

Biodiversity Register (PBR): General Details

Name of the Panchayat Samity: Massu

Taluk:Paddar

District: Kishtwar

UT: Jammu & Kashmir

Geographical Area of the Panchayat Samity: 3.7 sq km

Population under the Panchayat Samity: Total 1765

Male 940

Female 825

Habitat and Topography: Hilly terrain

**Climate (Rainfall, Temperature and other weather patterns) Land Use (Nine fold classification available with village records)
Irrigated area : All**

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

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: Lakhmi Ram

Age: 67 yrs

Gender: Male

Address: Massu

Area of specialization: Social Worker

2) Name: Patail Singh

Age: 35years

Gender: male

Address: Massu

Area of specialization: Social Worker

3)Name: Sant Ram

Age: 38 years

Gender: Male

Address Kukandrawn

Area of specialization: Social Worker

4)Name: Menakshi Devi

Age: 32 years

Gender: Male

AddressGarh

Area of specialization: Agricultural

5)Name: Beer Singh

Age: 38 years

Gender:Male

Address: Garh

Area of specialization: Agricultural

6)Name: Nirmala Devi

Age 45Years

Gender: Female

Address: l

Area of specialization: Agricultural

7)Name: Kishori Lal

Age: 31years

Gender: Garh

Address:

Area of specialization: Social Worker

Annexure 3

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

Name: Rangail Singh

Age: 45 years

Gender: M

Address: Village Garh

Area of specialization: Progressive farmer

Name: Tara Chand

Age: 71 years

Gender: Male

Address: Garh

Area of specialization Senior Experienced farmer

Name: Jai Singh

Age: 42 years

Gender: Male

Address: Garh

Area of specialization Agriculture

Name: Pawan Kumar S/o saroop Chand

Age: 30 years

Gender: Male

Address: Sazzar

Area of specialization: Agriculture

Annexure 4

Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR	
1) Contact Person:	
Name and Address:	
2) Contact Person:	
Name and Address:	
3) Contact Person:	
Name and Address:	
4) Contact Person:	
Name and Address:	

Annexure 5

Details of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefits derived and the mode of their sharing					
No	Name and address of the Person /institution/ company/ others	Local and Scientific Name of the biological material Accessed and quantity	Date and resolution of the BMC and endorsement by the panchayat	Details of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared

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							
Wheat	<i>Triticum aestivum</i>	Gaioon/Kanak	Local	Hilly Temperate and intermediate	Na	Only Local varieties	Improved Varieties	High yield, resistant to drought, pests and diseases	Rabi	Food Fodder	Sown in the mnth of Oct-Nov	Suitable at Plains and Mild Hilly	Seed Stored from previous year	Farmers and Deptt. Of Agriculture
Raj Mash	<i>Phaseolus vulgaris</i>	Mooth	Vaspa	temperate	Na	Only Local varieties	Improved Varieties	Do	Kharif	Pods used as vegetables, and gran/seed as pulses	Every Village has its own strains (local varieties)	Mixed cropping with Maize	Seed Stored from previous year	Farmers and Deptt. Of Agriculture
Barley	<i>Hordeum vulgare</i>	Jow	Local Barley	Hilly Temperate and intermediate	Na	Only Local varieties	Improved Varieties	Do	Rabi	Food Fodder	Sown in the mnth of Oct-Nov	Suitable at Plains and Mild Hilly	Seed Stored from previous year	Farmers and Deptt. Of Agriculture
Maize	<i>Zea mays</i>	Kukri	Local	Hilly Temperate and intermediate	Na	Local Variety	Improved Varieties	Do	Kharif	Food Fodder	Sown in the month of April May	Suitable at Plains and Mild Hilly	Seed Stored from previous year	Farmers and Deptt. Of Agriculture
Mash	<i>Vigna Mungo</i>	Kali dal/Mah	Local	Temperate Intermediate	Na	Local	Improved Varieties	Do	Kharif	Pulses	Local	Na	Seed Stored from previous year	Farmers and Deptt. Of Agriculture
Rice	<i>Oryza sativa</i>	Dhan (Dugu)	Veliyan	Low Land Valleys	Na	Plenty	Rare	Do	June to Sept	Food Fodder	Provides more energy	Suitable for Valicha Cultivation	Seed saved from previous year	Farmers and Deptt. Of Agriculture

Cucumber	<i>Curmis sativus</i>	Khira	Local / Hybrid	Temperate conditions	Na	Plenty	Plenty	NA	Aug-Sept	Eaten raw as a salad	Promotes hydration	Aids in weight loss	Local preserved / Seed shops	Farmers and Deptt. Of Agriculture
Radish	<i>Raphanus sativus</i>	Mooli	Local / Hybrid	Temperate conditions	Na	Plenty	Plenty	NA	2-3 crops in a year	Eaten raw, used as vegetable and pickle making	Used as a remedy to treat jaundice	Rich source of antioxidants and minerals	Local preserved	Farmers and Deptt. Of Agriculture
Tomato	<i>Lycopersicum esculentum</i>	Tamatar	Local / Hybrid	Temperate conditions	Na	Plenty	Plenty	NA	July-Sept	As vegetable and ketchup	Rich in vitamin C and Lycopene	NA	Local preserved	Farmers and Deptt. Of Agriculture
Kale	<i>Brassica oleroca</i>	Haak	Local / Hybrid	Temperate conditions	Na	Plenty	Plenty	High yield production	Twice in a year	Relished as pickle and as vegetable	Rich in fibre	NA	Local preserved	Farmers and Deptt. Of Agriculture
Bottle gourd	<i>Lagenaria siceraria</i>	Ghiya	Local/ Hybrid	Temperate conditions	Na	Plenty	Plenty	High yield production	May- Aug	As vegetable	Good for health	NA	Local preserved	Farmers and Deptt. Of Agriculture
Potato	<i>Solanum tuberosum</i>	Aalu	Local pahadi aalu	Temperate conditions	Na	Plenty	Plenty	High yield production	May- Aug	As vegetable	Rich in proteins and carbohydrates	NA	Local preserved	Farmers and Deptt. Of Agriculture
Green Chilly	<i>Capsicum annum</i>	Mirchi	Local/ Hybrid	Temperate conditions	Na	Plenty	Plenty	High yield production	May- Aug	As vegetable and pickle	Improve immune system	NA	Local preserved	Farmers and Deptt. Of Agriculture
Pumpkin	<i>Cucurbita moschata</i>	Kaddu	Local/ Hybrid	Temperate conditions	Na	Plenty	Plenty	High yield production	May- Aug	As vegetable	Good for digestion and immune system	NA	Local preserved	Farmers and Deptt. Of Agriculture
Kodo millet	<i>Paspalum scrobiculatum</i>	Kodra	Local	Temperate conditions	Na	Plenty	Plenty	High yield production	Oct- Nov	As food, Fodder	Rich source of Vitamins, calcium, iron.	Religious purpose	Local preserved	Farmers and Deptt. Of Agriculture
Mustard	<i>Brassica juncea</i>	sarsoo	Local	Temperate Intermediate	Na	Plenty	Common	Palatability	Rabi	As edible oil, vegetable	Leaves rich in antioxidants and vitamins	Oil from seeds has antifungal, anti bacterial and anti microbial properties	Local preserved	Farmers and Deptt. Of Agriculture

Henbane	<i>Hyoscyamus niger</i>	Bajarbhang	Local	Temperate Intermediate	Na	Plenty	Common	NA	May- Aug	As food	Used as a remedy to cure cardiac and pulmonary disease	Consumed during fasting	Local preserved	Farmers and Deptt. Of Agriculture
---------	-------------------------	------------	-------	---------------------------	----	--------	--------	----	----------	---------	---	----------------------------	--------------------	---

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 (Repining)	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Tree	<i>Malus domestica</i>	Saib/ Apple	Red delicious, Golden delicious, Ambri	Lowland valley / home gardens	Plenty	Plenty	Local preserved / Horticulture Deptt./ Pvt. Nursery	Aug-Sept	Reducing cholesterol, lowering blood sugar level	Nutritious value	Market / own use	Locals & Deptt. Of Horticulture
Tree	<i>Prunus armeniaca</i>	Khubani/ Apricot	Safeda, Qadri	Mountainous/ Temperate	Plenty	Rare	Local preserved / grafting	June-July	Cures heart diseases	Used as a fruit and dry fruit	Market / own use	Locals & Deptt. Of Horticulture
Tree	<i>Juglans regia</i>	Akhroot	Local	Lowland valley / Agricultural land	Plenty	Plenty	Local preserved / Horticulture Deptt.	Aug-Sept	Reduces prostrate cancer and diabetes	Nutritious value	Market / own use	Locals & Deptt. Of Horticulture
Tree	<i>Pyrus communis</i>	Tang/ Pear	Babugosha, Alle tang, Dud tang, Konternal, Tanchi, Wut, Kyuth, Nakh tang	Mountainous/ Temperate	Common	Rare	Local preserved / grafting	Aug-Sept	Nutritious value	Used for mild digestion problems	Market / own use	Locals & Deptt. Of Horticulture
Tree	<i>Prunus persica</i>	Aadu/ Peach	Local, Shan-e-Punjab, Amba	-do-	Plenty	Plenty	Local preserved	Aug-Sept	Provides more energy	Nutritious value	Market / own use	Locals & Deptt. Of Horticulture
Tree	<i>Prunus domestica</i>	Aloo bukhara/ Plum	Local / Hybrid	Mountainous/ Temperate	Common	Available	Local preserved	June- Sept	Nutritious value	Reducing cholesterol, lowering blood sugar level	Market / own use	Locals & Deptt. Of Horticulture
Tree	<i>Prunus avium</i>	Cherry	Hybrid	-do-	Rare	Common	Deptt. Of Horticulture	June- July	Nutritious value	Provides more energy	Own use	Locals & Deptt. Of Horticulture

Climber	<i>Vitis vinifera</i>	Angoor/ Grapes	Local / Hybrid	-do-	Common	Common	Local preserved	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals & Deptt. Of Horticulture
Tree	<i>Cydonia oblonga</i>	Beehi/ Quince	Local	-do-	Plenty	Common	Local preserved	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals & Deptt. Of Horticulture

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part used for feeding cattles	Other details	Community / Knowledge holder
				Past	Present					
Oat	<i>Avena sativa</i>	Lawn	temperate and intermediate	Local	Improved	Seed saved from previous year	Stored in locally indigenous structure called tye	Grain used for seed and fodder	Above ground portion	Farmers
Robenia	<i>Robinia pseudoacacia</i>	Kikar	Lowland / Forest	Plenty	Rare	Natural propagation / Artificial regeneration	-do-	Green Leaves	Also a good soil binder plant	Locals
Ailanthus	<i>Ailanthus altissima</i>	Fak kul	Lowland / Forest	Plenty	Plenty	Natural propagation	-do-	Green Leaves	Also used as fuel wood	Locals
Fig	<i>Ficus carica</i>	Figura/Fog	Lowland / Forest	Plenty	Rare	Natural propagation	Provides fodder and more energy to livestock	Green / dry Leaves	Fruit edible & also used as fuel wood	Locals
Maize	<i>Zea mays</i>	Makki	Temperate/ Lowland valleys	Plenty	Plenty	Local preserved	Provides fodder and more energy to livestock	Whole plant	Also provides food grains	Locals
Narrow leaf plantain	<i>Plantago lanceolata</i>	Plantain	Temperate	Plenty	Plenty	Natural propagation	Provides a mineral rich forage to the animals	Leaves	NA	Locals
Ban oak	<i>Aesculus indica</i>	Gug	Lowland / Forest	Common	Rare	Natural propagation / Artificial regeneration	-do-	Green Leaves	Also used as fuel wood	Locals
Rice	<i>Oryza sativa</i>	Dhan / tamul	Temperate/ Lowland valleys	Common	Common	Local preserved	Provides fodder and more energy to livestock	Whole plant	Also provides food grains	Locals

Wheat	<i>Triticum aestivum</i>	Gundam	Temperate/ Lowland valleys	Plenty	Plenty	Local preserved / Agriculture Deptt.	Provides fodder and more energy to livestock	Whole plant	Also provides food grains	Locals
Barley	<i>Hordeum vulgare</i>	Jow	Temperate/ Lowland valleys	Plenty	Moderate	Local preserved	Green & dry plant used as fodder for the livestock	Whole plant	Also provides food grains	Locals
Bathua	<i>Chenopodium album</i>	Kunh	Temperate/ Lowland valleys	Plenty	Plenty	Natural propagation	As Fodder	Whole plant	Eaten as a highly nutritious vegetable	Locals
Amaranth	<i>Amaranthus viridis</i>	Cholai	Temperate/ Lowland valleys	Plenty	Plenty	Natural propagation	Eaten as a vegetable	Whole plant	Rich source of proteins and amino acids	Locals and farmers

Format 4: Weeds

1	2	3	4	5	6	7		8	9	10	11	12
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status		Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
						Past	Present					
Herb	<i>Phalaris minor</i>	Sitli	Wheat	The weed compete with the main crop	Temprate & intermediate	Moderate	Common	Nil	Manual plucking out	Reduces the yield of the crop	Local	Locals and farmers
Grass	<i>Cynodon dactylon</i>	Dhoob grass	Wheat	The weed compete with the main crop	Temperate and intermediate	Plenty	Plenty	Also serves as fodder for animals	Manual plucking out	Reduces yield/ crop loss	Local	Locals and farmers
Sedge	<i>Cyprus rotundus</i>	Dhila	Paddy/ Maize	The weed compete with the main crop	Temperate and intermediate	Moderate	Plenty	Nil	Manual plucking out	Reduces yield/ crop loss	Local	Locals and farmers
Bathu	<i>Chenopodium album</i>	Bathua	All crops	The weed compete with the main crop	Temperate and intermediate	Moderate	Plenty	Nil	Manual plucking out	Reduces yield/ crop loss	Local	Locals and farmers
Binding weed	<i>Convolvulus arvensis</i>		Maize	The weed compete with the main crop	Temperate and intermediate	Plenty	Plenty	Nil	Manual plucking out	Reduces yield/ crop loss	Local	Locals and farmers
Shrub	<i>Malva sylvestris</i>	Sotsal	Vegetables	The weed compete with the main crop	Lowland	Plenty	Plenty	Used as vegetable and fodder	Manual plucking out	Medicinal use	Not reported	Locals and farmers
Herb	<i>Cannabis sativa</i>	Bhang	Every crop	The weed compete with the main crop	Temperate	Plenty	Plenty	Making Charas (intoxicating drug)	Manual plucking out	Religious purpose	Not reported	Locals and farmers
Herb	<i>Carduus nutans</i>	Kond posh	Every crop	The weed compete with the main crop	Temperate	Plenty	Plenty	None	Manual plucking out	NA	Not reported	Locals and farmers
Herb	<i>Plantago lanceolata</i>	Plantain	Every crop	The weed compete with the main crop	Temperate/ low land	Plenty	Plenty	As fodder	Manual plucking out	NA	Exotic species	Locals and farmers
Herb	<i>Ipomoea purpurea</i>	Sornai, morning glory	Every crop	-do-	Temperate/ low land	Plenty	Plenty	As fodder	Manual plucking out	NA	Not reported	Locals and farmers

Shrub	<i>Xanthium strumarium</i>	Cockleburr	Every crop	-do-	Temperate/ low land	Moderate	Plenty	None	Manual plucking out	Fruit gets attached to the animal fur causing economic loss to the livestock industry	Exotic species	Locals and farmers
Herb	<i>Amaranthus viridis</i>	Cholai	Rice, Maize	-do-	Temperate/ Fields	Plenty	Plenty	Eaten as a vegetable	Pesticide spraying / plucking out	Rich source of proteins and amino acids	Not reported	Locals and farmers
Shrub	<i>Xanthium spinosum</i>	Cockleburr	Every crop	-do-	Temperate/ low land	Moderate	Plenty	None	Manual plucking out	Fruit gets attached to the animal fur causing economic loss to the livestock industry	Exotic species	Locals and farmers
Shrub	<i>Datura stramonium</i>	Dhatura	Every crop	-do-	Temperate & intermediate	Common	Plenty	None	Manual plucking out	Religious purpose	Not reported	Locals and farmers

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
Maize	Cut worm	<i>Agrotis ipsilon</i>	Tokka	Maize fields	April-May	Chemical Management through insecticides	Nil	Nil	Farmers, locals
Maize	Stem borer	<i>Chilo partellus</i>	Bud	Maize fields	April-May	Chemical Management through insecticides	Nil	Nil	Farmers, locals
Mash	Whitefly	<i>Bemisia tabaci</i>	Chithi makhi	Farm fields	July-August	Insecticide application	Damages the plant	Not known	Farmers, locals
Wheat	Field Rats	<i>Nesolia indica</i>	Jungli chuha	All fields	All Season	Traps & rodenticides	Nil	Nil	Nil
Wheat & Oats	Army Worm	<i>Mythimna separata</i>		Oats & Wheat fields	All Season	Chemical Treatment	Nil	Nil	Farmers, locals
Wheat	Rats	<i>Rattus norvegicus</i>	Musso	All fields	All Season	Traps & rodenticides	Nil	Nil	Farmers, locals
Kadam	Insect	<i>Pieris brassicae</i>	Pediyan/ White cabbage butterfly	Farm fields	May- Sept	Insecticide application	Damages plant and reduces the yield	Not known	Farmers, locals
Apple, Peach, Pear	Insect	<i>Quadraspidiotus perniciosus</i>	San jose scale	On host plant	May- October	Insecticide application	Damages the plant and crop	Scale insect	Damages the plant and crop
Potato	Insect	<i>Epilachna vigintioctopunctuata</i>	Hadda beetle	On host plant	May- October	Insecticide application	Damages the plant and crop	Grubs damage the crop badly	Damages the plant and crop
Polyphagous	Mammal	<i>Rhesus macaque & Semnopithecus ajax</i>	Monkey	Forests around habitation	Summers	Scaring them away manually & by using scarecrows in the fields	Damages the plant and crop	cause great economic loss to the farmers	Farmers, locals
Maize	Mammal	<i>Ursus americanus, U. arctos & U. thibetanus</i>	Reech// Bhalu	Forests	Summers	Scaring them away manually and by using scarecrows in the fields	Damages the plant and crop	cause great economic loss to the farmers	Farmers, locals

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
General and Scheduled cast	Agriculture	Collection of NTFP, Cattle rearing, Artisans & Govt. Servants	Forest (Hilly terrain) / Agriculture landscape	Agriculture for the purpose of food grains and fodder	Terrace farming	Traditional resource management practices	General / SC	Socially privileged	Most of them do own jobs, economically less privileged	445 as per Census 2011 but now Households are 640

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
Agricultural land	Pond	Fallow land											
Cultivated	nil	nil	Mountainous	Rocky/ sandy land	Property/ shamlat	Deodar	Leopard	Local Inhabitants	Self management	cultivation	Indigenous knowledge of local communities	---	---
						Kail	Black bear						
						Fir	Monkey						
						Spruce	Jackal						
						Champ	Wild goat						
						Akhroot	Wild cat						
						Dhoop	Rat						
						Nagchhatri	Lizard						
						Appricot	Snake						
						Heru	Pigeon						
						Mohru	Dog						
						Kiker	Sparrow						
						Guchhies	Butterfly						
						Kour	Bee						
						Kuth	Owl						
						Bankhoor	Mosquito						
						Kumlaie	Crow						
Phrast	Bulbul												
Chilgoza	Pijad												
Ratanjot	koel												
Kaala zeera	Parrot												

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

Format-9 : Waterscape.

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape Element type	Sub-type	Features and Approx	Owner ship	General Flora	General Fauna	Major Sues	User Group	Management Practices	General uses	Associated TK	Other Detail	Community Accessed
Lotic	River	Bhot nallah	Govt.	Mostly planktons, trees, ferns, bryophytes & pteridophytes	Amphibians, insects, annelids etc.	Irrigation drinking	Panchayat villages, locals	Unknown	irrigation, washing	NA	NA	Locals
	Nallah	Halai, Hakansi, Gadid, Hatlai	Govt.	Mostly planktons, trees, ferns, bryophytes & pteridophytes	Amphibians, insects, annelids etc.	Irrigation purpose	Panchayat villages, locals	Occasional de-silting, bunding	Irrigation, washing, drinking	NA	NA	Locals
	Springs	Wadagnag, kamdhai nag, shalal nag, loral	Govt.	Mostly planktons, trees, ferns, bryophytes & pteridophytes	Amphibians, insects, annelids etc.	Drinking, irrigation	Panchayat villages, locals	Occasional de-silting	Irrigation, washing, drinking	NA	NA	Locals

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 soil and sandy loamy soil	Grayish, brown, small grained mixture	Does not retain water frequent irrigation	Recharged with leaf manure, animal waste compost	Conifer plants, broad leaved plants, Fruit plants, NTFP species, Wheat, barley, maize, rice and some seasonal vegetables.	Domesticated /wild plants and animals	Provides good quality of timber, fuelwood, NTFP, food and fodder	-

DOMESTICATED BIODIVERSITY

Format 11: Fruit Trees

1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of plant/seeds	Season of Fruiting (Repining)	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
Tree	Aloo bukhara/ Plum	<i>Prunus domestica</i>	Local / Hybrid	Mountainous/ Temperate	Plenty	Moderate	Local preserved	June- Sept	Nutritious value	Reducing cholesterol, lowering blood sugar level	Market / own use	Locals & Deptt. Of Horticulture
Tree	Khubani/ Apricot	<i>Prunus armeniaca</i>	Safeda, Qadri	Mountainous/ Temperate	Plenty	Rare	Local preserved / grafting	June-July	Used as a fruit and dry fruit	Cures heart diseases	Market / own use	Locals & Deptt. Of Horticulture
Tree	Akhroot/ Walnut	<i>Juglans regia</i>	Local	Mountainous/ Temperate	Plenty	Plenty	Local preserved / Horticulture Deptt.	Aug-Sept	Used a dry fruit	Reduces prostrate cancer and diabetes	Market / own use	Locals & Deptt. Of Horticulture
Tree	Tang/ Pear	<i>Pyrus communis</i>	Babugosha, Alle tang, Dud tang, Konternal, Tanchi, Wut, Kyuth, Nakh tang	Mountainous/ Temperate	Common	Rare	Local preserved / grafting	Aug-Sept	Nutritious value	Uses for mild digestion problems, diarrhea, severe cholera	Market / own use	Locals & Deptt. Of Horticulture
Tree	Aadu/ Peach	<i>Prunus persica</i>	Local, Shan-e-Punjab, Amba	Mountainous/ Temperate	Plenty	Plenty	Local preserved	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals & Deptt. Of Horticulture
Tree	Aloo bukhara/ Plum	<i>Prunus domestica</i>	Local	-do-	Plenty	Plenty	Local preserved / Seed shops	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals
Tree	Saib/ Apple	<i>Malus domestica</i>	Red delicious, Golden delicious, Ambri	Mountainous/ Temperate	Plenty	Plenty	Local preserved / Horticulture Deptt.	Aug-Sept	Nutritious value	Reducing cholesterol, lowering blood sugar level	Market / own use	Locals & Deptt. Of Horticulture
Tree	Beehi/ Quince	<i>Cydonia oblonga</i>	Local	Mountainous/ Temperate	Plenty	Rare	Local preserved / Seed shops	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals & Deptt. Of Horticulture

Tree	Glass/ Cherry	<i>Prunus avium</i>	Hybrid	-do-	Absent	Common	Deptt. Of Horticulture	June- July	Nutritious value	Provides more energy	Own use	Locals & Deptt. Of Horticulture
Climber	Angoor/ Grapes	<i>Vitis vinifera</i>	Local / Hybrid	Mountainous/ Temperate	Absent	Avalible	Deptt. Of Horticulture	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals & Deptt. 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	Location status		Uses (usage)	Part used	Associated Tk	Other details market/ own use	Community Know Holders
						Past	Present					
Herb	Murg jawain, Bajarbhanga	<i>Hyoscyamus niger</i>	MFP	Forest	Natural	Plenty	Rare	Useful for ailments of the bones, Rh, toothache, asthma, cough nervous disease & stomach pain.	Seeds	Local zamindars have got ample knowledge with respect to identification of the species as well their common usage	Bonafide purpose	Inhabitants of the area.
Herb	Rohan-hak/ Pran/ Gogcheegma	<i>Allium carolinianum</i>	MFP	Forest	Natural	Plenty	Rare	Contain sulphur compounds (which give them their onion flavour) help to reduce blood cholesterol levels, acts as a tonic to the digestive system	Bulbs, Leaves, Flowers			
Herb	Drub	<i>Cynodon dactylon</i>	MFP	Forest	Natural	Plenty	Rare	used as a laxative, coolant, expectorant, & as a brain & heart tonic used for all types of bleedings & skin troubles.	Whole plant			
Tree	Horse chest nut	<i>Aesculus hippocastanum</i>	B/L	Forest	Natural	Plenty	Rare	used for treatment of dysentery, bronchitis, hemorrhoids.	Leaves			
Herb	Vena	<i>Mentha longifolia</i>	MFP	Forest	Natural	Plenty	Endangered	Respiratory ailments, treat wounds	Leaves			
Shrub	Anar	<i>Punica granatum</i>	MFP	Forest	Natural	Plenty	Rare	Treatment of cancer, osteo-arthritis, appetizer	Whole plant			
Herb	Suchal	<i>Malva neglecta</i>	MFP	Forest	Natural	Plenty	Rare	Astringent, demulcent, diuretic	Leaves, Flowers, Root			
Tree	Akhroot	<i>Juglans regia</i>	B/L	Forest	Natural	Plenty	Rare	leaves are used in treatment of chronic coughs, asthma & purify blood and treat diabetes	Leaves, Fruit,			
Tree	Safeda	<i>Populus ciliata</i>	B/L	Forest	Natural	Plenty	Rare	used as fuel wood, as timber & for making furniture	Whole Plant			
Herb	Hamesh-Bahar	<i>Calendula officinalis</i>	MFP	Forest	Natural	Plenty	Rare	Applied on Skin disease, Burns	Flower, leaf			

Herb	Pyaz	<i>Allium cepa</i>	MFP	Forest	Natural	Plenty	Rare	Anti inflammatory, antiseptic	Bulb, Leaves
Herb	Thom	<i>Allium sativum</i>	MFP	Forest	Natural	Plenty	Rare	Fever, diabetics, swellings	Bulbs
Herb	Dhaniya	<i>Coriandrum sativum</i>	MFP	Forest	Natural	Plenty	Rare	Measles, hemorrhoids, toothache & joint pain	Leaves, Seeds
Herb	Mooli	<i>Raphanus sativus</i>	MFP	Forest	Natural	Plenty	Rare	To treat constipation, chronic tracheitis & hypertension	Leaves root
Climber	Kheera	<i>Cucumis sativus</i>	MFP	Forest	Natural	Plenty	Rare	Blemished skin, heart rash, burns, sores	Whole part
Climber	kaddu	<i>Cucurbita pepo</i>	MFP	Forest	Natural	Plenty	Rare	Anti inflamentry, anti viral, anti ulcer	Whole part
Herb	Green Chilly	<i>Capsicum annum</i>	Local/ hybrid	Temperate	Local preserved/ shops	Plenty	Plenty	As spice	Fruit

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
Broad leaved	Safeda	<i>Populus ciliata</i>	Local	From cutting of populous tree	Commercial	Ornamental	Provides beauty of land	Used in fruit packing and plywood industries	Locals
Broad leaved	Chinar	<i>Platanus orientalis</i>	Local	Forest / private nurseries	Non-commercial	Ornamental	Provides cool shade and home for many birds	Dried leaves are used as Kangri fuel	Locals
Evergreen tree	Sarv Kull	<i>Cupressus cashmeriana</i>	Local	Private nurseries	Non-commercial	Ornamental	Provides scenery and beauty of area	Unknown	Locals
Shrub	Gainda	<i>Tagetes erecta</i>	Local	Preserved seed	Non-commercial	Provides beauty to the home garden	NA	Used for religious purpose	Locals
Shrub	Gulab	<i>Rosa indica</i>	Local	From cuttings	Non-commercial	Provides beauty to the home garden	Used to make gulkand- a remedy for gastric troubles and as a refreshing drink in summers	Used for religious purpose	Locals
Shrub	Dhaliya	<i>Dahlia pinnata</i>	Local	Rhizomes of flower plant	Non-commercial	Provides beauty to the home garden	NA	Used for religious purpose	Locals

Climber	Ivy	<i>Hedera helix</i>	Wild	Cuttings	Non- commercial	Provides beauty to the home garden	NA	Used for religious purpose	Locals
Herb	Nargis	<i>Narcissus tazetta</i>	Wild	Bulbs	Non-commercial	Provides beauty to the home garden	NA	Used for religious purpose	Locals
Climber	Chameli	<i>Jasminum officinale</i>	Wild	Cuttings	Non-commercial	Provides beauty to the home garden	NA	Used for religious purpose	Locals
Herb	Cock's comb	<i>Celosia cristata</i>	Local	Seeds	Non-commercial	Provides beauty to the home garden	NA	Used for religious purpose	Locals

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	Deodar	<i>Cedrus deodara</i>	Forest	Plenty	Rear	Wild	Used in neurological disorders, asthma, fever, arthritis & headache.	Local zamindars have got emple knowledge with respect to identification of the species as well their comon usage	NA	Elder members of the community
Trees	Kail	<i>Pinus wallichiana</i>	Forest	Plenty	Rear	Wild	Usful in treating burning of the body, cough, fainting & ulcers.			
Trees	Akhrot	<i>Juglans regia</i>	Local/ Forest	Plenty	Rear	Wild/ home garden	Leaves are used in treatment of of chronic coughs, asthma & purify blood and treat diabetes			
Trees	Bankhor	<i>Aesculus indica</i>	Forest	Plenty	Rear	Wild	Treatment of skin diseae, Rh, astringent, narcotic,relief of headache			
Trees	Haadi	<i>Prunus armeniaca</i>	Forest	Plenty	Rear	Wild	Antisposmodic, chronic bronchitis			

Format 15: Domesticated Animals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Breed (local/hybrid)	Features	Method of keeping	Local status		Uses	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Sheep	Daeng,	<i>Ovis aries</i>	Local	Small size rough coat	Flock rearing	Plenty	Rare	Mutton and wool	Yes	Yes	Mutton, wool, manure, bones and hides	Locals
Sheep	Daeng,	<i>Ovis aries</i>	Rambouillet cross bread	Large size low body weight	Flock rearing	Rare	Plenty	Mutton and wool	Yes	Yes	Mutton, wool, manure, bones and hides	Locals
Goat	Bakri	<i>Capra hircus</i>	Local	Small size low body weight	Flock rearing	Plenty	Rare	Mutton and wool	Yes	Yes	Mutton, wool, manure, bones and hides	Locals
Goat	Bakri	<i>Capra hircus</i>	Kaghani, bakasooli	Large size high body weight	Flock rearing	Rare	Plenty	Mutton and wool	Yes	Yes	Mutton, wool, manure, bones and hides	Locals
Cow	Gaaa,	<i>Bos taurus</i>	Local/ Desi/Jersey	Cow have hooves on there feet and can weight upto 400 pounds	Flock rearing/ Domestication	Plenty	Rare	Milk, Cow dung	Milk good for health	Yes	High milk production	Locals
Ox	Bhadel	<i>Bos taurus</i>	Local	For ploughing	Domestication	Plenty	Rare	For ploughing	Use for ploughing	Yes	Use for ploughing	Locals
Dog	Kotar	<i>Canis familiaris</i>	Local/ Bakerwal	Small to median height, white, brown black in colour	Domestication	Plenty	Common	Guard, hunting dog	Nil	No	Nil	Locals
Cat	Balai	<i>Felis catus</i>	Local	Small, greyish black, white in colour	Wild/ Domestication	Common	Common	Pest control	Nil	No	Nil	Locals
Horse	Ghoda	<i>Equus caballus</i>	Local	Large strong animals, 60-70 inches in height	Domestication/ Flock rearing	Common	Common	Used in riding and transport	Nil	Yes	NA	Locals

Mule	Khacchar	<i>Equus mulus</i>	Local	Generally brown, grey or black in colour, 55 to 65 inches in height	Domestication	Common	Common	Used as draught and pack animal	Nil	Yes	Nil	Locals
Poultry	Kukad	<i>Gallus domesticus</i>	Desi/ Hybrid	Enriched meat flavour, high egg yield	Domestication/ Rearing	Common	Common	Egg/Meat	Nil	Yes	Nil	Locals
Donkey	Gadha	<i>Equus asinus</i>	Local	White, black or grey in colour, smaller than a horse	Domestication	Common	Common	Used as a beast of burden	Nil	Yes	NA	Locals

Format-17 : Markers/ Fairs for Domesticated Animals, Medicinal Plants and other products.

1	2	3	4	5	6	7	8	9
Name of the Weekly Market/ Fair	Location	Weekly/ Fortnightly & others Bi-annual/ Annual	Day held	Month incase of bi-annual or annual market fair	Types of animal bought and sold	Number of animals (average) transacted in a day	Places from where the animals are arrived	Places to where the animals are transported
-----Nil-----								

WILD BIODIVERSITY.

Format-18 : Trees, Shrubs, Herbs, Tubers, Grasses, Climbers etc.

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial/ own use	Part collected	Associated Tk	Other details	Community Knowledge Holder
					Past	Present					
Shurb	Rhubarb (Churko)	<i>Rheum spiciforme</i>	MFP	Temperate	Plenty	Rare	Commercial and own use	Flower/ stem	Harvested from the wild for local use as a food & medicine		
Herb	Kuth	<i>Saussurea costus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root/ Rhizome	The root & oil from the root are used to make medicine.treating for asthma, cough,gas,worm(nemotode).		
Herb	Murg jawain,Bajarbhang	<i>Hyoscyamus niger</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seeds	Useful for ailmentsof the bones,Rh,toothache,asthma,cough nervous disease & stomach pain.		
Herb	Rohan-hak/Pran/ Gogcheegma	<i>Allium carolinianum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Bulbs, Leaves, Flowers	Contain sulphur compounds (which give them their onion flavour)help to reduce blood cholesterol levels,acts as a tonic to the digestive system		
Herb	Gaozabaan (Ratanjot)	<i>Arnebia benthamii</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots, Rhizomes	Used for imparting pleasing red colour to fodstuff,oils & fats. The flowering shoots are used in prepration of Shrubet(syrup) & jam useful in various disease of tongue,throat,fever & cardiac disorders		

Shurb	Dhatura	<i>Datura stramonium</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seeds	Used to treat hydrophobia, epilepsy, convulsion, syphilis, inflammation of the breasts, smallpox, mumps & leprosy, also used as a pesticide.
Herb	Gokhru	<i>Tribulus terrestris</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves & Flowers	Traditionally, people have used this plant for a variety of potential effects, including to enhance libido, keep the urinary tract healthy & reduce swelling.
Shurb	Sesum (murin)	<i>Artemisia brevifolia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Used as a digestive & carminative & hence mixed with meat dishes, known to be an anthelmintic, aphrodisiac, antiseptic, laxative, blood purifier & antidote to scorpion stings.
Herb	Zakhm-e-hayaat	<i>Bergenia ciliata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves & Roots	Useful for the treatment of uterine contraction, ulcers, fever & kidney stone, also treat throat infection, diabetes.
Herb	Surajan-e-talakh	<i>Colchicum luteum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Corms	Used as a carminative, laxative & are effective in the treatment of gout, Rh, & disease of liver & spleen.
Herb	Salam-panja	<i>Dactylorhiza hatagirea</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots, Rhizomes	Widely used to cure various diseases like dysentery, diarrhoea, chronic fever, cough, stomachache, wounds, cuts, burns, fractures & general weakness.
Climber	Shingli-mingli	<i>Dioscorea deltoidea</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	Rhizomes used for the treatment of different diseases such as digestive disorders, sore throat, diarrhoea, wounds, burns & anemia.

Shurb	Kalveuth	<i>Prunella vulgaris</i>	MFP	Forest	Plenty	Sporadic	Commercial and own use	Leaves & Flowers	Useful to treat infections & other illnesses, inflammation, prevents cancer, diabetes
	Ravend-Chini (Pambchalan)	<i>Rheum australe</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots, Rhizomes	Used as laxative & also used in various herbal preparations.
Herb	Handh	<i>Taraxacum officinale</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Has a special effect on the organs involved in digestion, its coffee helps with liver damage & liver weakness as well as bile weakness, stimulate pancreas & kidney function.
Shurb	Kasrore	<i>Diplazium esculentum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Used as vegetable, dried rhizomes are used as an insecticide, decoction of this plant is used in the treatment of cough & sometimes as a tonic.
Herb	Patrees	<i>Aconitum heterophyllum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	Useful to treat bronchitis, persistent cough, upper respiratory tract infections, common cold, flu & malaria, treat fever, cough, vomiting & diarrhea.
Herb	Pushkarmula	<i>Inula racemosa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots, Rhizomes	Treat chronic bronchitis & Rh, dried rhizomes & roots are used to cure loss of appetite & stomach troubles.
Herb	Tilpushpi (Foxglove)	<i>Digitalis purpurea</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	Useful to treat congestive heart failure & heart rhythm problems
Shrub	Gur-Krandel	<i>Ferula jaeschkeana</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Flowers	Treatment of asthma, whooping cough, flatulent colic, pneumonia, bronchitis
Herb	Resha-Khatmi	<i>Lavatera cashmeriana</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Roots & Flowers	A known medicinal herb used in many unani medicinal preparations, cure throat problem, mild laxative,

Herb	Kour, Kutki, Kadu, Kadvi	<i>Picrorhiza kurroa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	Used for the treatment of jaundice, sudden liver infections caused by a virus, fever, allergy & asthma.
	Chuka Ladur	<i>Polygonum alpinum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaf stems	Used for edible, an acid flavour, the juice from the plant has been sweetened & used as a refreshing drink.
Herb	Marchi, Jungli ajwain	<i>Thymus linearis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers	Useful for the treatment of abdominal pain & vomiting
Shurb	Kala Zeera	<i>Bunium persicum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seeds	Useful in treatment of gastrointestinal illnesses, including diarrhea & inflammatory bowel disease.
Herb	Rumkath, Budarkath, Bantambaku (Gidar Tambakoo)	<i>Verbascum thapsus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Useful to treat pulmonary problems, inflammatory diseases, asthma, diarrhoea & migraine headaches.
Herb	Kuhushbondhri (Gas plant)	<i>Dictamnus albus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Bark & Root	The plant is used both internally & externally in the treatment of skin diseases (especially scabies & eczema), arthritic pain & jaundice.
Tree	Khareu	<i>Ilex dipyrrena</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flower, Leaf & Fruit	Moderate sized evergreen tree with light gray smooth bark. Close grained with a pretty silver grain, the wood is used for fuel.
Herb	Kasnil Hand	<i>Cichorium intybus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers	Useful in treatment of liver disorders, diabetes, jaundice, gout, Rh
Herb	Pambechalan/chukri	<i>Rheum emodi</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	Used in various traditional systems as laxative, tonic, fever, cough, indigestion & menstrual disorders.
Tree	Zum	<i>Prunus cornuta</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Timber	Helpful in the treatment of cancer.

Herb	Neelkanth	<i>Ajuga bracteosa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	Useful in the treatment of agues, the juice of the root is used in the treatment of diarrhoea & dysentery, leaves are used in treatment of fevers as a substitute for quinine	
Herb	Choru/Chohori	<i>Angelica glauca</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	Used in Dyspepsia, constipations, ulcer of plate, Dysentery, Roots are used as a drug wound and gastric pains	
Herb	Cow Parsnip	<i>Heracleum candicans</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	The roots are a very good source of xanthotoxin, which is used in the preparation of suntan lotions & to some extent for the treatment of leucoderma.	
Climber	Agranth	<i>Hedera nepalensis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Used for cure of benign wart, anti-inflammatory & anti-arthritis properties.	
Shrub	Bakru	<i>Lonicera quinquelocularis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Stem., Braches	Used for turnery & carving, also used for walking sticks.	
Shrub	Chalander	<i>Viburnum grandiflorum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Fruit	Used as laxative & blood purifier, also used to reduce muscular cramps.	
Herb	Goose grass (Kuri, khourti)	<i>Galium aparine</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Stem	used as diuretic, used to treat swollen lymph glands, tonsillitis and throat infections.	
Tree	Fir	<i>Abies pindrow</i>	CONIFER	Forest	Plenty	Rare	Commercial and own use	Seeds, Timber	used for treating fever, wheezing cough & cold.	
Tree	Deodar	<i>Cedrus deodara</i>	CONIFER	Forest	Plenty	Rare	Commercial and own use	Seeds, Timber oil	used in neurological disorders, asthma, fever, arthritis & headache.	
Tree	Kail	<i>Pinus wallichiana</i>	CONIFER	Forest	Plenty	Rare	Commercial and own use	Timber	useful in treating burning of the body, cough, fainting & ulcers.	
Herb	Gentheer	<i>Adiantum capillus-veneris</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	used for antibacterial, anti-implantation, antihyperglycemic.	

Herb	Sapp Guggal	<i>Arisaema flavum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Tubers	used in the treatment of chronic tracheitis, bronchiectasis, tetanus and epilepsy	
Herb	Deela	<i>Cyperus rotundus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Rhizomes, Roots	Malaria, diarrhea, diabetes	
Herb	Drub	<i>Cynodon dactylon</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole plant	used as a laxative, coolant, expectorant, & as a brain & heart tonic used for all types of bleedings & skin troubles.	
Herb	Palain	<i>Dichanthium annulatum</i>	MFP	Forest	Plenty	Endangered	Commercial and own use	Whole plant	commonly used as a fodder grass.	
Shrub	Vethur	<i>Juniperus communis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Stem	used as anti-diarrhoeal, anti-inflammatory, astringent & antiseptic & also used for the treatment of various abdominal disorders.	
Herb	Gul-e-sanobar	<i>Geranium wallichianum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots, Bark	used as a cure for toothache and has been applied externally to the eyes.	
Herb	Chuku	<i>Oxalis corniculata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole plant	used in the treatment of influenza, fever, urinary tract infections & poisonous snake bites.	
Herb	Hillu	<i>Impatiens glandulifera</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flower	It is one of the Bach flower remedies, flower extracts used as herbal remedies for physical & emotional problems.	
Shrub	Sanglidhoop	<i>Skimmia anquetilia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	used for treatment of swellings, rheumatism & therapy. Powder of its bark is used for the healing of burns & wounds.	
Shrub	Beri	<i>Ziziphus oxyphylla</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Fruit	used to treat diabetes, fever, dysentery, as well as blood & skin diseases	
Tree	Horse chest nut	<i>Aesculus hippocastanum</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Leaves	used for treatment of dysentery, bronchitis, hemorrhoids.	

Tree	Kanjil	<i>Acer caesium</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Leaves	used for treatment of muscular swelling,boils & pimples	
Herb	Neelkanth	<i>Ajuga bracteosa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaf	Treats agues, diarrhoea& dysentery	
Herb	Jungli pudina	<i>Mentha arvensis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	As a food, stomach problem & allergy	
Herb	Vena	<i>Mentha longifolia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Respraitory ailments, treat wounds	
Herb	Kal viuth	<i>Prunella vulgaris</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Protect against cancer, herpes	
Shrub	Sheshak	<i>Rabdosia rugosa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Remedy of helminthiosis, in live stocks	
Herb	Kashmir sage	<i>Salvia hians</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Aerial Parts	Heal eye infections	
Herb	Gaddo	<i>Salvia moorcroftiana</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	Gas, gastritis, heart burn	
Shrub	Kanhaji	<i>Sorbaria tomentosa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	Ornamental, stimulate, respiration	
Herb	DhadKopdi	<i>Bergenia stracheyi</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	kidney & gall bladder stone	
Herb	Dand jari	<i>Rhodiola himalensis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Bark	Help the body to resist physical, chemical & environmental stress	
Herb	Kuuppad jari	<i>Sedum ewersii</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole plant	Herbal remedy for diptheria, ring worm, treats pimples, acne etc.	
Tree	Ringkul	<i>Crataegus songarica</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Whole plant	Pulmonary disesses	
Herb	Wild Straberry	<i>Fragaria nubicola</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Fruit	As food, treats profuse mensuration	
Tree	Haadi	<i>Prunus armeniaca</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Whole plant	Antisposmodic, chronic bronchitis	
Herb	Patrishi	<i>Aconitum heterophyllum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Not Available	Treats reproductive disorders	
Herb	Tatnu	<i>Caltha palustris</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves,Stem	Treatment of fits & anemia	
Herb	Sornai, morning glory	<i>Ipomaea purpurea</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seeds	Mental disorders,constipations	
Herb		<i>Cuscuta europaea</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seeds,vegetable	Herbal medicine,tonic for liver & kidney	

Herb	Jala-Kafal	<i>Atropa acuminata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole plant	used to make plasters ,in asthma	
Herb	Brand	<i>Phytolacca acinosa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves,Roots	urinary disorders, abdominal tensions	
Herb	Himalayan rhubarb	<i>Rheum australe</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Rhizomes,Roots	Gastritis,blood purification	
Herb	Moor craft's rhubarb	<i>Rheum moorcroftianum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Rhizomes,Roots	improve memory,renal function disorder	
Herb	Mulain	<i>Inula royleana</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Aerial Parts	reduce blood pressure,perestatic movement in intenstines	
Herb		<i>Jurinea dolomiaea</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	loss of apetite, cold bronchitis	
Herb	Lesser's violet dandelion	<i>Lactuca lessertiana</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Not available	curative properties	
Herb	Himalayan edelweiss	<i>Leontopodium himalayanum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Aerial Parts	used in herbal and protect over skin	
Herb		<i>Saussurea heteromalla</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaf, root	horse bite, oil, leucoderma & wounds	
Herb		<i>Saussurea lappa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	anti ulcer, anti cancer	
Herb	Pinja phooli	<i>Solidago virgaurea</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers,Leaves	used in treatment of best pain, insomnia	
Herb	Sow thistle	<i>Sonchus arvensis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Stems,Leaves	used in treatment of asthma,chest diseases	
Herb		<i>Sonchus asper</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves,Stem,Tops	used in treatment of skin ailments,anti-bacterial	
Herb	Handh	<i>Taraxacum officinale</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Fruits,Leaves	increase urine production,,decrease pain	
Shrub		<i>Lyonia ovalifolia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves& Buds	treat skin disease,external parasite	
Herb	Milkweed, doodil	<i>Euphorbia helioscopia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Stem,Root	used in pharmaceutical industry.	
Herb	Soy	<i>Urtica dioica</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	urinary tract infections	
Tree	Brimij	<i>Celtis australis</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Leaves,Root	treatment of amenorrhoea,heavy menstrual bleeding & colic	
Tree		<i>Ulmus wallchiana</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Leaves	used to heal body mind & skin	
Herb		<i>Cannabis sativa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	used for recreational or medicinal purposes	

Herb		<i>Viola canescens</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaf,Flower	used for cough ,cold,flu,fever & malaria	
Herb		<i>Viola indica</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers	Respraitory tract congestion asthma ,sore throat	
Herb		<i>Stellaria media</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole plant	cough ,cold constipation,burns	
Herb		<i>Hypericum elodeoides</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Aerial Parts	treatment in mild to moderate depression	
Shrub		<i>Hypericum oblongifolium</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Aerial Parts	Hepatitis,gastric ulcers	
Herb		<i>Hypericum perforatum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Aerial Parts	Moderate depression ,anxiety & sleep disorders	
Herb	Suchal	<i>Malva neglecta</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves,Floers,Root	Astringent,demulcent,diuretic	
Herb		<i>Geranium polyanthes</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flower	Tumor,cosmetic,laxative & hair colour	
Herb	Gugchuk, Ringrash	<i>Geranium pretense</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	cholera,diarrhoea	
Shrub		<i>Indigofera heterantha</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Floers ,Branches	branches are used as basket making it is also used as fuel	
Shrub		<i>Indigofera tinctoria</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowering & Fruiting Branches	used to treat nervous disorders,asthama, liver disease	
Herb		<i>Trifolium fragiferum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers,Leaves	used as green manure & flowers are used to make jelly	
Herb	White clover	<i>Trifolium repens</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers,Leaves	a lincture of the leves are applied as an ointmento Govt.	
Herb		<i>Trigonella emodi</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Stem ,Leaves	Reduce fever	
Herb		<i>Vicia sativa</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seed	seeds are used to form bread, cakas, biscuits	
Herb		<i>Vicia sepium</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Rhizomes,Leaves	used as nitrogen fixation used for hay or silage particularly arable silage.	
Tree	Fog, feku	<i>Ficus palmata</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Fruit	used for skin diseases, treatment of lungs & bladder diseases	
Tree		<i>Morus serrata</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Root ,Wood	juice of the root is used as an anthelmintic.wood is used for making furniture	

Tree	Akhroot	<i>Juglans regia</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Leaves,Fruit,	leaves are used in treatment of chronic coughs,asthma & purify blood and treat diabetes	
Tree	Champ	<i>Alnus nitida</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Bark	Bark is used to treat swelling & body pain	
Tree	Bhoj patra	<i>Betula utilis</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Bark	Bark is used for writing lengthy scriptures & texts,also used for packaging	
Tree		<i>Quercus baloot</i>	B/L	Forest	Plenty	Rare	Commercial and own use	seeds	seeds are used in manufacturing of insecticides	
Tree		<i>Populus alba</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Stem,Bark	used in the treatment of arthritis,gout,lower back problem and reduce fever	
Tree		<i>Populus ciliata</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Whole Plant	used as fuel wood, as timber & for making furniture	
Shrub	Willow	<i>Salix alba</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Stem	stems are used in basket making.	
Shrub	Kareel- kaimbal, khumlai	<i>Berberis aristata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root,Stem,Leaves	used in treatment of jaundice,urinary disorders	
Shrub		<i>Berberis jaeschkeana</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Rhizomes,Fruit	used in treatment of tumor	
Shrub	Kaimal/Daruhaldi	<i>Berberis lycium</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots ,Stem,Bark	used as an immunity booster	
Herb	Ban kakri	<i>Podophyllum hexandrum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Rhizomes	used to treat gynecology infections	
Herb	Guli neelam, kandyari	<i>Meconopsis aculeata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	used to help heal broken bones,treat inflammation from fractures	
Herb		<i>Papaver somniferum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	used for commercial purposes	
Herb		<i>Meconopsis latifolia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers	used against ulcers,disorders of lungs.	
Herb		<i>Corydalis cachemiriana</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers,Stems,Leaves	used for mild depression	
Herb	Bhutyata	<i>Corydalis govaniiana</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	its drug is used in the form of decoction	
Herb		<i>Corydalis thyrsoflora prain</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves,Flowers	used to treat stomach problem	
Herb	Pit papara, papara	<i>Fumaria indica</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	used as a common weed,isolation & polyherbal	

Herb	Shephard's purse, toree ghas	<i>Capsella bursa- pastoris</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seeds,Leaves	used as a folk remedy for cancer,nose bleeding	
Herb		<i>Erysimum melicentae</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seeds	used in medicine,food item	
Herb	Nargis	<i>Narcissus tazetta</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	used in treatment of boils & mastits	
Herb	Chingposh	<i>Colchicum luteum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Corm,Seeds	used as carminative & aphrodisiac,treatment of gout	
Herb		<i>Fritillaria roylei</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	Anti-asthamatic & used for healing wounds	
Herb		<i>Gagea elegans</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Used in the form of infusions or decoctions.	
Herb		<i>Notholirion thomsonianum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flower,Leaves	Treatment of Various infectious Diseases espically intestinal.	
Herb		<i>Polygonatum multiflorum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	used in wound healing being anti-bacterial	
Herb		<i>Polygonatum verticillatum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Tender leaves,Young shoots	used to cure cardiptonic,aphrodisiac	
Herb		<i>Trillium govanianum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Rhiozomes,Roots	used in dysentery, wound healing,menstral &sexual disorders.	
Herb		<i>Tulipa stellata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	Used for sinus Pain ,Hay Fever& Headache.	
Herb		<i>Arisaema jacquemontii</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	used for the treatment of dermatological disorders,used for phenols	
Herbs		<i>Valeriana pyrolifolia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	Used orally for anxiety & psychological stress.	
Herbs	Phulee	<i>Dipsacus inermis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Fresh & Dried Leaves	used in ayurvedic system of medicine	
Herbs	Puth kanda	<i>Achillea millefolium</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Aerial Parts	above ground parts used in cold, tonic & astringent	
Herbs		<i>Ainsliaea aptera</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Roots	roots used to relieve stomach ache, acute fever & constipation	
Herbs		<i>Anaphalis nubigena</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Aerial Parts	used as aromatic & antimicrobial	
Herbs		<i>Artemisia scoparia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers, Stem, Seeds	flowers, stem seeds used as antiseptic, diuretic & antipyretic	

Herbs		<i>Artemisia gmelini</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaf, Stem	plants rich source of essential oil	
Herbs	Mooin	<i>Artemisia maritima</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leraves, Flowering	antiseptic, diuretic & antipyretic	
Herbs		<i>Cirsium arvense</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	remedy for toothache & treatment of indigestion	
Herbs		<i>Cirsium falconeri</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	whole plant & roots used for treating oedema	
Herbs		<i>Dubyaea hispide</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Rhizomes	used to remove excess pitta dosh,treat fever.	
Herbs		<i>Echinops cornigerus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	root are aphrodisiac, whole plant antipyretic & analgesic	
Herbs		<i>Erigeron canadensis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	whole plant diuretic, hemostatic & antidiarrheal	
Herbs		<i>Galinsoga parviflora</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	used for treatment of nettle sting & similar skin inflammation	
Herbs		<i>Anagallis arvensis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	whole plant used as expectorant, dropsy,diuractic,purgative	
Herbs		<i>Androsace rotundifolia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Dried Plant	dried plant used against bronchitis, asthma,cough	
Herbs		<i>Primula rosea</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flower,Leaves	asthma & digestive problems	
Tree		<i>Fraxinus excelsior</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Bark,Leaf	bark & leaf used against fever, gout, arthritis	
Herbs		<i>Jasminum grandiflorum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Not Available	used for treating wounds, skin disease, ulcers,headache	
Shrub		<i>Buddleja paniculata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	used for treatment of skin disease, malaria	
Herbs		<i>Gentiana carinata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	used against diarrhea, loss of appetite, heart burn	
Herbs	Kazuban	<i>Arnebia benthamii</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowering, Shoots & Roots	used as red clour to food, oil & fats, plantalso used as diuretic, expectorant, tonic	
Tree	Trikanni	<i>Acer pictum</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Whole plant	Use as food ,medicine,ornamental & source of wood	
Tree	Bren	<i>Ulmus villosa</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Bark,Leaves	Medicinal ,aeromatic,anti-inflammatory,furniture	

Tree	Bankhoor	<i>Aesculus indica</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Leaves,Flowers	Treatment of skin disease, Rh, astringent, narcotic, relief of headache	
Herb	Hamesh-Bahar	<i>Calendula officinalis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flower,leaf	Applied on Skin disease,Burns	
Herb	Banafsha	<i>Viola odorata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flower	Throat problem,Cold,cough	
Herb	Nirbisha	<i>Dephinium denudatum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole Plant	Useful in brain diseases, piles, fungal infections, diabetes, toothache as an astringent and analgesic	
Shrub	Tutfoor,Rachi	<i>Ephedra gerardina</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Twigs	Used for asthma , allergy and respiratory disorder	
Herb	Tengu,Tyangu	<i>Hyssopus officinalis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flower	Substitute for saffron, used to treat liver & blood disorder	
Fungi		<i>Morchella conica</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Indigestion,phlegm,shortness of breath	
Fungi	Gucchi	<i>Morchella esculenta</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Edible,laxative,body tonic,stomach problem,economic importance	
Fungi		<i>Agaricus campestris</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	treatment of cancer,Type-2 diabetes,high-cholesterol,digestive problem	
Fungi		<i>Agaricus macrocarpus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Intoxicating drink,edible	
Fungi		<i>Coprinus atramentaria</i>	MFP	Forest	Plenty	Plenty	Commercial and own use	Whole part	Balancing blood sugar level,diabetes properties	
Fungi		<i>Coprinus comatus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Mimics insulin	
Fungi		<i>Schizophyllum commune</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Anti-cancer activity,edible	
Herb		<i>Amaranthus viridis</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Treatment of fever, pain, asthma	
Herb		<i>Allium humile kunth</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Bulbs	Treatment of cholera, dysentery, cough	
Herb		<i>Allium semenovii</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Bulbs	Reduce blood cholesterol level	
Herb		<i>Pleurosermum stellatum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flowers	To make black or red dye, water proof black ink	
Herb	Khoree	<i>Aralia cachemirica</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	To treat RH, Nephritis, Gastritis, inflammation	

Herb		<i>Alliaria petiolata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Treatment of bronchitis, asthma, & Rh	
Shrub		<i>Lonicera oblate</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Aerial Part	Used for digestive disorders, including pain & swelling	
Herb		<i>Artemisia vestita</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Inflammatory diseases	
Herb		<i>Cicerbita macrorrhiza</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Fever	
Herb	Sunflower	<i>Helianthus annuus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaf, Seed	High fever, snake bite	
Herb	Pushkarmula	<i>Inula grandiflora</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Rhizomes	Chronic bronchitis & Rh	
Herb		<i>Sonchus asper</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Anti-bacterial & Anti-fungal	
Herb		<i>Rosularia alpestris</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Ornamental garden plants, Traditional Medicines	
Shrub		<i>Datisca cannabina</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Root	Treatment of Rh	
Tree		<i>Quercus baloot</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Whole part	Anti bacterial potential	
Tree		<i>Quercus semecarpifolia</i>	B/L	Forest	Plenty	Rare	Commercial and own use	Whole part	Diarrhoea, dysentery	
Herb		<i>Gentiana cachemirica</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Flowers	Digestion problem	
Herb		<i>Gentiana ornata</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Flowers	Diarrhoea, dysentery	
Herb		<i>Jaeschkea oligosperma</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Traditional Medicines	
Herb		<i>Geranium himalayense</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Garden uses, beds & borders	
Herb		<i>Geranium nepalense</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Nervous diseases, pains, Rh	
		<i>Geranium pusillum L.</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Used as an Anodyne, Astringent	
Herb		<i>Geranium rotundifolium</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Whole part	Used as an Anodyne, Astringent	
Herb		<i>Hypericum japonicum</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Flowers	Asthma & dycenty	
Shrub		<i>Philadelphus tomentosus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Flowers	Traditional Medicines	

Herb		<i>Ajuga integrifolia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaf	Diarrhea, Malaria	
Herb		<i>Lamium album</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Flowers	Abnormal vaginal discharge, & to relieve painful periods	
Herb		<i>Leonurus cardiaca</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seed	Gynecological afflictions	
Herb	Soyabean	<i>Glycine max</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Seed	Treatment of oedema, dysuria	
Shrub		<i>Robinia pseudoacacia</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Dried leaves	Wounds, Pain reliever	
Herb		<i>Lavatera cashmeriana</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaf, Flower	Throat problem, mild laxative	
Tree		<i>Ficus carica</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Fruit, leaves	Respiratory problems, Anti-inflammatory	
Tree		<i>Morus alba</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Bark	Asthma, Bronochits	
Climber		<i>Jasminum officinale</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Flower	Hepatitis, Diarrhea, Cancer treatment	
Herb		<i>Ranunculus distans</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves	Anti-Rh, Intermittent fever	
Herb		<i>Ranunculus hirtellus</i>	MFP	Forest	Plenty	Rare	Commercial and own use	Leaves, Flowers	Curing swelling in testes	

Format-19 : Wild Plant Species of Importance.

1	2	3	4	5	6
S. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Akhrot	<i>Juglans regia</i>	Wild/ local	Ecnomical & Social	Do exist
3	Phrast	<i>Populas alba</i>	Wild	Ecnomical & Social	Do exist
4	Kiker	<i>Acacia nilotica</i>	Wild	Ecnomical & Social	Do exist
5	Champ	<i>Alnus nitida</i>	Wild	Ecnomical & Social	Do exist
6	Heru	<i>Quercus ilex</i>	Wild	Ecnomical & Social	Do exist
8	Mohru	<i>Quercus floribunda</i>	Wild	Ecnomical & Social	Do exist
9	Bren	<i>Ulmus wallichiana</i>	Wild	Ecnomical & Social	Do exist
10	Mooiin	<i>Artemisia meritima</i>	Wild	Ecnomical & Social	Do exist
11	Boj Patar	<i>Betula utilis</i>	Wild	Cultural & Social	Do exist
12	Pudina	<i>Mentha longifolia</i>	Wild	Ecnomical & Social	Do exist
13	Socchal	<i>Malva neglecta</i>	Wild	Ecnomical & Social	Do exist
14	Pamachari/Pamchalan	<i>Rheum australe</i>	Wild	Ecnomical & Social	Do exist
15	Kuth	<i>Saussurea lappa</i>	Wild	Ecnomical & Social	Do exist
17	Naghchatri	<i>Trillium govaniaum</i>	Wild	Ecnomical & Social	Do exist
18	Ber	<i>Ziziphus mauritiane</i>	Wild	Ecnomical & Social	Do exist
19	Plum	<i>Prunus persica</i>	Wild	Ecnomical & Social	Do exist
21	Jangli angoor	<i>Vitis vinefera</i>	Wild	Ecnomical & Social	Do exist
22	Jangli gulab	<i>Rosa maschata</i>	Wild	Ecnomical & Social	Do exist
24	Ban tambaku	<i>Verbascum thapsus</i>	Wild	Ecnomical & Social	Do exist

25	Banafsha	<i>Viola odorata</i>	Wild	Ecnomical & Social	Do exist
26	Bankakdi	<i>Podophyllum hexandrum</i>	Wild	Ecnomical & Social	Do exist
28	Bhang	<i>Cannabis sativa</i>	Wild	Ecnomical & Social	Do exist
33	Chukri	<i>Rheum australe</i>	Wild	Ecnomical & Social	Do exist
34	Chuku	<i>Oxalis corniculata</i>	Wild	Ecnomical & Social	Do exist
37	Feku	<i>Ficus palmata</i>	Wild	Ecnomical & Social	Do exist
38	Gaddo	<i>Salvia moorcroftiana</i>	Wild	Ecnomical & Social	Do exist
39	Guggal	<i>Jurinea dolomiaea</i>	Wild	Ecnomical & Social	Do exist
41	Hamesh bahar	<i>Calendula officinalis</i>	Wild	Ecnomical & Social	Do exist
42	Handh	<i>Taraxacum officinale</i>	Wild	Ecnomical & Social	Do exist
43	Hillu	<i>Impatiens glandulifera</i>	Wild	Ecnomical & Social	Do exist
45	Kaimal	<i>Berberis lyceum</i>	Wild	Ecnomical & Social	Do exist
46	Kala zeera	<i>Bunium persicum</i>	Wild	Ecnomical & Social	Do exist
47	Kahjuban	<i>Arnebia benthami</i>	Wild	Ecnomical & Social	Do exist
53	Kinns	<i>Dioscorea deltoidea</i>	Wild	Ecnomical & Social	Do exist
54	Kour	<i>Picrorhiza Kurrooa</i>	Wild	Ecnomical & Social	Do exist
56	Mooiin	<i>Artemisa maritime</i>	Wild	Ecnomical & Social	Do exist
61	Neel Kanth	<i>Ajuga bracteosa</i>	Wild	Ecnomical & Social	Do exist
63	Patrishi	<i>Aconitum heterophyllum</i>	Wild	Ecnomical & Social	Do exist
65	Sapp Google	<i>Arisaema flavum</i>	Wild	Ecnomical & Social	Do exist
67	Sheshak	<i>Rhabdosia rugosa</i>	Wild	Ecnomical & Social	Do exist
69	Suchal	<i>Malva neglecta</i>	Wild	Ecnomical & Social	Do exist
75	Burdock	<i>Arctium lappa</i>	Wild	Ecnomical & Social	Do exist

80	Dandelion	<i>Taraxacum officinale</i>	Wild	Ecnomical & Social	Do exist
89	Kashmir Sage	<i>Salvia hians</i>	Wild	Ecnomical & Social	Do exist
110	Wild Strawberry	<i>Fragaria nubicola</i>	Wild	Ecnomical & Social	Do exist
111	Saunf	<i>Foeniculum vulgare</i>	Wild	Economic and Social	Rare
112	Chilgoza	<i>Pinus gerardiana</i>	Wild	Economic and Social	Rare
113	Kodra	<i>Paspalum scrobiculatum</i>	Wild	Economic and Social	Moderate
114	wild garlic	<i>Allium ursinum</i>	Wild	Economic and Social	Rare
115	Kasrore	<i>Diplazium esculentum</i>	Wild	Economic	Common
116	Kundiya/ Kundi	<i>Peziza violacea</i>	Wild	Economic	Rare
117	Gucchi	<i>Morchella esculenta</i>	Wild	Economic	Rare

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				
Frog (Mundak)	<i>Rana tigrina</i>	-	Long very powerful back led and web feet	Pond/river	Plenty	Rare	Play an important role in food chain and food web, act as both prey and predator. Adult frogs act as a bio-control for mosquitoes and other other insects.	NA	Maintain food chain and food wed.	Locals
Watercress (Nag Biber)	<i>Nasturtium officinale</i>	Aquatic flowering plant	Rapid growing perennial plant	Pond / watery place	Plenty	Plenty	As vegetable	Oldest known leafy vegetable consumed by humans	Its high content of Vitamin C makes it a good remedy to treat various chronic illnesses.	Locals
Maiden hair (Ghvtheer)	<i>Adiantum caudatum</i>	Aquatic Grass	It is a perennial fern producing fronds	Found in shaded areas	Plenty	Plenty	As an ornamental and medicinal plant	Fronds are said to be antiasthmatic and antispasmodic	It is used n the treatment of chest infection, cough, diabetes, fever and skin disease	Locals
Dragonfly/ jahaz	<i>Orthetrum triangulre</i>	Wild	Bluish and black in colour, with a large head	Found around slow moving waters	Common	Common	Acts as pollution indicator and as a biocontrol agent for mosquitoes, midges, etc.	Important in the maintenance of ecological balance	Nymphs completely aquatic while adults seen flying above the water source	Locals

Format-21 : Wild Aquatic Plant Species of Importance.

1	2	3	4	5	6
S. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Watercress (Nag biber)	<i>Nasturtium officinale</i>	Aquatic flowering plant	Oldest known aquatic plant consumed by humans. It has a high content of Vitamin C and is used to treat various chronic illnesses.	Found floating in slow waters with the help of long roots.
2	Maiden hair (Ghvtheer)	<i>Adiantum caudatum</i>	It is a perennial fern producing fronds	Fronds are said to be antiasthmatic and antispasmodic. It is used to treatment of chest infection, cough, diabetes, fever and skin disease	

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					
	Patish	<i>Aconitum heterophyllum</i> Wall. ex Royale	Wild	Temperate	Plenty	Moderate		Used against diarrhea, general weakness,	Roots	Market and own use	
	Praan, Gogcheegma	<i>Allium corolinianum</i> DC.	Wild	Temperate	Plenty	Common		Indigestion and in cooking pulses and vegetables by the nomads	Bulbs	Market and own use	
	Kalumb, Jangli kuth	<i>Aquilegia fragrans</i> Benth	Wild	Temperate	Plenty	Rare		Cystitis, gout, eczema, psoriasis and blood sugar	Roots	Market and own use	
	Ratanjot	<i>Arnebia euchroma</i> (Royale) Johnston	Wild	Temperate	Plenty	Rare		Anti-inflammatory, eye-diseases, cuts & wounds,	Roots	Market and own use	
	Sesum/ seski	<i>Artemisia maritima</i>	Wild	Temperate	Plenty	Common		Stomach-ache, intestinal worms,	Leaves	Market and own use	
	Gademer	<i>Berberis lycium</i> Royale	Wild	Temperate	Plenty	Common		Fruit extract against stomachache and diarrhoea,	Fruits, roots	Market and own use	

	Zakham-a-hayat, sapdotri	<i>Bergenia ciliata (Hookf.Thomas) Engl.</i>	Wild	Temperate	Plenty	Rare		Massage to cure body swelling, kidney stones,	Roots	Market and own use
	Kala zeera, siazeera	<i>Bunium persicum L</i>	Wild	Temperate	Plenty	Rare		Seed as spice, appetiser, reduces cholesterol,	Seeds	Market and own use
	Kumbh	<i>Colchicum leutum Baker</i>	Wild	Temperate	Plenty	Rare		Rheumatism, gout, diseases of liver and spleen	Corms	Market and own use
	Nirvisha	<i>Delphinium brunonianum Wall.</i>	Wild	Temperate	Plenty	Rare		Diabetes	Whole plant	Market and own use
	Bhang	<i>Cannabis sativa</i>	Wild	Low Lands	Abundant	Abundant		Narcotic	seeds/Leaves	Market and own use
	Datura	<i>Datura stramonium</i>	Wild	Low Lands	Plenty	Plenty		to treat headache,joint pain	seeds	Market and own use

Format 23: Wild relatives of Crops

1	2	3	4	5		6	7	8	9	10
Local Name	Scientific Name	Associated crop	Landscape / Habitat	Local Status		Uses (usage)	Part Used	Associated TK	Other details	Community / Know holder
				Past	Present					
Kalazera	<i>Cuminum cyminum</i>	NA	Steep slope	Plenty	Rare	Cooking Purpose	Seed	Medicinal value	Distinct taste, colour and flavour	Local
Wild onion/ keer, farn	<i>Allium stracheyi</i>	NA	Mountainous region	Plenty	Rare	As a substitute for onion in curries	Leaves and flowers	Medicinal value	Exotic plant used as a spice	Local

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
Gulab	<i>Rosa acicularis</i>	Local /wild	Temperate/ terrestrial	Non-commercial	Religious purpose	Rare	Locals
Nargis	<i>Narcissus tazetta</i>	Wild	Temperate/ terrestrial	Non-commercial	Religious purpose	Rare	Locals
Chameli	<i>Jasminum officinale</i>	Wild	Temperate/ terrestrial	Non-commercial	Religious purpose	Rare	Locals
Chinar	<i>Platanus orientalis</i>	Local	Temperate/ terrestrial	Non-commercial	Provide cool shade and home to many birds	Dried leaves are used as Kangri fuel	Locals
Safeda	<i>Populus ciliata</i>	Populus	Govt./ private premises	Commercial	Provides scenery/beauty to the area	Used in fruit packing industries	Locals

Format-25 : Fumigate/ Chewing Plants.

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local status		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community Knowledge Holder
					Past	Present					
Herb	Sonf/Bodiyana	<i>Foeniculum vulgare</i>	Broad Leaved	Low land	Plenty	lessAbundant	Used as a remedy for constipation and gastric troubles in infants	Seeds	Inhabitants have got knowledge w.r.t identification /common use of species	Bonafide purpose	Inhabitants of the area
	Jungli pudina	<i>Mentha longifolia</i>					Cooling agent and used in various ayurvedic medicines	Leaves			
	Bantambaku	<i>Verbascum thapsus</i>					Narcotic	Leaves			
	Bhang	<i>Cannabis sativa</i>					Used in medicines and a narcotic drug	leaves			
Herb	Dhoop	<i>Jurinea dolomiaea</i>					Religious/cultural/ Medicine	Roots			
Trees	Khor/Dun	<i>Juglanas regia</i>					Teeth cleaning, toothache	Leaves, bark			

Format-26 : Timber Plants.

1	2	3	4		5	6	7	8
Local Name	Scientific Name	Habitat	Local status		Other Uses, if any	Associated TK	Other Details	Community Knowledge Holder
			Past	Present				
Deodar	<i>Cedrus deodara</i>	Temperate zone	Timber	Timber	Oil use for skin infection	Provide durable timber		Locals
						Provide durable timber		
						Provide durable timber		
Kail	<i>Pinus wallichiana</i>	Temperate zone	Timber	Timber	Gum use in cracks	Provide durable timber		
						Provide durable timber		
Fir	<i>Abies pindrow</i>	Alpine	Timber	Timber		Provide durable timber		
Chir	<i>Pinus roxburghii</i>	Sub tropical				Provide durable timber		
Akhroot	<i>Juglans regia</i>	Temperate	Plenty	Common	Provide good timber / fruit	Provide durable timber	Hard wood	
Popular	<i>Populus ciliata</i>	Temperate	Plenty	Common	Packing industries	Provide good timber	Hard wood	

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	Session when seen	Local status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community Knowledge Holder
						Past	Present					
Mammal	Suh/Leopard	<i>Panthera pardus</i>	High altitude	Fur with dark rosettes	Throughout the year	Plenty	Rare					
	Jungli billi	<i>Felis chaus</i>	Lower scrub Forest	Grey , light brown in colour	Throughout the year	Plenty	Rare					
	Jackal/ Gidur	<i>Canis aureus</i>	Around Habitation	Nocturnal	Throughout the year	Plenty	Rare					
	Reech/ Bhalu/ yecch	<i>Ursus americanus</i>	High altitude	Omnivore, black in colour	Throughout the year	Plenty	Rare					
	Red fox	<i>Vulpus vulpus</i>	High altitude	Nocturnal	Throughout the year	Plenty	Moderate					
	Himalayan Brown Bear	<i>Ursus arctos</i>	High altitude	Omnivore	Throughout the year	Plenty	Rare					
	Eurasian Black Bear/ Bhalu	<i>Ursus thibetanus</i>	High altitude	Omnivore, black in colour with a white spot on the chest	Throughout the year	Plenty	Rare					
	Yellow-throated marten/ kuthur	<i>Martes flavigula</i>	High altitude	Yellowish and black in colour	Throughout the year	Common	Moderate					
	Ronsa	<i>Moschus leucogaster</i>	High altitude	Deer like with fore limbs smaller than hind limbs	Throughout the year	Plenty	Rare					
	Himalayan goral/ pijad	<i>Nemorhaedus goral</i>	High altitude	Resembles a goat but hair and tail comparatively shorter	Throughout the year	Plenty	Rare					

	langur/ vandar	<i>Semnopithecus ajax</i>	Around habitation	Greyish in colour with black face	Throughout the year	Plenty	Plenty
	Monkey	<i>Rhesus macaque</i>	Around Habitation	Brownish in colour, pest of crop plants and fruits	Throughout the year	Plenty	Plenty
Rodents	Chuha	<i>Mus booduga</i>	fields	smaller in size than a house rat	Throughout the year	Plenty	Common
	Yon/ Flying squirrel	<i>Eoglaucomys fimbriatus</i>	Around Habitation	Nocturnal, Greyish Black in colour with a furry tail	Throughout the year	Abundant	Moderate
	Chuha, moosho	<i>Rattus rattus</i>	Houses	Grey colour, large size	Throughout the year	Plenty	Abundant
Reptiles	Saanp	<i>Lycodon Mackinnoni</i>	Rocky Hills	Limbless, carnivore with mobile jaw	Throughout the year	Plenty	Common
	Russell's viper/ Gunus	<i>Vipera russelii</i>	Rocky Hills	Limbless, carnivore with mobile jaw	Throughout the year	Plenty	Common
	Common Skink/ Lishik	<i>Lygosoma himalayanus</i>	Temperate	Quadrepedal, Black with a reddish ventral side & thin tail	Throughout the year	Common	Common
	Northern house gecko	<i>Hemidactylus flaviviridis</i>	Temperate	Quadrepedal, pale yellowish in colour	Summer	Common	Common
	Chidya	<i>Passer domestica</i>	Around habitation	Small birds with sexual dimorphism, feed on seeds & grains	Throughout the year	Plenty	Common
	Koel	<i>Eudynamys scolopaceus</i>	Around habitation	Feeds on seeds, weeds, grain, male dark black in colour with a yellow beak while the female is	Throughout the year	Plenty	Common
	Tota	<i>Psittacula himalayana</i>	Migratory	Green in colour with a slaty head	Throughout the year	Common	Common
	kawa	<i>Corvus splendens</i>	Around habitation	Black in colour with a greyish neck, smaller than the jungle crow	Throughout the year	Plenty	Common
	Cheel	<i>Milvus migrans</i>	Temperate	Carvinore, solitary bird	Throughout the year	Plenty	Common

Necessary for maintenance of Ecological balance

Prohibited

Locals having good knowledge with respect to their identification

	Honey Bee	<i>Apis mellifera</i>	Temperate	Small, black and yellow in colour. Produces honey and also an important pollinator.	Throughout the year	Abundant	Rapidly declining in wild		
	Ant/ Chinti	<i>Solenopsis invicta</i>	Temperate	Black in colour, nuisance pest	Throughout the year	Common	Plenty		
	Machar	<i>Culex</i> sp.	Temperate	Small light coloured with black and white abdomen, nuisance pest, vector of many diseases	Summer	Common	Abundant		
Annelids	Earthworm	<i>Pheritima posthuma</i>	Temperate region	Slender, pinkish in colour with a segmented body.	Summer	Common	Common		
	Leech	<i>Hirudo medicinalis</i>	Temperate region	Soft, segmented body	Summer	Common	Common		

Format-29 : Flora.

1	2	3	4	5	6	7
S. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare/ Common etc.)
1	Deodar	<i>Cedrus deodara</i>	Tree		September to October	
2	kail	<i>Pinus wallichiana</i>	Tree		September to October	
3	Fir	<i>Abies pindrow</i>	Tree		September to October	
4	Spruce	<i>Picea</i>	Tree		September to October	
5	Chalgoza	<i>Pinus gerdiana</i>	Tree		September to October	
6	Walnut	<i>Juglans regia</i>	Tree		March April	
7	Brahmi	<i>Texax bacata</i>	Tree		September October	
8	Hum	<i>Fraxinus excelsior</i>	Tree		April May	
9	Zum	<i>Prunus cornata</i>	Tree		April May	
10	Champ	<i>Ulmus tindiea</i>	Tree		April May	
11	H.C Nut	<i>Aesculus indica</i>	Tree		April May	
12	Trikana	<i>Acerspp</i>	Tree		April May	
13	Bhojpatra	<i>Betula utilis</i>	Tree		April May	
14	Heru	<i>Quercus agrifolia</i>	Tree		April May	
15	Hatab	<i>Parrotia</i>	Tree		April May	
16	Safeda	<i>Eucalyptus globulus</i>	Tree		April May	
17	Thangi	<i>Corylus avellana</i>	Tree		April May	
18	Alder	<i>Alnus serrulata</i>	Tree		April May	
19	Maples	<i>Acer pseudoplatanus</i>	Tree		April May	
20	Willow	<i>Salix alba</i>	Tree		April May	
21	Ash	<i>Fraxinus</i>	Tree		April May	

Format-30 : Fauna.

1	2	3	4	5	6
S. No.	Local Name	Scientific Name	Type of Animals (Mammals/ Birds/ Fish/ Insect etc.)	Habitat	Remarks (Rare/ Common etc.)
1	Leopard	<i>Panthera pardus</i>	Mammal	Forest	Rare
2	Jackal	<i>Coins aurus</i>	Mammal	Forest	Common
3	Black bear	<i>Ursus americanus</i>	Mammal	Forest	Rare
4	Shail/ Porcupine	<i>Hystrise indica</i>	Mammal	Forest	Rare
5	Chuha/Rate	<i>Mus booduga</i>	Mammal	Home/forest	Common
6	Wild shawl	<i>Nudibranchs</i>	Mammal	Home/forest	Rare
7	Wild goat	<i>Capra aegagrus</i>	Mammal	Home/forest	Rare
8	Wild dog	<i>Lycaon pictus</i>	Mammal	Home/forest	Rare
9	Wild fox	<i>Vulpes vulpes</i>	Mammal	Home/forest	Common
10	Wild cat	<i>Felis silvestris</i>	Mammal	Home/forest	Common
11	Chakor	<i>Alectoris chukar</i>	Bird	Home/forest	Rare
12	Pintail	<i>Anas acuta</i>	Bird	Every where	Rare
13	parrot	<i>Psittaciformes</i>	Bird	Every where	Rare
14	Pigeon	<i>Columbidae</i>	Bird	Every where	Rare
15	House Sparrow	<i>Passer domesticus</i>	Bird	Every where	Rare
16	Sparrow	<i>Passer domesticus</i>	Bird	Every where	Rare
17	crow	<i>Corvus</i>	Bird	Every where	Rare
18	Peacock	<i>Pavo cristatus</i>	Bird	Every where	Rare
19	Bearded Vulture	<i>Gypaetus barbatus</i>	Bird	AS, RO, AE	Rear
20	Black Kite	<i>Milvus migrans</i>	Bird	GD, PC, FD, AE	Rear

21	Black- eared Kite	<i>Milvus [migrans] lineatus</i>	Bird	GD, AE	Summer Visitors
22	Bonelli's Eagle	<i>Aquila fasciata</i>	Bird	AE, OH	Winter Visitors
23	Booted Eagle	<i>Hieraaetus pennatus</i>	Bird	PS, AE, RO	Winter Visitors
24	Cinereous vulture	<i>Aegypius monachus</i>	Bird	TB, OH, AE	Winter Visitors
25	Eastern Imperial Eagle	<i>Aquila heliaca</i>	Bird	TC, OH, AE	Winter Visitors
26	Egyptian Vulture	<i>Neophron percnopterus</i>	Bird	GD, AE, FD	Summer Visitors
27	Eurasian Sparrowhawk	<i>Accipiter nisus</i>	Bird	RF, TB, UF	Rear
28	Griffon Vulture	<i>Gyps fulvus</i>	Bird	RO, AE	Rear
29	Hen Harrier	<i>Circus cyaneus</i>	Bird	AE, OS	Winter Visitors
30	Himalayan Buzzard	<i>Buteo burmanicus</i>	Bird	PC, AS, AE	Rear
31	Himalayan Vulture	<i>Gyps himalayensis</i>	Bird	PC, AS, RO, FD	Rear
32	Mountain Hawk Eagle	<i>Nisaetus nipalensis</i>	Bird	TB, TC, PC	Rear
33	Northern Goshawk	<i>Accipiter gentilis</i>	Bird	UF, RF	Winter Visitors
34	Shikra	<i>Accipiter badius</i>	Bird	UF, TB, TC, PC	Rear
35	Short-toed Snake Eagle	<i>Circaetus gallicus</i>	Bird	CV, FD, OS	Passage Migrants
36	Steppe Eagle	<i>Aquila nipalensis</i>	Bird	GD, RF, UF, AE	Winter Visitors
37	Oriental Skylark	<i>Alauda gulgula</i>	Bird	PC	Summer Visitors
38	Himalayan Pied Kingfisher	<i>Ceryle lugubris</i>	Bird	AQ, RF	Rear
39	Lesser Pied Kingfisher	<i>Ceryle rudis</i>	Bird	AQ, RF	Rear
40	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	Bird	AQ, RF	Rear
41	Bar-headed Goose	<i>Anser indicus</i>	Bird	AQ	Passage Migrants
42	Common Pochard	<i>Aythya ferina</i>	Bird	AQ	Passage Migrants
43	Eurasian Wigeon	<i>Mareca penelope</i>	Bird	AQ	Passage Migrants
44	Garganey	<i>Querquedula querquedula</i>	Bird	AQ	Passage Migrants
45	Mallard	<i>Anas platyrhynchos</i>	Bird	AQ	Passage Migrants

46	Northern Pintail	<i>Anas acuta</i>	Bird	AQ	Passage Migrants
47	Northern Shoveler	<i>Spatula clypeata</i>	Bird	AQ	Passage Migrants
48	Tufted Duck	<i>Aythya fuligula</i>	Bird	AQ	Passage Migrants
49	Alpine Swift	<i>Tachymarptis melba</i>	Bird	AS, RO, AE	Summer Visitors
50	Common Swift	<i>Apus apus</i>	Bird	UF, RF, TB, AE	Summer Visitors
51	White-throated Needletail	<i>Hirundapus caudacutus</i>	Bird	TB, TC, PC, FD	Summer Visitors
52	Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Bird	CV, AQ	Winter Visitors
53	Long-tailed Minivet	<i>Pericrocotus ethologus</i>	Bird	UF, TC, PC	Summer Visitors
54	Great Barbet	<i>Megalaima virens</i>	Bird	UF, TB	Rear
55	Bar-tailed Treecreeper	<i>Certhia himalayana</i>	Bird	UF, TB, TC, PC	Rear
56	Hodgson's Treecreeper	<i>Certhia hodgsoni</i>	Bird	TB, TC, PC	Rear
57	Strong-footed Bush Warbler	<i>Horornis fortipes</i>	Bird	FD, TB, RF	Summer Visitors
58	Red-wattled Lapwing	<i>Vanellus indicus</i>	Bird	CV, AQ	Summer Visitors
59	Brown Dipper	<i>Cinclus pallasii</i>	Bird	AQ	Rear
60	Grey-breasted Prinia	<i>Prinia hodgsonii</i>	Bird	UF, TB	Rear
61	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	Bird	UF, TB, CV	Summer Visitors
62	Oriental Turtle Dove	<i>Streptopelia orientalis</i>	Bird	TB, PC, FD, UF	Summer Visitors
63	Rock Pigeon	<i>Columba livia</i>	Bird	UF, TB, CV	Rear
64	Snow Pigeon	<i>Columba leuconota</i>	Bird	AS, RO	Rear
65	Spotted Dove	<i>Spilopelia chinensis</i>	Bird	UF, TB, CV	Summer Visitors
66	Alpine Chough	<i>Pyrrhocorax graculus</i>	Bird	AS, RO, PS	Rear
67	Black-headed Jay	<i>Garrulus lanceolatus</i>	Bird	UF, TC	Rear
68	Common Raven	<i>Corvus corax</i>	Bird	AS, RO	Rear
69	Eurasian Jackdaw	<i>Coloeus monedula</i>	Bird	UF, TB, TC	Rear
70	Eurasian Jay	<i>Garrulus glandarius</i>	Bird	TB, TC	Rear

71	Asian Koel	<i>Eudynamys scolopaceus</i>	Bird	UF, TB, OS	Summer Visitors
72	Common Cuckoo	<i>Cuculus canorus</i>	Bird	UF, TB, TC	Summer Visitors
73	Lesser Cuckoo	<i>Cuculus poliocephalus</i>	Bird	TB, TC	Summer Visitors
74	Ashy Drongo	<i>Edolius leucophaeus</i>	Bird	UF, RF, TB	Summer Visitors
75	Black Drongo	<i>Edolius macrocercus</i>	Bird	UF, RF, TB, FD	Summer Visitors
76	Crested Bunting	<i>Emberiza lathami</i>	Bird	CV, RF, OH	Summer Visitors
77	Pine Bunting	<i>Emberiza leucocephalos</i>	Bird	OH, TC, PC, CV	Winter Visitors
78	Rock Bunting	<i>Emberiza cia</i>	Bird	UF, TB, TC, PC	Rear
79	White-capped Bunting	<i>Emberiza stewarti</i>	Bird	UF, TB, CV	Summer Visitors
80	Common Kestrel	<i>Falco tinnunculus</i>	Bird	UF, TB, TC, PC	Rear
81	Eurasian Hobby	<i>Falco subbuteo</i>	Bird	TB, OH, TC, OS, RF	Summer Visitors
82	Peregrine Falcon	<i>Falco peregrinus calidus</i>	Bird	RF, TB, OHRF, TB, OH	Winter Visitors
83	Black-and-Yellow Grosbeak	<i>Mycerobas icteroides</i>	Bird	TB, TC, PC	Rear
84	Brambling	<i>Fringilla montifringilla</i>	Bird	OS, TB, UF	Winter Visitors
85	Collared Grosbeak	<i>Mycerobas affinis</i>	Bird	TC, PC, FD	Rear
86	Common Rosefinch	<i>Erythrina erythrina</i>	Bird	RF, UF, AS, CV	Summer Visitors
87	Eurasian Goldfinch	<i>Carduelis carduelis</i>	Bird	TC, PC, DO, FD	Rear
88	Fire-fronted Serin	<i>Serinus pusillus</i>	Bird	RF, UF, TB	Rear
89	Himalayan Greenfinch	<i>Chloris spinoides</i>	Bird	TB, TC, AS, CV	Summer Visitors
90	Pink-browed Rosefinch	<i>Carpodacus rodochroa</i>	Bird	DO, AS, PS	Rear
91	Plain Mountain Finch	<i>Leucosticte nemoricola</i>	Bird	AS, PS, FD, RO	Rear
92	Red-browed Finch	<i>Callacanthis burtoni</i>	Bird	TC, PC	Rear
93	White-winged Grosbeak	<i>Mycerobas carnipes</i>	Bird	TC, PC, AS, FD	Rear
94	Asian House Martin	<i>Delichon dasypus</i>	Bird	UF, RF, CV	Summer Visitors
95	Barn Swallow	<i>Hirundo rustica</i>	Bird	AQ, RF, UF	Summer Visitors

96	Red-rumped Swallow	<i>Cecropis daurica</i>	Bird	AQ, RF, UF	Summer Visitors
97	Bay-backed Shrike	<i>Lanius vittatus</i>	Bird	TB, RF, UF, CV	Summer Visitors
98	Grey-backed Shrike	<i>Lanius tephronotus</i>	Bird	TB, RF, UF, CV	Summer Visitors
99	Long Tailed Shrike	<i>Lanius schach</i>	Bird	TB, RF, UF, CV	Summer Visitors
100	Brown-headed gull	<i>Chroicocephalus brunnicephalus</i>	Bird	AQ, CV	Passage Migrants
101	Bar-throated Minla	<i>Chrysominla strigula</i>	Bird	UF, AS, FD	Rear
102	Streaked Laughingthrush	<i>Trochalopteron lineatum</i>	Bird	UF, RF, TB	Rear
103	Variiegated Laughingthrush	<i>Trochalopteron variegatum</i>	Bird	UF, RF, TB, AS	Rear
104	White-throated Laughingthrush	<i>Garrulax albogularis</i>	Bird	UF, RF, TB, AS	Rear
105	European Bee-eater	<i>Merops apiaster</i>	Bird	OS, CV, OH	Summer Visitors
106	Asian Paradise Flycatcher	<i>Terpsiphone paradisi</i>	Bird	UF, RF, TB	Summer Visitors
107	Citrine Wagtail	<i>Motacilla citreola</i>	Bird	AQ, UF, RF, CV	Summer Visitors
108	Forest Wagtail	<i>Dendronanthus indicus</i>	Bird	TB, TC, OS	Passage Migrants
109	Grey Wagtail	<i>Motacilla cinerea</i>	Bird	UF, RF, CV,AQ	Summer Visitors
110	Paddyfield Pipit	<i>Anthus rufulus</i>	Bird	CV, OS	Rear
111	Rosy Pipit	<i>Anthus roseatus</i>	Bird	AS, RO, FD	Summer Visitors
112	Tree Pipit	<i>Anthus trivialis</i>	Bird	TB, TC, PC, CV	Summer Visitors
113	Upland Pipit	<i>Anthus sylvanus</i>	Bird	OH, RO, PC	Rear
114	Western Yellow Wagtail	<i>Motacilla flava</i>	Bird	CV, AQ, UF	Passage Migrants
115	White Wagtail	<i>Motacilla alba</i>	Bird	AQ, UF, TB,AS	Summer Visitors
116	Black Redstart	<i>Phoenicurus ochruros</i>	Bird	RF, TB	Passage Migrants
117	Blue Whistling Thrush	<i>Myophonus caeruleus</i>	Bird	AQ, RF, UF, TB	Rear
118	Blue-capped Redstart	<i>Phoenicurus coeruleocephala</i>	Bird	RF, UF, TB. AS	Rear
119	Blue-fronted Redstart	<i>Phoenicurus frontalis</i>	Bird	TB, DO, AS	Rear
120	Blue-headed Rock-thrush	<i>Monticola cinclorhynchus</i>	Bird	RF, UF, TB, PC	Summer Visitors

121	Chestnut-bellied Rock- thrush	<i>Monticola rufiventris</i>	Bird	TC, PC	Rear
122	Siberian Stonechat	<i>Saxicola torquatus</i>	Bird	RF, TB,TC	Summer Visitors
123	Dark-sided Flycatcher	<i>Muscicapa sibirica</i>	Bird	TB,TC	Summer Visitors
124	Desert Wheatear	<i>Oenanthe deserti</i>	Bird	CV, OH	Summer Visitors
125	Golden Bush Robin	<i>Tarsiger chrysaeus</i>	Bird	TB	Rear
126	Grey Bushchat	<i>Rhodophila ferrea</i>	Bird	RF, UF, TB	Rear
127	Himalayan Red-flanked Bush-robin	<i>Tarsiger rufilatus</i>	Bird	TB, TC, DO	Rear
128	Indian Blue Robin	<i>Larvivora brunnea</i>	Bird	RF, UF	Summer Visitors
129	Little Forktail	<i>Enicurus scouleri</i>	Bird	AQ, RF	Rear
130	Oriental Magpie-robin	<i>Copsychus saularis</i>	Bird	RF, UF, TB	Rear
131	Pied Bushchat	<i>Saxicola caprata</i>	Bird	TB, CV, OS	Rear
132	Plumbeous Water-redstart	<i>Phoenicurus fuliginosus</i>	Bird	AQ, RF	Rear
133	Spotted Forktail	<i>Enicurus maculates</i>	Bird	AQ, RF	Rear
134	Ultramarine Flycatcher	<i>Ficedula superciliaris</i>	Bird	UF, TB, TC, PC	Summer Visitors
135	Verditer Flycatcher	<i>Eumyias thalassinus</i>	Bird	UF, TB, TC, CV	Summer Visitors
136	White-capped River-chat	<i>Phoenicurus leucocephalus</i>	Bird	AQ, RF	Rear
137	White-winged Redstart	<i>Phoenicurus erythrogastrus</i>	Bird	RF, AS, RO	Summer Visitors
138	Indian Golden Oriole	<i>Oriolus kundoo</i>	Bird	UF, RF, TB	Summer Visitors
139	Cinereous Tit	<i>Parus cinereus</i>	Bird	RF, UF, TB, TC, PC, FD, CV	Rear
140	Coal Tit	<i>Periparus ater melanolophus</i>	Bird	TB, TC, PC, FD	Summer Visitors
141	Green-backed Tit	<i>Parus monticolus</i>	Bird	RF, UF, TB, TC, PC	Rear
142	Rufous-napped Tit	<i>Periparus rufonuchalis</i>	Bird	RF, UF, TB, TC, PC, FD	Rear
143	House Sparrow	<i>Passer domesticus</i>	Bird	RF, UF, TB,CV	Rear
144	Cinnamon Sparrow	<i>Passer rutilans</i>	Bird	RF, UF, TB,CV	Rear
145	Indian Pond-heron	<i>Ardeola grayii</i>	Bird	AQ	Rear

146	Little Egret	<i>Egretta garzetta</i>	Bird	AQ	Rear
147	Great Cormorant	<i>Phalacrocorax carbo</i>	Bird	AQ	Winter Visitors
148	Chukar Partridge	<i>Alectoris chukar</i>	Bird	TB, TC, OS, CV	Rear
149	Himalayan Monal	<i>Lophophorus impejanus</i>	Bird	PC, DO, AS, FD, PS	Rear
150	Kaleej Pheasant	<i>Lophura leucomelanos</i>	Bird	RF, TB, CV	Rear
151	Koklass Pheasant	<i>Pucrasia macrolopha</i>	Bird	TB, TC, PC, FD	Rear
152	Western Tragopan	<i>Tragopan melanocephalus</i>	Bird	DO, AS, RO	Rear
153	Common Chiffchaff	<i>Phylloscopus collybita</i>	Bird	RF, TB, DO, AS	Winter Visitors
154	Greenish Warbler	<i>Phylloscopus trochiloides</i>	Bird	TB, PC, AS, FD	Summer Visitors
155	Grey-hooded Warbler	<i>Phylloscopus xanthoschistos</i>	Bird	TB, TC, DO, FD	Rear
156	Hume's Leaf-warbler	<i>Phylloscopus humei</i>	Bird	TB, DO, AS	Summer Visitors
157	Mountain Chiffchaff	<i>Phylloscopus sindianus</i>	Bird	AS, RO, FD	Summer Visitors
158	Pale-rumped warbler	<i>Phylloscopus chloronotus</i>	Bird	TB, DO, PC, AS	Summer Visitors
159	Orange-barred Leaf-warbler	<i>Phylloscopus pulcher</i>	Bird	TB, PC, AS, CV	Rear
160	Smoky Leaf-warbler	<i>Phylloscopus fulgiventor</i>	Bird	AS, RO, FD	Passage Migrants
161	Sulphur-bellied warbler	<i>Phylloscopus griseolus</i>	Bird	TC, PC, AS	Summer Visitors
162	Tickell's Leaf-warbler	<i>Phylloscopus affinis</i>	Bird	UF, TB, FD, CV	Summer Visitors
163	Western Crowned Warbler	<i>Phylloscopus occipitalis</i>	Bird	PC, AS	Summer Visitors
164	Grey faced Woodpecker	<i>Picus canus</i>	Bird	TB, FD	Rear
165	Himalayan Pied Woodpecker	<i>Dendrocopos himalayensis</i>	Bird	TB, TC, PC, DO, FD	Rear
166	Speckled Piculet	<i>Vivia innominata</i>	Bird	TB, TC	Rear
167	Little Grebe	<i>Tachybaptus ruficollis</i>	Bird	AQ	Rear
168	Alpine Accentor	<i>Prunella collaris</i>	Bird	AS, RO, PS	Rear
169	Black-throated Accentor	<i>Prunella atrogularis</i>	Bird	UF, TC, FD	Winter Visitors
170	Rufous-breasted Accentor	<i>Prunella strophciata</i>	Bird	TC, PC, DO, FD, PS	Rear

171	Himalayan Parakeet	<i>Psittacula himalayana</i>	Bird	UF, TB	Summer Visitors
172	Plum-headed Parakeet	<i>Psittacula cyanocephala</i>	Bird	UF, RF, TB	Summer Visitors
173	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Bird	UF	Summer Visitors
174	Himalayan Black Bulbul	<i>Hypsipetes leucocephalus</i>	Bird	RF, UF, TB	Rear
175	Himalayan Bulbul	<i>Pycnonotus leucogenys</i>	Bird	RF, UF, TB, TC, PC	Rear
176	Common Moorhen	<i>Gallinula chloropus</i>	Bird	AQ	Rear
177	Eurasian Coot	<i>Fulica atra</i>	Bird	AQ	Rear
178	Goldcrest	<i>Regulus regulus</i>	Bird	TC, PC, FD	Rear
179	Eurasian Curlew	<i>Numenius arquata</i>	Bird	AQ, CV	Passage Migrants
180	Hume's Whitethroat	<i>Sylvia althaea</i>	Bird	AS, AQ	Summer Visitors
181	Kashmir Nuthatch	<i>Sitta cashmirensis</i>	Bird	TC, PC, FD	Rear
182	White-cheeked Nuthatch	<i>Sitta leucopsis</i>	Bird	TC, PC	Rear
183	Grey-headed Canary- flycatcher	<i>Culicicapa ceylonensis</i>	Bird	RF, TB, TC	Summer Visitors
184	Asian Barred Owlet	<i>Glaucidium cuculoides</i>	Bird	UF, TB, TC, PC	Rear
185	Collared Owlet	<i>Glaucidium brodiei</i>	Bird	DO, PC	Rear
186	Tawny Owl	<i>Strix aluco</i>	Bird	PC, DO, TB	Rear
187	Brahminy Starling	<i>Sturnia pagodarum</i>	Bird	UF, TB	Summer Visitors
188	Common Myna	<i>Acridotheres tristis</i>	Bird	RF, UF, CV	Rear
189	Wallcreeper	<i>Tichodroma muraria</i>	Bird	OH, RO (River side)	Winter Visitors
190	Black-chinned babbler	<i>Cyanoderma pyrrhops</i>	Bird	TB, OS	Rear
191	Rusty-cheeked Scimitar- babbler	<i>Megapomatorhinus erythrogyne</i>	Bird	Tb, TC, CV	Rear
192	Eurasian Wren	<i>Troglodytes troglodytes</i>	Bird	RF, TB, DO, AS, RO	Rear
193	Black-throated Thrush	<i>Turdus atrogularis</i>	Bird	PC, AS, PS, FD	Winter Visitors
194	Chestnut Thrush	<i>Turdus rubrocanus</i>	Bird	RF, UF, TB, TC	Summer Visitors
195	Grey-winged Blackbird	<i>Turdus boulboul</i>	Bird	UF, TB, TC	Rear

196	Mistle Thrush	<i>Turdus viscivorus</i>	Bird	PC, TC, AS, FD	Rear
197	Plain-backed Thrush	<i>Zoothera mollissima</i>	Bird	PC, AS, RO	Rear
198	Tickell's Thrush	<i>Turdus unicolor</i>	Bird	TB,UF	Summer Visitors
199	Common Hoopoe	<i>Upupa epops</i>	Bird	CV, UF	Summer Visitors
200	Oriental White-eye	<i>Zosterops palpebrosus</i>	Bird	RF, UF, TB	Summer Visitors
201	Butterfly	<i>Rhopalocera</i>	Insect	Every where	Rare
202	Bee	<i>Apis sp.</i>	Insect	Every where	Rare
203	Beetle	<i>Coleoptera</i>	Insect	Every where	Rare
204	Mosquito	<i>Culix sp.</i>	Insect	Every where	Rare
205	Lady bird	<i>Coccinella sp.</i>	Insect	Every where	Rare
206	Fly	<i>Diptera</i>	Insect	Every where	Rare
207	Bedbug	<i>Cimex Letularius</i>	Insect	Every where	Rare
	AS	Alpine Scrub			
	RO	Rockey Outcrops			
	AE	Ariel Edges			
	GD	Garbage Dumps			
	OH	Open Hill			
	OS	Open Scrub			
	TB	Temperate Broadleaf			
	TC	Temperate Conifer			
	RF	Riparian Forest			
	UF	Urban Forest			
	AQ	Aquatic Forest			

Format-31 : Any other information of local importance.

1	2	3
S. No.	Information of local importance	Remarks
1	Shilajeet (Pather Momiya)	Shilajeet contains fulvic acid & morethan 84 minerals. It offers numerous health benefits.
2		