

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti Bhullari

Taluk: Duggan

District: Kathua

State: Jammu and Kashmir

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total 3500

Male 1700 **Female** 1800

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 : 26/10/2020

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: Darshan Singh (Naib-Sarpanch) (Mobile:6006733192)

Age: 33 Years

Gender: Male

Address: Bhullari ward no 1

Area of specialization:

2) Name: Rano Devi (Sarpanch) (Moble: 8899915526)

Age: 43 Years

Gender: Female

Address: Bhullari ward no 4

Area of specialization:

3)Name: Ashok Kumar (Mobile: 8493093980)

Age: 44 Years

Gender: Male

Address: Bhullari ward no 2

Area of specialization:

4)Name: Ram Dey (Mobile: 8493093980)

Age: 41 Years

Gender: Female

Address: Bhullari ward no 2

Area of specialization:

5)Name: Dhayan Singh (Mobile: 8082004158)

Age: 46 Years

Gender: Male

Address: Bhullari ward no 4

Area of specialization:

6)Name:

Age:

Gender:

Address:

Area of specialization:

7)Name:

Age:

Gender:

Address:

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 : Naresh Kumar
Age: 30 Years
Gender: Male
Address: Bhullari Ward No 4
Area of specialization: Medical
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
2) Name: Usha Devi
Age: 50 Years
Gender: Female
Address: Bhullari Ward No 3
Area of specialization: Help in Child birth (Dhai)
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: Rattan Chand

Age: 48 Years

Gender: Male

Address: Bhullari

Area of specialization:

2) Name of the Chairperson: Om Parkash

Age: 37 Years

Gender: Male

Address: Ward No. 3

Area of specialization: Fisheries

3) Name of the Chairperson:

Age: 35 Years

Gender: Male

Address: Ward No. 4

Area of specialization: Forestry

4) Name of the Chairperson: Rajesh Kumar

Age: 21 Years

Gender: Male

Address: Ward No. 6

Area of specialization: Agriculture

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: Jagat Ram Bhullari (Head Master) GMS-Bhullari

2) Contact Person: 7006013082

Name and Address: Ankesh Kumar (Teacher) GHSS Dullangl

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							
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
Mustard	<i>Brassica</i>	Sirso					Abundant							
Maize	<i>Zea mays</i>	Makki					Abundant							
Wheat	<i>Triticum</i>	Kanak					Abundant							
Kadam	<i>Neolamarckia cadamba</i>						Rare							

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 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					
Maize	<i>Zea Mays</i>	Macca	Cultivation Land	...	....	Deptt. of Agri.	Cereals	Whole Plants	....	....
Jowar	<i>Sorghum bicolor</i>	Chari	Cultivation Land	...	...	Deptt. of Agri.	Fodder	Whole Plants	....	....
	<i>Quercus</i>	Banj	Cultivation Land	...	...	Deptt. of Agri.	Fodder	Whole Plants	....	....
	<i>Pyrus pashia</i>	Kainth	Cultivation Land	...	...	Deptt. of Agri.	Fodder	Whole Plants	....	....
	<i>Avena sativa</i>	Oat	Cultivation Land	...	...	Deptt. of Agri.	Fodder	Whole Plants	....	....
	<i>Hordeum vulgare</i>	Joo	Agriculture	Available	Available	Deptt. of Agri.	Fodder			
	<i>Morus alba</i>	Toot	Cultivation Land	...	...	Deptt. of Agri.	Fodder	Whole Plants	....	....
	<i>Ptyas mucosa</i>	Dhaman	Cultivation Land	...	...	Deptt. of Agri.	Fodder	Whole Plants	....	....

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					
Motha	<i>Cyperus Rohunds</i>	Deela	Pealdy	Pealdy	Crop Competitor	Planty	.....	.....	Cultural and Chemical Control	.....	Adversly Affected Crop	.....
Dhoob	<i>Cynodone</i>	dhoob	Matze	Maize	Crop Competitor	Planty	.....	.....	Cultural and Chemical Control	Fodder religious uses	not control in time	....
	<i>Lantana camara</i>	Lantana										

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
Apple, Palm, Pear, Peach, Appricot	Insect	<i>Quadraspidiotus perniciosus</i>	San jose Scale	....	Full Year	Biological/Chemical	.....	.....	.....
	Insect	<i>Eriosoma lanigerum</i>	Woolly Aphids	....	Feb-April	Biological/Chemical	.....	.....	.....
Peach, Palm, Appricot	Insect	<i>Brachycaudus helchrysi</i>	Peach leaf curl abhid	Soil	Winter	Biological/Chemical	.....	.....	.....
Citrus	Insect	<i>Aonidiella auranti</i>	Red scale	Soil	All Season	Biological/Chemical	.....	.....	.....
	Insect	<i>Phyllocnistis citrella</i>	Leaf miner	....	March-Nov.	Biological/Chemical	.....	.....	.....
	Insect	<i>Psorosticha zizyphi</i>	Leaf folder	....	April-Oct.	Biological/Chemical	.....	.....	.....
Walnut	Insect	<i>Alcidolus porrectirosis</i>	Leaf folder	....	April-June	Biological/Chemical	.....	.....	.....
Grasshopper	Insect	....	Tidde	....		Pheromontrap chemical control	....	....	....

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
No organised Market	No organised Cooling	Sheep and Goat	2	From Village of the Pyt.	Local consupion	...	...	...

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

Format 7: Peoplescape

1	2	3	4	5	6	7	8	9	10	11
Community & Population	Families & Major occupation	Sub-occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs
1102	Agri	Labour	Land Labour	Water	Landscape	Maize (880)	ST- 80%	Poor	Normal	186
						-222	SC- 20%			
						0	OC- Nil			

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

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											
Cultivated Land			Small Fields	Hilly Terrian	Private Land	Grass	Goats/ Sheeps/ Cows	Local People	Local DRSM	Cultivation	N/A	Un Known	Local
Non Cultivated Land			Meadows	Slopy	Private/Govt.	Grass	Goats/ Sheeps/ Cows	Local People	Land Bunds Plants	Grazing Purpose	N/A	Un Known	Local
Irrigated Land			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non Irrigated Land			Small Fields	Hilly Terrian	Private Land	Grass	Goats/ Sheeps/ Cows	Local People	Local DRSM	Cultivation	N/A	Un Known	Local
Forest Land			Dense to open Canopy	Steep Slope	Govt.	Deodar	Lepord Deer	N/A	N/A	N/A	N/A	Un Known	Local
Grazing Land			Meadows	Sloopy	Private/Govt.	Grass	Goats/ Sheeps/ Cows	Local People	Land Bunds Plants	Grazing Purpose	N/A	Un Known	Local

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	Pnds	Seasonal	Govt./ Pvt.	Algea / Barian	Frog / Toad	Cattle Drinking	Local use	Self/RDD/Forest	Cloth washing/ Animal drinking small scale irrigation	....		Local
Nallhas	Nallahs	Tributaries of Streams	Govt. Land	Algea	Crab, Fish, Frog, Toad	Animal drinking and Feeding Streams	Local use	Natural	Cloth washing/ Animal drinking small scale irrigation	....		Local
Khads Stream	Stream	Feeded by Nallah	Govt. Land	Algea	Crab, Fish, Frog, Toad	Animal drinking and Feeding Streams	Local use	Govt. Agencies	Cloth washing/ Animal drinking small scale irrigation	....	Feeding to Gatti Dam	Local
Direct Flow	Flow	Outcomming from Hills	Govt./ Pvt.	Fern, Grasses, Algae Weeds	Crab, Fish, Frog, Toad	Human use	Local use	Locally Managed	Human use / small irrigation	....		Local

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
Clay- Loamy Soil	Reddish /Fine	Compact Soil	Danga Work	Maize, Rajmash	Deoar, Leopard	...	...
Black Soil	Black/ Coarse	Loose Containing pebbles	Danga Work	Maize, Rajmash	Deoar, Leopard	...	...
Sandy-Loam Soil	Coarse	Loose Soil	Danga Work	Maize, Rajmash	Deoar, Leopard	...	...

DOMESTICATED BIODIVERSITY

Format 11: FRUIT TREES												
1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
Apple	Seb	<i>Malus domestica</i>	Maharaji, Golden delicious,	Agri. Land	Available	Abundant	Seed/Plant	March/July		....	Market/ Own use	....
Peach	Addo	<i>Prunus persica</i>	Local, Shan e punjab	Agri. Land	Abundant	Available	Seed/Plant	March/July		....	Market/ Own use	....
Pear	Nashipati/ Babugosha	<i>Pyrus communis</i>	Pathar nakh, Starkrimson	Agri. Land	Abundant	Abundant	Seed/Plant	March/July		....	Market/ Own use	....
Lime	Nimbu	<i>Citrus x aurautifolia</i>	Kaghzi	Agri. Land	Abundant	Available	Seed/Plant	March/ Sept.		....	Own use	....
Plum	Alu bukhara	<i>Prunus saliciana</i>	Santa Rosa, Local	Agri. Land	Abundant	Abundant	Seed/Plant	March/July		....	Market/ Own use	....
Apricot	Cher	<i>Prunus armeniaca</i>	Wild, Charmagz	Agri. Land	Abundant	Available	Seed/Plant	March/July		....	Market/ Own use	....
Walnut	Akhrot	<i>Juglans regia</i>	Local, Kagzi	Agri. Land	Abundant	Abundant	Seed/Plant	March/ Sept.		....	Market/ Own use	....
Lemon	Local	<i>Citrus x limon</i>	Baramassi, Galgal	Agri. Land	Available	Available	Seed/Plant	March/ Sept.		....	Own use	....

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	Saddar	<i>Gerardinia heterophylla</i>	Wild	Temperature	Natural	Available	Available	Digestion	Leaves	...	Own use	Self Observed
HERBS	Kasrod	<i>pteridium acquilium</i>	Wild	Temperature	Natural	Available	Available	Digestion	Tender Shoot	...	own use /Market	Self Observed
HERBS	Burj		Wild	Temperature	Natural	Available	Available	Fire	Leaves	...	own use /Market	Self Observed
HERBS	Pudina	<i>Mentha arveness</i>	Wild	Temperature	Natural	Available	Available	species	Leaves	...	own use /Market	Self Observed
HERBS	Bhang	<i>cannabis sativa</i>	Wild	Temperature	Natural	Available	Available	Cough	Leaves	...	own use /Market	Self Observed
HERBS	Brahmi	<i>centella asiatica</i>	Wild	Temperature	Natural	Available	Available	Brain Tonic	Leaves	...	own use /Market	Self Observed
HERBS	Banafsha	<i>viola biflora</i>	Wild	Temperature	Natural	Available	Available	Medical Uses	Flowers	...	own use /Market	Self Observed
HERBS	Zakhim-e-hayat	<i>saxifraga ligulata</i>	Wild	Temperature	Natural	Available	Available	Antiseptic	All Parts	...	own use /Market	Self Observed
TUBERS	Salam Mishri	<i>polygonatum vericellatur</i>	Wild	Temperature	Natural	Available	Available	Liver tonic	Root/Shoots	...	own use /Market	Self Observed
TUBERS	Pateesh	<i>Aconitum heterophyllum</i>	Wild	Temperature	Natural	Available	Available	Medical Uses	Roots	...	own use /Market	Self Observed
TUBERS	Kins	<i>Dioscorea deltoidea</i>	Wild	Temperature	Natural	Available	Available	Medical Uses	Roots	...	own use /Market	Self Observed
TUBERS	Ban kakru	<i>podophyllum emodi</i>	Wild	Temperature	Natural	Available	Available	Medical Uses	Root/Fruits	...	own use /Market	Self Observed
TUBERS	Mushkbala	<i>Valeriana Wallachi</i>	Wild	Temperature	Natural	Available	Available	Medical Uses	Roots	...	own use /Market	Self Observed
TUBERS	jungli ajwain	<i>Thymus serphyllum</i>	Wild	Temperature	Natural	Available	Available	Medical Uses	Leaves	...	own use /Market	Self Observed
TUBERS	Gucchi	<i>Morchella esculentum</i>	Wild	Temperature	Natural	Available	Available	Medical Uses	All Parts	...	own use /Market	Self Observed
TREES	phagora	<i>Ficus palmata</i>	Wild	Temperature	Natural	Available	Available	Medical Uses	Fruits	...	own use /Market	Self Observed
TREES	Deodar	<i>Cedrus deodara</i>	Wild	Temperature	Natural	Available	Available	Medical Uses	Oil	...	own use /Market	Self Observed
	Rasoont	<i>Berberis aristata</i>										
	Amla	<i>Phyllanthus emblica</i>										
	Giloy	<i>Tinospora cordifolia</i>										
	Bana	<i>Vitex nigundo</i>										
	Garna	<i>Carissa 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,/ Perennial/annual/seasonal

	Ox	<i>Bos Taurus</i>										
	Dog	<i>Canis lupus familiaris</i>										
	Horse	<i>Equus caballus</i>										
	Mule	<i>Equus asinus</i> × <i>Equus caballus</i>										
	Donkey	<i>Equus asinus</i>										
	Cat	<i>Felis catus</i>										
	Pig	<i>Sus</i>										
	Goat	<i>Capra aegagrus hircus</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					

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	Kharshu	<i>Quercus semecarpifolia</i>	Tree	Temperate	Available	Available	Own Use	Wood/Leaves	--	--	Self Observed
TREE	Fir	<i>Abies pindrow</i>	Tree	Temperate	Available	Available	Own Use	Wood	--	--	Self Observed
TREE	Spruce	<i>Picea smithiana</i>	Tree	Temperate	Available	Available	Own Use	Wood	--	--	Self Observed
TREE	Deodar	<i>Cedrus deodara</i>	Tree	Temperate	Available	Available	Own Use	Wood	--	--	Self Observed
TREE	Akhrot	<i>Juglans regia</i>	Tree	Temperate	Available	Available	Own Use	All Parts	--	--	Self Observed
TREE	Kainth	<i>Pyrus pashia</i>	Tree	Temperate	Available	Available	Own Use	Wood/Fruit	--	--	Self Observed
TREE	H C Nut	<i>Aesculus indica</i>	Tree	Temperate	Available	Available	Own Use	Wood/Fruit/Leaves	--	--	Self Observed
TREE	Khadak	<i>Celtis australis</i>	Tree	Temperate	Available	Available	Own Use	Wood/Leaves	--	--	Self Observed
TREE	Rubinia	<i>Robinia psedocacia</i>	Tree	Temperate	Available	Available	Own Use	Wood/Leaves	--	--	Self Observed
TREE	Safada	<i>Populus deltida</i>	Tree	Temperate	Available	Available	Own Use	Wood	--	--	Self Observed
TREE	Bidhaa	<i>Salix alba</i>	Tree	Temperate	Available	Available	Own Use	Wood/Leaves	--	--	Self Observed
TREE	Phagora	<i>Ficus palmata</i>	Tree	Temperate	Available	Available	Own Use	Wood/Fruit	--	--	Self Observed
TREE	Toot	<i>Morus serrata</i>	Tree	Temperate	Available	Available	Own Use	Wood/Leaves/Fruit	--	--	Self Observed
TREE	Doria	<i>Cedrela serrata</i>	Tree	Temperate	Available	Available	Own Use	Wood	--	--	Self Observed
SHRUBS	Tlahnju	<i>Vinernum grandiflorum</i>	SHRUBS	Temperate	Available	Available	Own Use	Wood/Fruit	--	--	Self Observed
SHRUBS	Kemblu	<i>Berberis spp.</i>	SHRUBS	Temperate	Available	Available	Own Use	All Parts	--	--	Self Observed
HERBS	Saddar	<i>Gerardinia heterophylla</i>	HERBS	Temperate	Available	Available	Own Use	Leaves	--	--	Self Observed
HERBS	Kasrod	<i>Pteridium acquilinum</i>	HERBS	Temperate	Available	Available	Own Use/comm	Tender Shoot	--	--	Self Observed
HERBS	Pudina	<i>Mentha arvenses</i>	HERBS	Temperate	Available	Available	Own Use	Leaves	--	--	Self Observed
HERBS	Bhang	<i>Cannabis sativa</i>	HERBS	Temperate	Available	Available	Own Use/comm	Leaves	--	--	Self Observed
HERBS	Brahmi	<i>Centella asiatica</i>	HERBS	Temperate	Available	Available	Own Use/comm	Leaves	--	--	Self Observed
HERBS	Banafsha	<i>Viola biflora</i>	HERBS	Temperate	Available	Available	Own Use/comm	Flowers	--	--	Self Observed

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	Kharshu	<i>Quercus semecarpifolia</i>	Wild	Social and Economic	Available
2	Fir	<i>Abies pindrow</i>	Wild	Social and Economic	Available
3	Spruce	<i>Picea smithiana</i>	Wild	Social and Economic	Available
4	Deodar	<i>Cedrus deodara</i>	Wild	Social and Economic	Available
5	Akhrot	<i>Juglans regia</i>	Wild	Social and Economic	Available
6	Kainth	<i>Pyrus pashia</i>	Wild	Social and Economic	Available
7	H C Nut	<i>Aesculus indica</i>	Wild	Social and Economic	Available
8	Banj	<i>Quercus incana</i>	Wild	Social and Economic	Available
9	Khadak	<i>Celtis australis</i>	Wild	Social and Economic	Available
10	Chew	<i>Rhododendron arboreum</i>	Wild	Social and Economic	Available
11	Rubinia	<i>Robinia psedocacia</i>	Wild	Social and Economic	Available
12	Safada	<i>Populus deltida</i>	Wild	Social and Economic	Available
13	Bidhaa	<i>Salix alba</i>	Wild	Social and Economic	Available
14	Phagora	<i>Ficus palmata</i>	Wild	Social and Economic	Available
15	Toot	<i>Morus serrata</i>	Wild	Social and Economic	Available
16	Doria	<i>Cedrela serrata</i>	Wild	Social and Economic	Available
17	Tlahnju	<i>Vinernum grandiflorum</i>	Wild	Social and Economic	Available
18	Kemblu	<i>Berberis spp.</i>	Wild	Social and Economic	Available
19	Saddar	<i>Gerardinia heterophylla</i>	Wild	Social and Economic	Available
20	Kasrod	<i>Pteridium acquilinum</i>	Wild	Social and Economic	Available
21	Pudina	<i>Mentha arvenses</i>	Wild	Social and Economic	Available
22	Bhang	<i>Cannabis sativa</i>	Wild	Social and Economic	Available
23	Brahmi	<i>Centella asiatica</i>	Wild	Social and Economic	Available
24	Banafsha	<i>Viola biflora</i>	Wild	Social and Economic	Available
25	Zakhm-e-hayat	<i>Saxifraga ligulata</i>	Wild	Social and Economic	Available
26	Salam Mishri	<i>Polygonatum vericellatum</i>	Wild	Social and Economic	Available
27	Kor	<i>Picrorhiza kurrua</i>	Wild	Social and Economic	Available
28	Pateesh	<i>Aconitum heterophyllum</i>	Wild	Social and Economic	Available
29	Kins	<i>Dioscorea deltoidea</i>	Wild	Social and Economic	Available
30	Ban Kakru	<i>Podophyllum emodi</i>	Wild	Social and Economic	Available
31	Mohra	<i>Aconitum chasmanthum</i>	Wild	Social and Economic	Available

32	Mushkbala	<i>Valeriana wallachi</i>	Wild	Social and Economic	Available
33	Jungali ajwain	<i>Thymus serphyllum</i>	Wild	Social and Economic	Available
34	Gucchi	<i>Morchella esculentum</i>	Wild	Social and Economic	Available
35	Drub Ghas	<i>Cynodon dactylon</i>	Wild	Social and Economic	Available
36	Beeran Ghas	<i>Chrysopogon achinodatus</i>	Wild	Social and Economic	Available
37	Tilba Ghas	<i>Babri spp.</i>	Wild	Social and Economic	Available
38	Phaguri	<i>Ivy Spps.</i>	Wild	Social 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				
Shabaar	<i>Chlorophytus Spps.</i>			Standing water	Available	Available	Skin Burn			Self-Observed
Barian	<i>Acorus calamus</i>			Moist land	Available	Available	Antiflatulent			Self-Observed
Machli(Snow Trout)	<i>Schizothorax richardsonii</i>			Soft water	Available	Available	Food			Self-Observed
daddu(Frog)	<i>Bufo bufo</i>			Water	Available	Available				Self-Observed
Shakraida	<i>Cancer magister</i>			Flowing water	Available	Available				Self-Observed
Saanp	<i>Serpentes Spps.</i>			Water	Available	Available				Self-Observed
Mendak	<i>Rana anura</i>			Water	Available	Available				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
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Algae	<i>Chlorophyta</i>	Wild	Minerals and Vitamins	--
2	Barian	<i>Acorus calamus</i>	Wild	Antiflatulent	--

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	Saddar	<i>Gerardinia heterophylla</i>	Wild	Temperate	Available	Available	--	Digestion	Leaves	--	Self Observed
HERBS	Kasrod	<i>Pteridium acquilinum</i>	Wild	Temperate	Available	Available	--	Digestion	Tender Shoot	--	Self Observed
HERBS	Burj		Wild	Temperate	Available	Available	--	Fire	Leaves	--	Self Observed
HERBS	Pudina	<i>Mentha arvenses</i>	Wild	Temperate	Available	Available	--	Spices	Leaves	--	Self Observed
HERBS	Bhang	<i>Cannabis sativa</i>	Wild	Temperate	Available	Available	--	Cough	Leaves	--	Self Observed
HERBS	Brahmi	<i>Centella asiatica</i>	Wild	Temperate	Available	Available	--	Brain tonic	Leaves	--	Self Observed
HERBS	Banafsha	<i>Viola biflora</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Flowers	--	Self Observed
HERBS	Zakhm-e-hayat	<i>Saxifraga ligulata</i>	Wild	Temperate	Available	Available	--	Antiseptic	All Parts	--	Self Observed
TUBERS	Salam Mishri	<i>Polygonatum vericellatum</i>	Wild	Temperate	Available	Available	--	Liver tonic	Roots/Shoots	--	Self Observed
TUBERS	Pateesh	<i>Aconitum heterophyllum</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Roots	--	Self Observed
TUBERS	Kins	<i>Dioscorea deltoidea</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Roots	--	Self Observed
TUBERS	Ban Kakru	<i>Podophyllum emodi</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Roots/Fruits	--	Self Observed
TUBERS	Mohra	<i>Aconitum chasmanthum</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Roots	--	Self Observed
TUBERS	Mushkbala	<i>Valeriana wallachi</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Roots	--	Self Observed
TUBERS	Jungali aiwain	<i>Thymus serphyllum</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Leaves	--	Self Observed
TUBERS	Gucchi	<i>Morchella esculentum</i>	Wild	Temperate	Available	Available	--	Medicinal uses	All Parts	--	Self Observed
TREES	Chew	<i>Rhododendron arboreum</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Flowers	--	Self Observed
TREES	Phagora	<i>Ficus palmata</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Fruits	--	Self Observed
TREES	Deodar	<i>Cedrus deodara</i>	Wild	Temperate	Available	Available	--	Medicinal uses	Oil	--	Self Observed

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					
Bankakru	<i>Podophyllum hexadrum</i>	Kheera	Temperate	Available	Available	Salad	Root/Fruit	--	--	Self-Observed
Jangali Pudina	<i>Mentha arvenses</i>	Pudina	Temperate	Available	Available	Spices	Leaves	--	--	Self-Observed
Guchhi	<i>Morchella esculentum</i>	Mashroom	Temperate	Available	Available	Veg.	All Parts	--	--	Self-Observed
Van ajwain	<i>Trachyspermum ammi</i>		Along with River		Available	Medicinal	All Parts			By community

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

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				
Deodar	<i>Cedrus deodara</i>	Temperate	Available	Available	Timber	House constt	--	Self-Observed
Spruce	<i>Picea smithiana</i>	Temperate	Available	Available	Timber	House constt	--	Self-Observed
Fir	<i>Abies pindrow</i>	Temperate	Available	Available	Timber	House constt	--	Self-Observed
Doria	<i>Cedrela serrata</i>	Temperate	Available	Available	Timber	House constt	--	Self-Observed
Safada	<i>Populus deltida</i>	Temperate	Available	Available	Timber	House constt	--	Self-Observed
Robinia	<i>Robinia psedocacia</i>	Temperate	Available	Available	Timber	Agr. Equip.	--	Self-Observed
Akhrot	<i>Juglans regia</i>	Temperate	Available	Available	Timber	Furniture	--	Self-Observed
Toot	<i>Morus serrata</i>	Temperate	Available	Available	Timber	Furniture	--	Self-Observed
Banj	<i>Quercus</i>							
Kanth	<i>Pyrus Pashia</i>							

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>Panthera pardus</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Mammals	Black Bear	<i>Selenarctos thibetanus</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Mammals	Brown Bear	<i>ursus arctos</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Mammals	Pijjar	<i>Nemorchaedus goral</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Mammals	kastura	<i>Moscus moschiferus</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Mammals	Jungali Billi	<i>Felis chaus</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Mammals	Langoor	<i>Semnopithecus entellus</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Mammals	Bandar	<i>Macaca fascicularis</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Mammals	Fox	<i>Canis latrans</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Mammals	Navla	<i>Herpestes edwardsii</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Chidya	<i>Passer domesticus</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Owlet	<i>Strigidae spp</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Kabutar	<i>Columbidae</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Murga	<i>Catreus wallichii</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Tota	<i>Melopsittacus undulatus</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Kawa	<i>Corvus corax</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Neel	<i>Lophophrus impejanus</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Vulture	<i>Gyps himalayan</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Pecker	<i>Picoides spp.</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Birds	Hawk	<i>Buteo jamaicensis</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Reptiles	House Lizard	<i>Ghemidactylus frenatus</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Reptiles	Saanp	<i>Serpentes spp.</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Reptiles	Common Lizard	<i>Podarcis muralis</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Reptiles	Chameleon	<i>Calotes Versicolor</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Amphibians	Mandak	<i>Rana anura</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Amphibians	Daddu(Frog)	<i>Bufo bufo</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Amphibians	Saanp	<i>Serpentes spp.</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Insects	Cockroach	<i>Periplaneta americana</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Insects	Mosquito	<i>Culicidae spp</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Insects	Ant	<i>Formicidae spp.</i>	Temperate	...	...	Available	Available	...	...	Banned	...	Self-Observed
Insects	Housefly	<i>Musca domestica</i>	Temperate	Available	Available	Banned	...	Self-Observed

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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
1)	Chandi Mata Mandir	

End of Part II