

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Gool A

Taluk/Tehsil: Gool

District: Ramban

State/UT: Jammu And Kashmir

Geographical Area of the Panchayat Samiti:

Population Of the Panchayat samiti...Total 1914

Male= 1003 Female = 911

Habitat and Topography:

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: Gulzar Ahmed

Age: 50 years

Gender: Male

Address : R/o Gool

Area of specialization:

2) Name : Shagufta Begum

Age: 28 years

Gender: Female

Address : R/o Gool

Area of specialization:

3)Name : Rafiq Begum

Age: 34 years

Gender: Female

Address : R/o Gool

Area of specialization:

4)Name: Javid Ahmed

Age: 42 years

Gender: Male

Address : R/o Gool

Area of specialization:

5)Name: Mohd. Shafi jaral

Age : 65 years

Gender: Male

Address : R/o Gool

Area of specialization:

6)Name: Mohd. Sadiq Tragwal

Age: 45 years

Gender: Male

Address : R/o Gool

Area of specialization:

7)Name: Nazir Ahmed

Age: 46 years

Gender :Male

Address : R/o Gool

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 : Nil

Age:

Gender:

Address:

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: Nil

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

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>		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
Maize	<i>Zea mays</i>	Makki	Desi	Lowland valleys		Plenty	Plenty		May - Oct	Food Fodder	Provides more energy	-	Seed	community
Rajma	<i>Phaseolus vulgaris</i>	Rajmash	Desi	Lowland valleys		Plenty	Rare		May - June	Food	Provides more energy	-	Seed	Community
Potato	<i>Solanum tuberosum</i>	Aaloo	Desi	Lowland valleys		Rare	Rare		April - Aug	Food	-	-	Propagation	Govt
Onion	<i>Allium cepa</i>	Pyaj	Pussa red N53 and local variety	Semi-tropical		Rare	Rare		Oct - Dec	Used as spice	-		-	Local

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
Fig	<i>Ficus carica</i>	Phogara	Local	Mid hills			Govt. Nursery/ Private Registered Nry	Rainy		Fresh Fruit		Farmer/ Department of Horticulture

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 varieties	improved plenty varieties		Khariief	leaves and stem	Rich source of Energy Nutritious fodder	Green Dry Fodder	Local Seed Deptt. Seed
Mohru	<i>Quercus dilitata</i>	Mor		Sub-tropical, Semi-tropical & Temperate	1HA	Plenty	Rare	-	-	leaves	Firewood	Suitable for fodder	Seeds
willow	<i>salix circus</i>	veer		Sub-tropical, Semi-tropical & Temperate	1 HA	Plenty	Plenty	-	-	leaves	Firewood	Suitable for fodder	Cutting
Popular	<i>Populus ciliata</i>	Frast		Abundant	0.5 HA	Rare	Rare	-	-	leaves	Firewood	Suitable for fodder	Cutting
Banj	<i>Quercus incana</i>	Banj		Sub-tropical, Semi-tropical & Temperate	-	Rare	Rare	-	-	leaves	Firewood	Suitable for fodder	Seeds

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 succesfully competete for availbale nutrients, water, space and sunlight 2. Reduce natural duiversity 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 , Potasssium & 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>Phlalaris 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 hysterothorous</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,</i> <i>Torera indica,</i> <i>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
Gool	14 animals per week	Local Sheep & Goat	02 animals per day	Local	Gool		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
Total : 1914	Farmers, agriculturer labourers & small shop-keepers and major occupation is farming		Agricultural land and forest land	Agricultural land	Nil	Nil	General	-	-	352

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	Features and approx. Area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Serial No.	PBR ID	Agricultural land	Pond	Fallow Land											
1	LRBN001	Cultivated land			Cultivated land	65%	Agriculturely Land is privately owened.	Plant. Some wild plant	Insect	Nil	Unknown				Low income communitis
2	LRBN002	Non-Cultivated land			Non-Cultivated land	5%	Govt/Private	Plant. Some wild plant	Insect	Available for farming cattle rearing. Rat catching	Unknown				Low income communitis
3	LRBN003	Irregated Land			Irregated Land	10%	Government	Aquatic plants	Insect	Unknown	Unknown				Low income communitis
4	LRBN004	Forest Land			Forest Land	15%	Govt/Private	Wild plantation	Insect and Amphibian	Unknown	Unknown				Low income communitis
5	LRBN005	Non-Irregated Land			Non-Irregated Land	15%	Government	Wild Plant	Insect and Amphibian	Unknown	Unknown				Low income communitis
6	LRBN006	Grazing land			Grazing land	35%	Private	Plant. Some wild plant	Insect	Unknown	Unknown				Low income communitis

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

Examples: Ponds, Streams, Rivers, Lake, Canal, Tubewell, Dug well 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	Saib	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	BaguGosha, Nakh, Nashpati	Red Bartlett, Punjab Beauty, PatharNakh, Star Krimson	Mid hills to High hills	-	-	Do	Rainy	-	Fresh Fruit		Farmer/ Department of Horticulture
Peach	Prunuspersica	Aaroo	FLA 16/13 July Alberta, Quetta, Florda sum, FlordaPrenice	Lower hills upto High hills	-	-	Do	Summer	-	Fresh Fruit		Farmer/ Department of Horticulture
Apricot	Prunusarmeniaca	Khobani, Sarri	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, Aloochoa	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
Pecannut	Caryaillinoensis	<i>Pacannut</i>	Stuart, Western Shelley, Descrable	Mid hills	-	-	Govt. Nursery	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
Olive	Oleaeuropea	<i>Zaitoon</i>	Carolea, CoratinaFrontoio,	Mid hills	-	-	Govt. ACHD Ramban	Rainy	-	Oil		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
Pomegranate	Punicagranatum	<i>Anardana, Daroo</i>	Anardana, Kandhari, Ganesh	Lower hills upto Mid hills	-	-	Govt. Nursery/ Private Registered Nry	Rainy	-	Anardana		Farmer/ Department of Horticulture

Kiwi	Actinidiadeliciosa	<i>Kiwi</i>	Allison, Abbot, Tomuri, Hayward	Mid hills upto High hills	-	-	ACHD Ramban	Rainy	-	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

Beat Guard

Block officer

Range officer

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	Gandera	<i>Nerium oleander</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	Ulmas wallichiana	local		Commercial				
Shrub	Gulaktab	Helianthus			Non-Commercial		N.A	N.A	Generally, held by community

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>Capra hircus</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>Capra hircus</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>Capra hircus</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>Bos taurus</i>	Local	Small size, Low body weight	Flock rearing	Plenty	Rare	Milk	Milk good for brain	-	-	Local and nomads
Buffalo	Bhains	<i>Bubblous bubalis</i>	Local	Large size, high body weight	Flock rearing	Rare	Rare	Milk	Milk good for brain	-	-	Local and nomads
Horse	Ghorda	<i>Equus caballus</i>	Local	Large size, high body weight	Flock rearing	Plenty	Rare	For carrying weight from one place to another	-	-	-	Local and nomads
Dog	Kutta	<i>Cannis lupus</i>	Local	Small in size	Flock rearing	Plenty	Rare	-	-	-	-	Local and nomads

Cat	Billi	<i>Felis Catus</i>	Local	Small in size	Flock rearing	Rare	Rare	-	-	-	-	Locals
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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	Banafsha	<i>Viola odorata</i>		Temprate	Rare	Rare	-	-	-	nil	Generally, held by community
Herb	Belladonna	<i>Atropa belladonna</i>		Temprate	Rare	Rare	-	-	-	nil	Generally, held by community
Herb	Bhang	<i>Cannabis sativa</i>		Temprate	Abundant	Abundant	-	-	-	nil	Generally, held by community
Trees	Fir/ Budlu	<i>Abies pindrow</i>		Temprate	Abudent	Abudent	-	-	-	nil	Generally, held by 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	Abudent	Abudent	-	-	-	nil	Generally, held by community
Trees	Kikur	<i>Robina pseudoacacia</i>		Sub-tropical	Abudent	Abudent	-	-	-	nil	Generally, held by community
Trees	Champ	<i>Alnus nitida</i>		Sub-tropical/ Temprate	Rare	Rare	-	-	-	nil	Generally, held by community
Trees	Mohru	<i>Quercus dilitata</i>		Temprate	Rare	Rare	-	-	-	nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>		Rare	Rare	Wild	-	-	-	nil	Generally, held by community

Format 19: Wild Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Bhang	<i>Cannabis sativa</i>	Local	Hempseed oil, Hallucinogenic, sedative, Analgesic, Anti-inflammatory, piles	Abundant
2	Banafsha	<i>Viola odorata</i>	Local	Cough, Cold, Bronchitis, headache,	Threatened

Beat Guard

Block officer

Range officer

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				
Duckweed	<i>Lemna</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
Watermeal	<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
	<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
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 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					
Herb	Agg jari	Saxifraga jacquemontiana	Local	alt. 4000-5000m/Temperate	seeds	Rare	Rare	Kidney Stones			
Herb	Anemone	Anemone obtusiloba	Local	1500-3500m/ Temperate	vegetative division	abundant	rare	Diuresis, wound healing, Bronchitis, Dysentery, sore throat , hypothermia, tonsillitis etc.	seeds m Root and fruit	Bronchitis	
Herb	Gadikan/Ban tambaku	Verbascum Thapsus	Local	1600-3000m/ Temperate	seeds	abundant	rare	Antirheumatic, Astringent, demulcent & Emollient, wound Healing	Leaves	Antirheumatic	
Herb	Banafsha	Viola odorata	Local	1500-3000m/ Temperate	seeds and runners	abundant	abundant	Cough, Cold, Bronchitis, headache,	flower	cough , Cold and Fever	
Herb	Wan wangoun	Podophyllum hexandrum	Local	Alt.2000-4000m/ Temperate	seeds and roots stocks	Rare	Critically endangered	Cancer, Gonorrhea, Typhoid fever, vermifuge	Rhizomes and Roots		

Herb	Belladonna/ Deadt Night shade	Atropa belladonna	Local	2000-3500m/ Temperate	seeds	rare	rare	anticholinergic and antispasmodic,irritable bowl syndrome,eye drops	All parts of the plant	Pain reliever,antiinflamatory	
Herb	Bhang	Cannabis sativa	Local	cosmopolitan/ Temperate	seeds	abundant	abundant	Hempseed oil,Hallocinogenic, sedative,Analgesic, Anti-inflammatory, piles	All parts of the plant	Psychoactive	
Herb	Bhutyata	Corydalis govaniana	Local	1500-4000m/ Temperate	seeds	rare	rare	Antidote, Febrifuge, Vermifuge , anti-inflammatory,Syphilis	Root		
Herb	Blue poppy	Meconopsis aculeata	Local	1500-3500m/ Temperate				alalgescic and febrifuge,			
Herb	Metha Kafal	Phytolacca acinosa	Local	1500-3000m/ Temperate	seeds	rare	rare	urinary disorders, nephrotiss,abdominal distension, boils and sores, antiasthamatic, antifungal,vermifuge etc	Roots		
Shrub	Chalander/ Kulmach	Viburnum grandiflorum	Local	1500-4000m/ Temperate	seeds	abundant	abundant	seeds are Digestive and expectorant	seeds		
Herb	Choorā	Angelica glauca	Local	1800-3700m/ Temperate	seeds and roots	rere	rare	aromatic	Root	snake removal	

Herb	Chukri/ Pambtsalan	Rheum austral	Local	3200-4000m/ Temperate	seeds	rare	endangered	antisposmodic, antotumour, cholagogue, astringent, gallblader problems etc	Root		
Creeper	Chuku/ Changeri	Oxalis corniculata	Local	cosmopolitan	seed & underground bulbilis	abundant	abundant	source of vit-c, Scurvy, Influenza	leaves	paste of leaves used as antidote for snake poisoning	
Herb	Dand jari	Rhodiola himalensis	Local	3600-4500m/ Temperate	seeds	rare	Rare	Reduce fatigue , depression and anxiety, altitude sickness	all parts of the plant		
Herb	Dhad Kopdi	Bergenia Stracheyi	Local	2700-4700m/ Temperate	rhizome,			Kidney stones, gastrointestinal disorders, antifungal, antibacterial activities, anti-ulceeretc	Rizomes tuber, whole plant leaves		
Herb	Ephedra	Ephedra gerardiana	Local	2400-5000m/ Temperate	seeds	rare	rare	Cold, coughs, asthma, arithritis			
Shrub	Feku	Ficus palmate	Local	1400-2500m/ Temperate	Cuttings and seeds	abundant	abundant	Fruit is demolescent, laxative, used in diseases of lungs and bladder.	Fruit		
Herb	Gaddo	Salvia moorcroftiana	Local	1500-3000m/ Temperate	Seeds	abundant	abundant	treatment of colds and cougs, dysentery, colic and boils, dressing for wounds	roots , leaves and seeds	dressing for wounds	

Herb	Guggal	Jurinea dolomiaea	Local	1600-4000/ Temperate	Seeds	Rare	rare	decoction of root is cordial, treatment of fevers, etc			
Herb	Gul-e-snohar	Geranium wallichianum	Local	2500-3600m	Seed	abundant	rare	Peptic ulcers and Tooth aches, to stem the bleeding cuts.	root		
Herb	Hamesh bahar	Calendula officinalis	Local	Low lying areas/Temperate	seeds	rare	rare	Antiviral, antiinflammatory, Antiseptic, healing faster, relieving diaper rash	all parts of the plant	ornamental	
Herb	Handh	Taraxacum officinale	Local	Everywhere/ Temperate	seeds and roots	abundant abundant		Diuretic, hepatic, Laxative, Cholagogue, antibiotic, against yeast infection etc	Roots and leaves		
Herb	Hillu	Impatiens glandulifera	Local	1800-3000m/ Temperate	Seeds	rare	rare	relieving Anxiety and stress	whole plant		
Herb	Jarjam	Sanecio chrysanthemoides	Local	/Temperate							
Shrub	Kaimal/ kawdachh	Berberis lyceum	Local	1500-3500/ Temperate	Seeds	Abundant	abundant	remedy for swollen and sore eyes, broken bones, diaphrotic and febrifuge etc	whole plant		

Herb	Kahzaban	Arnebia benthami	Local	3000-4500m/ Temperate	Seeds	rare	rare	tongue and throat diseases, stimulant , diuretic,expectorent,antipyritic	whole plant	throat diseases, fever	
Herb	Kalishadi	Daphne oleoides	Local	1700-2300/ Temperate	Seeds	rare	rare	treatment of cutaneous infections, gonorrhoea	bark and leaves		
Shrub	Kanhaji	Sorbaria tomentosa	Local	1800-2700m/ Temperate	Seeds, cuttings,Suc kers	rare	rare	Asthma	Fruits and Stems		
Shrub	Kareel Kaimbul/Cho wnphal	Berberis aristata	Local	1500-3500m/ Temperate	Seeds	abundant	abundant	treatment of eye and skin diseases,malaria,diarrohecea, antibacterial effects, jaundice,dysentry	fruit and Rhizome	fruits used as digestive tonic	
Herb	Kim	Morina longifolia	Local	1600-2500m/ Temperate	Seeds	rare	rare	stomic disorders andindigestion and emetic			
Herb	Kinns	Dioscorea deltoidea	Local	2000-3200mv	Tubercles, Bulbulis	rare	rare	ophthalmi infections, treatment of ,roundworms , progestron,Contraceptives,	Roots, tubers		
Herb	Kour	Picrorhiza Kurrooa	Local	2700-4500/ Temperate	seeds & Rhizome	rare	extinct	all forms of liver damage, against hapatitis c, wound healng,asthama,	Rhizome		

Herb	Kuppad jari	Sedum ewersii	Local	1500-2500m/ Temperate	seeds	rare	rare	remedy for ringworm,treatment of ulcers warts ,rashes, also act as laxative and diuretic	leaves		
Herb	Kuth	Saussurea lappa	Local	2500-300m/ Temperate	seed/root	rare	c.endangered	Carminitive , aphrodisiac,antihelminthic, headaches, asthma,paralysiss, diseases of liver and kidney,etc	Root		
Fern	Maiden Hair	Adiantum Venustum	Local	1400-4000m/ Temperate	Rhizomes	abundant	abundant	Emmetic, diuretic,headaches scorpion stings, cuts and wounds	fronds and rhizomes		
Shrub	Mooiin	Artemisa maritime	Local	1500-3500m/ Temperate	Seeds			Antihelminthic, antispasmodic, Vermifuge.	Leaves		
Shrub	Mori	Delphinium roylei	Local	2000-3500m/ Temperate	seeds	rare	rare	sedative, prenention of intestinal worms, & insomnia etc	leaves		
Herb	Mulam	Inula royeleana	Local	3100-4000m/ Temperate	seeds			fall in blood pressure, peristalic movements of intestines	root		
Herb	Murma	Valeriana dubia	Local	1500-3500m/ Temperate	Seeds and roots			Nervous disorders, insomnia,prevention in menstrual disorders	Root and Rhozome		

Herb	Nag Rus/sweet flag	Acorus calamus	Local	1500-4000m/ Temperate	Rhizome	rare	rare	Gastrointestinal disease	Rhizome	Digestive disorders and pain	
Herb	Neel Kanth/Bugle	Ajuga bracteosa	Local	700-4000m/ Temperate	seed	rare	rare	Gastric problems, abdominal pain, substitute for quinine	Leaves		
Herb	Patish	Aconitum heterophyllum	Local	2000-3000m/ Temperate	Seeds	rare	rare	Antidote for Snake bite	Root		
Tree	Postul	Taxus baccata	Local	1800-3300m/ Temperate	seeds	rare	rare	Anticancer Drugs	bark		
Herb	Sapp Google	Arisaema flavum	Local	3500-4000m/ Temperate	Seeds	rare	rare	Expectorent,tetanus,epilepsy ets	whole plant		
Herb	Shemar	Desmodium elegans	Local	1200-4000m/ Temperate	Seeds	rare	rare	Cholera and peptic ulcers	root and bark		
Herb	Sheshak	Rhabdosia rugosa	Local	1500-3500m/ Temperate	Seeds	rare	rare	insecticide and vemicide, peptic ulcers prostrate cancer etc	whole plant		

Shrub	Shutenger	Rhododendren anthopogon	Local								
Herb	Suchal	Malva neglecta	Local	1500-4000/ Temperate	seeds	abundant	abundant	antiphlogistic , astringent, laxative, leaves and floerss can be eaten as a diet	All parts of the plant	digestive disorders and laxative	
Herb	Tatnu	Caltha palustris	Local	1500-3500m/ Temperate	seeds & Rhizomes	Rare	Rare	antispasmodic, diaphrotic,antirheumatic, expectorent,, poltice of boils and sores etc	all parts of the plant		
Herb	Nag chatri	Trillium govanium	Local	2500-4000m/ Temperate	seeds and rhizome	rare	rare	formation of steroids and sex hormones	Rhizome	Aphrodisitic	
Herb	Kalyouth	Prunella vulgaris	Local	1500-3500m/ Temperate	seeds	rare	rare	antiseptic ,antipyritic,antispasmodic,g oitre ,hypotensive,,neprjtjc,fevers, headaches and many more	leavea and flower	fevers and coughs and headaches.	
Herb	Soi	Urtica dioica	Local	everywhere/ Temperate	Seeds	abundant	abundant	arthritis,, prostatic hyperplasia, to ntreat urinary problems	Leaves and stem	Arthritis	
Herb	Crown lily	Fritillaria imperialis	Local	2000-3000m/ Temperate	Bulb	rare	rare	Expectorent, increases brest milk	Bulb		

Herb	Datur	Datura strimonium	Local	1400-2500m/ Temperate	Seeds	Abundant	abundant	Antispasmodic,antihelmenthic, aanti-inflammatory	seeds m Root and fruit	Antispasmodic	
herb	Wan jawain	Thymus linearis	Local	2000-4000m/ Temperate	seeds	abundant	abundant	Antispasmodic, gastrointestinal problems,repiratory disorders and many more	Seeds		
Herb	Kasrod	Diplazium esculentum	Local	1700-3500m/ Temperate	rhizome and spores	abundant	abundant	Laxative, treatment of Cough etc	Fronds, Rhizomes	eating	
Herb	Waenie	Pteris vitata	Local	1500-3500/ Temperate	Rhizomes and spores	abundant	abundant	Dysentry	fronds		
Herb	Mid-posh/ peony	Peonia officinale	local	1500-4000m/ Temperate	Roots and Rhizomes	abundant	rare	Osteoarthritis, menstrual problems, respiratory tract problems	roots		
Herb	Fakil	Ferula communis	local	1800-2500m// Temperate	seeds	Abundant	rare	antidiabetic, antiproliferative, Antimicrobial.	Seeds		
Tree	Arkhol/Rhus	Rhus toxicodendron	local	2000-3500m/ Temperate	Seeds	Rere	Rare	Treatmentof Flu, cramps , Strains,restlessness leg syndrome	Bark and Seeds		
Herb	Mazarmund	Iris Kashmiriana	Local	1500,3500m/ Temperate	rhizome,	rare	rare	Arthritis	Rhizome	joint pains	

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
Jungli putna	<i>Mentha arvensis</i>	<i>Mentha longifolia</i>	Along the Nalla's	Abundant	Medicinal use	Leaf	chutney		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

Warze kul	<i>Zizyphus jujube</i>	<i>Zizyphus mauratiana</i>	Scattered in forest	Abundant	Fruit	Fruit	Fruit		Generally, held by community
Anardana	<i>Punica granatum</i>	<i>Punica granatum</i> var. <i>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
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</i> var. <i>delicious</i>	Scattered in forest	Abundant	Fruit	Fruit	Fruit		Generally, held by community
Jungli Akhroot	<i>Juglans regia</i>	<i>Juglans regia</i> var. <i>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	
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	Ulmas wallichiana	local	Lesser Himalayas	Commercial	N.A	N.A	

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	Badu	<i>Desmodium elegans</i>	Local	Locally present	Rare	Rare	use for teeth Cleaning	Twigs			Generally, held by community
4	Peach	<i>Prunus persica</i>	Local	Locally present	Rare	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				
Fir/ Budlu	<i>Abies pindrow</i>	Temperate	Abundant	Rare	Firewood/ Timber	Unknown		Generally, held by community
Akhroot	<i>Juglans regia</i>	Temperate	Abundant	Abundant	Fruit edible/ Timber	Bark and twigs used for teeth cleaning		Generally, held by community
Tul	<i>Morus nigra</i>	Temperate	Abundant	Abundant	Fruit edible	Unknown		Generally, held by community
Kail	<i>Pinus wallichiana</i>	Temperate	Abundant	Abundant	Firewood/ Timber	Unknown		Generally, held by community
Kikur	<i>Robina pseudoacacia</i>	Temperate	Abundant	Abundant	Fodder/firewood	Unknown		Generally, held by community
Mohru	<i>Quercus dilitata</i>	Temperate	Abundant	Abundant	Fodder, firewood	Unknown		Generally, held by community
Popular	<i>Populus ciliata</i>	Sub-tropical/ Temperate	Rare	Rare	Fodder, firewood	Unknown	-	Generally, held by community

Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others)

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						Past	Present					
Mammals	Himalayan Mouse Hare	<i>Ochotona roylei</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Jackal	<i>Canis aureus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Jungle Cat	<i>Felis chaus</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	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	Paradise flycatcher	<i>Terpsiphone paradise</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Pariah kite	<i>Milvus migrans govinds</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	Slatyheaded 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 maculates</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community

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			
	Pohu	<i>Parrotiopsis jacquemontiana</i>	Tree			
	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			
	Spurce	<i>Picea smithiana</i>	Tree			
	Fir	<i>Abies pindrow</i>				
	Yew	<i>Taxus baccata</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			
	posh/pohu	<i>Parrotiopsis jacquemontiana</i>	tree			
		<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			
	Arkhori	<i>Rhus succedanea</i>	Tree			
	Junipers	<i>Juniperas recurva</i>	Tree			
	Birch	<i>Betula utilis</i>	Tree			
		<i>Potentilla</i>	Herb			
		<i>Primula</i>	Herb			
		<i>Anemone</i>	Herb			
		<i>Agrotis</i>	Herb			
		<i>Dactylis</i>	Herb			
	Junipers	<i>Juniperas recurva</i>	Shrub			
	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			
		<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>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>Rubus spp</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		
	Deodar	<i>Cedrus deodar</i>	Tree		
		<i>Populus ciliate</i>	Tree		
		<i>Fomes pinii</i>	Fungus		
		<i>Arceuthobium minutissimum</i>	Parasite		
	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>			
	Lonicera	<i>Lonicera japonica</i>			
	trikana	<i>Acer cesium</i>			
	Fir/ Budlu	<i>Abies pindrow</i>			
	Hundun	<i>Aesculus indica</i>			
	Deodar	<i>Cedrus deodara</i>			

	Hackberry/Kharak	<i>Celtis australis</i>				
	Akhroot	<i>Juglans regia</i>				
	Tul	<i>Morus nigra</i>				
	Poa	<i>Parrotiopsis jacquemontiana</i>				
	Spruce	<i>Picea smythiana</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>				
	Yew	<i>Taxus baccata</i>				
	Bren	<i>Ulmus wallichiana</i>				
	Champ	<i>Alnus nitida</i>				
	Kharsu	<i>Quercus semicarpifolia</i>				
	Mohru	<i>Quercus dilitata</i>				
	Tanji	<i>Pyrus pashia</i>				
	Chinar	<i>Platanus orientalis</i>				
	veer	<i>Salix alba</i>				

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: 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	Jungle crow	<i>Corvus macrorhynchos</i>	Birds	Forest/village	NA	Common
22	Koel	<i>Eudynamys scolopaceas</i>	Birds	Forest/village	NA	Common
23	Pariah kite	<i>Milvus migrans govinds</i>	Birds	Forest/village	NA	Common
24	Rufous backed shrike	<i>Lanius schach</i>	Birds	Forest/village	NA	Common
25	Rose ringed parakeet	<i>Psittacula krameri</i>	Birds	Forest/village	NA	Common
26	Rufous-streaked accentor	<i>Prunella himalayana</i>	Birds	Forest/village	NA	Common
27	Rufous trustle dove	<i>Streptopelia orientalis</i>	Birds	Forest/village	NA	Common
28	Scaly-bellied green wood-pecker	<i>Picus squamatus</i>	Birds	Forest/village	NA	Common
29	Slaty-headed parakeet	<i>Psittacula himalayana</i>	Birds	Forest/village	NA	Common
30	Snow partridge	<i>Larwa lerwa</i>	Birds	Forest	NA	Rare
31	Spotted dove	<i>Stigmatopelia chinensis</i>	Birds	Forest/village	NA	Common
32	Swallow	<i>Hirundo rustica</i>	Birds	Forest/village	NA	Common
33	Swift	<i>Apus apus</i>	Birds	Forest/village	NA	Common
34	White breasted kingfisher	<i>Halcyon omyrnensis</i>	Birds	Forest/village	NA	Common
35	White checked bulbul	<i>Pycnonotus leucogenys Leucogenys</i>	Birds	Forest/village	NA	Common
36	Yellow wagtail	<i>Motacilla flava</i>	Birds	Forest/village	NA	Common

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