

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Mahakund

Taluk/Tehsil: Gool

District: Ramban

State/UT: Jammu And Kashmir

Geographical Area of the Panchayat Samiti:

Population Of the Panchayat samiti... Total 2760

Male= 1730 Female = 1030

Habitat and Topography: Hilly

Climate (Rainfall, Temperature and other weather patterns):

Land Use (Nine fold classification available with village records):

Date, Month and Year of PBR preparation: 27-11-2019

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: Ghulam Mohi -ud-Din

Age: 57 years

Gender: Male

Address : R/o Mahakund

Area of specialization:

2) Name :Zareena Begum

Age: 35 years

Gender: Female

Address : R/o Mahakund

Area of specialization:

3)Name : Razia Begum

Age: 36 years

Gender: Female

Address : R/o Mahakund

Area of specialization:

4)Name: Keema

Age: 50 years

Gender: Male

Address : R/o Mahakund

Area of specialization:

5)Name: Abdul Rashid

Age : 73 years

Gender: Male

Address : R/o Mahakund

Area of specialization:

6)Name: Mohd. Mushtaq

Age: 42 years

Gender: Male

Address : R/o Mahakund

Area of specialization:

7)Name: Feroz Abdullah

Age: 32 years

Gender :Male

Address : R/o Dashan

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 : Nil

Age:

GENDER:

Address:

Area of specialization:

Location from which the person accesses biological material: local/non local

Perception of the practitioner on the resource status:less local resources available

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 : Abdul Rashid Bhat

Age: 75 years

Gender: Male

Address: R/o Mahakund

Area of specialization: Agriculture

2) Name :

Age: 50

Gender:

Address:

Area of specialization:

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

Annexure 4

Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR

1) Contact Person:

Name and Address:

2) Contact Person:

Name and Address:

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

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

Annexure 5

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

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

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	Approx. area shown	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
				/ Habitat		Past	Present							
Rice	<i>Oryza sativa</i>	Chawal	Desi	Lowland valleys		Plenty	Plenty	Tall variety High yield Resistant to drought, flood, pest & diseases	Spring	Food Fodder Roofing Fuel	Provides more energy	Suitable for “Valicha” cultivation	Seed	Farmers/ Department
Maize	<i>Zea mays</i>	Makki	Desi	Lowland valleys	241.65	Plenty	Plenty			Food Fodder	Provides more energy	-	Seed	Farmers/ Department
Rajma	<i>Phaseolus vulgaris</i>	Rajmash	Desi	Lowland valleys	7 Ha	Plenty	Plenty		May - June	Food	Provides more energy		Seed	Community
Moong	<i>Vigna radiata</i>	Moong	Desi	Lowland valleys		Rare	Rare		March - April	Food	Provides more energy		Seed	Community
Peas	<i>Pisum Sativum</i>	Matar	Desi	Lowland valleys		Rare	Normal		Oct-March	Food	Provides more energy		Seed	Community
Wheat	<i>Triticum aestivum</i>	Kank	Desi	Lowland valleys	25	Plenty	Plenty		Winter	Food Fodder	Provides more energy	-	Seed	Community

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

Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Apple	<i>Malus domestica</i>	Saib	Red Delicious, Golden Delicious etc	Mid hills upto High hills	Rare	Plenty	Govt. Nursery/ Private Registered Nry	Rainy	Provide Nutrient and Energy	Fresh fruit, Juice, Jam etc	Consumed in local Market Mandi/Jammu	Farmer/ Department of Horticulture
Pear	<i>Pyrus communis</i>	Bagu Gosha, Nakh Nashpati	Red Bartlett, Punjab Beauty, Pathar Nakh, Star Krimson	Mid hills to High hills			Govt. Nursery/ Private Registered Nry	Rainy		Fresh Fruit		Farmer/ Department of Horticulture
Peach	<i>Prunus persica</i>	Asroo	FLA 16/13 July Alberta, Quetta, Florida sum, Florida Prenice	Lower hills upto High hills			Govt. Nursery/ Private Registered Nry	Summer		Fresh Fruit		Farmer/ Department of Horticulture
Apricot	<i>Prunus armeniaca</i>	Khobani Sarri	Bebco, Harkat	Lower hills upto High hills			Govt. Nursery/ Private Registered Nry	Summer		Fresh Fruit		Farmer/ Department of Horticulture
Plum	<i>Prunus saliciana</i>	Aloo Bukhara	Santa Rosa, Kala Amritsari, Alubukhara, Aloochoa	Mid hills to High hills			Govt. Nursery/ Private Registered Nry	Summer		Fresh fruit,		Farmer/ Department of Horticulture
Walnut	<i>Juglans regia</i>	Akhroot	Burzal, Kagzi, Local Selections	High hills			Govt. Nursery/ Private Registered Nry	Rainy		Dry Fruit		Farmer/ Department of Horticulture
Pomegranate	<i>Punica aratanum</i>	Anardana, Daroo	Anardana, Kandhari, Ganesh	Lower hills upto Mid hills			Govt. Nursery/ Private Registered Nry	Rainy		Fresh Fruit		Farmer/ Department of Horticulture
Fig	<i>Ficus carica</i>	Phogara	Local	Mid hills			Govt. Nursery/ Private Registered Nry	Rainy		Fresh Fruit		Farmer/ Department of Horticulture
Quince	<i>Cydonia oblonga</i>	Local	Beehi	Mountainous and sloppy				Available		Local Preserved		May- June
Malook	<i>Diospyrus lotus</i>	Tree	Temperate/Scattered tree found in village area	Available	Availab le	Commercial use	Fruit	Edible and rich source of nutrients	Cultural use	Self Observed		

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

Format 3: Fodder Crops / Species

1	2	3	4	5	6	5		6	7	8	9	10	11
Crop	Scientific Name	Local Name	variety	Landscape/Habitat	Apporax area (in Ha.)	Local Status		source of Seeds/Plants	Associated TK	Part Used	Other Details	Community/ Knowledge	
						Past	Present						
Oats	<i>Avinasativa</i>	javi	Kent	Sub-tropical, Semi-tropical & Temperate	2 Ha.	plenty, in wild habitat	Plenty		Rabi	Grain/seed used for favour leave stem for fodder	Nutritious and palatable fodder	Suitable for fodder	Local Seed Deptt. Seed
Sorghum	<i>Sorghum bicolor</i>	Charri		Sub-tropical, Semi-tropical & Temperate	3Ha.	Local varieities	improved plenty varities		Kharief	leaves and stem	Rich source of Energy Nutritious fodder	Green Dry Fodder	Local Seed Deptt. Seed
Onion	<i>Allium cepa</i>	piyaz	Pussa red ,N53 and local varieties	Sub-tropical, Semi-tropical & Temperate	1 Ha,	Plenty	Plenty	Disease resistant, spicy in flavour	Rabi	used as spice			Local Seed Deptt. Seed
Garlic	<i>Allium sativum</i>	Thom	Yamuna, German white gatha thorn	Sub-tropical, Semi-tropical & Temperate	1 Ha,	Plenty	Plenty	Disease resistant, spicy in flavour	Rabi	used as spice	Medicinal Value		Local Seed Deptt. Seed
willow	<i>salix circus</i>	veer	Local	Sub-tropical, Semi-tropical & Temperate		Plenty	Plenty			Fodder		Suitable for fodder	Local
Moru	<i>curcus dilitata</i>	Mor	Local	Sub-tropical, Semi-tropical & Temperate		Rare	Rare			Fodder/ Firewood		Suitable for fodder	Local
banj	<i>Quercus incana</i>	Banj	Local	Sub-tropical, Semi-tropical & Temperate		Plenty	Plenty			Fodder/ Firewood		Suitable for fodder	Local

Kiker	<i>Acacia nilotica</i>	Kiker	Local	Sub-tropical, Semi-tropical & Temperate		Rare	Rare			Fodder/ Firewood		Suitable for fodder	Local
Toot	<i>Morus alba</i>	Toot	Local	Sub-tropical, Semi-tropical & Temperate		Plenty	Rare			Fodder		Suitable for fodder	Local

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

FORMAT - 4 : WEEDS

Crop	Scientific Name	Local Name	Affected Crops	Impact	Landscape/Habitat	Local Status		Uses if any	Management Option	Associated TK	Other Details	Community/Knowledge Holder
						Past	Present					
1	2	3	4	5	6	7	8	9	10	11	12	13
Maize	<i>Cynodon dactylon</i>	Bamunda Grass	Maize	1. Grow faster than native plants and successfully compete for available nutrients, water, space and sunlight 2. Reduce natural diversity 3.Reduce crop productivity 4.Cause Human Health Problems such as Respiratory skin irritation.	Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Nil	Nil	No. TK with knowledge of weed
	<i>Commelina benghalensis</i>	Kaun Makki	Maize		Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Nil	Nil	No. TK with knowledge of weed
	<i>Cyprus rotundus</i>	Dila	Maize		Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Nil	Nil	No. TK with knowledge of weed
	<i>Digera arvensis</i>	Tandla	Maize		Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Nil	Nil	No. TK with knowledge of weed
	<i>Acrachne racemosa</i>	makra	Maize		Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Nil	Nil	No. TK with knowledge of weed
	<i>Chenopodium album</i>	Battua	Maize		Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers	Used as vegetable	Manual control/ chemical management through herbisides	Nil	Nil	No. TK with knowledge of weed

Wheat	<i>Chenopodium album</i>	Bathua	Wheat	1. Grow faster than native plants and successfully compete for available nutrients, water, space and sunlight 2. Reduce natural diversity 3. Reduce crop productivity 4. Cause Human Health Problems such as Respiratory skin irritation.	Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers	Used as vegetable	Manual control/ chemical management through herbisides	Rich source of protein vitamin A, Calcium , Potassium & Phosphorous	local	No. TK with knowledge of weed
	<i>Avena Fatua</i>	Wild Oats	Wheat		Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Source for high quality	local	No. TK with knowledge of weed
	<i>Medicago denticulata</i>	Maina	Wheat		Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Manual control/ chemical management through herbisides	local	No. TK with knowledge of weed
	<i>Phalaris Minor</i>	Gully Danda	Wheat		Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Source for high quality	local	No. TK with knowledge of weed
All Crop	<i>Parthenimum hysterophorous</i>	Gajjar Ghass (cangress grass)	all crop	Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Abnoxious weed difficult to control	exotic	No. TK with knowledge of weed	
	<i>Vicia hirsua</i>	Chingeri Sag	all crop	Hilly and Temperate & intermiadate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbisides	Nil	Nil	No. TK with knowledge of weed	
	<i>Rumex maritimus</i>	Jangali Palak	all crop	(No weed management	Weed mgmt. on scientific lines being followed by farmers	Used as vegetable	Manual control/ chemical management through herbisides	Nil	Nil	No. TK with knowledge of weed	

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
Wheat	Field Rats	<i>Bendicota bangalensis, Torera indica, Millardia meltada</i>	Chuha	All Fields	All Season	1. Traps and chemicals	Nil	Nil	Nil
Maize	Cut Worm	<i>Agroris sp.</i>	Toka	maize	April to May	1. Chemical management through insecticide (Phorate)	Nil	Nil	Nil
	Stem Borer	<i>Chilo Partellus</i>	Padi	maize	June to July	1. Ploughing of field after harvest and destroy stubbles & weeds 2. Distruction of infected plant and removal of dead herts 3. Chemicals management through insectisides	Nil	Nil	Nil
	Cob Worm	<i>Helicoverapa armigera</i>		maize	June to July	1. Deep summer ploughnig 2. Installation of pheromone traps for monitoring 3. Chemicals management through insecticides	Nil	Nil	Nil
	Blister beetal	<i>Mylabris pustulata</i>	Khundi	maize	June to August	1. Avoid Excessive use of nitogenous fertilizers 2. Manual collection or collection with insect net and killing of adults in kerosenized water 4. Need based spray of carbrybl and fenthione	Nil	Nil	Nil
Mustard	Aphid	<i>Lipasphis erisyimi</i>		mustard	Mustard	1. Avoid late sowing a excessive use of nitrogen fertilizers crop should be sown before 20th oct. 2. Need base spray of dimethoate 30 EC or Methyl Demetone 25 EC	Nil	Nil	Nil

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	-	-	-	-	-	-	-	-

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
2760	FARMERS	LABOURS	Agriculture land & Forest land	NIL	NIL	NIL	General			520
ST 30%	Agriculture, Labourers and major occupation is farming						ST			
OC 40%							OBC			
OBC 30%										

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
Serial No.	PBR ID	Major Landscapes			Sub - Landscapes	Features 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											
1	LRBN001	Cultivated land			Cultivated land	50%	Agriculture Land is privately owned.	Plant. Some wild plant	Insect	Nil	Unknown				Low income communitites
2	LRBN002	Non-Cultivated land			Non-Cultivated land	35%	Govt/Private	Plant. Some wild plant	Insect	Available for farming cattle rearing. Rat catching	Unknown				Low income communitites
3	LRBN003	Irregated Land			Irregated Land	10%	Government	Aquatic plants	Insect	Unknown	Unknown				Low income communitites
4	LRBN004	Forest Land			Forest Land	15%	Govt/Private	Wild plantation	Insect and Amphibian	Unknown	Unknown				Low income communitites
5	LRBN005	Non-Irregated Land			Non-Irregated Land	15%	Government	Wild Plant	Insect and Amphibian	Unknown	Unknown				Low income communitites
6	LRBN006	Grazing land			Grazing land	55%	Private	Plant. Some wild plant	Insect	Unknown	Unknown				Low income communitites

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

Beat Guard

Block officer

Range officer

Format 9: Waterscape

		1	2	3	4	5	6	7	8	9	10	11	12	13
S.No.	PBR ID	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
1	WRBN003	Nalas			Panchayat and Govt Dept.	All crops including fruits, vegetables, flowers	Frog, Tadpoles, Fishes Water snake	Irrigation	Farmer	Check Dams	For irrigation and drinking of domestic animal	Unknown	Unknown	Local Villagers
2	20 Nos.	Ponds	Harvesting		Panchayat and Govt Dept.	Nil	Frog	Drinking water for animals	Farmer	Nil	For irrigation and drinking of domestic animal	Unknown	Unknown	Local Villagers
3	01 Nos.	Lakes			Unknown	Flowers	Frog, Tadpoles, Fishes Water snake	Drinking water for animals & for fishing	Farmer	Nil	For irrigation and drinking of domestic animal	Unknown	Unknown	Local Villagers

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

Beat Guard

Block officer

Range officer

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	Red	Clay soil holds a lot of water but it cannot hold much air. It has very good water holding capacity.	1. Amend with organic material. 2. Grow a crop cover. 3. Avoid compaction. 4. Use adequate quantity of Farm Yard Manures.	Vegetables			
Loamy	Brown	It contains humus. It holds sufficient water & air.		Wheat, vegetables, sugarcane, Paddy, pulses etc			
Red Soil	Red	Red soil can hold lot of water but it cannot hold much air. Water drains very slowly in it.		Paddy Maize, wheat, vegetables etc			

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	Malusdomestica	<i>Saib</i>	Red Delicious, Golden Delicious etc	Mid hills upto High hills	-	-	Govt. Nursery/ Private Registered Nry	Rainy	-	Fresh fruit, Juice, Jam etc	Consumed in local Market Mandi/Jammu	Farmer/ Department of Horticulture
Pear	Pyruscommunis	<i>BaguGosha, Nakh, Nashpati</i>	Red Bartlett, Punjab Beauty, PatharNakh, Star Krimson	Mid hills to High hills	-	-	Do	Rainy	-	Fresh Fruit		Farmer/ Department of Horticulture
Peach	Prunuspersica	<i>Aaroo</i>	FLA 16/13 July Alberta, Quetta, Florda sum, FlordaPrenice	Lower hills upto High hills	-	-	Do	Summer	-	Fresh Fruit		Farmer/ Department of Horticulture
Apricot	Prunusarmeniaca	<i>Khobani, Sarri</i>	Bebco, Harkat	Lower hills upto High hills	-	-	Do	Summer	-	Fresh Fruit		Farmer/ Department of Horticulture
Plum	Prunussaliciana	<i>Aloo Bukhara</i>	Santa Rosa, Kala Amritsari, Alubukhara, Aloocho	Mid hills to High hills			Govt. Nursery/ Private Registered Nry	Summer	-	Fresh fruit,		Farmer/ Department of Horticulture

Walnut	Juglansrejia	<i>Akhroot</i>	Burzal, Kagzi, Local Selections	High hills	-	-	Govt. Nursery/ Private Registered Nry	Rainy	-	Dry Fruit		Farmer/ Department of Horticulture
Quince	Cydoniaoblonga	<i>Bahie</i>	Iraniam, Kashmiri Mumm	High hills	-	-	Govt. Nursery/ Private Registered Nry	Rainy	-	Dried fruits/ seeds		Farmer/ Department of Horticulture
Persimmom	Diospyrus kaki	<i>Amlook</i>	Fuyu, Jiro, Hachia	Mid hills	-	-	Govt. Nurseries	Rainy	-	Fresh/Dry Fruit		Farmer/ Department of Horticulture
Lime	Citrus aurantifolia	<i>Nimboo</i>	Kagzi, Eureka lime, Baramasi	Lower hills upto Mid hills	-	-	Govt. Nursery/ Private Registered Nry	Around the year	-	Fresh Fruit	-	Farmer/ Department of Horticulture
Fig	Ficuscarica		Local	Mid hills	-	-	Govt. Nursery/ Private Registered Nry	Rainy	-	Fresh Fruit		Farmer/ Department of Horticulture

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	Community/ Know.
						Past	Present					
Herb	Bhang	<i>Cannabis sativa</i>	Local	cosmopolitan/ Temperate	seeds	abundant	abundant	Hempseed oil, Hallucinogenic, sedative, Analgesic, Anti-inflammatory, piles	All parts of the plant	Psychoactive		Generally, held by community
Herb	Banafsha	<i>Viola odorata</i>	Local	cosmopolitan/ Temperate	seeds and runners	abundant	abundant	Cough, Cold, Bronchitis, headache,	flower	cough , Cold and Fever		Generally, held by community

Format 13: Ornamental Plants/ Trees/Climbers etc.

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of plant/seeds	Commercial/ non-commercial	Uses	Associated TK	Other details	Community/ Know. holder
Shrub	Spirea	<i>Spiraea sorbifolia</i>	local		Non-Commercial		N.A	N.A	Generally, held by community
Shrub	Jasmine	<i>Jasminum humile</i>	local		Non-Commercial		N.A	N.A	Generally, held by community
Shrub	Anardana	<i>Punica granatum</i>	local		Non-Commercial		N.A	N.A	Generally, held by community
Tree	veer	<i>Salix alba</i>	local		Non-Commercial		N.A	N.A	Generally, held by community
Tree	Horse chestnut	<i>Aesculus indicus</i>	local		Non-Commercial				
Tree	Chinar	<i>Platanus orientalis</i>	local		Non-Commercial				
Tree		<i>Rosa webbiana</i>	local		Non-Commercial				
Tree	Elm	<i>Ulmas wallichiana</i>	local		Commercial				

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					
Trees	Akhroot	<i>Juglans regia</i>	Temperate	Abundant	Abundant	Wild/Home garden	Commercial	bark is used as toothache, fruits	Nil	Generally, held by community
Trees	Tul	<i>Morus nigra</i>	Temperate	Abundant	Abundant	Wild/ home-garden	Commercial	Sericulture	Nil	Generally, held by community
Trees	Kail	<i>Pinus wallichiana</i>	Temperate	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Trees	Kikur	<i>Robina pseudoacacia</i>	Temperate	Abundant	Abundant	Wild	Commercial	Nil	Nil	Generally, held by community
Trees	Champ	<i>Alnus nitida</i>	Temperate	rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Trees	Ban	<i>Quercus incana</i>	Temperate	Rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Trees	Mohru	<i>Quercus dilitata</i>	Temperate	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Trees	Deodar	<i>Cedrus deodara</i>	Temperate	abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Trees	Chirpine	<i>Pinus roxburgii</i>	Sub-tropical	Rare	Rare	Wild	Resin/ Timber	Nil	Nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Temperate	Rare	Rare	Wild	Timber	nil	nil	Generally, held by community

Beat Guard

Block officer

Range officer

Form 15: Domesticated Animals

Animal Types	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	Bhead	<i>Ovisaries</i>	Local	Small size Rough coat	Flock rearing	Plenty	Rare	Mutton, Wool and manure	Yes	Yes	Mutton, Wool, manure, Bones hides and gutt	Local and nomads
Sheep	Bhead	<i>Ovisaries</i>	Rambouillet cross	Large size fine wool	Flock rearing	Rare	Plenty	Mutton, Wool and manure	Yes	Yes	Mutton, Wool, manure, Bones hides and gutt	Local and nomads
Goat	Bakri	<i>Caprahircus</i>	Local	Small size, Low body weight	Flock rearing	Plenty	Rare	Mutton, Wool and manure	Yes	Yes	Mutton, Wool, manure, Bones hides and gutt	Local and nomads
Goat	Bakri	<i>Caprahircus</i>	Kaghani (Bakerwali)	Large size, high body weight	Flock rearing	Rare	Plenty	Mutton, Wool and manure	Yes	Yes	Mutton, Wool, manure, Bones hides and gutt	Local and nomads
Goat	Bakri	<i>Caprahircus</i>	Beetal	Large size, high body weight	Flock rearing	Rare	Rare	Mutton, Wool and manure	Yes	Yes	Mutton, Wool, manure, Bones hides and gutt	Local and nomads
Cow	Gaay	<i>Bosindicus</i>	Desi	Large size, high body weight	Flock rearing	Plenty	Plenty	Milk and manure	No	Yes	For Milk & manure	Local and nomads
Buffalo	Bhains	<i>Bubblous bubalis</i>	Desi	Large size, high body weight	Flock rearing	Plenty	Plenty	Milk and manure	No	Yes	For Milk & manure	Local and nomads

Horse	Ghorda	<i>Equscabalus</i>	Local	Large size, high body weight	Flock rearing	Plenty	Plenty	Milk and manure	No	Yes	For carrying load	Local and nomads
Dog	Kutta	<i>Cannis lupus</i>	Local	Small in size	Flock rearing	Plenty	Plenty	-	No	-	-	Local

Format 16: Culture Fisheries

Fish Type	Local Name	Scientific Name	Variety	Culture/Capture	Features	Waterscape	Local Status	Commercial rearing	Other details	Community Kn. holder
Exotic Carps	Common Carp	<i>Cyprinus carpio</i>		Culture	-	-	Available	-	-	Yes
Rainbow Trout	Trout	<i>Oncorhynchus mykiss/Salmo gairdneri</i>		Culture	-	-	-	-		yes

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					
Herb	Bhang	<i>Cannabis sativa</i>		Temprate	Abundant	Abundant	-	-	-	nil	Generally, held by community
Tree	Deodar	<i>Cedrus deodar</i>		Temprate	Abundant	Abundant	Own Use	whole plant		Nil	Generally held by the community
Trees	Akhroot	<i>Juglans regia</i>		Sub-tropical/Temprate	Rare	Rare	-	-	-	nil	Generally, held by community
Trees	Tul	<i>Morus nigra</i>		Sub-tropical	Rare	Rare	-	-	-	nil	Generally, held by community
Trees	Kail	<i>Pinus Wallichiana</i>		Temprate	Abundent	Abundent	-	-	-	nil	Generally, held by community
Trees	Kikur	<i>Robina pseudoacacia</i>		Sub-tropical	Abundent	Abundent	-	-	-	nil	Generally, held by community
Trees	Champ	<i>Alnus nitida</i>		Sub-tropical/ Temprate	Rare	Rare	-	-	-	nil	Generally, held by community
Trees	banj	<i>Quercus incana</i>		Temprate	Rare	Rare	-	-	-	nil	Generally, held by community
Trees	Mohru	<i>Quercus dilitata</i>		Temprate	Rare	Rare	-	-	-	nil	Generally, held by community

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				
Duck weed	<i>Lemna</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Wateroneal	<i>Wolffia</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
	<i>Azolla</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Chochal	<i>Ranunculus aquaticus</i>	local		Streams,springs & ponds	Abundant	rare	N.A	N.A	N.A	Unknown
	<i>Arum arrow</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
	<i>Hydrilla</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Shaell	<i>Spirogyra</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
	<i>Chara</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
	<i>Zygnema</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
	<i>Nostoc</i>	local		Streams,springs & ponds	Abundant	Abundant	fertilizer	Fertilizer	N.A	Unknown
	<i>Chlamydomonas</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Himalayan toad	<i>Duttaphrynus himalayanus</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Common skittering frog	<i>Euphlyctiscyanophlyctis</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown

Indian Bull frog	<i>Hoplobatrachustigerinus</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Himalayan Paa frog	<i>Nanoranavicina</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Small Paa frog	<i>Nanoranaminica</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Common Frog	<i>Rana tigrana</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Desi Alma	<i>Schizothorax sps</i>	local		Streams,springs & ponds	Abundant	Abundant	Food	N.A	N.A	Unknown
Rainbow Trout	Oncorhynchus mykiss/ Salmo gairdneri	local		Streams,springs & ponds	Abundant	Abundant	Food	N.A	N.A	Unknown
Trout	Oncorhynchus mykiss	local		Streams,springs & ponds	Abundant	Abundant	Food	N.A	N.A	Unknown
Common Carp	Cyprinus carpio	local		Streams,springs & ponds	Abundant	Abundant	Food	N.A	N.A	Unknown
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	Duckweed	<i>Lemna minor</i>	local	Not unknown	Unknown
2	Rootless duckweed	<i>Wolffia arrhiza</i>	local	Not unknown	Unknown
3		<i>Azolla</i>	local	Not unknown	Unknown
4	Water crowfoot	<i>Ranunculus aquaticus</i>	local	Not unknown	Unknown
5	Arum arrow	<i>Peltandra virginia</i>	local	Not unknown	Unknown
6	Water thyme	<i>Hydrilla</i>	local	Not unknown	Unknown
7	Nag babbaer	<i>Nasturtium</i>	local	Not unknown	Unknown
8	Shaell	<i>Spirogyra</i>	local	Not unknown	Unknown
9		<i>Chara</i>	local	Not unknown	Unknown
10		<i>Zygnema</i>	local	Not unknown	Unknown
11		<i>Nostoc</i>	local	Not unknown	Unknown

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
Wild Strawberry	<i>Fragaria nubicola</i>	<i>Fragaria ananassa</i>	Scattered in forest	Rare	Fruit	Fruit	Fruit		Generally, held by community
Foxtail millet	<i>Setaria viridis</i>	<i>Setaria italica</i>	Scattered in forest	Abundant	Fodder	Leaf	Fodder		Generally, held by community
False barley	<i>Hordeum murinum</i>	<i>Hordeum vulgare</i>	Scattered in forest	Abundant	Fodder	Leaf	Fodder		Generally, held by community
Wheat grass	<i>Agropyron sps</i>	<i>Triticum sps</i>	Scattered in forest	Abundant	Fodder	Leaf	Fodder		Generally, held by community
Yellow Vetchling	<i>Lathyrus aphaca</i>	<i>Lathyrusodorata</i>	Scattered in forest	Abundant	Fodder	Leaf	Fodder		Generally, held by community
Wild Oat	<i>Avene fatua</i>	<i>Avene sativa</i>	Scattered in forest	Abundant	Fodder	Leaf	Fodder		Generally, held by community
Wild Soyabean	<i>Glycine soja</i>	<i>Glycine max</i>	Scattered in forest	Abundant	pod	Leaf	pod		Generally, held by community
Tanji	<i>Pyrus pashia</i>	<i>Pyrus communis</i>	Scattered in forest	Abundant	fruit	Leaf	fruit		Generally, held by community
Sochal	<i>Malva sylvestris</i>	<i>Malva sylvestris L.sterile</i>	Scattered in forest	Abundant	vegetable	Leaf	vegetable		Generally, held by community
Wan Zeur	<i>Carum bulbocastanum</i>	<i>Cuminum cyminum</i>	Scattered in forest	Abundant	Root vegetable	Root	Root vegetable		Generally, held by community
Anardana	<i>Punica granatum</i>	<i>Punica granatum var.ruby</i>	Scattered in forest	Abundant	Fruit	Leaf	chutney		Generally, held by community

Amlok	<i>Diospyros lotus</i>	<i>Diospyros kaki</i>	Scattered in forest	Abundant	Fruit	fruit	raw		Generally, held by community
Fagour	<i>Ficus palmata</i>	<i>Ficus cariaca</i>	Scattered in forest	Abundant	Fruit	figs	raw		Generally, held by community
Gutdool	<i>Plum hookeriana</i>	<i>Prunus domestica</i>	Scattered in forest	Abundant	Fruit	Fruit	Fruit		Generally, held by community
Wild Bird Cherry	<i>Prunus cornuta</i>	<i>Prunus avium</i>	Scattered in forest	Abundant	Fruit	Fruit	Fruit		Generally, held by community
Wild Apple	<i>Prunus malus</i>	<i>Prunus malus var. delicious</i>	Scattered in forest	Abundant	Fruit	Fruit	Fruit		Generally, held by community
Jungli Akhroot	<i>Juglans regia</i>	<i>Juglans regia var. orientis</i>	Scattered in forest	Abundant	Fruit	Fruit	Fruit		Generally, held by community

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
Spirea	<i>Spiraea sorbifolia</i>	local	Lesser Himalayas	Non-Commercial	N.A	N.A	
Jasmine	<i>Jasminum humile</i>	local	Lesser Himalayas	Non-Commercial	N.A	N.A	
Anardana	<i>Punica granatum</i>	local	Lesser Himalayas	Non-Commercial	N.A	N.A	
veer	<i>Salix alba</i>	local	Lesser Himalayas	Non-Commercial	N.A	N.A	
Horse chestnut	<i>Aesculus indicus</i>	local	Lesser Himalayas	Non-Commercial	N.A	N.A	
Chinar	<i>Platanus orientalis</i>	local	Lesser Himalayas	Non-Commercial	N.A	N.A	
	<i>Rosa webbiana</i>	local	Lesser Himalayas	Non-Commercial	N.A	N.A	
Elm	<i>Ulmus wallichiana</i>	local	Lesser Himalayas	Commercial	N.A	N.A	
trikana	<i>Acer cesium</i>	Local	Lesser Himalayas	Non-Commercial	N.A	N.A	

Beat Guard

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Format 25: Fumigate / Chewing Plants

1	2	3	4	5	6		7	8	9	10	11
S.No.	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
1	Veer	<i>Salix alba</i>	Local	Locally present	Abundant	abundant	use for teeth Cleaning/Medicinal Purpose	Twigs	-	-	Generally, held by community
2	Akhroot	<i>Juglanis regia</i>	Local	Locally present	Abundant	Abundant	use for teeth Cleaning/Medicinal Purpose	Twigs and bark	-	-	Generally, held by community
3	Banj	<i>Quercus incana</i>	Local	Locally present	Rare	Rare	use for teeth Cleaning	Twigs	-	-	Generally, held by community
4	Peach	<i>Prunus persica</i>	Local	Locally present	Abundant	Rare	use for teeth Cleaning	Twigs	-	-	Generally, held by community
5	Kiker	<i>Acacia Nilotica</i>	Local	Locally present	Abundant	Rare	use for teeth Cleaning	Twigs	-	-	Generally, held by community

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				
Akhroot	<i>Juglans regia</i>	Sub-tropical/ Temprate	Rare	Rare	fruits / Timber	-	-	Generally, held by community
Tul	<i>Morus nigra</i>	Sub-tropical	Rare	Rare	silk / fodder	-	-	Generally, held by community
Kail	<i>Pinus wallichiana</i>	Temperate	Abundant	Abundant	Timber	-	-	Generally, held by community
Kikur	<i>Robina pseudoacacia</i>	Sub-tropical	Abundant	Abundant	Fodder	-	-	Generally, held by community
Mohru	<i>Quercus dilitata</i>	Temperate	Rare	Rare	Fodder, firewood	-	-	Generally, held by community
Champ	<i>Alnus nitida</i>	Sub-tropical/ Temprate	Rare	Rare	Firewood	-	-	Generally, held by community
banj	<i>Quercus incana</i>	Temperate	Rare	Rare	Fodder	-	-	
Popular	<i>Populus ciliata</i>	Temperate	Rare	Rare	Fodder / Timber	-	-	Generally, held by community

Beat Guard

Block officer

Range officer

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	Himalayan Mouse Hare	<i>Ochotona roylei</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Jackal	<i>Canis aureus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Leopard	<i>Panthera pardus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Long Tailed Marmot	<i>Mamot caudate</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	The Indian Fox	<i>Vulpes bengalensis</i>	Forest	-	-	-	-	-			-	Generally, held by community
Mammals	The Indian Field Mouse	<i>Mus booduga</i>	Forest	-	-	-	-	-			-	Generally, held by community
Mammals	The Indian Procupine	<i>Hystrix indica</i>	Forest	-	-	-	-	-			-	Generally, held by community
Birds	Alpine accentor	<i>Prunella collaris</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Black-eared Kite	<i>Milvus migrans</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Black-naped green wood-pecker	<i>Picus canus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Blue rock pigeon	<i>Columba livia</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Blue whistling thrush	<i>Myophonus caeruleus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Brown dipper	<i>Cinclus pallasii</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Chukar partridge	<i>Alecturus chukar</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community

Birds	Common myna	<i>Acridotheres tristis</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Eagle owl	<i>Bubo bubo</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Griffon vulture	<i>Gyps fulvus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Himalayan Griffon Vulture	<i>Gyps himalayensis</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Himalayan pied wood-pecker	<i>Dendrocopos himalayensis</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Himalayan swiftlet	<i>Collocalias brevirostris</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Himalayan tree-creeper	<i>Certhia discolor</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	House sparrow	<i>Passer domesticus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	India white-backed vulture	<i>Gyps bengalensis</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Indian cuckoo	<i>Cuculus micropterus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Jungle crow	<i>Corvus macrorhynchos</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Koel	<i>Eudynamys scolopaceas</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Red jungle fowl	<i>Gallus gallus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Rose ringed parakeet	<i>Psittacula krameri</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Rufous trustle dove	<i>Streptopelia orientalis</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Scaly-bellied green	<i>Picus squamatus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Slaty blue flycatcher	<i>Muscicapa leucomelana</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Slaty-headed parakeet	<i>Psittacula himalayana</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Sparrow hawk	<i>Accipiter nisus nisosimilis</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community

Birds	Spotted forktail	<i>Enicurus maculatus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
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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.)
	Darnel grass	<i>Lolium temulentum</i>	Herbs			
	Foreget-me-Not	<i>Myosotis sylvatica</i>	Herbs			
	Golden Rod	<i>Solidago virgaurea</i>	Herbs			
	Granny's Bonnet	<i>Aquilegia fragrans</i>	Herbs			
	Helleborine	<i>Epipactis latifolia</i>	Herbs			
	Helleborine Orchid	<i>Epipactis wallichii</i>	Herbs			
	May Apple	<i>Podophyllum hexandrum</i>	Herbs			
	Milkvetch	<i>Astragalus</i>	Herbs			
	Millfoil	<i>Achillea millefolium</i>	Herbs			
	Mountain Sorrel	<i>Oxyria digyna</i>	Herbs			
	Nepal Cinquefoil	<i>Potentilla nepalensis</i>	Herbs			
	Nepal Dock	<i>Rumex nepalensis</i>	Herbs			
	Northern Bedstraw	<i>Galium boreale</i>	Herbs			
	Pink Evening Primrose	<i>Oenothera rosea</i>	Herbs			
	Red Clover	<i>Trifolium pretense</i>	Herbs			
	Rock splitter	<i>Bergenia stracheyi</i>	Herbs			
	Silky Woundwort	<i>Stachys sericea</i>	Herbs			
	St. John's Wort	<i>Hypericum perforatum</i>	Herbs			
	Sun Spurge,	<i>Euphorbia helioscopia</i>	Herbs			
	Wallich's Willow Herb	<i>Epilobium wallichianum</i>	Herbs			

	White spotted	<i>Pedicularis punctata</i>	Herbs			
	Wild Indigo	<i>Indigofera heterantha</i>	Herbs			
	Wild Lettuce	<i>Lactuca longifolia</i>	Herbs			
	Wild Rose	<i>Rosa webbiana</i>	Shrubs			
	Wild Strawberry	<i>Fragaria nubicola</i>	Herbs			
	Walnut	<i>Juglans regia</i>	Tree			
	Bird cherry	<i>Prunus cornuta</i>				
	Urni	<i>Corylus colurna</i>				
	Maple	<i>Acer spp</i>				
	Horse Chest-nut	<i>Aesculus indica</i>				
	Hum	<i>Fraxinus excelsa</i>				
	Morhu	<i>Quercus dilatata</i>				
	Heru	<i>Quercus ilex</i>				
		<i>Viburnum foetens</i>	Shrub			
		<i>Cotonaster spp</i>	Shrub			
		<i>Indigofera spp</i>	Shrub			
	Banafsha	<i>Viola canescens</i>	Herbs			
	Wild Strawberry	<i>Fragaria vesica</i>	Herbs			
	Gebo grass	<i>Oryzopsis aquiglumis</i>	Grass			
	Kail	<i>Pinus wallichiana</i>	Tree			
	Bird cherry	<i>Prunus Cornuta</i>				
	Maples	<i>Acer caesium</i>				
	Horse Chest-nut	<i>Aesculus Indica</i>				
		<i>Sambucus ebulus</i>	Bush			
		<i>Skimmia laurea</i>	Shrub			

	Wanwangun	<i>Podophyllum hexandrum</i>	Herb			
		<i>Viola spp</i>	Herb			
		<i>Fragaria spp</i>	Herb			
		<i>Polygonum spp</i>	Herb			
	wapal haakh	<i>Rumex spp</i>	Herb			
		<i>Anemone spp</i>	Herb			
		<i>Phytolaca spp</i>	Herb			
	Urni	<i>Corylus colurna</i>	Tree			
	Ash	<i>Fraxinus excelsior</i>	Tree			
	Arkhor	<i>Rhus succedenea</i>	Tree			
	Junipers	<i>Juniperas recurva</i>	Tree			
		<i>Potentilla</i>	Herb			
		<i>Primula</i>	Herb			
		<i>Anemone</i>	Herb			
		<i>Agrotis</i>	Herb			
		<i>Dactylis</i>	Herb			
	Ban oak	<i>Quercus leucotrichophora</i>	Trees			
	Maru Oak	<i>Quercus dilalata</i>	Trees			
		<i>Quercus leucotrichophora</i>	Tree			
	Kharsu Oak	<i>Quercus semecarpifolia</i>	Tree			
		<i>Pistaciai integerrima</i>	Trees			
		<i>Punica granatum</i>	Trees			
		<i>Lyonia ovalifolia</i>	Shrub			
	Tanji	<i>Pyrus Phashia</i>	Trees			
		<i>Alnus nepalensis</i>	Trees			

	Bremij	<i>Caltis australis</i>	Trees			
		<i>Dabregeasia hypoleuca</i>	Shrub			
		<i>Berberis sps</i>	Shrub			
	Solai	<i>Plectranthus rogosus</i>	Shrub			
		<i>Daphne cannabina</i>	Shrub			
		<i>Spiraea sorbifolia</i>	Shrub			
		<i>Pirinsepia utilis</i>	Shrub			
		<i>Rubus ellipticus</i>	Shrub			
		<i>Woodfordia floribunda</i>	Shrub			
		<i>Rosa moschata</i>	Shrub			
		<i>Punica granatum</i>	Shrub			
		<i>Fragaria vesca</i>	Herb			
		<i>Girardinia heterophylla</i>	Herb			
		<i>Impatiens glandulifera</i>	Herb			
		<i>clematis spp</i>	Climber			
		<i>Jasminum humile</i>	Climber			
		<i>Vitis spp</i>	Climber			
		<i>Aesculus indica</i>	Trees			
		<i>Alnus nitida</i>	Trees			
		<i>Ulmus wallichiana</i>	Trees			
		<i>Prunus padus</i>	Trees			
		<i>Quercus dilatata</i>	Trees			
		<i>Quercus semecarpifolia</i>	Trees			
		<i>Quercus incana</i>	Trees			
	Tanji	<i>Pyrus pashia</i>	Trees			

	Urni	<i>Corylus colurna</i>	Trees			
		<i>Cederella spp</i>	Trees			
		<i>Toona Ciliata</i>	Trees			
		<i>Populus spp</i>	Trees			
		<i>Viburnum foetens</i>	Trees			
		<i>Viburnum nervosum</i>	Trees			
		<i>Skimmia laureola</i>	Trees			
		<i>Desmodium spp</i>	Trees			
		<i>Sarcococca saligna</i>	Trees			
		<i>Indigofera pulchella</i>	Trees			
		<i>Prinsepia utilis</i>	Trees			
		<i>Rosa spp</i>	Trees			
		<i>Daphne cannabina</i>	Trees			
		<i>Acer pictum</i>	Trees			
		<i>Cotoneaster spp</i>	Trees			
		<i>Vitis semicordata</i>	Climber			
		<i>Lonicera spp</i>	Climber			
		<i>hedera helix</i>	Climber			
		<i>Viola canescens</i>	Herbs			
		<i>Fragaria vesca</i>	Herbs			
		<i>Rumex hastatus</i>	Herbs			
		<i>Girardinia heterophylla</i>	Herbs			
		<i>Impatiens glandulifer</i>	Herbs			
		<i>Atropa belladonna</i>	Herbs			
		<i>Salix spp</i>	Tree			

		<i>Spiraea spp</i>	Tree		
		<i>Populus ciliate</i>	Tree		
		<i>Fomes pinii</i>	Fungus		
		<i>Arceuthobium minutissimum</i>	Parasite		
	Spirea	<i>Spiraea sorbifolia</i>			
	Jasmine	<i>Jasminum humile</i>			
	veer	<i>Salix alba</i>			
	Horse chestnut	<i>Aesculus indicus</i>			
	Chinar	<i>Platanus orientalis</i>			
		<i>Rosa webbiana</i>			
	Elm	<i>Ulmas wallichiana</i>			
	Hundun	<i>Aesculus indica</i>			
	Akhroot	<i>Juglans regia</i>			
	Tul	<i>Morus nigra</i>			
	Poa	<i>Parrotiopsis jacquemontiana</i>			
	Kail	<i>Pinus wallichiana</i>			
	Phrast	<i>Populus alba</i>			
	Phrast	<i>Populus ciliata</i>			
	Phrast	<i>Populus nigra</i>			
	Kikur	<i>Robina pseudoacacia</i>			
	Bren	<i>Ulmus wallichiana</i>			
	Champ	<i>Alnus nitida</i>			
	Ban	<i>Quercus incana</i>			
	Mohru	<i>Quercus dilitata</i>			
	Tanji	<i>Pyrus pashia</i>			

	Chinar	<i>Platanus orientalis</i>				
	veer	<i>Salix alba</i>				
<p>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</p>						

Format 30: Flora

1	2	3	4	5	6	7
Animal Type	Local Name	Scientific Name	Type of Animals (Mammal/Bird/Fish/Insect etc.)	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	Leopard	<i>Panthera pardus</i>	Mammals	Forest/village	NA	Rare
2	The Indian Fox	<i>Vulpes bengalensis</i>	Mammals	Forest/village	NA	Rare
3	The Indian Field Mouse	<i>Mus booduga</i>	Mammals	Forest/village	NA	Rare
4	The Rhesus Macaque	<i>Macaca mulatta</i>	Mammals	Forest/village	NA	Rare
5	Blue rock pigeon	<i>Columba livia</i>	Birds	Forest/village	NA	Common
6	Blue whistling thrush	<i>Myophonus caeruleus</i>	Birds	Forest/village	NA	Common
7	Cinamon tree sparrow	<i>Passer rutilans</i>	Birds	Forest/village	NA	Common
8	Common kingfisher	<i>Alcedo atthis</i>	Birds	Forest/village	NA	Common
9	Common myna	<i>Acridotheres tristis</i>	Birds	Forest/village	NA	Common
10	Golden oriole	<i>Oriolus oriolus</i>	Birds	Forest/village	NA	Common
11	Griffon vulture	<i>Gyps fulvus</i>	Birds	Forest/village	NA	Rare
12	Himalayan Griffon Vulture	<i>Gyps himalayensis</i>	Birds	Forest/village	NA	Rare
13	Himalayan pied wood-pecker	<i>Dendrocopos himalayensis</i>	Birds	Forest/village	NA	Common
14	Himalayan Rufous Turtle Dove	<i>Streptopelia orientalis meena</i>	Birds	Forest/village	NA	Common
15	Hoopoe	<i>Upupa epops</i>	Birds	Forest/village	NA	Common
16	House crow	<i>Corvus splendens</i>	Birds	Forest/village	NA	Common
17	House sparrow	<i>Passer domesticus</i>	Birds	Forest/village	NA	Common

18	House swift	<i>Affinis</i>	Birds	Forest/village	NA	Common
19	Indian cuckoo	<i>Cuculus micropterus</i>	Birds	Forest/village	NA	Common
20	Indian ring dove	<i>Streptopelia decaocto</i>	Birds	Forest/village	NA	Common
21	Indian tree pie	<i>Dendrocitta vagabunda</i>	Birds	Forest/village	NA	Common
22	Jungle crow	<i>Corvus macrorhynchos</i>	Birds	Forest/village	NA	Common
23	Koel	<i>Eudynamys scolopaceas</i>	Birds	Forest/village	NA	Common
24	Koklass pheasant	<i>Pucrasia macrolopha</i>	Birds	Forest/village	NA	Common
25	Pariah kite	<i>Milvus migrans govinds</i>	Birds	Forest/village	NA	Common
26	Rofous backed shrike	<i>Lanius schach</i>	Birds	Forest/village	NA	Common
27	Rose ringed parakeet	<i>Psittacula krameri</i>	Birds	Forest/village	NA	Common
28	Rufos-streaked accentor	<i>Prunella himalayana</i>	Birds	Forest/village	NA	Common
29	Rufous trustle dove	<i>Streptopelia orientalis</i>	Birds	Forest/village	NA	Common
30	Scaly-bellied green wood-pecker	<i>Picus squamatus</i>	Birds	Forest/village	NA	Common
31	Slaty-headed parakeet	<i>Psittacula himalayana</i>	Birds	Forest/village	NA	Common
32	Snow partridge	<i>Larwa lerwa</i>	Birds	Forest	NA	Rare
33	Spotted dove	<i>Stigmatopelia chinensis</i>	Birds	Forest/village	NA	Common
34	Swallow	<i>Hirundo rustica</i>	Birds	Forest/village	NA	Common
35	Swift	<i>Apus apus</i>	Birds	Forest/village	NA	Common
36	White breasted kingfisher	<i>Halcyon omyrnensis</i>	Birds	Forest/village	NA	Common
37	White checked bulbul	<i>Pycnonotus leucogenys Leucogenys</i>	Birds	Forest/village	NA	Common
38	Yellow wagtail	<i>Motacilla flava</i>	Birds	Forest/village	NA	Common
39	Yellow-headed wagtail	<i>Motacilla citreola</i>	Birds	Forest/village	NA	Common

40	Wren	<i>Troglodytes troglodytes</i>	Birds	Forest/village	NA	Common
41	Yellow wagtail	<i>Motacilla flava</i>	Birds	Forest/village	NA	Common
42	Yellow-headed wagtail	<i>Motacilla citreola</i>	Birds	Forest/village	NA	Common
43	Oriental garden lizard	<i>Calotescf. versicolor</i>	Reptiles	Forest/village	NA	Common
44	Common sand boa	<i>Eryxconicus</i>	Reptiles	Forest/village	NA	Common
45	Himalayan keelback	<i>Herpetoreasplatyceps</i>	Reptiles	Forest/village	NA	Common
46	Common cat snake	<i>Boigatrigonata</i>	Reptiles	Forest/village	NA	Common
47	Glossy bellied racer	<i>Platycepsventromaculatus</i>	Reptiles	Forest/village	NA	Common
48	Common cliff racer	<i>Platycepsrhodorachis</i>	Reptiles	Forest/village	NA	Common
49	Barred wolf snake	<i>Lycodonstriatus</i>	Reptiles	Forest/village	NA	Common
50	Banded kukri snake	<i>Oligodonarnensis</i>	Reptiles	Forest/village	NA	Common
51	Schokari sand snake	<i>Psammophisschokari</i>	Reptiles	Forest/village	NA	Common
52	Common rat snake	<i>Ptyas mucosa</i>	Reptiles	Forest/village	NA	Common
53	Red spotted royal snake	<i>Spalerosophisarenarius</i>	Reptiles	Forest/village	NA	Common
54	Checkered keelback	<i>Fowlea piscator</i>	Reptiles	Forest/village	NA	Common
55	Common krait	<i>Bungaruscaeruleus</i>	Reptiles	Forest/village	NA	Common
56	Himalayan pit viper	<i>Gloydiushimalayanus</i>	Reptiles	Forest/village	NA	Common
57	Russell's viper	<i>Daboia russelii</i>	Reptiles	Forest/village	NA	Common
58	Himalayan toad	<i>Duttaphrynus himalayanus</i>	Amphibians	Forest/village	NA	Common
59	Common skittering frog	<i>Euphlyctiscyanophlyctis</i>	Amphibians	Forest/village	NA	Common
60	Indian Bull frog	<i>Hoplobatrachustigerinus</i>	Amphibians	Forest/village	NA	Common
61	Himalayan Paa frog	<i>Nanoranavicina</i>	Amphibians	Forest/village	NA	Common

62	Small Paa frog	<i>Nanoranaminica</i>	Amphibians	Forest/village	NA	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 31: Any other information of local importance

1	2	7
Sr. No.	Information of local importance	Remarks