultural Use	Self Observed
Shrub/ Tree	Dhruni	<i>Punica granatus</i>	Shrub/Tree	Sub-tropical/ Temperate	Available	Available	Commercial use	Fruit	Medicinal value	Religious Value	Self Observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Shrub	Sub-tropical/ Temperate	Available	Available	Own use	Fruit, Leaves, Stem, root etc	Medicinal value	Flavouring Agent	Self Observed
Shrub	Ankhee	<i>Rubus elliptica</i>	Shrub	Sub-tropical	Available	Available	Own use	Fruit	Edible	Unknown	Self Observed

Format 12: Medicinal Plants (Herbs, Shrubs, Trees 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	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Shrub/Tree	Dhruni	<i>Punica granatus</i>	Shrub/Tree	Sub-tropical/ Temperate	Available	Available	Commercial use	Fruit	Medicinal value	Religious Value	Self Observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Shrub	Sub-tropical/ Temperate	Available	Available	Own use	Fruit, Leaves, Stem, root etc	Medicinal value	Flavouring Agent	Self Observed
Herbs	Bang	<i>Cannabis sativa</i>	Herbs	Sub Tropical	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed
Herbs	Congress Grass	<i>Parthenium</i>	Herbs	Sub Tropical	Available	Available	Weeds	Unknown	Unknown	Unknown	Unknown
Herbs	Pudina	<i>Mentha spicata</i>	Herbs	Sub-tropical/ Temperate	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed

Format 13: Ornamental Plants/ Trees/Climbers etc.

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
Gulmohar	<i>Delonix regia</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Gulaca	<i>Cassia glauca</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Gandila	<i>Nerium</i>	Wild	Forest	Non-commercial	-	Unknown	Self observed
China rose	<i>Hibiscus rosa-sinensis</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Boganvilla	<i>Bougainvillea glabra</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Silver Oak	<i>Grevillea robusta</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Semia	<i>Cassia semia</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Kachnar	<i>Bauhinia verigata</i>	Wild	Forest	Commercial	Flower-Edible and medicinal value	Unknown	Self observed
Batai	<i>Salix alba</i>	Wild	Forest	Commercial	Timber value	Unknown	Self observed

Saru	<i>Thuja occidentalis</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Bottle Brush	<i>Callistemon spp.</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Golden Shower	<i>Acacia auriculiformis</i>	Wild	Forest	Non-commercial	-	Unknown	Self observed

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					
Goat	Bakri	<i>Capra aegagrus hircus</i>	Local	-	Cattle Shed	-	-	For meat	-	-	-	-
Cow	Goo	<i>Bos taurus</i>	Local	-	Cattle Shed	-	-	Milking	-	-	-	-
Buffalo	Bhains	<i>Bubalus bubalis</i>	Local	-	Cattle Shed	-	-	Milking	-	-	-	-
Sheep		<i>Ovis aries</i>										
Horse		<i>Equus caballus</i>										
Pony		<i>Equus ferus caballus</i>										

Uses include milk, meat, skin, fur and etc

Format 16: Culture Fisheries

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				
Mendak	<i>Rana tigrina</i>	Wild	Greenish or greyish, pointed snout , long muscular hind limbs	Moist Areas	More	More	No direct use	Unknown	Unknown	Self Observed
Jook	<i>Hirudinea</i>	Wild	Segmented parasite	Moist areas	More	More	Medicinal use	Used for Therapy	Unknown	Self Observed
Sarkeed	<i>Brachyura</i>	Wild	Crustacean, thick exoskelton	Shores of rivers/pond	More	More	No direct use	Unknown	Unknown	Self Observed

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
No organized markets/fair for domesticated animals/medicinal plants and other products								

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	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Tree	Chir	<i>Pinus roxburghii</i>	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	Unknown	Self Observed
Tree	Kainth	<i>Pyrus pashia</i>	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	<i>Olea cuspidata</i>	Tree	Sub-tropical	Available	Available	Own use	Stem, branches	Stem and branches are used for making handles of agricultural tools.	Unknown	Self Observed
Tree	Fagada	<i>Ficus palmata</i>	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	Champ	<i>Alnus nepalensis</i>	Tree	Sub-tropical/ Temperate	Available	Available	Own use	Stem	Timber value	Unknown	Self Observed

Tree	Akhrot	<i>Juglans regia</i>	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	Shisham	<i>Dalbergia Sissoo</i>	Tree	Scattered tree found in village area	Available	Available	Own use	Leaves, Stem	Leaves-Medicinal Value, Stem- Timber value	Medicinal value	Self Observed
Tree	Dhaman	<i>Grewia optiva</i>	Tree	Sub-tropical	Available	Available	Own use	Leaves, bark	Leaves- Fodder, Bark-Used for making Ropes	Traditional Use	Self Observed
Tree	Sehtoot	<i>Morus serrata</i>	Tree	Sub-tropical/Mostly found in villages	Available	Available	Commercial use	Leaves, Fruit	Leaves-Feeding the Silkworms, Fruits-Edible	Traditional Use	Self Observed
Tree	Kharak	<i>Celtis australis</i>	Tree	Sub-tropical	Available	Available	Own use	Stem, Leaves	Stem- Timber Value, Leaves-Fodder	Traditional Use	Self Observed
Tree	Sadi	<i>Prunus armeniaca</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Traditional Use	Self Observed
Tree	Apple	<i>Malus domestica</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Medicinal value	Self Observed
Tree	Malook	<i>Diospyrus lotus</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Cultural use	Self Observed
Tree	Bei	<i>Cydonia oblonga</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed

Tree	Aru	<i>Prunus persica</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit, Gum	Edible and rich source of nutrients	Medicinal value	Self Observed
Tree	Allobukhara	<i>Prunus subg.</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Nashpati	<i>Pyrus</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit	Edible and rich source of nutrients	Unknown	Self Observed
Tree	Gargle	<i>Citron</i>	Tree	Sub-tropical	Available	Available	Commercial use	Fruit	Used for preparation of pickle	Cultural Use	Self Observed
Shrub	Kambli	<i>Berberies aristata</i>	Shrub	Temperate	Available	Available	Commercial use	Fruit, Roots	Fruit- Edible, Roots- Medicinal value	Medicinal value	Self Observed
Shrub	Bana	<i>Vitex negundu</i>	Shrub	Sub-tropical	Available	Available	Own use	Leaves, Stem	Leaves- Religious value, Stem- Firewood	Soil Binder	Self Observed
Shrub/Tree	Dhruni	<i>Punica granatus</i>	Shrub/Tree	Sub-tropical/ Temperate	Available	Available	Commercial use	Fruit	Medicinal value	Religious Value	Self Observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Shrub	Sub-tropical/ Temperate	Available	Available	Own use	Fruit, Leaves, Stem, root etc	Medicinal value	Flavouring Agent	Self Observed

Shrub	Ankhee	<i>Rubus elliptica</i>	Shrub	Sub-tropical	Available	Available	Own use	Fruit	Edible	Unknown	Self Observed
Grass	Khabbal	<i>Cyanodon dactylon</i>	Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Religious Value	Self Observed
Grass	Lamb Kaa		Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed
Herbs	Bang	<i>Cannabis sativa</i>	Herbs	Sub Tropical	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed
Herbs	Congress Grass	<i>Parthenium</i>	Herbs	Sub Tropical	Available	Available	Weeds	Unknown	Unknown	Unknown	Unknown
Herbs	Pudina	<i>Mentha spicata</i>	Herbs	Sub-tropical/ Temperate	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed

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	<i>Pinus roxburghii</i>	Wild	Economic, Social	Available
2	Kainth	<i>Pyrus pashia</i>	Wild	Social	Available
3	Kau	<i>Olea cuspidata</i>	Wild	Social	Available
4	Kambli	<i>Berberies aristata</i>	Wild	Soil Binder and Economic	Available

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				
Mendak	<i>Rana tigrina</i>	Wild	Greenish or greyish, pointed snout , long muscular hind limbs	Moist Areas	More	More	No direct use	Unknown	Unknown	Self Observed
Jook	<i>Hirudinea</i>	Wild	Segmented parasite	Moist areas	More	More	Medicinal use	Used for Therapy	Unknown	Self Observed
Sarkeed	<i>Brachyura</i>	Wild	Crustacean, thick exoskelton	Shores of rivers/pond	More	More	No direct use	Unknown	Unknown	Self Observed

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

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
S.No	Local Name	Scientific Name	Variety	Importance	Trends
1	Kamal	<i>Nelumbo nucifera</i>	Wild	Food	
2	Water lily	<i>Nymphaea nouchali</i>	Wild	Medicinal Value	
3	Pattar	<i>Nymphoides ezannoi</i>	Wild	-	
4	Barrian	<i>Acorus calamus</i>	Wild	Medicinal Value	
5	Swal	<i>Chlorophyta</i>	Wild	Organic manure	
6	Hydrilla	<i>Hydrilla verticillata</i>	Wild	-	

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					
Tree	Draink	<i>Melia azedarach</i>	Wild	Forest	Available	Available	Medicinal	Antioxidant, antianalgesic, antidiabetic	Leaves and Seed	Own use	Self observed
Shrub/Tree	Druni	<i>Punica granatus</i>	Wild	Forest	Available	Available	Medicinal and flavouring agent	Superfood, antioxidant	Fruit	Market/Own use	Self observed
Tree	Kamila	<i>Mallotus philippinensis</i>	Wild	Forest	Available	Available	Staining agent	Dying and herbal remedies	Fruit	Own use	Self observed
Tree	Katriad	<i>Bauhinia verigata</i>	Wild	Forest	Available	Available	Medicinal and traditional	Used in dysentery and diarrhea, cure skin diseases	Flower	Own use	Self observed

Tree	Bankakri	<i>Podophylum hexandrum</i>	Wild	Forest	Available	Available	Medicinal	Cures constipation, cold and bacterial infection	Fruit	Market value	Self observed
Tree	Kakarsinghi	<i>Pistacia integerrima</i>	Wild	Forest	Available	Available	Medicinal	Cure cronic Bronchitis	Fruit	Market value	Self observed
Shrub	Kamblu	<i>Berberies aristata</i>	Wild	Forest	Available	Available	Medicinal	Antidiabetic, cure blood pressure, kidney ailments	Roots and Fruit	Market value	Self observed
Shrub	Muskbala	<i>Valeriana jatamansi</i>	Wild	Forest	Available	Available	Medicinal	Stimulant, antispasmodic, treats hysteria, insomnia	Roots and rhizomes	Market value	Self observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Wild	Forest	Available	Available	Medicinal	Disinfectant and antiseptic	Seeds and branches	Own use	Self observed
Shrub	Lal Gandila	<i>Nerium indicum</i>	Wild	Forest	Available	Available	Medicinal	Medicinal properties like anthelmintic, diuretic, cardio tonic, anti cancer	Roots, leaves and bark	Own use	Self observed

Herb	Barrain	<i>Acorus calamus</i>	Wild	Forest	Available	Available	Medicinal	Used for gastro intestinal problem	Roots	Market value	Self observed
Herb	Kins	<i>Dioseoria deltoidea</i>	Wild	Forest	Available	Available	Medicinal	Treatment of dogestive disorders, sore throat, wounds, burns, anaemia	Rhizomes, leaves	Market/Own use	Self observed
Herb	Gucchi	<i>Morchella esculenta</i>	Wild	Forest	Available	Available	Medicinal	Treatment of indigestion, phlegm coup, shortness of breath	Whole part	Market value	Self observed
Herb	Bhang	<i>Cannabis sativa</i>	Wild	Forest	Available	Available	Medicinal	Cure fever, dysentery sunstroke and give alertness to the body	Leaves	Own use	Self observed
Herb	Banafsha	<i>Viola odorata</i>	Wild	Forest	Available	Available	Medicinal	Used to reduce stress, fatigue, insomnnia, menopause depression, common cold, influenza	Leaves, flower	Market value	Self observed
Herb	Kuth	<i>Saussurea lappa</i>	Wild	Forest	Available	Available	Medicinal	Antihelminthic, tonic, stimulates the brain, used in the disease of liver, kidney and blood	Roots	Market value	Self observed

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 Knowledge Holder
				Past	Present					
Jangli Pudina	<i>Mentha arvensis</i>	Pudina	Moist area	Available	Available				Unknown	Self Observed
Chaleri	<i>Amaranthus viridis</i>		Agriculture Lands	Available	Available	As vegetable	Leaves	Traditional	Unknown	Self Observed
Dheu	<i>Artocarpus lakoocha</i>	Jackfruit	Agriculture Lands	Available	Available	Fruits used for pickle	Fruit	Traditional	Unknown	Self Observed
Lasoora	<i>Cordia dichotoma</i>		Agriculture Lands	Available	Available	Fruits used for pickle	Fruit	Traditional	Unknown	Self Observed
Tald	<i>Discorea bulbefera</i>		Forest/ Fallow Lands	Available	Available	Rhizome used for pickle and vegetable	Rhizome	Traditional	Unknown	Self Observed
Ammi	<i>Oxalis corniculata</i>		Forest/ Fallow 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

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
Kachnar	<i>Bauhinia verigata</i>	Wild	Forest	Commercial	Flower-Edible and medicinal value	Unknown	Self observed
Batai	<i>Salix alba</i>	Wild	Forest	Commercial	Timber value	Unknown	Self observed
Saru	<i>Thuja occidentalils</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed

Format 25: Fumigate / Chewing Plants

1	2	3	4	5	6		7	8	9	10	11
Plant(Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other Details (mode of use)	Community Knowledge Holder
					Past	Present					
Tree	Akhrot	<i>Juglans regia</i>	Local	Temperate	Available	Available	Teeth and gum Disease	Leaves	-	Leaves used for brushing teeth	Self observed
Tree	Flai	<i>Acacia modsta</i>	Wild	Sub-tropical	Available	Available	Teeth and gum diseases	Branches	-	Branches used for brushing teeth	Self observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Wild	Sub-tropical/ Temperate	Available	Available	Disinfectant and antiseptic	Branches, fruit	-	Branches used for brushing teeth and fruit for medicinal purpose	Self observed
Shrub	Tulsi	<i>Ocimum sanctum</i>	Local	Moist soil/Temperate	Available	Available	Antioxidant, antiaging, treats Kidney stones, Relieves fever	Leaves	-	Leaves used in traditional medicines	Self observed
Shrub	Saunf	<i>Foeniculum vulgare</i>	Local	Humid/Temperate	Available	Available	Purify blood, improves eyesight	Fruit		Traditional use	Self observed
Herb	Pudina	<i>Mentha spicata</i>	Local	Near streams/Wet areas	Available	Available	Antiviral, antibacterial, anti-inflammatory	Leaves	-	Traditional use	Self observed

Herb	Methi	<i>Trigonella foenum-graecum</i>	Local	Sub-tropical	Available	Available	Balance cholesterol, maintain liver and health	Seeds	-	Traditional use	Self observed
Herb	Dhania	<i>Coriandrum sativum</i>	Local	Sub-tropical	Available	Available	Digestion problems	Leaves, Seeds	-	Traditional use	Self observed
Herb	Bang	<i>Cannabis sativa</i>	Wild	Sub-tropical	Available	Available	Cure fever, dysentery sunstroke and give alertness to the body	Leaves	-	-	Self observed
Climber	Geloy	<i>Tinospora cardifolia</i>	Wild	Tropical/dry forests	Available	Available	Boost immunity, reduces stress and anxiety	Stem	-	Medicinal value	Self observed

Format 26: Timber Plants

1	2	3	4		5	6	7	8
Local Name	Scientific Name	Habitat	Local Status		Other Uses if any	Associated TK	Other Details	Community Knowledge Holder
			Past	Present				
Chir	<i>Pinus roxburghii</i>	Sub-tropical	Available	Available	Resin/Firewood/ Wastewood	Wild	Wastewood used for plywood	Self Observed
Toot	<i>Morus serrata</i>	Sub-tropical	Available	Available	Furniture	Wild	Wood used for Furniture	Self Observed
Draink	<i>Melia azedarach</i>	Sub-tropical	Available	Available	Furniture	Wild	Wood used for Furniture	Self Observed
Akhrot	<i>Juglans regia</i>	Sub-tropical/ Temperate	Available	Available	Furniture	Local/Wild	Wood used for Furniture	Self Observed
Champ	<i>Alnus nepalensis</i>	Moist area	Available	Available	Firewood	Wild		Self Observed
Deodar	<i>Cedrus deodara</i>	Temperate	Available	Available	Firewood	Wild		Self Observed
Kail	<i>Pinus wallichiana</i>	Temperate	Available	Available	Firewood	Wild		Self Observed
Safeda	<i>Ecalyptus globu</i>							
Kau	<i>Olea europaea</i> subsp.							

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>Panther Pardus</i>	Terrestrial/Forest	Pale yellowish to dark golden with dark spots, Fur is generally soft	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Billi	<i>Felis Bengalensis</i>	Terrestrial/Forest	Body and limbs are marked with black spots of varying size and colour	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Jangli Billi	<i>Felis Chaus</i>	Terrestrial/Forest	Grey fur without spots, solitary nature and mostly used to prey small mammals and birds	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Ged	<i>Canis aureus</i>	Terrestrial/Forest	Less prominent forehead, shorter legs and often hunts alone	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Ged	<i>Vulpes bengalensis</i>	Terrestrial/Forest	Medium size foxes with large bushy tail	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals

Mammals	Bandar	<i>Innuus rhesus</i>	Arboreal/ Lives near habitation	Mostly found near the communities and forest rich in wild fruits	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Khadkanu	<i>Lepus nigricollis</i>	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	Unknown	Unknown	Non applicable	-	Locals
Mammals	Newla	<i>Herpestes edwarsi</i>	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	Unknown	Unknown	Non applicable	-	Locals
Mammals	Pijad	<i>Capra faconeri</i>	Temperate/ Terrestrial	Male and female both posses extremely bold, flared, corkscrew like horns which twist outwards	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Resh	<i>Ursus americanus</i>	Temperate/ Terrestrial	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	Unknown	Unknown	Non applicable	-	Locals

Mammals	Sae	<i>Hystrix indica</i>	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	Unknown	Unknown	Non applicable	-	Locals
Mammals	Chua	<i>Rattus rattus</i>	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	Unknown	Unknown	Non applicable	-	Locals
Reptiles	Kerli	<i>Hemidatylus frenatus</i>	Wild	Ectothermic, Quinoidurunal	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Reptiles	Khoo	<i>Varauns Bangalensis</i>	Wild	Grey colour with black crossbars from chin to tail	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Reptiles	Dhaleda	<i>Chamaeleo zeylanicus</i>	Wild	Long tongue, feet, prehensile tail	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Birds	Chiddi	<i>Passer domesticus</i>	Temperate/ Terrestrial	House sparrow is a stout, stocky sparrow with shorter legs and brown backed with black streaks	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals

Birds	Kaa	<i>Corvus brachyrhynchos</i>	Temperate/ Terrestrial	Completely black with glossy and slightly iridescent look	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Toota	<i>Psittacula krameri</i>	Terrestrial/ Freshwater	Medium sized bird have a green body with reddish beak. Tail is more than half of the body length	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Ell	<i>Gyps bengalensis</i>	Temperate/ Terrestrial	Medium sized, bilateral symmetry, homiothermic	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Lundhi	<i>Haliaeetus leucocephalus</i>	Temperate	Endothermic, bilateral symmetry	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Kabutar	<i>Columba livia</i>	Forest	Dark bluish grey head, neck and chest, billateral symmetry	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Gatari	<i>Acridotheres tristis</i>	Terrestrial, tropical and temperate	Yellow bills, legs and eye skin. Brown with a white head	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Bulbul	<i>Pycnonotus leucogenys</i>	Arboreal/ Forest	Head, throat and crest are black and white with long tail	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals

Birds	Kala Titar	<i>Melanoperdix niger</i>	Wild	Small partridge with a thick bill, grey legs and dark brown iris	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Amphibia	Mendak	<i>Rana tigrina</i>	Wild	Solitary, nocturnal, snout pointed, tympanum distinct, skin with longitudinal folds	Monsoon	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Amphibia	Jook	<i>Hirudinea</i>	Wild	Parasitic or predatory, cylindrical with a fluid filled space	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Amphibia	Sarkeed	<i>Brachyura</i>	Aquatic	Crustacean covered with thick exo skelton	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Insects	Songla	<i>Periplaneta americana</i>	Near Habitation	Reddish brown with a pale brown or yellow band, jointed legs	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Insects	Trida	<i>Orthoptera caelifera</i>	Wild	Cylindrical body with elongated hindlegs and musculature adapted for jumping	Monsoon	Available	Available	Uknown	Unknown	Non applicable	-	Locals
Insects	Timba	<i>Anisoptera</i>	Wild	Strong flying insects with body divided in three segments head, thorax and abdomen	All seasons	Available	Available	Uknown	Unknown	Non applicable	-	Locals

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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.)

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.)

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
	Nil	

End of Part II