

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti Neel- B

Taluk: Ramssoo

District:Ramssoo

State:J&K

Geographical Area of the Panchayat Samiti:5000 Kainal

Population under the Panchayat Samiti: Total 4800

Male 2800

Habitat and Topography:Rainfall

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation 05 Nov. 2019

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

Annexure 1

Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by the local body ; not less than one third to be women and not less than 18% belonging to SC/ST)

1) Name of the Chairperson: Ab. Rahim bali S/O Gh. Rasool

Age: 48yrs

Gender: Male

Address: Harwari Neel Pyt. Neel- B

Area of specialization: Agriculture

2) Name: Arimiana Begum W/O M. Iqbal Wani

Age: 30yrs

Gender: Female

Address: Harwari Neel Pyt. Neel- B

Area of specialization: Agriculture

3) Name: Ab. Hameid Naik

Age: 52yrs

Gender: M

Address: Sanigam Neel -B

Area of specialization: Agriculture

4) Name: Farooq Ahmed Naik

Age: 50 yrs

Gender: M

Address: Sanigam Neel -B

Area of specialization: Agriculture

5) Name: M. Afzal Naik

Age: 55 yrs

Gender: M

Address: Madnihall Neel -B

Area of specialization: Agriculture

6) Name: M. Iqbal Naik

Age: 60 YRS

Gender: Male

Address: Harwari Neel -B

Area of specialization: Agriculture

7) Name: Gh. Hussian Gujjar

Age: 45

Gender: M

Address: Harwari Neel -B

Area of specialization: Agriculture

Annexure-2

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

Name :Gh. Rasool Bali

Age:70 yrs

Gender:M

Address:Harwari Neel-B

Area of specialization:Agriculture

Location from which the person accesses biological material: Neel -B

Perception of the practitioner on the resource status:

Medicinal Use: Yes

Name: Ab. Rashid Malik S/O Ahmdullah Malik

Age:80 yrs

Gender:M

Address:Madinhal Neel -B

Area of specialization:Agriculture Health Care

Location from which the person accesses biological material: Neel-B

Perception of the practitioner on the resource status:

Medicinal Use: Yes

Name: Rahina BegumW/o Ab. Rehman wani

Age:60 yrs

Gender: M

Address: Harwari Neel -B

Area of specialization:Agriculture

Location from which the person accesses biological material: Neel -B

Perception of the practitioner on the resource status:

Medicinal Use: Yes

Annexure 3

List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and forestry

Name of the Chairperson: Shabir Kasim Bali

Age: 45 yrs

Gender: Male

Address: Harwari Neel -B

Area of specialization: Agriculture

Name of the Chairperson: M. Yousif Malik

Age: 75 yrs

Gender: Male

Address: Harwari Neel -B

Area of specialization: Agriculture

Name of the Chairperson: Mohd Yousif Shan

Age: 52 yrs

Gender: Male

Area of specialization: Agriculture

Name of the Chairperson: Ab. Majeed Malik

Age: 45 yrs

Gender: Male

Address: Harwari Neel -B

Area of specialization: Forester.

Annexure 4

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

Contact Person: Mohd Ashraf Sheikh

Name and Address: Harwari Neel -B

Contact Person: Mohd Yaseen Naik

S Harwari Neel -B

Contact Person: Showkat Bashir Naik

Name and Address: M\ S Chidoos

Contact Person: Javeed Ahmed

Name and Address: H\ S School Batoo

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 / Habitat	Approx. area shown	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Rice	<i>Oryza sativa</i>		Veliyan	Lowland valleys		Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases		Food Fodder Roofing Fuel	Provides more energy	Suitable for “Valicha” cultivation		Kurichiya Kuruma W. Chetty
Maize	<i>zea mays</i>		nak/kukri	Lowland valleys		Plenty	Plenty							
Wheat	<i>Triticumaestivum</i>		kanak	Lowland valleys		Plenty	Plenty							
Patato	<i>Solonum tubersaum</i>		Aloo	Lowland valleys		Plenty	Plenty							
Tomato	<i>solonum lycopercium</i>			Lowland valleys		Plenty	Plenty							

Rajma				Lowland valleys		Plenty	Plenty							
Pulses (Mash)	<i>vignanunga</i>			Lowland valleys		Plenty	Plenty							
Jao	<i>Ama sativa</i>			Lowland valleys										
Sarso	<i>Mustard</i>			Lowland valleys		Plenty	Plenty							

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, Aloocho	Mid hills to High hills			Govt. Nursery/ Private Registered Nry	Summer		<i>Fresh fruit,</i>		Farmer/ Department of Horticulture
Walnut	<i>Juglans regia</i>	Akhroot	Burzal, Kagzi, Local Selections	High hills			Govt. Nursery/ Private Registered Nry	Rainy		<i>Dry Fruit</i>		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

Format 3: Fodder Crops / Species

1	2	3	4	5	6	5		6	7	8	9	10	
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
Bajra	<i>Fennisetum glacicum</i>	Bajra		Sub-tropical, Semi-tropical & Temperate	3 Ha.	Local varieities	improved plenty varities		Kharief	leaves and stem	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
Banj	<i>Quercus incane</i>			Sub-tropical, Semi-tropical & Temperate		Rare	Rare						
Monu	<i>Quercus diliata</i>			Sub-tropical, Semi-tropical & Temperate		Rare	Rare						
Veer	<i>Salix alba</i>			Sub-tropical, Semi-tropical & Temperate		Rare	Rare						

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 & intermediate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbicides	Nil	Nil	No. TK with knowledge of weed
	<i>Commelina benghalensis</i>	Kaun Makki	Maize		Hilly and Temperate & intermediate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbicides	Nil	Nil	No. TK with knowledge of weed
	<i>Cyperus rotundus</i>	Dila	Maize		Hilly and Temperate & intermediate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbicides	Nil	Nil	No. TK with knowledge of weed
	<i>Digera arvensis</i>	Tandla	Maize		Hilly and Temperate & intermediate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbicides	Nil	Nil	No. TK with knowledge of weed
	<i>Acrachne racemosa</i>	makra	Maize		Hilly and Temperate & intermediate ar of district	No weed management	Weed mgmt. on scientific lines being followed by farmers		Manual control/ chemical management through herbicides	Nil	Nil	No. TK with knowledge of weed

	Chenopodium album	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
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Wheat	Chenopodium album	Bathua	Wheat		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	of protein vitamin A, Calcium , Potasssium & Phosphorou	local	No. TK with knowledge of weed
	Avena Fatua	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
	Phlalaris Minor	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	Parthenimum hysterochorous	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
	Vicia hirsua	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

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>Helicoverpa 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
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
4800	FARMERS	LABOURS		NIL	NIL	NIL	OC	AREA	

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
 Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc
 How the community manages the landscapes they use for satisfying different needs, their strategies and perception
 How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc

Format 8: Landscape

Format 8: Landscape															
		1			2	3	4	5	6	7	8	9	10	11	12
		Major Landscapes			Sub - Landscapes	Features and approx. Area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
S. No.	PBR ID	Agricultural land	Pond	Fallow Land											
1	LRBN004	Forest Land			Forest Land	20%	Govt/Private	Wild plantation	Insect and Amphibian	Unknown	Unknown				
2	LRBN001	Cultivated land			Cultivated land	55%	Agriculture Land is privately owned.	Plant. Some wild plant	Insect	Nil	Unknown				Low income communitites
3	LRBN002	Non-Cultivated Land			Non-Cultivated Land	25%	Govt/Private	Plant. Some wild plant	Insect	Available for farming cattle rearing. Rat catching	Unknown				Low income communitites
4	LRBN006	Grazing land			Grazing land	20%	Private	Plant. Some wild plant	Insect	Unknown	Unknown				Low income communitites
5	LRBN003	Irregated Land			Irregated Land	0%	Government	Wild Plant	Insect and Amphibian	Unknown	Unknown				Low income communitites
6	LRBN005	Non-Irregated Land			Non-Irregated Land	55%	Government	Wild Plant	Insect and Amphibian	Unknown	Unknown				Low income communitites
Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements															

Format 9: Waterscape

		1	2	3	4	5	6	7	8	9	10	11	12	13
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	WRBN001	Stream	Harkote		Govt under Land and revenue Dept. and Panchayat	Mostly Bryophytes and Pteridophytes	Amphibians	Daily Household and drinking	All the People of the area	Traditional management practices for strengthening of bunds and deepning of tanks beds.	For Drinking, washing clothes	Unknown	Unknown	General people of village
2	WRBN002	Canals	Harkote to Neel		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
3	WRBN003	Nalas	Harwardi		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
4	WRBN004	Khads	Halla		Gram Panchayat	Mostly Bryophytes and Pteridophytes	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 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			
Sandy	Yellow	Sandy soil can hold lot of air but can not hold water & also have very less nutrients.		Maize, Millets, Barley, Jowar etc			
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 DOMESTICATED BIODIVERSITY

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, Florida sum, FloridaPrenice	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	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	Juglansrejia	Akhroot	Burzal, Kagzi, Local Selections	High hills	-	-	Govt. Nursery/ Private Registered Nry	Rainy	-	Dry Fruit		Farmer/ Department of Horticulture
Pecannut	Caryaillinoensis	Pacannut	Stuart, Western Shelley, Descrable	Mid hills	-	-	Govt. Nursery	Rainy	-	Dry Fruit		Farmer/ Department of Horticulture
Quince	Cydoniaoblonga	Bahie	Iraniam, Kashmiri Mumm	High hills	-	-	Govt. Nursery/ Private Registered Nry	Rainy	-	Dried fruits/ seeds		Farmer/ Department of Horticulture
Olive	Oleaeuropea	Zaitoon	Carolea, CoratinaFrontoio,	Mid hills	-	-	Govt. ACHD Ramban	Rainy	-	Oil		Farmer/ Department of Horticulture
Lime	Citrus aurantifolia	Nimboo	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
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
						Past	Present				
Herb	Agg jari	<i>Saxifraga jacquemontiana</i>	Local	alt. 4000-5000m/Temperate	seeds	Rare	Rare	Kidney Stones			
Herb	Gadikan/Ban tambaku	<i>Verbascum Thapsus</i>	Local	1600-3000m/ Temperate	seeds	abundant	rare	Antirheumatic, Astringent,demulcent & Emollient, wound Healing	Leaves	Antirheumatic	
Herb	Banafsha	<i>Viola odorata</i>	Local	1500-3000m/ Temperate	seeds and runners	abundant	abundant	Cough,Cold, Bronchitis, headache,	flower	cough , Cold and Fever	
Herb	Wan wangoun/Bankakdi/Himalayan May Apple	<i>Podophyllum hexandrum</i>	Local	Alt.2000-4000m/ Temperate	seeds and roots stocks	Rare	Critically endangered	Cancer, Gonorhea' Tyohoid fever, vermifuge	Rhizomes and Roots		
Herb	Belladonna/Deadlt Night shade	<i>Atropa belladonna</i>	Local	2000-3500m/ Temperate	seeds	rare	rare	anticholinergic and antispasmodic,irritable bowl syndrome,eye drops	All parts of the plant	Pain reliever,antiinfl amatory	
Herb	Bhang	<i>Cannabis sativa</i>	Local	cosmopolitan/ Temperate	seeds	abundant	abundant	Hempseed oil,Hallocinogenic, sedative,Analgesic, Anti- inflammatory, piles	All parts of the plant	Psychoactive	
Shrub	Chalander/Kulmach	<i>Viburnum grandiflorum</i>	Local	1500-4000m/ Temperate	seeds	abundant	abundant	seeds are Digestive and expectorant	seeds		

Herb	Choorā	<i>Angelica glauca</i>	Local	1800-3700m/ Temperate	seeds and roots	rere	rare	aromatic	Root	snake removal	
Herb	Chukri/ Pambtsalan	<i>Rheum austral</i>	Local	3200-4000m/ Temperate	seeds	rare	endangered	antisposmodic, antotumour, cholagogue, astringent, gallblader problems etc	Root		
Creepers	Chuku/Changeri	<i>Oxalis corniculata</i>	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	<i>Rhodiola himalensis</i>	Local	3600-4500m/ Temperate	seeds	rare	Rare	Reduce fatigue , depression and anxiety, altitude sickness	all parts of the plant		
Herb	Ephedra	<i>Ephedra gerardiana</i>	Local	2400-5000m/ Temperate	seeds	rare	rare	Cold, coughs, asthma, arthritis			
Herb	Guggal	<i>Jurinea dolomiaea</i>	Local	1600-4000/ Temperate	Seeds	Rare	rare	decoction of root is cordial, treatment of fevers, etc			
Herb	Handh	<i>Taraxacum officinale</i>	Local	Everywhere/ Temperate	seeds and roots	abundant abundant		Diuretic, hepatic, Laxative, Cholagogue, antibiotic, against yeast infection etc	Roots and leaves		
Herb	Hillu	<i>Impatiens glandulifera</i>	Local	1800-3000m/ Temperate	Seeds	rare	rare	relieving Anxiety and stress	whole plant		
Shrub	Kaimal/kawdachh	<i>Berberis lyceum</i>	Local	1500-3500/ Temperate	Seeds	Abundant	abundant	remedy for swollen and sore eyes, broken bones, diaphrotic and febrifuge etc	whole plant		
Herb	Kahzaban	<i>Arnebia benthami</i>	Local	3000-4500m/ Temperate	Seeds	rare	rare	tongue and throat diseases, stimulant , diuretic, expectorant, antipyra- tic	whole plant	throat diseases, fever	

Herb	Kalishadi	<i>Daphne oleoides</i>	Local	1700-2300/ Temperate	Seeds	rare	rare	treatment of cutaneous infections, gonorrhoea	bark and leaves		
Shrub	Kanhaji	<i>Sorbaria tomentosa</i>	Local	1800-2700m/ Temperate	Seeds, cuttings, Suckers	rare	rare	Asthma	Fruits and Stems		
Herb	Kim	<i>Morina longifolia</i>	Local	1600-2500m/ Temperate	Seeds	rare	rare	stomic disorders and indigestion and emetic			
Herb	Kinns	<i>Dioscorea deltoidea</i>	Local	2000-3200mv	Tubercles, Bulbulis	rare	rare	ophthalmi infections, treayment of ,roundworms , progestron, Contraceptives,	Roots, tubers		
Herb	Kour	<i>Picrorhiza Kurrooa</i>	Local	2700-4500/ Temperate	seeds & Rhizome	rare	extinct	all forms of liver damage, against hapatitis c, wound healng, asthma,	Rhizome		
Herb	Kuth	<i>Saussurea lappa</i>	Local	2500-300m/ Temperate	seed/root	rare	c.endangered	Carminitive , aphrodisitic, antihelimenthic, headaches, asthma, paralyssis, diseases of liver and kidney etc	Root		
Shrub	Mori	<i>Delphinium roylei</i>	Local	2000-3500m/ Temperate	seeds	rare	rare	sedative, prenention of intestinal worms, & insomnia etc	leaves		
Herb	Mulam	<i>Inula royeleana</i>	Local	3100-4000m/ Temperate	seeds			fall in blood pressure, peristalic movements of intestines	root		
Herb	Murma	<i>Valeriana dubia</i>	Local	1500-3500m/ Temperate	Seeds and roots			Nervous disorders, insomnia, prevention in menstrual disorders	Root and Rhozome		
Herb	Nag Rus/sweet flag	<i>Acorus calamus</i>	Local	1500-4000m/ Temperate	Rhizome	rare	rare	Gastrointestinal disease	Rhizome	Digetive disorders and pain	

Herb	Neel Kanth/Bugle	<i>Ajuga bracteosa</i>	Local	700-4000m/ Temperate	seed	rare	rare	Gastric problems, abdominal pain, substitute for quinine	Leaves		
Herb	Nichni	<i>Rhododendron campannalatum</i>	Local	3000-4500/ Temperate	seeds, Stem cutting	rare	rare	olds and headaches, rheumatism, sciatica, syphilis	leaves	Heerbal tea	
Herb	Patish	<i>Aconitum heterophyllum</i>	Local	2000-3000m/ Temperate	Seeds	rare	rare	Antidote for Snake bite	Root		
Tree	Postul	<i>Taxus baccata</i>	Local	1800-3300m/ Temperate	seeds	rare	rare	Anticancer Drugs	bark		
Herb	Sapp Google	<i>Arisaema flavum</i>	Local	3500-4000m/ Temperate	Seeds	rare	rare	Expectorent,tetanus,epilepsy ets	whole plant		
Herb	Shemar	<i>Desmodium elegans</i>	Local	1200-4000m/ Temperate	Seeds	rare	rare	Cholera and peptic ulcers	root and bark		
Herb	Sheshak	<i>Rhabdosia rugosa</i>	Local	1500-3500m/ Temperate	Seeds	rare	rare	insecticide and vemicide, peptic ulcers prostrate cancer etc	whole plant		
Shrub	Shutenger	<i>Rhododendren anthopogon</i>	Local								
Herb	Suchal	<i>Malva neglecta</i>	Local	1500-4000/ Temperate	seeds	abundant	abundant	antiphlogistic , astringemt, laxative, leaves and floerss can be eaten as a diet	All parts of the plant	digestive disorders and laxative	
Herb	Tatnu	<i>Caltha palustris</i>	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	<i>Trillium govaniunum</i>	Local	2500-4000m/ Temperate	seeds and rhizome	rare	rare	formation of steroids and sex hormones	Rhizome	Aphrodisic	
Herb	Soi	<i>Urtica dioica</i>	Local	everywhere/ Temperate	Seeds	abundant	abundant	arthritis,, prostatic hyperplasia, to ntreat urinary problems	Leaves and stem	Arthritis	
Herb	Crown lily	<i>Fritillaria imperialis</i>	Local	2000-3000m/ Temperate	Bulb	rare	rare	Expectorent, increases brest milk	Bulb		
Herb	Datur	<i>Datura strimonium</i>	Local	1400-2500m/ Temperate	Seeds	Abundant	abundant	Antispasmodic,antihelmenthi c, aanti-inflammatory	seeds m Root and fruit	Antispasmodic	
herb	Wan jawain	<i>Thymus linearis</i>	Local	2000-4000m/ Temperate	seeds	abundant	abundant	Antispasmodic, gastrointestinal problems,repiratory disorders and many more	Seeds		
Herb	Kasrod	<i>Diplazium esculentum</i>	Local	1700-3500m/ Temperate	rhizome and spores	abundant	abundant	Laxative, treatment of Cough etc	FronDs, Rhizomes	eating	
Herb	Waenie	<i>Pteris vitata</i>	Local	1500-3500/ Temperate	Rhizomes and spores	abundant	abundant	Dysentry	fronds		
Herb	Mid-posh/ peony	<i>Peonia officinale</i>	local	1500-4000m/ Temperate	Roots and Rhizomes	abundant	rare	Osteoarthritis, menstrual problems, respiratory tract problems	roots		
Herb	Fakil	<i>Ferula communis</i>	local	1800-2500m// Temperate	seeds	Abundant	rare	antidiabetic, antiproliferative, Antimicrobial.	Seeds		
Tree	Arkhol/Rhus	<i>Rhus toxicodendron</i>	local	2000-3500m/ Temperate	Seeds	Rere	Rare	Treatmentof Flu, cramps , Strains,restlessness leg syndrome	Bark and Seeds		

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
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>Ulmus 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	Fir/ Budlu	<i>Abies pindrow</i>	Temperate	Abundant	Rare	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	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	Spruce	<i>Picea smythiana</i>	Temperate	Abundant	Rare	Wild	Own	Nil	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	Yew	<i>Taxus baccata</i>	Temperate	Rare	Rare	Wild	Own	Cancer drugs	Nil	Generally, held by community
Trees	Birch	<i>Betula utilis</i>	Temperate	Rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Trees	Champ	<i>Alnus nitida</i>	Temperate	rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Trees	Kharsu	<i>Quercus semicarpifolia</i>	Temperate	Rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Trees	Banj	<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	Urni	<i>Corylus colurna</i>	Temperate	rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Trees	Tanji	<i>Pyrus pashia</i>	Temperate	Rare	Rare	Wild	Commercialn	Nil	Nil	Generally, held by community

Trees	veer	<i>Salix alba</i>	Temperate	Abundant	Abundant	home gardens	Commercial	Nil	Nil	Generally, held by community
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Format 16: Culture Fisheries

1	2	3	4	5	6	7		8	9	10	11	12
Fish Type	Local Name	Scientific Name	Variety	Culture/ Capture	Features	Waterscape (pond/bheri/talao)	Local status	Commercial rearing	Uses	Associated TK	Commercial rearing	Other details
Rainbow Trout	Trout	Oncorhynchus mykiss/ Salmo gairdneri	Exotic	Culture	Rainbow Trout have an elongated, laterally compressed body with rounded snout. Which becomes extend and the lower jaw turns up in breeding males as is common with other salmonides Adult fish with reddish stripe along the lateral line	Snow fed rivers & streams & raceways	Due to continuous stocking programmes by the Deptt. of Fisheries and extension activities in the Pvt. Sector. The fish is now available both naturally & is also cultured locally	Yes				Breeding period Dec to Feb, Feeds on natural and artificial foods. Mode of catching – Cast Net and Drag Net

Note: Other details include mode of catching fish, time of availability, breeding time, feeds and etc

13
Community Know. Holders
Deptt. & Local farmers

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					
Herbs	Bladder Campion	<i>Silene vulgaris</i>	Herb	Lesser Himalayas	Abundant	Abundant	Own Use			Nil	Generally held by the community
Herbs	Burdock	<i>Arctium lappa</i>	Herb	Lesser Himalayas	Abundant	Abundant	Own Use			Nil	Generally held by the community
Herbs	Cinquefoil	<i>Potentilla argyrophylla</i>	Herb	Lesser Himalayas	Abundant	Abundant	Own Use			Nil	Generally held by the community
Herbs	Crame's bill flower	<i>Geranium pratense</i>	Herb	Lesser Himalayas	Abundant	Abundant	Own Use			Nil	Generally held by the community
Herbs	Dandelion	<i>Taraxacum officinale</i>	Herb	Lesser Himalayas	Abundant	Abundant	Own Use	leaves and root	Medicinal plant	Nil	Generally held by the community
Herbs	Darnel grass	<i>Lolium temulentum</i>	Herb	Lesser Himalayas	Abundant	Abundant	Own Use			Nil	Generally held by the community
Herbs	Granny's Bonnet	<i>Aquilegia fragrans</i>	Herb	Lesser Himalayas	Rare	Rare	Own Use	whole plant		Nil	Generally held by the community
Herbs	Groundsel	<i>Senecio</i>	Herb	Lesser Himalayas	Rare	Rare	Own Use		Medicinal plant	Nil	Generally held by the community
Herbs	Helleborine	<i>Epipactis latifolia</i>	Herb	Lesser Himalayas	rare	Rare	Own Use			Nil	Generally held by the community
Herbs	Helleborine Orchid	<i>Epipactis wallichii</i>	Herb	Lesser Himalayas	Rare	Rare	Own Use			Nil	Generally held by the community
Herbs	Larkspur	<i>Delphinium vestitum</i>	Herb	Lesser Himalayas	rare	rare	Own Use			Nil	Generally held by the community
Herbs	May Apple	<i>Podophyllum hexandrum</i>	Herb	Lesser Himalayas	rare	rare	Own Use	root and fruits	Medicinal plant	Nil	Generally held by the community
Herbs	Mountain Sorrel	<i>Oxyria digyna</i>	Herb	Lesser Himalayas	Rare	rare	Own Use			Nil	Generally held by the community
Herbs	Nepal Cinquefoil	<i>Potentilla nepalensis</i>	Herb	Lesser Himalayas	Abundent	Abundant	Own Use			Nil	Generally held by the community
Herbs	Red Clover	<i>Trifolium pretense</i>	Herb	Lesser Himalayas	Abundent	Abundent	Own Use			Nil	Generally held by the community

Herbs	Sun Spurge,	<i>Euphorbia helioscopia</i>	Herb	Lesser Himalayas	Abundent	Abundent	Own Use	whole plant	Medicinal plant	Nil	Generally held by the community
Herbs	Wallich's Willow Herb	<i>Epilobium wallichianum</i>	Herb	Lesser Himalayas	rare	rare	Own Use			Nil	Generally held by the community
Herbs	Wild Strawberry	<i>Fragaria nubicola</i>	Herb	Lesser Himalayas	Abundent	Abundent	Own Use	roots and fruit		Nil	Generally held by the community
Tree	Pohu	<i>Parrotiopsis jacquemontiana</i>	Tree	Lesser Himalayas	Abundent	Abundent	Own Use	twigs	For making Kangris & Baskets	Nil	Generally held by the community
Tree	Walnut	<i>Juglans regia</i>	Tree	Lesser Himalayas	Abundent	Abundent	Commercial	fruit,bark, stem		Nil	Generally held by the community
	Hum	<i>Fraxinus excelsa</i>	Tree	Lesser Himalayas	rare	rare	Own Use	stem		Nil	Generally held by the community
	Morhu	<i>Quercus dilatata</i>	Tree	Lesser Himalayas	Abundent	rare	Own Use	stem		Nil	Generally held by the community
	Heru	<i>Quercus ilex</i>	Tree	Lesser Himalayas	Abundent	rare	Own Use	stem		Nil	Generally held by the community
Herbs	Banafsha	<i>Viola canescens</i>	Herb	Lesser Himalayas	Abundent	Abundent	Own Use	flowers		Nil	Generally held by the community
Herbs	Wild Strawberry	<i>Fragaria vesica</i>	Herb	Lesser Himalayas	rare	rare	Own Use	fruit		Nil	Generally held by the community
Grass	Gebo grass	<i>Oryzopsis aquiglumis</i>	Grass	Lesser Himalayas	rare	rare	Own Use	fruit		Nil	Generally held by the community
Tree	Kail	<i>Pinus wallichiana</i>	Tree	Lesser Himalayas	Abundent	Abundent	Own Use	Stem		Nil	Generally held by the community
Tree	Spurce	<i>Picea smithiana</i>	Tree	Lesser Himalayas	Abundant	rare	Own Use	Stem		Nil	Generally held by the community
	Fir	<i>Abies pindrow</i>	Tree	Lesser Himalayas	Rare	rare	Own Use	Stem		Nil	Generally held by the community
Tree	Yew	<i>Taxus baccata</i>	Tree	Lesser Himalayas	rare	rare	Own Use	Stem		Nil	Generally held by the community
Bush		<i>Sambucus ebulus</i>	Shrub	Lesser Himalayas	rare	Rare	Own Use			Nil	Generally held by the community
Shrub		<i>Skimmia laurea</i>	Shrub	Lesser Himalayas	rare	Rare	Own Use			Nil	Generally held by the community
Herb	Wanwangun	<i>Podophyllum hexandrum</i>	Herb	Lesser Himalayas	Rare	Rare	Own Use	root and fruits	Medicinal plant	Nil	Generally held by the community
Herb		<i>Viola spp</i>	Herb	Lesser Himalayas	Rare	Rare	Own Use	flowers		Nil	Generally held by the community

Herb		<i>Anemone spp</i>	Herb	Lesser Himalayas	rare	rare	Own Use	seeds , root, fruit	Medicinal plant	Nil	Generally held by the community
Herb		<i>Phytolaca spp</i>	Herb	Lesser Himalayas	rare	rare	Own Use	whole plant		Nil	Generally held by the community
Tree	Arkhor	<i>Rhus succedenea</i>	Tree	Lesser Himalayas	rare	rare	Own Use		Medicinal plant	Nil	Generally held by the community
Tree	Junipers	<i>Juniperas recurva</i>	Tree	Lesser Himalayas	abundant	Abundant	Own Use			Nil	Generally held by the community
Tree	Birch	<i>Betula utilis</i>	Tree	Lesser Himalayas	Rare	Rare	Own Use	stem	paper making	Nil	Generally held by the community
Herb		<i>Potentilla</i>	Herb	Lesser Himalayas	Abundant	Abundant	Own Use			Nil	Generally held by the community
Herb		<i>Dactylis</i>	grass	Lesser Himalayas	Abundant	Abundant	Own Use			Nil	Generally held by the community
Shrub	Junipers	<i>Juniperas recurva</i>	Shrub	Lesser Himalayas	rare	rare	Own Use			Nil	Generally held by the community
Trees	Ban oak	<i>Quercus leucotrichophora</i>	Tree	Lesser Himalayas	rare	rare	Own Use	stem		Nil	Generally held by the community
Trees	Maru Oak	<i>Quercus dilalata</i>	Tree	Lesser Himalayas	Abundant	rare	Own Use	stem		Nil	Generally held by the community
Tree	Kharsu Oak	<i>Quercus semecarpifolia</i>	Tree	Lesser Himalayas	Tree	rare	Own Use	stem		Nil	Generally held by the community
Trees		<i>Alnus nepalensis</i>	Tree	Lesser Himalayas	Rare	rare	Commercial	stem		Nil	Generally held by the community
Trees	Bremij	<i>Caltis australis</i>	Tree	Lesser Himalayas	Abundant	rare	Commercial	stem		Nil	Generally held by the community
Shrub		<i>Dabregeasia hypoleuca</i>		Lesser Himalayas	rare	rare	Own Use			Nil	Generally held by the community
Shrub		<i>Berberis sps</i>		Lesser Himalayas	Abundant	Abundant	Own Use	roots and fruit	Medicinal plant	Nil	Generally held by the community
Shrub	Solai	<i>Plectranthus rogosus</i>		Lesser Himalayas	Abundant	Abundant	Own Use			Nil	Generally held by the community
Shrub		<i>Daphne cannabina</i>		Lesser Himalayas	Abundant	abundant	Own Use			Nil	Generally held by the community
Shrub	Warze	<i>Zizyphus jujube</i>		Lesser Himalayas	abundant	abundant	Own Use	fruit		Nil	Generally held by the community
Shrub		<i>Punica granatum</i>		Lesser Himalayas	rare	rare	Own Use	fruit		Nil	Generally held by the community
Herb		<i>Fragaria vesca</i>		Lesser Himalayas	Abundant	Abundant	Own Use			Nil	Generally held by the community

Herb		<i>Girardinia heterophylla</i>		Lesser Himalayas			Own Use			Nil	Generally held by the community
Climber		<i>Jasminum humile</i>	Climber	Lesser Himalayas	rare	rare	Own Use		ornamental	Nil	Generally held by the community
Climber		<i>Vitis spp</i>	Climber	Lesser Himalayas	Abundant	rare	Own Use	fruit		Nil	Generally held by the community
Trees		<i>Aesculus indica</i>	Trees	Lesser Himalayas	Abundant	rare	Own Use	stem and fruit		Nil	Generally held by the community
Trees	Champ	<i>Alnus nitida</i>	Trees	Lesser Himalayas	Abundant	rare	Own Use			Nil	Generally held by the community
Trees		<i>Ulmus wallichiana</i>	Trees	Lesser Himalayas	rare	rare	Commercial	stem		Nil	Generally held by the community
Trees	Tanji	<i>Pyrus pashia</i>	Trees	Lesser Himalayas	Abundant	rare	Commercial	stem		Nil	Generally held by the community
Trees	Urni	<i>Corylus colurna</i>	Trees	Lesser Himalayas	rare	rare	Own Use	stem		Nil	Generally held by the community
Trees		<i>Cederella spp</i>	Trees	Lesser Himalayas			Own Use	stem		Nil	Generally held by the community
Trees		<i>Indigofera pulchella</i>		Lesser Himalayas	rare	rare	Own Use			Nil	Generally held by the community
Trees		<i>Prinsepia utilis</i>		Lesser Himalayas	rare	rare	Own Use			Nil	Generally held by the community
Herbs		<i>Rumex hastatus</i>		Lesser Himalayas	Abundant	Abundant	Own Use	Root		Nil	Generally held by the community
Herbs		<i>Atropa belladonna</i>		Lesser Himalayas	Rare	rare	Own Use	whole plant	Medicinal plant	Nil	Generally held by the community
Tree		<i>Salix spp</i>		Lesser Himalayas	Abundant	Abundant	Commercial	stem		Nil	Generally held by the community
Tree	Deodar	<i>Cedrus deodar</i>		Lesser Himalayas	Abundant	Abundant	Own Use	whole plant		Nil	Generally held by the community
Tree		<i>Populus ciliate</i>		Lesser Himalayas	Abundant	rare	Commercial	stem		Nil	Generally held by the community
Fungus		<i>Fomes pinii</i>		Lesser Himalayas	Rare	rare	Own Use			Nil	Generally held by the community
Parasite		<i>Arceuthobium minutissimum</i>		Lesser Himalayas	Rare	rare	Own Use			Nil	Generally held by the community

Format 19: Wild Plant Species of Importance

2	3	4	5	6
Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
Agg jari	<i>Saxifraga jacquemontiana</i>	Local	Kidney Stones	Endangered
Gadikan/Ban tambaku	<i>Verbascum Thapsus</i>	Local	Antirheumatic, Astringent, demulcent & Emollient, wound Healing	Rare
Banafsha	<i>Viola odorata</i>	Local	Cough, Cold, Bronchitis, headache,	Threatened
Wan wangoun	<i>Podophyllum hexandrum</i>	Local	Cancer, Gonorrhea, Typhoid fever, vermifuge	C. Endangered
Belladonna/Deadly Night shade	<i>Atropa belladonna</i>	Local	anticholinergic and antispasmodic, irritable bowel syndrome, eye drops	Endangered
Bhang	<i>Cannabis sativa</i>	Local	Hempseed oil, Hallucinogenic, sedative, Analgesic, Anti-inflammatory, piles	Abundant
Bhutyata	<i>Corydalis govaniiana</i>	Local	Antidote, Febrifuge, Vermifuge, anti-inflammatory, Syphilis	Endangered
Blue poppy	<i>Meconopsis aculeata</i>	Local	analgesic and febrifuge,	Endangered
Metha Kafal	<i>Phytolacca acinosa</i>	Local	urinary disorders, nephritis, abdominal distension, boils and sores, antiasthmatic, antifungal, vermifuge etc	Threatened
Chalander/Kulmach	<i>Viburnum grandiflorum</i>	Local	seeds are Digestive and expectorant	Abundant
Chooraa	<i>Angelica glauca</i>	Local	aromatic	Endangered
Chukri/ Pambtsalan	<i>Rheum austral</i>	Local	antispasmodic, antitumor, cholagogue, astringent, gallbladder problems etc	Endangered
Chuku/Changeri	<i>Oxalis corniculata</i>	Local	source of vit-c, Scurvy, Influenza	Abundant

Dand jari	<i>Rhodiola himalensis</i>	Local	Reduce fatigue , depression and anxiety, altitude sickness	Endangered
Dhad Kopdi	<i>Bergenia Stracheyi</i>	Local	Kidney stones,gastrointestinal disorders, antifungal, antibacterial activities, anti-ulceeretc	Rare
Ephedra	<i>Ephedra gerardiana</i>	Local	Cold, coughs, asthma, arthritis	Endangered
Feku	<i>Ficus palmate</i>	Local	Fruit is demolescent,laxative, used in diseses of lungs and bladder.	Threatened
Gaddo	<i>Salvia moorcroftiana</i>	Local	treatment of colds and cougs, dysentery, colic and boils, dressing for wounds	Abundant
Guggal	<i>Jurinea dolomiaea</i>	Local	decoction of root is cordial, treatment of fevers, etc	Threatened
Gul-e-snohar	<i>Geranium wallichianum</i>	Local	Peptic ulcers and Tooth aches, to stem the bleeding cuts.	Threatened
Hamesh bahar	<i>Calendula officinalis</i>	Local	Antiviral, antiinflammatory, Antiseptic, healing faster, relieving diaper rash	Threatened
Handh	<i>Taraxacum officinale</i>	Local	Diuretic, hepatic, Laxative,Cholagogue, antibiotic, against yeast infecrion etc	Abundant
Hillu	<i>Impatiens glandulifera</i>	Local	relieving Anxiety and stress	Rare
Jarjam	<i>Sanecio chrysanthemoides</i>	Local		Endangered
Kaimal/kawdachh	<i>Berberis lyceum</i>	Local	remedy for swollen and sore eyes, broken bones, diaphrotic and febrifuge etc	Abundant
Kahzaban	<i>Arnebia benthami</i>	Local	tongue and throat diseases, stimulant , diuretic,expectorent,antipyritic	Endangered
Kalishadi	<i>Daphne oleoides</i>	Local	treatment of cutaneous infections, gonorrhoea	Endangered
Kanhaji	<i>Sorbaria tomentosa</i>	Local	Asthma	Rare
Kareel Kaimbul/Chownphal/Simlu	<i>Berberis aristata</i>	Local	treatment of eye and skin diseases,malaria,diarroheeea, antibacterial effects, jaundice,dysentry	Abundant
Kim	<i>Morina longifolia</i>	Local	stomic disorders andindigestion and emetic	Threatened

Kinns	<i>Dioscorea deltoidea</i>	Local	ophthalmi infections, treayment of ,roundworms , progestron,Contraceptives,	Endangered
Kour	<i>Picrorhiza Kurrooa</i>	Local	all forms of liver damage, against hapatitis c, wound healng,asthama,	C.Endangered
Kuppad jari	<i>Sedum ewersii</i>	Local	remedy for ringworm,treatment of ulcers warts ,rashes, also act as laxative and diuretic	Threatened
Kuth	<i>Saussurea lappa</i>	Local	Carminitive , aphrodistic,antihelimenthic, headaches, asthma,paralysiss, diseases of liver and kidney,etc	C.Endangered
Maiden Hair	<i>Adiantum Venustum</i>	Local	Emmetic, diuretic,headaches scorpion stings, cuts and wounds	Abundant
Mooin	<i>Artemisa maritime</i>	Local	Antihelimenthic, antispasmodic, Vermifuge.	Rare
Mori	<i>Delphinium roylei</i>	Local	sedative, prentention of intestinal worms, & insomnia etc	Rare
Mulam	<i>Inula royeleana</i>	Local	fall in blood pressure, peristalic movements of intestines	Endangered
Murma	<i>Valeriana dubia</i>	Local	Nervous disorders, insomnia,prevention in menstrual disorders	Endangered
Nag Rus/sweet flag	<i>Acorus calamus</i>	Local	Gastrointestinal disease	Threatened
Neel Kanth/Bugle	<i>Ajuga bracteosa</i>	Local	Gastric problems, abdominal pain, substitute for quinine	Endangered
Nichni	<i>Rhododendron campannalatum</i>	Local	olds and headaches, rheumatism, sciatica, syphilis	Threatened
Patish	<i>Aconitum heterophyllum</i>	Local	Antidote for Snake bite	Endangered
Postul	<i>Taxus baccata</i>	Local	Anticancer Drugs	C.Endangered
Sapp Google	<i>Arisaema flavum</i>	Local	Expectorent,tetanus,epilepsy ets	Endangered
Shemar	<i>Desmodium elegans</i>	Local	Cholera and peptic ulcers	N.A
Sheshak	<i>Rhabdosia rugosa</i>	Local	insecticide and vemicide, peptic ulcers prostrate cancer etc	Rare

Shutenger	<i>Rhododendren anthopogon</i>	Local		threatened
Suchal	<i>Malva neglecta</i>	Local	antiphlogistic , astringemt, laxative, leaves and floerss can be eaten as a diet	Abundant
Tatnu	<i>Caltha palustris</i>	Local	antispasmodic, diaphrotic,antirheumatic, expectorent,, poltice of boils and sores etc	Rare
Nag chatri	<i>Trillium govanium</i>	Local	formation of steroids and sex hormones	C.Endangered
Soi	<i>Urtica dioica</i>	Local	arthritis,, prostatic hyperplasia, to ntreat urinary problems	Abundant
Crown lily	<i>Fritillaria imperialis</i>	Local	Expectorent, increases brest milk	Endangered
Datur	<i>Datura strimonium</i>	Local	Antispasmodic,antihelimenthic, aanti-inflammatory	Abundant
Kasrod	<i>Diplazium esculentum</i>	Local	Laxative, treatment of Cough etc	Abundant
Waenie	<i>Pteris vitata</i>	Local	Dysentery	Abundant
Mid-posh/ peony	<i>Peonia officinale</i>	Local	Osteoarthritis, menstrual problems, respiratory tract problems	Rare
Fakil	<i>Ferula communis</i>	Local	antidiabetic, antiproliferative, Antimicrobial.	Abundant
Arkhol/Rhus	<i>Rhus toxicodendron</i>	Local	Treatmentof Flu, cramps , Strains,restlessness leg syndrome	Endangered
Mazarmund	<i>Iris Kashmiriana</i>	Local	Arthritis	Threatened
Kandoor	<i>Metticia stutheoterus</i>	Local	Used as vegetable	Abundant

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				
	<i>Lemna</i>	local		Streams,springs & ponds	Abundant	Abundant	N.A	N.A	N.A	Unknown
	<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
Nag babbaer	<i>Nasturtium</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
	Duckweed	<i>Lemna minor</i>	local	blocked nose & inflammation	
	Rootless duckweed	<i>Wolffia arrhiza</i>	local	Fish farming and water purification	
		<i>Azolla</i>	local	Fodder for ducks ,chicken	
	Arum arrow	<i>Peltandra virginia</i>	local		

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	<i>Saxifraga jacquemontiana</i>	Local	alt. 4000-5000m/Temperate	seeds	Rare	Rare	Kidney Stones			
Herb	Gadikan/Ban tambaku	<i>Verbascum Thapsus</i>	Local	1600-3000m/Temperate	seeds	abundant	rare	Antirheumatic, Astringent, demulcent & Emollient, wound Healing	Leaves	Antirheumatic	
Herb	Banafsha	<i>Viola odorata</i>	Local	1500-3000m/Temperate	seeds and runners	abundant	abundant	Cough, Cold, Bronchitis, headache,	flower	cough , Cold and Fever	
Herb	Wan wangoun	<i>Podophyllum hexandrum</i>	Local	Alt.2000-4000m/Temperate	seeds and roots stocks	Rare	Critically endangered	Cancer, Gonorhea' Tyohoid fever, vermifuge	Rhizomes and Roots		
Herb	Belladonna/Deadlt Night shade	<i>Atropa belladonna</i>	Local	2000-3500m/Temperate	seeds	rare	rare	anticholinergic and antispasmodic, irritable bowl syndrome, eye drops	All parts of the plant	Pain reliever, antiinflam atory	
Herb	Bhang	<i>Cannabis sativa</i>	Local	cosmopolitan/Temperate	seeds	abundant	abundant	Hempseed oil, Hallocinogenic, sedative, Analgesic, Anti-inflammatory, piles	All parts of the plant	Psychoactive	
Herb	Bhutyata	<i>Corydalis govaniana</i>	Local	1500-4000m/Temperate	seeds	rare	rare	Antidote, Febrifuge, Vermifuge , anti- inflammatory, Syphilis	Root		
Herb	Blue poppy	<i>Meconopsis aculeata</i>	Local	1500-3500m/Temperate				analgesic and febrifuge,			
Herb	Metha Kafal	<i>Phytolacca acinosa</i>	Local	1500-3000m/Temperate	seeds	rare	rare	urinary disorders, nephrotiss, abdominal distension, boils and sores, antiasthatic, antifungal, vermifuge etc	Roots		
Shrub	Chalander/Kulmach	<i>Viburnum grandiflorum</i>	Local	1500-4000m/Temperate	seeds	abundant	abundant	seeds are Digestive and expectorant	seeds		
Herb	Choorā	<i>Angelica glauca</i>	Local	1800-3700m/Temperate	seeds and roots	rere	rare	aromatic	Root	snake removal	

Herb	Chukri/ Pambtsalan	<i>Rheum austral</i>	Local	3200-4000m/Temperate	seeds	rare	endangered	antisposmodic, antotumour, cholagogue, astringent, gallblader problems etc	Root		
Creeper	Chuku/Changeri	<i>Oxalis corniculata</i>	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	<i>Rhodiola himalensis</i>	Local	3600-4500m/Temperate	seeds	rare	Rare	Reduce fatigue, depression and anxiety, altitude sickness	all parts of the plant		
Herb	Dhad Kopdi	<i>Bergenia Stracheyi</i>	Local	2700-4700m/Temperate	rhizome,			Kidney stones, gastrointestinal disorders, antifungal, antibacterial activities, anti-ulcer etc	Rizomes tuber, whole plant leaves		
Herb	Ephedra	<i>Ephedra gerardiana</i>	Local	2400-5000m/Temperate	seeds	rare	rare	Cold, coughs, asthma, arthritis			
Shrub	Feku	<i>Ficus palmate</i>	Local	1400-2500m/Temperate	Cuttings and seeds	abundant	abundant	Fruit is demolescent, laxative, used in diseses of lungs and bladder.	Fruit		
Herb	Gaddo	<i>Salvia moorcroftiana</i>	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	<i>Jurinea dolomiaea</i>	Local	1600-4000/Temperate	Seeds	Rare	rare	decoction of root is cordial, treatment of fevers, etc			
Herb	Hamesh bahar	<i>Calendula officinalis</i>	Local	Low lying areas/Temperate	seeds	rare	rare	Antiviral, antiinflamatory, Antiseptic, healing faster, relieving diaper rash	all parts of the plant	ornamental	
Herb	Handh	<i>Taraxacum officinale</i>	Local	Everywhere/Temperate	seeds and roots	abundant	abundant	Diuretic, hepatic, Laxative, Cholagogue, antibiotic, against yeast infecrion etc	Roots and leaes		
Herb	Jarjam	<i>Sanecio chrysanthemoides</i>	Local	/Temperate							
Shrub	Kaimal/kawdachh	<i>Berberis lyceum</i>	Local	1500-3500/Temperate	Seeds	Abundant	abundant	remedy for swollen and sore eyes, broken bones, diaphrotic and febrifuge etc	whole plant		
Herb	Kahzaban	<i>Arnebia benthami</i>	Local	3000-4500m/Temperate	Seeds	rare	rare	tongue and throat diseases, stimulant, diuretic, expectorent, antipyritic	whole plant	throat diseases, fever	
Herb	Kalishadi	<i>Daphne oleoides</i>	Local	1700-2300/Temperate	Seeds	rare	rare	treatment of cutaneous infections, gonorrhoea	bark and leaves		
Shrub	Kanhaji	<i>Sorbaria tomentosa</i>	Local	1800-2700m/Temperate	Seeds, cuttings, Suckers	rare	rare	Asthma	Fruits and Stems		
Shrub	Kareel Kaimbul/Chownphal	<i>Berberis aristata</i>	Local	1500-3500m/Temperate	Seeds	abundant	abundant	treatment of eye and skin diseases, malaria, diarrhoea, antibacterial effects, jaundice, dysentery	fruit and Rhizome	fruits used as digestive tonic	
Herb	Kim	<i>Morina longifolia</i>	Local	1600-2500m/Temperate	Seeds	rare	rare	stomic disorders and indigestion and emetic			

Herb	Kinns	<i>Dioscorea deltoidea</i>	Local	2000-3200m	Tubercles, Bulbulis	rare	rare	ophthalmi infections, treayment of ,roundworms , progestron,Contraceptives,	Roots, tubers		
Herb	Kour	<i>Picrorhiza Kurrooa</i>	Local	2700-4500/Temperate	seeds & Rhizome	rare	extinct	all forms of liver damage, against hapatitis c, wound healng,asthama,	Rhizome		
Herb	Kuppaj jari	<i>Sedum ewersii</i>	Local	1500-2500m/Temperate	seeds	rare	rare	remedy for ringworm,treatment of ulcers warts ,rashes, also act as laxative and diuretic	leaves		
Herb	Kuth	<i>Saussurea lappa</i>	Local	2500-300m/Temperate	seed/root	rare	c.endangered	Carminitive , aphrodistic,antihelimenthic, headaches, asthma,paralysiss, diseases of liver and kidney,etc	Root		
Fern	Maiden Hair	<i>Adiantum Venustum</i>	Local	1400-4000m/Temperate	Rhizomes	abundant	abundant	Emmetic, diuretic,headaches scorpion stings, cuts and wounds	fronds and rhizomes		
Shrub	Mooin	<i>Artemisa maritima</i>	Local	1500-3500m/Temperate	Seeds			Antihelimenthic, antispasmodic, Vermifuge.	Leaves		
Shrub	Mori	<i>Delphinium roylei</i>	Local	2000-3500m/Temperate	seeds	rare	rare	sedative, prenention of intestinal worms, & insomnia etc	leaves		
Herb	Mulam	<i>Inula royeleana</i>	Local	3100-4000m/Temperate	seeds			fall in blood pressure, peristalic movements of intestines	root		
Herb	Murma	<i>Valeriana dubia</i>	Local	1500-3500m/Temperate	Seeds and roots			Nervous disorders, insomnia,prevention in menstrual disorders	Root and Rhozome		
Herb	Nichni	<i>Rhododendron campannalatum</i>	Local	3000-4500/Temperate	seeds, Stem cutting	rare	rare	olds and headaches, rheumatism, sciatica, syphilis	leaves	Heerbal tea	
Herb	Patish	<i>Aconitum heterophyllum</i>	Local	2000-3000m/Temperate	Seeds	rare	rare	Antidote for Snake bite	Root		
Tree	Postul	<i>Taxus baccata</i>	Local	1800-3300m/Temperate	seeds	rare	rare	Anticancer Drugs	bark		

Herb	Sapp Google	<i>Arisaema flavum</i>	Local	3500-4000m/Temperate	Seeds	rare	rare	Expectorent,tetanus,epilepsy ets	whole plant		
Herb	Shemar	<i>Desmodium elegans</i>	Local	1200-4000m/Temperate	Seeds	rare	rare	Cholera and peptic ulcers	root and bark		
Herb	Sheshak	<i>Rhabdosia rugosa</i>	Local	1500-3500m/Temperate	Seeds	rare	rare	insecticide and vemicide, peptic ulcers prostrate cancer etc	whole plant		

Shrub	Shutenger	<i>Rhododendron anthopogon</i>	Local								
Herb	Suchal	<i>Malva neglecta</i>	Local	1500-4000m/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	<i>Caltha palustris</i>	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	<i>Trillium govanium</i>	Local	2500-4000m/Temperate	seeds and rhizome	rare	rare	formation of steroids and sex hormones	Rhizome	Aphrodisiac	
Herb	Kalyouth	<i>Prunella vulgaris</i>	Local	1500-3500m/Temperate	seeds	rare	rare	antiseptic , antipyretic, antispasmodic, goitre , hypotensive,, neprjtic, fevers, headaches and many more	leaves and flower	fevers and coughs and headaches.	
Herb	Soi	<i>Urtica dioica</i>	Local	everywhere/Temperate	Seeds	abundant	abundant	arthritis,, prostatic hyperplasia, to ntreat urinary problems	Leaves and stem	Arthritis	
Herb	Crown lily	<i>Fritillaria imperialis</i>	Local	2000-3000m/Temperate	Bulb	rare	rare	Expectorent, increases breast milk	Bulb		
Herb	Datur	<i>Datura stramonium</i>	Local	1400-2500m/Temperate	Seeds	Abundant	abundant	Antispasmodic, antihelminthic, anti-inflammatory	seeds in Root and fruit	Antispasmodic	
herb	Wan jawain	<i>Thymus linearis</i>	Local	2000-4000m/Temperate	seeds	abundant	abundant	Antispasmodic, gastrointestinal problems, respiratory disorders and many more	Seeds		
Herb	Kasrod	<i>Diplazium esculentum</i>	Local	1700-3500m/Temperate	rhizome and spores	abundant	abundant	Laxative, treatment of Cough etc	Fronds, Rhizomes	eating	
Herb	Waenie	<i>Pteris vitata</i>	Local	1500-3500/Temperate	Rhizomes and spores	abundant	abundant	Dysentery	fronds		
Herb	Mid-posh/ peony	<i>Peonia officinale</i>	local	1500-4000m/Temperate	Roots and Rhizomes	abundant	rare	Osteoarthritis, menstrual problems, respiratory tract problems	roots		
Herb	Fakil	<i>Ferula communis</i>	local	1800-2500m//Temperate	seeds	Abundant	rare	antidiabetic, antiproliferative, Antimicrobial.	Seeds		
Tree	Arkhol/Rhus	<i>Rhus toxicodendron</i>	local	2000-3500m/Temperate	Seeds	Rere	Rare	Treatment of Flu, cramps , Strains, restlessness leg syndrome	Bark and Seeds		
Herb	Mazarmund	<i>Iris Kashmiriana</i>	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
wan-pran	<i>Allium humile</i>	<i>Allium sativum</i>	Scattered in forest	Rare	Vegetable	leaves	vegetable		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
Wild Soyabean	<i>Glycine soja</i>	<i>Glycine max</i>	Scattered in forest	Abundant	pod	Leaf	pod		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

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
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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

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	Unknown		Generally, held by community
Deodar	<i>Cedrus deodara</i>	Temperate	abundant	Abundant	oil used rhematoid/Firewood	Oil to used to remove ticks, mites of domestic animals		Generally, held by community
Hackberry/Kharak	<i>Celtis australis</i>	Temperate	Abundant	Rare	fodder	Unknown		Generally, held by community
Akhroot	<i>Juglans regia</i>	Temperate	Abundant	Abundant	Fruit edible	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
Poa	<i>Parrotiopsis jacquemontiana</i>	Temperate	Abundant	Abundant		Unknown		Generally, held by community
Spruce	<i>Picea smythiana</i>	Temperate	Abundant	Rare	Firewood	Unknown		Generally, held by community

Kail	<i>Pinus wallichiana</i>	Temperate	Abundant	Abundant	Firewood	Unknown		Generally, held by community
Kikur	<i>Robina pseudoacacia</i>	Temperate	Abundant	Abundant	Fodder/firewood	Unknown		Generally, held by community
Yew	<i>Taxus baccata</i>	Temperate	Rare	Rare		Unknown		Generally, held by community
Bren	<i>Ulmus wallichiana</i>	Temperate	rare	Rare	Fodder	Unknown		Generally, held by community
Champ	<i>Alnus nitida</i>	Temperate	rare	Rare		Unknown		Generally, held by community
Kharsu	<i>Quercus semicarpifolia</i>	Temperate	Rare	Rare	Fodder, firewood	Unknown		Generally, held by community
Ban	<i>Quercus incana</i>	Temperate	Rare	Rare	Fodder, firewood	Unknown		Generally, held by community
Mohru	<i>Quercus dilitata</i>	Temperate	Abundant	Abundant	Fodder, firewood	Unknown		Generally, held by community
Tanji	<i>Pyrus pashia</i>	Temperate	Rare	Rare	Fruit edible	Unknown		Generally, held by community

veer	<i>Salix alba</i>	Temperate	Abundant	Abundant	Fodder	Unknown		Generally, held by community
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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	Common Langur	<i>Semnopithecus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Himalayan Black Bear	<i>Ursus thibetanus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
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	Five Stripped Palm Squirrel	<i>Funambulus Penanti</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	Bearded vulture or Lammergeier	<i>Gypaetus barbatus</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Black-eared Kite	<i>Milvus migrans</i>	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Black-naped green woodpecker	<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

	<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>
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Format 31: Any other information of local importance

1	2	3
Sr. No.	Information of local importance	Remarks