

People Biodiversity Register (PBR): General Details in Ppt. of Aghar Jitto Block Katra District Reasi

Name of the Panchayat Samiti : Grana

Taluk: Katra ,Grana

District: Reasi

State: J&K

Geographical Area of the Panchayat Samiti: 496 HECT

Population under the Panchayat Samiti: Total 1258 (as per 2011 census)

Male: 619 FEMALE:639

Habitat and Topography: Hilly Area

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: Nil

Management Regime: Reserve Forest (RF)/Joint Forest Management(JFM)/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: Asha Devi

Age: 46

Gender: Female

Address: R/o Vill: garan

Area of specialization:

2) Name: Raj Kumari (SC)

Age: 47 years

Gender: FEMALE

Address: R/Ovill: garan

Area of specialization:

3)Name: Baby rani

Age: 31 years

Gender: FEMALE

Address: r/o Pungath

Area of specialization:

4)Name: Abdul gafoor (ST)

Age: 40 yrs

Gender: MALE

Address: r/o vill: Chamyara

Area of specialization:

5)Name: Jagdish Singh

Age: 60 Yrs

Gender: MALE

Address: R/Ovill: Chamyara

Area of specialization:

6)Name: Madan lal (SC)

Age: 42 yrs

Gender: male

Address: r/o Vill: Garan

Area of specialization:

7)Name: Mohd. Gafoor (ST)

Age: 56 yrs

Gender: Male

Address: r/o Jammu

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 : Tarachand

Age: 56 years

Gender: Male

Address: R/o Vill: Panatha Ward No. 6

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name: NIL

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: NIL

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: Diyan singh

Age: 54 years

Gender: Male

Address: r/o : Garan Ward no. 2

Area of specialization:

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 : Kuldeep Kumar , Teacher

Name and Address: GMS, Garan

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
			Resolution no. 29 Dt: 25/10/19 pyt-Dhakikote		

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 (hectare)	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Maize	<i>Zea mays</i>	Muck	Improved Varieties only	Hilly	241.65	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Kharif	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department
Wheat	<i>Triticum aestivum</i>	Kank	Improved Varieties only	Hilly	25	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Rabi	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department
Rice	<i>Oryza sativa</i>		Veliyan	Hilly		Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Rabi	Food Fodder Roofing Fuel	Provides more energy	Suitable for “Valicha” cultivation	Farmers / Department/ Private dealers	Farmers/ Department

Pulses	<i>Vigna mungo</i>			Hilly		Plenty	Rare		Rabi	Food Fodder Roofing Fuel	Provides more energy		Farmers / Department/ Private dealers	Farmers/ Department
Mash	<i>vigna Radiata</i>			Hilly		Plenty	Rare		Rabi	Food Fodder Roofing Fuel	Provides more energy		Farmers / Department/ Private dealers	Farmers/ Department
Kulth				Hilly		Plenty	Rare		Rabi	Food Fodder Roofing Fuel	Provides more energy		Farmers / Department/ Private dealers	Farmers/ Department
Channa black				Hilly		Plenty	Rare		Rabi	Food Fodder Roofing Fuel	Provides more energy		Farmers / Department/ Private dealers	Farmers/ Department
Mutter				Hilly		Plenty	Rare		Rabi	Food Fodder Roofing Fuel	Provides more energy		Farmers / Department/ Private dealers	Farmers/ Department

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
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
				Past	Present					
Tree	<i>Mangifera indica</i>	Mango	Hilli	Abundant	Abundant	Farmers/ Departments	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Woody Tree	<i>Emblica officinalis</i>	Amla	wild, Banarsi, Neelam, NA 7.	Abundant	Abundant	Farmers/ Departments	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Woody Tree	<i>Zizyphus mauritiana</i>	Ber	Umran, Katha, Seb	Abundant	Abundant	Farmers/ Departments	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers

Format 3: Fodder Crops / Species

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					
Dub Grass	<i>Cynodon - dactylon</i>	Dub Grass	Rabi/ Kharif		Hilly	abundant	abundant	Fooder	Mechanical, Chemical	-	Agri. & wasteLand	Farmers
Wild oats	<i>Avne fatua</i>	Jangli Javi	Oats		Hilly	abundant	abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers
Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy		Hilly	abundant	abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers

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					
Dub Grass	<i>Cynodon - dactylon</i>	Dub Grass	Rabi/ Kharif		Hilly	abundant	abundant	Fooder	Mechanical, Chemical	-	Agri. & wasteLand	Farmers
Wild oats	<i>Avne fatua</i>	Jangli Javi	Oats		Hilly	abundant	abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers
Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy		Hilly	abundant	abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers

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

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
	Cut worm	<i>Agrotis ipsilon</i>	Ludi/ Toka	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Field rats	<i>Ratus melta</i>	Chouha	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Monkey	<i>Rhesus macaque</i>	Bander/ Tolo	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public
	Porcupine	<i>Erethizon dorsatum</i>	Say	Attacks all crops	All seasons	Mechanical& Chemical measures	-	Cause extensive damage to almost all crops,attacks humans	Farmers/ General Public

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

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
Hindu, Muslim	Agriculture, Farming	Labourer	Terrain	Grass and firewood	Natural regeneration		ST- 20	Normal	Permanent except Bakerwal Community	230
							Sc- 816			
							OBC - Nil			
							General- 177			

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											
Cultivated Land			Forest		Private and forest	Local broad leaves species	Cattle	Local resident	Crop rotation, Multiple cropping,tracking	Farming			Hindu ,Muslim

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
Stream	Puna nallha	Irrigation	State / forest						Drinking			Locals

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

Format 10: Soil type

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable	Flora and fauna	Associated TK	Other information
Sandy loamy and with clay	Light yellow to reddish .	Small particle size compact water and dense.	Provide good drainage ,organic manure in the form of compost.	Wheat , maize.	Ornamental grass, plants with evergreen leaves.		Soil is good for wild varieties of crops.

Format-11: FRUIT TREES DOMESTICATED BIODIVERSITY

1	2	3	4	5	6	7		8	9	10	11	12	13
S. No.	Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local status		Source of Seeds/ Plants	Season of Fruiting	Uses (usages)	Associated TK	Other details market/ own use	Community/ knowledge holder
						Past	Present						
1	Woody Tree	Amb	<i>Mangifera indica</i>	Local, Dashehari, Malda, Amrapali, Mallika, Langra, Swarn Rekha, Chausa, Fazli, Totapuri, Ramkila, Baramasi.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to August	Sucking, table, processing	Record available in old books.	Own uses and sold in market	Popular in local population.
2	Woody Tree	Amrood	<i>Psidium guajava</i>	Local, Allahbad, Sardar, Lalit, Arka Amulaya, Sheveta, Punjab Pink	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to August, Dec. To January	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
3	Woody Tree	Amla	<i>Emblica officinalis</i>	Local, Banarsi, Neelam, NA 7.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to Nov.	Processing	Record available in old books.	Own uses and sold in market	Popular in local population.
4	Woody Tree	Mosammi	<i>Citrus sinensis</i>	Mosambi, Jaffa, Red Blood	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
5	Woody Tree	Sangtra	<i>Citrus reticulata</i>	Kinnow, Sangtra	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
6	Woody Tree	Nimboo	<i>Citrus aurantifolia</i>	Local, Kagzi, Italian, Eureka	Sub-tropical	Good	Good	Grafted Plants	March to Oct.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
7	Woody Tree	Galgal	<i>Citrus limon</i>	Local	Sub-tropical	Good	Good	Seedling andn Grafted Plants	March to Sept.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.

8	Woody Tree	Kimb	<i>Citrus medica</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
9	Woody Tree	Jamiri	<i>Citrus jambhiri</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Oct.	Processing, root stock	Record available in old books.	Own uses and sold in market	Popular in local population.
10	Woody Tree	Narangi	<i>Citrus tangerina</i>	Local	Sub-tropical	Good	Good	Grafted Plants	March to Dec.	Ornamental and processing.	Record available in old books.	Own uses	Popular in local population.
11	Woody Tree	Ber	<i>Zizyphus mauritiana</i>	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted Plants	March to Nov.	Table purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
12	Woody Tree	Phowari Ber	<i>Zizyphus jujuba</i>	Local	Sub-tropical	Good	Good	Seedlings	March to Nov.	Table purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
13	Woody Tree	Jamun	<i>Syzygium cumini</i>	Local	Sub-tropical	Good	Good	Seedlings and Grafted	March to July	Processing	Record available in old books.	Own uses and sold in market	Popular in local population.
14	Woody Tree	Lasooda	<i>Cordia myxa</i>	Local	Sub-tropical	Good	Good	Seedlings	March to June	Processing purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
15	Bush	Gerna	<i>Carissa carandas</i>	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.
16	Woody Tree	Bill	<i>Aegle marmelos</i>	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.
17	Woody Tree	Shahtoot	<i>Morus alba</i>	Local, China	Sub-tropical	Good	Good	Cuttings	March to July	Table purposes, rearing Silkworms.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.

18	Soft Tree	Papita	<i>Carica papaya</i>	Local Red Lady, Pusa Nana	Sub-tropical	Good	Good	Seedlings and hybrids	March to Nov.	Table purposes.	Record vailable in old books.	Own uses and sold in market	Popular in local population.
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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	Bhang	<i>Cannabis sativa</i>	wild	Subtropical	Natural	Available	Available	Cough	Leaves		Own use/Market	Self observed
Herbs	Phagora	<i>Ficus palmata</i>	wild	Subtropical	Natural	Available	Available	Medicinal usage	Fruits		Own use/Market	Self observed
Herbs	Timbru	<i>Zanthoxylum alatum</i>	wild	Subtropical	Natural	Available	Available	Medicinal usage	Oil		Own use/Market	Self observed

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/ Knowledge Holder
Ornamental Tree	Kachnar	Bauhinia variegata		Nurseries/Forest	Non commercial	Ornamental/Landscaping	Used for Dysentery, Diarrhoea	Pink flowers in Summer	Floriculturists/ Nurserymen /Gardeners
Bushes/	Kaner	Thevetia peruviana		Nurseries	Non commercial	Ornamental/Landscaping	Fevers	Flower most of the year	Floriculturists/ Nurserymen /Gardeners
Bushes/	Bottle Brush	Callistemmon spp.		Nurseries	Non commercial	Ornamental/Landscaping	Theraputic uses	Foilage and flowers	Floriculturists/ Nurserymen /Gardeners
Herbs Seasonals	Guldopahar	Portulaca grandiflora		Nurseries	Non commercial	Ornamental/Landscaping	Antioxidant, antibacterial	Summer annual flower	Floriculturists/ Nurserymen /Gardeners
Pot Plants	Agave	Agave angustifolia		Nurseries	Non commercial	Ornamental/Landscaping	Traditional medicines	Succulent	Floriculturists/ Nurserymen /Gardeners
	China Rose	Hibiscus rosa-sinensis		Nurseries	Non commercial	Ornamental/Landscaping	Traditional medicines	Succulent	Floriculturists/ Nurserymen /Gardeners
	Gutta	<i>Tagetes</i>		Nurseries	Non commercial	Ornamental/Landscaping	Traditional medicines	Succulent	Floriculturists/ Nurserymen /Gardeners

Format 14: Timber Plants / Trees

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ home-garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
				Past	Present					
Tree	Chir	<i>Pinus roxburghii</i>	Subtropical	Available	Available	House Constt.	All Parts			Self Observed
Tree	Safeda	<i>Populous deltoidea</i>	Subtropical	Available	Available	House Constt.	All Parts			Self Observed
Tree	Toot	<i>Morus serrata</i>	Subtropical	Available	Available	House Constt.	All Parts			Self Observed
Tree	Shisham	<i>Dalbergia sissoo</i>	Subtropical	Available	Available	House Constt.	All Parts			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					
Sheep	Bhed	Ovis aries	Local	small size, rough coat	Flock rearing	Least concern	Least concern	mutton, wool, manure	Yes	Yes	Bones, skin and gutt	Locals and nomads
Sheep	Bhed	Ovis aries	Rambouillet cross	large size, fine wool	do	do	do	do	do	do	do	do
Goat	Bakri	Capra hirus	Local	small size, low body weight	Flock rearing	Least concern	Least concern	Chevon, hair, manure	do	do	do	do
Goat	do	do	Beetal	large size, high body weight	do	do	do	do	do	do	do	do
Goat	do	do	Kaghani	do	do	do	do	do	do	do	do	do

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					
Indian Major Carps	Catla	<i>Catla catla</i>	IMC	Catla is a fish with large and broad head, a large protruding lower jaw and upturned mouth. It has large, greyish scales on dorsal side and whitish on belly.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Indian Major Carps	Rohu	<i>Labeo rohita</i>	IMC	Herbivorous, its dorsal profile more convex than ventral, body with scales, head without scales, column to bottom feeder, mouth small and inferior with fringed lower lip. Cultured mostly in plain areas.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Indian Major Carps	Mrigal	<i>Cirrhinus mrigala</i>	IMC	Omnivorous, bilaterally symmetrical and streamlined, head and snout devoid of scales, mouth inferior, barbels absent, cultured mostly in plain areas.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Exotic Carps	Common Carp	<i>Cyprinus carpio</i>	Exotic Carp/ Scale Carp	Omnivorous, body laterally compressed two pair of barbels, dorsal fin long, protrudible mouth and lips are extended like a short tube for sucking up food, hardy in nature.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community

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	Chir	<i>Pinus roxburghii</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Probleme	Medicinal Use	Self observed
Tree	Khair	<i>Accacia catechu</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits		Medicinal Use	Self observed
Tree	Bour	<i>Ficus benghalensis</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Amli	<i>Phyllanthus emblica</i>	Tree	Sub -tropical	Available	Available	Own Use	wood			Self observed
Tree	Koakoa	<i>Flacourita indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Shrub	Garna	<i>Carissa spinarum</i>	Shrubs	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Sub -tropical	Available	Available	Own Use	fruits/wood	Used for Diabetes		Self observed
Tree	Khair	<i>Acacia catechu</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Krongal	<i>Cassia fistula</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Lucenia	<i>Leucaenia spp</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Phulai	<i>Acacia modesta</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Reetha	<i>Sapindus mukortossi</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits and wood			Self observed
Shrub	Santa	<i>Dodonaea viscosa</i>	Shurbs	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Talli	<i>Dalbergia sissoo</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Dhaman	<i>Grewia optiva</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Badh	<i>Ficus religiosa</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Behra	<i>Terminalia bellerica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Gandila	<i>Nerium oleander</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed

Tree	Gulmorh	<i>Delonix regia</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Draink	<i>Melia azadirach</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves/Wood			Self observed
Tree	Amb	<i>Mangifera indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Tunnu	<i>Toona ciliata</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Neem	<i>Azadirachta indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Lasura	<i>Cordia myxa</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Kassod	<i>Senna siamea</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Shrub	Brankd	<i>Justicea adhatoda</i>	Shrubs	Sub -tropical	Available	Available	Own Use	Leaves			Self observed
Tree	Imli	<i>Tamarandis indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Kenye/Kenyo		Tree	Sub -tropical	Available	Available	Own Use	Wood			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	Khair	<i>Acacia catechu</i>	Wild	Social and Economic	Available
2	Kikkar	<i>Acacia nilotia</i>	Wild	Social and Economic	Available
3	Parkanda	<i>Achyranthes aspera</i>	Wild	Social and Economic	Available
4	Nad	<i>Arundo donax</i>	Wild	Social and Economic	Available
5	Chaleri Saag	<i>Amaranthus viridis</i>	Wild	Social and Economic	Available
6	Neem	<i>Azadirachta indica</i>	Wild	Social and Economic	Available
7	bamboo	<i>Bambusa bamboos</i>	Wild	Social and Economic	Available
8		<i>Bambusa nutans</i>	Wild	Social and Economic	Available
9	Simbal	<i>Bombax ceiba</i>	Wild	Social and Economic	Available
10	Jungli toot	<i>Broussonetia papyrifera</i>	Wild	Social and Economic	Available
11	Plaah	<i>Butea monosperma</i>	Wild	Social and Economic	Available
12	Bhang	<i>Cannabis sativa</i>	Wild	Social and Economic	Available
13	Kringal	<i>Cassia fistula</i>	Wild	Social and Economic	Available
14	amer Bel	<i>Cuscuta reflexa</i>	Wild	Social and Economic	Available
15		<i>Cynoglossum lanceolatum</i>	Wild	Social and Economic	Available
16	Barna	<i>Cyperus rotundus</i>	Wild	Social and Economic	Available
17	Tali	<i>Dalbergia sissoo</i>	Wild	Social and Economic	Available
18	Dhatura	<i>Datura stramonium</i>	Wild	Social and Economic	Available
19	Baans	<i>Dendrocalmus</i>	Wild	Social and Economic	Available
20	Santha	<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
21	safeda	<i>Ecalyptus teretcornis</i>	Wild	Social and Economic	Available

22	Bohr	<i>Ficus benghalensis</i>	Wild	Social and Economic	Available
23	Peepal	<i>Ficus religiosa</i>	Wild	Social and Economic	Available
24	Kakoa	<i>Flacourtia indica</i>	Wild	Social and Economic	Available
25	Lamb Grass	<i>Flemingia chappar</i>	Wild	Social and Economic	Available
26	Dhaman	<i>Grewia optiva</i>	Wild	Social and Economic	Available
27	Chameli	<i>jasminum officinale</i>	Wild	Social and Economic	Available
28	Brenker	<i>Justicia adhatoda</i>	Wild	Social and Economic	Available
29	panjphuli	<i>Lantana camera</i>	Wild	Social and Economic	Available
30	Aam	<i>Magnifera indica</i>	Wild	Social and Economic	Available
31	drehnk	<i>Melia azedarach</i>	Wild	Social and Economic	Available
32	Toot	<i>Morus alba</i>	Wild	Social and Economic	Available
33	Drenkri	<i>Murraya koenigiffi</i>	Wild	Social and Economic	Available
34	gandila	<i>Nerium oleander</i>	Wild	Social and Economic	Available
35	Congress grass	<i>Parthenium hysterophorus</i>	Wild	Social and Economic	Available
36	Amla	<i>Phyllanthus emblica</i>	Wild	Social and Economic	Available
37	Chir	<i>Pinus roxburghii</i>	Wild	Social and Economic	Available
38	Jojra	<i>Puplia lappacea</i>	Wild	Social and Economic	Available
39		<i>Reinwarddtia indica</i>	Wild	Social and Economic	Available
40		<i>Ricinus hastatus</i>	Wild	Social and Economic	Available
41		<i>Saccharum bengalense</i>	Wild	Social and Economic	Available
42		<i>Saccharum spontaneum</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				
Mashli	Schizothorax richardsonii		Soft Water	Available	Available	Food				Self observed
Daddu	Bufo bufo		Water	Available	Available					Self observed
Juke			Water	Available	Available					Self observed
Snake	Serpentes suppes		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	Wild	Chlorophyta	Minerals and vitamins	
2	Barian	Wild	Acorus calamus	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					
Tree	Bhang	<i>Cannabis sativa</i>	wild	Subtropical	Available	Available	Cough	Leaves			Self observed
Tree	Timbru	<i>Zanthoxylum alatum</i>	wild	Subtropical	Available	Available	medicinal	All parts			Self observed
Tree	Pudina	<i>Mantha arvenses</i>	wild	Subtropical	Available	Available	Spices	Leaves			Self observed
Tree	Gucchi	<i>Morchella esulentum</i>	wild	Subtropical	Available	Available	Medicinal usage	All parts			Self observed
Tree	Phagora	<i>Ficus palmata</i>	wild	Subtropical	Available	Available	Medicinal usage	Fruits			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					
Gucchi	<i>Morchella esulenta</i>	Mushroom	wild	Available	Available	Veg.	All parts			Self observed
Jungli Pudina	<i>Mantha arvenses</i>	Pudina	wild	Available	Available	Spices	Leaves			Self observed

Format 24: Ornamental Plants

1	2	3	4	5	6		7	8	9	10
Scientific Name	Local Name	Variety	Habitat/Landscape	Source of plant/seed	Local Status		Uses	Associated TK	Other details	Community/ Know. Holder
					Past	Present				
<i>Rosa acicularis</i>	Wild Rose	Wild	Sub Tropical	Natural	Avaiable	Available	Non Commerical			Self-observed

Format 25: Fumigate / Chewing Plants

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Scientific Name	Local Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
Herbs	Cannabis sativa	Bhang	wild	Subtropical	Available	Available	Cough	Leaves			Self observed
Shrubs	Zanthoxylum alatum	Timbru	wild	Subtropical	Available	Available	Medicinal usage	All parts			Self observed
Trees	Acacia catechu	Khair	wild	Subtropical	Available	Available	Medicinal usage	All parts			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>	Subtropical	Available	Available	Timber	House Constt.		Self Observed
Safeda	<i>Populous deltoidea</i>	Subtropical	Available	Available	Timber	House Constt.		Self Observed
Toot	<i>Morus serrata</i>	Subtropical	Available	Available	Timber	Furniture		Self Observed
Shisham	<i>Dalbergia sissoo</i>	Subtropical	Available	Available	Timber	House Constt.		Self Observed

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					
Mmammels	Chitra	Panther pardus	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Bander	Macaca fascicularis	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Jungle bili	Felis chaus	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Fox	Canis latrans	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Navla	Herpestes edwrdsii	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Mmammels	Chidya	Passer domesticus	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Birds	kabutar	columbidae	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Birds	Tota	Melopistta undulatus	Sub Tropical		All Season	Available	Available		Banened		Self -observed	
Reptile	Snake	serpentes	Sub Tropical		All Season (except wintter)	Available	Available		Banened		Self -observed	
Insect	Mosquito	Culicidae spp	Sub Tropical		Summer season	Available	Available		Banened		Self -observed	
Insect	Honey bee	Anthophila	Sub Tropical		All Season (except wintter)	Available	Available		Banened		Self -observed	

Format 29: FLORA URBAN BIODIVERSITY

1	2	3	4		5	6	7
S.No.	Local Name	Scientific Name	Type of Plant	Habitat	Flowering Season	Rare/Common	Remarks (Rare / Common etc.)
1.	Gutta	Tagetes patula	Herbs Seasonals	Terrestrial/Subtropical	Grows round the year	Common	
2.	Gulab	Rosa spp	Herbs Seasonals	Terrestrial/Subtropical	Perennial flower	Common	

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.)
1	Cow.	Bos indicus	Mammal	Terrestrial	Common
2	Jersey.	Bos taurus	Mammal	Terrestrial	Common
3	Buffalo.	Bubalus bubalis	Mammal	Terrestrial	Common
4	Poultry Birds.	Gallus domesticus	Mammal	Terrestrial/Arial	Common

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

Format 31: Any other information of local importance		
1	2	3
Sr. No.	Information of local importance	Remarks
1		

End of Part II