

**Biodiversity Register (PBR): General Details**

**Name of the Panchayat Samity: Matta- A**

**Taluk: Kishtwar**

**District: Kishtwar**

**UT: Jammu & Kashmir**

**Geographical Area of the Panchayat Samity: 221 Hact.**

**Population under the Panchayat Samity: Total 1870**

**Male: 960                  Female: 910**

**Habitat and Topography: Hilly terrain**

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

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

**End of Part Ist**

## Annexure 1

<b>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)</b>
1) Name of the Chairperson: Gh. Hiader Ahanger
Age: 68 Years
Gender: Male
Address: Matta
Area of specialization: Retd. Assistant Vet. Officer
2) Name: Pummy Devi
Age: 39 Years
Gender: Female
Address: Matta
Area of specialization: Housewife
3) Name: Babli Devi
Age: 34 Years
Gender: Female
Address: Matta
Area of specialization: Housewife
4) Name: Nitu Rani
Age: 32 Years
Gender: Female
Address: Matta
Area of specialization: Housewife
5) Name : Krishan Lal
Age: 61 Years
Gender: Male
Address: Matta
Area of specialization: Retd. Subedar

6)Name : Bhushan Kumar
Age: 46 Years
Gender: Male
Address: Matta
Area of specialization: Shopkeeper

7)Name : Shakti Parihar
Age: 69 Years
Gender: Male
Address: Matta
Area of specialization: Retd. Headmaster

## Annexure 2

<b>List of <i>Vaids, hakims</i> and traditional health care (human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village</b>
Name: Rajesh Sharma
Age:
Gender: Male
Address: Matta
Area of Specialization: Vaid
Location from which the person accesses biological material: Fields, Forest
Perception of the practitioner on the resource status: Medicinal use
Name:
Age:
Gender:
Address:
Area of Specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status: Medicinal use:
Name:
Age:
Gender:
Address:
Area of Specialization:
Location from which the person accesses biological material: Forest
Perception of the practitioner on the resource status: Medicinal use:

### Annexure 3

<b>List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and forestry</b>
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Name: Baldev Singh
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Age:
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Gender: Male
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Address: Matta
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Area of specialization: Farmer
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Name:
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Age:
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Gender:
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Address:
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Area of specialization:
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Name:
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Age:
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Gender:
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Address:
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Area of specialization :
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Name:
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Age:
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Gender:
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Address:
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Area of specialization
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## Annexure 4

<b>Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR</b>
1) Name and Occupation: Bhanu Vijay Singh,Teacher
Contact: 8493801892
2) Name and Occupation: Vinod Kumar Bhandari, NGO
Contact : 9797036946
3) Name and Occupation: Madhu Parihar, Agriculture Department
Contact : 9906066442
4) Name and Occupation: Mohd Amin, Forest Department
Contact : 9622321781

## Annexure 5

<b>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</b>					
<b>No</b>	<b>Name and address of the Person /institution/ company/ others</b>	<b>Local and Scientific Name of the biological material Accessed and quantity</b>	<b>Date and resolution of the BMC and endorsement by the panchayat</b>	<b>Details of collection fee imposed</b>	<b>Anticipated mode of sharing benefits or quantum of benefits shared</b>
	NIL	NIL	NIL	NIL	NIL



## 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>	Gundam	Local	Temperate conditions	56.7	Plenty	Plenty	-do-	May-June	Food Fodder	Provides more energy	Not-known	Local preserved / Agriculture Deptt.	Locals & Deptt. Of Agriculture
Beans	<i>Phaseolus vulgaris</i>	Rajmash	Local	Temperate conditions	25.2	Plenty	Plenty	Resistant to drought, pests & diseases	Sept-Oct	Food Fodder	Provides more energy	Not-known	Local preserved	Locals & Deptt. Of Agriculture
Maize	<i>Zea mays</i>	Makki	Local	Temperate conditions	15.25	Plenty	Plenty	-do-	Sept-Oct	Food Fodder	Provides more energy	Not-known	Local preserved	Locals & Deptt. Of Agriculture
Saffron	<i>Crocus sativus</i>	Kung, kesar	Local	Temperate conditions	5 hac	Plenty	Plenty		April- May	Spice, cosmetic & medicinal use	Added to milk as an aphrodisiac	Religious purpose	Saved from previous year crop	Locals & Deptt. Of Agriculture
Cucumber	<i>Cucumis sativus</i>	Khira	Local / Hybrid	Temperate conditions	NA	Plenty	Plenty		Aug-Sept	Eaten raw as a salad	Used as a diuretic and to prevent heat rash	Plant is a climber with green, elongated fruit	Local preserved / Seed shops	Locals & Deptt. Of Agriculture
Radish	<i>Raphanus sativus</i>	Mooli	Local	Temperate conditions	NA	Plenty	Plenty	NA	2-3 crops in a year	Eaten raw as salad or cooked as a vegetable, also used as pickle	Juice of leaves a good remedy for jaundice	Round or elongated in shape, white colored	Local preserved/ shops	Locals & Deptt. Of Agriculture

Tomato	<i>Lycopersicum esculentum</i>	Tamatar	Local / Hybrid	Temperate conditions	NA	Plenty	Plenty	NA	July-Sept	as vegetable and jam	Rich in vitamin C and Lycopene	Plant small, branched, fruits of varied taste, colour and shape based on the variety planted	Local preserved / shops	Locals & Deptt. Of Agriculture
Kholrabi	<i>Brassica oleracea</i>	Kadam, monj	Local	Temperate conditions	NA	Plenty	Plenty	High yield production	Twice in a year	Leaves and stem relished as vegetable and pickle.	One of the most commonly cooked vegetables	Higly nutritious	Local preserved / Agriculture Deptt./ shops	Locals & 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	Dried by the local people for winters.	Local preserved / Agriculture Deptt./ shops	Locals & Deptt. Of Agriculture
Green Chilly	<i>Capsicum annuum</i>		Mirchi	Local/ Hybrid	Temperate conditions	NA	Plenty	Plenty	High yield production		May- Aug	As vegetable	Improve immune system	Green and red in colour. Used in cooking and also eaten raw
Lentil	<i>Lens culinaris</i>	Masoor	Local	Lowland valleys	NA	Plenty	Plenty	Resistant to drought, pests & diseases	April- May	Food, Fodder	Good for liver and kidneys	Eaten raw also	Local preserved	Locals

### 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/ ownuse	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.	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 prostate 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>Punica granatum</i>	Anardana/ Pomegranate	Local / Hybrid	-do-	Plenty	Wild Rare/ Hybrid plenty	Local preserved	Sept-Oct	Rich source of iron, good for digestion	As fruit, juice and as chutney	Market / 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	Other details	Community / Knowledge holder
				Past	Present					
Oat	<i>Avena sativa</i>	Lawn	Lowland valleys	Rare	Plenty	Local preserved / Agriculture Deptt.	Green & dry plant used as fodder for the livestock	Whole plant	Fodder for livestock	Locals
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
Willow	<i>Salix alba</i>	Ier kul	Lowland / Forest	Plenty	Plenty	Natural propagation / Artificial regeneration	-do-	Green Leaves	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

**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					
Grass	<i>Cynodon dactylon</i>	Dhrub	Every crop	Less growth of affected crop	Temperate	Plenty	Plenty	Fodder grass	Manual plucking out	Religious purpose	Not reported	Locals
Grass	<i>Anagallis arvensis</i>	Grass	Maize	-do-	Lowland	Plenty	Common	None	Manual plucking out	NA	Not reported	Locals
Shrub	<i>Malva sylvestris</i>	Sotsal	Vegetables	-do-	Lowland	Plenty	Plenty	Used as vegetable and fodder	Manual plucking out	Medicinal use	Not reported	Locals
Herb	<i>Cannabis sativa</i>	Bhang	Every crop	-do-	Temperate	Plenty	Plenty	Making Charas (intoxicating drug)	Manual plucking out	Religious purpose	Not reported	Locals
Herb	<i>Carduus nutans</i>	Kond posh	Every crop	-do-	Temperate	Plenty	Plenty	None	Manual plucking out	NA	Not reported	Locals
Herb	<i>Anthemis cotula</i>	Stinking chamomile	Every crop	-do-	Temperate	Plenty	Plenty	None	Manual plucking out	Medicinal use	Exotic species	Locals
Herb	<i>Centaurea calcitrapa</i>	Purple star thistle	Every crop	-do-	Temperate/low land	Plenty	Plenty	None	Manual plucking out	NA	Exotic species	Locals
Herb	<i>Plantago lanceolata</i>	Plantain	Every crop	-do-	Temperate/low land	Plenty	Plenty	As fodder	Manual plucking out	NA	Exotic species	Locals
Herb	<i>Galium aparine</i>	Sticky willy	Every crop	-do-	Temperate/low land	Common	Common	None	Manual plucking out	Clings to clothes and fur	Exotic species	Locals
Herb	<i>Ipomaea purpurea</i>	Sornai, morning glory	Every crop	-do-	Temperate/low land	Plenty	Plenty	As fodder	Manual plucking out	NA	Not reported	Locals

Shrub	<i>Xanthium strumarium</i>	Cockleburr	Every crop	-do-	Temperate/ low land	Plenty	Plenty	None	Manual plucking out	Fruit adheres to the animal fur causing economic loss to the livestock industry	Exotic species	Locals
Herb	<i>Phalaris minor</i>	Sitli	Wheat	-do-	Temprate & intermediate	Plenty	Plenty	Nil	Manual plucking out	Reduces the yield of the crop	Local	Farmers
Herb	<i>Amaranthus viridis</i>	Cholai	Rice, Maize	-do-	emperate/ Field	Plenty	Plenty	Eaten as a vegetable	Pesticide spraying / plucking out	Rich source of proteins and amino acids	Not reported	Locals

### 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
Saffron	Animal	<i>Rattus norvegicus</i>	Gagud	Farm fields	OCT -NOV	Rodenticide	Eats the bulb	Damages the crop	Locals and Deptt. of agriculture/ Horticulture
Maize	Insect	<i>Helicoverpa zea</i>	Corn earworm, true wire worm	Farm fields	-	Insecticide application	Leaf damager	Not known	
Maize	Animal	<i>Rattus norvegicus</i>	Rat	Farm fields	After flowering	Chemical pesticide	Roots and fruit damager	Not known	
Kadam, cabbage	Insect	<i>Pieris brassicae</i>	Pediyan/ White cabbage butterfly	Farm fields	May- Sept	Insecticide application	Damages plant and reduces the yield	Not known	
Peach, plum	Insect	<i>Brachycaudus helichrysi</i>	Leaf- curling aphid	On host	May- October	Insecticide application	Damages the crop	Leaf defoliator	
Apple, Pear	Insect	<i>Eriosoma lanigerum</i>	Wooly aphid	On host and fallen leaves	May- October	Insecticide application	Damages the plant and crop	Not known	
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	
Saffron	Animal	<i>Hystrix indica</i>	Porcupine/ Shale	Farm fields	OCT -NOV	Manual	Eats the bulb	Feeds aggressively on <i>Crocus</i> bulbs thus, damaging the crop and the seeds for next season	





**Format 7: Peoplescape**

1	2	3	4	5	6	7	8	9	10	11
<b>Community &amp; Population</b>	<b>Families &amp; Major occupation</b>	<b>Sub- occupation</b>	<b>Depending Landscape</b>	<b>Major resources accessed and seasons of access</b>	<b>Landscape management practices</b>	<b>Resource management practices</b>	<b>Caste/ Tribe</b>	<b>Social condition</b>	<b>Nature of inhabitants</b>	<b>No. of HHs</b>
General and Schedule caste	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	

**Format 8: Landscape**

1			2	3	4	5	6	7	11	12
Major Landscapes			Sub - Landscapes	Features and approx. area	Ownership	General flora	General fauna	User groups	Other details	Community accessed
Agricultural land	Pond	Fallow land								
Cultivated/ Non-cultivated	Nil	Non-cultivated	Mountainous	NA	Govt. & privately owned	Deodar	Cow	Local Inhabitants	NA	Locals & Govt.
						Kail	Mule			
						Kholrabi	Bee			
						Grasses	Jackal			
						Champ	Dog			
						Anar	Fox			
						Akhroot	Cats			
						Chinar	Rat			
						Fig	Lizard			
						Apricot	Snake			
						Hiroo	Pigeon			
						Mohru	House sparrow			
						Kiker	Mosquito			
						Dandelion	Crow			
						Banafsha	Spider			
						Brun	Butterflies			
Fak kul	Owl									
Kumlaie	Dragonflies									
Kesar	Bulbul									

**Format 9: Waterscape**

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Waterscape element type</b>	<b>Sub- type</b>	<b>Features and approx area</b>	<b>Ownership</b>	<b>General flora</b>	<b>General fauna</b>	<b>Major uses</b>	<b>User groups</b>	<b>Management practices</b>	<b>General uses</b>	<b>Associated TK</b>	<b>Other details</b>	<b>Community accessed</b>
Spring	Spring	Telmuche	Panchayat	Mostly ferns, bryophytes and pteridophytes	Annelids, Amphibians and Insects	Drinking, washing and irrigation	Local population	Occasional De-silting	Drinking	NA	Also used for religious purpose	Local

**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
Black soil/ Red soil/ Alluvial soil	Loamy/ Black/ Red/ Sandy brownish, small grained mixture	Frequent irrigation needed	Recharged with leaf manure, animal waste compost	Conifer plants, fruit plants, NTFP species, maize, saffron and seasonal vegetables.	Domesticated /wild plants and animals	Provides good quality of timber, fuelwood, NTFP, food and fodder	-

## Format 11: Fruit Trees

### DOMESTICATED BIODIVERSITY

1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of plant/seeds	Season of Fruiting(Repining)	Uses (usage)	Associated TK	Other details market/own use	Community/ Knowledge holder
					Past	Present						
Tree	Aloo bukhara/ Plum	<i>Prunus domestica</i>	Local / Hybrid	Mountainous/ Temperate	Common	Avalible	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
Climber	Angoor/ Grapes	<i>Vitis vinifera</i>	Local / Hybrid	Mountainous/ Temperate	Absent	Avalible	Local preserved	Aug-Sept	Nutritious value	Provides more energy	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	Saib/ Apple	<i>Malus domestica</i>	Red delicious, Golden delicious, Ambri	Mountainous/ Temperate	Common	Plenty	Local preserved / Horticulture Deptt.	Aug-Sept	Nutritious value	Reducing cholesterol, lowering blood sugar level	Market / own use	Locals & Deptt. Of Horticulture
Tree	Anardana/ Pomegranate	<i>Punica granatum</i>	Local / Hybrid	Mountainous/ Temperate	Plenty	Wild Rare/ Hybrid plenty	Local preserved	Sept-Oct	As fruit, juice and as chutney	Rich source of iron, good for digestion	Market / own use	Locals & Deptt. Of Horticulture
Tree	Cherry	<i>Prunus avium</i>	Hybrid	-do-	Rare	Common	Deptt. Of Horticulture	June- July	Nutritious value	Provides more energy	Own use	Locals & Deptt. Of Horticulture
Tree	Nimbu	<i>Citrus limon</i>	Local	-do-	Common	Common	Horticulture Deptt.	June- July	Nutritious value	Rich source of Vitamin C	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	Local status		Uses (usage)	Part used	Associated TK	Other details market/own use	Community/ Knowledge Holders
						Past	Present					
Herb	Lahsun, thom	<i>Allium sativum</i>	Local	Temperate	Local preserved/ shops	Common	Common	Used as spice, pickle, medicine	Whole plant	Good for diabetics, digestion	Market and own use	Locals
Climber	Kaakid, kheera	<i>Cucumis sativus</i>	Local/ hybrid	Temperate	Local preserved/ shops	Plenty	Plenty	Eaten raw as a salad	Fruit	Blemished skin, heart rash, burns, sores	Market and own use	Locals
Climber	All, kaddu	<i>Cucurbita pepo</i>	Local/ hybrid	Temperate	Local preserved/ shops	Plenty	Plenty	Cooked as a vegetable	Whole part	Anti- inflammatory, anti -ulcer	Market and own use	Locals
Herb	Green Chilly	<i>Capsicum annum</i>	Local/ hybrid	Temperate	Local preserved/ shops	Plenty	Plenty	As spice	Fruit	Improves immune system	Market and own use	Locals
Herb	Ganda	<i>Allium cepa</i>	Local	Temperate	Local preserved/ shops	Plenty	Common	As vegetable, spice and as salad	Bulb, Leaves	Anti inflammatory, antiseptic	Market and own use	Locals
Shrub	Anar	<i>Punica granatum</i>	Local/ hybrid	Temperate	Local preserved	Plenty	Rare	As fruit, juice and as chutney	Fruit, leaves	Treatment of cancer, osteo- arthritic, appetizer	Market and own use	Locals
Tree	Haadi	<i>Prunus armeniaca</i>	Local	Temperate	Local preserved	Plenty	Common	Used raw and dried	Fruit	Antisposmodic, chronic bronchitis	Market and own use	Locals
Herb	Banafsha	<i>Viola odorata</i>	Wild	Temperate	Natural propagation	Plenty	Rare	Flowers used as a concoction	Flower	Throat problem, cold, cough	Market and own use	Locals



Herb	Suchal	<i>Malva neglecta</i>	Wild	Temperate	Natural propagation	Plenty	Plenty	Used as vegetable	Leaves, flowers	Astringent, demulcent, diuretic	Market and own use	Locals
Tree	Fog, feku	<i>Ficus palmata</i>	Wild	Temperate	Natural propagation	Plenty	Common		Used a fruit and dry fruit	Fruit	Used for skin diseases, treatment of lungs & bladder diseases	Market and own use
Tree	Akhroot	<i>Juglans regia</i>	Local	Temperate	Local preserved	Plenty	Plenty	Used as highky nutritious dry fruit	Leaves, fruit	Leaves are used in treatment of of chronic coughs, asthma	Market and own use	Locals
Herb	Dhaniya	<i>Coriandrum sativum</i>	Local/hybrid	Temperate	Local preserved/shops	Plenty	Plenty		Used a spice, mix and chutney	Leaves, Seeds	Measles, hemorrhoids, toothache & joint pain	Market and own use
Herb	Mooli	<i>Raphanus sativus</i>	Local/hybrid	Temperate	Local preserved/shops	Plenty	Plenty	Eaten raw as salad or cooked as a vegetable, also used as pickle	Leaves, root	To treat constipation & hypertension	Market and own use	Locals
Herb	Kesar, kung	<i>Crocus sativus</i>	Local	Temperate	Preserved by farmers	Plenty	Plenty	Used in tea, milk, and cooking	Stamen and pistil of the flower	Used as an anti-depressant, anti-inflammatory, aphrodisiac	Market and own use	Locals

**Format 13: Ornamental Plants/ Trees/Climbers etc.**

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of plant/seeds	Commercial/non-commercial	Uses	Associated TK	Other details	Community/ Know. holder
Shrub	Gainda	<i>Tagetes erecta</i>	Local	Preserved seed	Non- commercial	Used for religious purpose	Provides beauty to the home garden	NA	Locals
Shrub	Gulab	<i>Rosa indica</i>	Local	From cuttings	Non- commercial	Used for religious purpose	Used to make gulkand- a remedy for gastric troubles and also used as a refreshing drink in summers	NA	Locals
Shrub	Dhaliya	<i>Dahlia pinnata</i>	Local	Rhizomes of flower plant	Non- commercial	Used for religious purpose	Provides beauty to the home garden	NA	Locals
Climber	Ivy	<i>Hedera helix</i>	NA	Cuttings	Non- commercial	Ornamental	Provides beauty to the home garden	NA	Locals
Herb	Nargis	<i>Narcissus tazetta</i>	Wild	Bulbs	Non-commercial	Religious purpose	NA	NA	Locals
Climber	Chameli	<i>Jasminum officinale</i>	Wild	Cuttings	Non-commercial	Religious purpose	NA	NA	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/ Knowledge holder
				Past	Present					
Tree	Deodar	<i>Cedrus deodara</i>	Temperate	Plenty	Common	Wild	Cedrus oil is used as a treatment for piles, kidney stone and diabetes etc.	Provides durable timber, fuelwood and for religious purpose	Evergreen tree having a conic crown with level dropping branches like X-mass tree	Locals
Tree	Kail	<i>Pinus wallichiana</i>	Temperate	Plenty	Common	Wild / home garden	Timber and furniture	Provides durable timber & fuelwood	Evergreen tree native to the Himalayas	Locals
Tree	Akhroot	<i>Juglans regia</i>	Temperate	Plenty	Plenty	Wild / home garden	Furniture / agricultural implements	Walnut used as nutritious fruit. Its bark and leaves as well as the husk of seeds are used in different medicines and dyes	Large, deciduous tree	locals
Tree	Kikar	<i>Robinia pseudoacacia</i>	Temperate	Plenty	Common	Wild/ home garden	Fuel wood, fodder	Leaves used to relieve pains	Deciduous tree with a beautiful white inflorescence	
Tree	Chinar	<i>Platanus orientalis</i>	Temperate	Common	Common	Wild/ home garden	Fuel wood, fodder	Provides cool shade and home to many birds	Dried leaves are used as Kangri fuel	Locals

Tree

Bankhoor

*Aesculus indica*

Temperate

Plenty

Rare

Wild/ home garden

Fuel wood, fodder

Treatment of skin  
diseases, headache

NA

Locals

**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	Bhead	<i>Ovis aries</i>	Local	Small size rough coat	Flock rearing/ Domestication	Plenty	Rare	Mutton and wool	Wool used to make blankets	Yes	Mutton, wool, manure, bones and hides	Local/Nomads
Sheep	Bhead	<i>Ovis aries</i>	Rambouillet cross breed	Large size low body weight	Flock rearing/ Domestication	Rare	Plenty	Mutton and wool	Wool used to make blankets	Yes	Mutton, wool, manure, bones and hides	Local/Nomads
Goat	Bakri	<i>Capra hircus</i>	Local	Small size low body weight	Flock rearing/ Domestication	Plenty	Rare	Mutton and wool	Milk good for health	Yes	Mutton, wool, manure, bones and hides	Local/Nomads
Goat	Bakri	<i>Capra hircus</i>	Kaghani, bakasooli	Large size high body weight	Flock rearing/ Domestication	Rare	Plenty	Mutton and wool	Milk good for health	Yes	Mutton, wool, manure, bones and hides	Local/Nomads
Cow	Gaay	<i>Bos taurus</i>	Local/ Desi/Jersey	Cows have hooves on there feet and can weight upto 400 pounds	Flock rearing/ Domestication	Plenty	Rare	Milk, Cow dung	Milk good for health	Yes	Milk, manure	Local/Nomads
Ox	Bael	<i>Bos taurus</i>	Local	For ploughing	Domestication	Plenty	Common	For ploughing	NA	Yes	Used for ploughing	Local/Nomads
Dog	Kutta	<i>Canis familiaris</i>	Local/ Bakerwal	Small to median height, white, brown black in colour	Domestication	Plenty	Plenty	Guard, hunting	Nil	No	Nil	Local/Nomads
Cat	Billi	<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 for riding and transport	Nil	Yes	NA	Local/Nomads
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 a draught and pack animal	Nil	Yes	Nil	Local/Nomads
Poultry	Kokad	<i>Gallus domesticus</i>	Desi/ Hybrid	Enriched meat flavour, high egg yield	Domestication/ Rearing	Common	Common	Egg/Meat	Nil	Yes	Nil	Local

Donkey

Gadha

*Equus asinus*

Local

White, black or grey in colour, smaller than a horse

Domestication

Common	Common	Used as a beast of burden	Nil	Yes	NA	Local/Nomads
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## 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					
Herb	Seski, mooin	<i>Artemisia maritima</i>	MFP	Temperate/ Intermediate	Abundant	Rare	Commercial and own use	Leaves	Good for digestive troubles	NA	
Tree	Adu	<i>Prunus persica</i>	-	low land Valley	Plenty	Common	own use	Fruit	Anti-bacterial, anti-microbial	NA	
Tree	Nashpati	<i>Pyrus communis</i>	-	low land Valley	Common	Common	Commercial and own use	Fruit	Antioxidant rich	NA	
Tree	Khubani	<i>Prunus armeniaca</i>	B/L	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Whole plant		NA	
Shurb	Dhatura	<i>Datura stramonium</i>	MFP	Temperate/ Intermediate	Common	Plenty	Commercial and own use	Seeds, fruit		NA	
Herb	Gokhru	<i>Tribulus terrestris</i>	MFP	Temperate/ Intermediate	Plenty	Common	Commercial and own use	Leaves & Flowers		NA	
Herb	Surajan-e-talakh	<i>Colchicum luteum</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Corms		NA	
Herb	Handh	<i>Taraxacum officinale</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Leaves		NA	
Herb	Kasnil Hand	<i>Cichorium intybus</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Flowers		NA	
Herb	Rumkath, Budarkath, Bantambaku	<i>Verbascum thapsus</i>	MFP	Temperate/ Intermediate	Common	Rare	Commercial and own use	Leaves		NA	
Herb	Gentheer	<i>Adiantum capillus-veneris</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Leaves		NA	



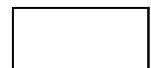
Herb		<i>Vicia sepium</i>	MFP	Temperate/ Intermediate	Abundant	Rare	Commercial and own use	Rhizomes,Leaves		NA
Tree	Fog, feku	<i>Ficus palmata</i>	B/L	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Fruit		NA
Tree	Akhroot	<i>Juglans regia</i>	B/L	Temperate/ Intermediate	Plenty	Plenty	Commercial and own use	Leaves,Fruit,		NA
Tree	Champ	<i>Alnus nitida</i>	B/L	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Bark		NA
Tree	Hiroo	<i>Quercus semecarpifolia</i>	B/L	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Whole part		NA
Herb		<i>Amaranthus viridis</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Whole part		NA
Tree		<i>Populus ciliata</i>	B/L	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Whole Plant		NA
Tree	Willow	<i>Salix alba</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Stem		NA
Shrub		<i>Cirsium arvense</i>	MFP	Temperate/ Intermediate	Rare	Plenty	Commercial and own use	Root		NA
Shrub	Kaimal/ Daruhalidi	<i>Berberis lycium</i>	MFP	Temperate/ Intermediate	Abundant	Rare	Commercial and own use	Roots ,Stem,Bar k		NA
Herb		<i>Anagallis arvensis</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Whole Plant		NA
Shrub		<i>Buddleja paniculata</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Leaves		NA
Herb	Hamesh bahar	<i>Calendula officinalis</i>	MFP	Temperate/ Intermediate	Abundant	Rare	Commercial and own use	Flower, leaves		NA
Herb	Banafsha	<i>Viola odorata</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Flower		NA
Herb	Pit papara, papara	<i>Fumaria indica</i>	MFP	Temperate/ Intermediate	Abundant	Rare	Commercial and own use	whole plant		NA
Herb	Shephard's purse, toree ghas	<i>Capsella bursa- pastoris</i>	MFP	Temperate/ Intermediate	Abundant	Common	Commercial and own use	Leaves,Fruit,	Used as a folk remedy for nose bleeding	NA
Climber	Periwinkle	<i>Vinca major</i>	Wild	Temperate/ Intermediate	Abundant	Common	own use	Whole plant	Used as a decorative	NA
Herb	Marchi, Jungli ajwain	<i>Thymus linearis</i>	MFP	Temperate	Common	Rare	Commercial and own use	Flowers		NA

Shrub	Gur-Krandel	<i>Ferula jaeschkeana</i>	MFP	Temperate	Common	Rare	Commercial and own use	Leaves, Flowers
Herb	Gul-e-sanobar	<i>Geranium wallichianum</i>	MFP	Temperate	Common	Rare	Commercial and own use	Roots,Bark
Herb	Chuku	<i>Oxalis corniculata</i>	MFP	Temperate	Common	Common	Commercial and own use	Whole plant
Herb	Gokhru	<i>Tribulus terrestris</i>	MFP	Temperate/Intermediate	Plenty	Common	Commercial and own use	Leaves & Flowers

NA
NA
NA
NA

**Format 19: Wild Plant Species of Importance**

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Dhatura	<i>Datura stramonium</i>	Wild	Religious & Economic	Plenty
2	Kiker	<i>Robenia pseudoacacia</i>	Wild	Economic	Common
3	Bhang	<i>Cannabis sativa</i>	Wild	Economic and social	Plenty
4	Hund	<i>Taraxacum officinalis</i>	Wild	Economic	Common
5	Suchal	<i>Malva neglecta</i>	Wild	Economic	Plenty
6	Banafsha	<i>Viola odorata</i>	Wild	Economic	Common
7	Chinar	<i>Plantanus orientalis</i>	Local	Economic	Common
8	Kail	<i>Pinus wallichiana</i>	Wild	Economic	Common
9	Hiroo	<i>Quercus semecarpifolia</i>	Wild	Economic	Rare
10	Seski, mooin	<i>Artemisia maritima</i>	Wild	Economic	Rare
11	Krees	<i>Dioscorea deltoidea</i>	NTPF	Economic and social	Rare
12	Deodar	<i>Cedrus deodara</i>	Wild	Economic and social	Common
13	Neel Kanth	<i>Ajuga bracteosa</i>	Wild	Economic & Social	Rare
14	Kesar, kung	<i>Crocus sativus</i>	Local	Economic, social and religious	Plenty



### 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				
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	completely aquatic while adult are seen flying above the	NIL
Frog (Mundak)	<i>Rana tigrina</i>	Wild	Greenish in colour with black spots and web feet	Pond/river	Plenty	Rare	Important role in food chain	Frog are natures pharmacy and provide a very efficient transfer of solar energy	Maintain food chain and food wed.	Locals
Watercress (Nag Biber)	<i>Nasturtium officinale</i>	Wild	Rapidly growing perennial plant	Watery places	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 (Ghvtbeer)	<i>Adiantum caudatum</i>	Wild	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

**Format 21: Wild Aquatic Plant Species of Importance**

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Watercress (Nag biber)	<i>Nasturtium officinale</i>	Aquatic flowering plant	has a high content of Vitamin C and is used to	Found floating in slow waters with the help of long roots

**Format 22: Wild Plants of Medicinal Importance**

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Status		Associated TK	Uses (usage)	Part used	Other details market/ own use	Community/ Knowledge Holder
					Past	Present					
Tree	Deodar	<i>Cedrus deodara</i>	Conifer	Temperate	Plenty	Rare	Timber, religious purpose	Used in neurological disorders, asthma, fever, arthritis & headache.	Wood	Own use	Locals
Herb	Bhang	<i>Cannabis sativa</i>	Wild	Temperate	Plenty	Plenty	Used as a recreational or narcotic drug	Used in medicine to treat nausea, depression, migraine and other conditions	Leaves	Market/ Own use	Locals
Herb	Krees	<i>Dioscorea deltoidea</i>	Wild	Temperate	Plenty	Rare	Medicinal use	Used in treatment of digestive disorders, wound & burns	Root	Own use	Locals
Shrub	Khumlai	<i>Berberis lycium</i>	Wild	Temperate forest	Plenty	Rare	Medicinal use and for brush wood fencing	Used as a cooling agents and as aremedy for acidity	Fruit, leaves	Own use	Locals
Tree	Kail	<i>Pinus wallichiana</i>	Wild	Temperate	Plenty	Rare	Medicinal, timber, fuel	Used to treat fever, wheezing cough & cold.	Seeds, leaves	Market/ Own use	Locals
Herb	Seski	<i>Artemisia maritima</i>	Wild	Temperate	Plenty	Rare	Medicinal use	As a remedy for stomach issues in infants and adults	Leaves	Market/ Own use	Locals
Herb	Banafsha	<i>Viola odorata</i>	Wild	Temperate	Plenty	Rare	Medicinal use	Used as an ingredient in tea to treat cough and cold	Flowers	Market/ Own use	Locals
Herb	Nunar	<i>Portulaca oleracea</i>	Wild	Temperate	Plenty	Plenty	Used as a vegetable	Good for eyesight	Whole plant	Market/ Own use	Locals



**Format 23: Wild relatives ofCrops**

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					
Vanpraan	<i>Allium atropurpureum</i>	All agricultural crop	Mountainous region	Plenty	Rare	Food	Leaves and flowers	Medicinal value	Exotic plant used as vegetable	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
Periwinkle	<i>Vinca major</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

### 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	Pudina	<i>Mentha longifolia</i>	Local	Temperate	Plenty	Plenty	Cooling agent and used in various ayurvedic medicines	Whole plant	Good for digestion	Eaten raw or as chatni, dips and spice	Locals
Herb	Methi	<i>Trigonella foenum-graecum</i>	Local	Temperate	Plenty	Plenty	Spice	Leaves, seeds	Good for digestion	Leaves are used in food / spice	Locals
Herb	<b>Saunf</b>	<i>Foeniculum vulgare</i>	Wild/ local	Temperate	Plenty	Rare	Mouth freshner, spices	Seeds, leaves	Used as a remedy for constipation and gastric troubles in infants	Leaves and seeds eaten raw or as a concoction	Locals
Herb	<b>Bhang</b>	<i>Cannabis sativa</i>	Wild	Temperate	Plenty	Plenty	Used in medicines	Leaves	Narcotic	Locals crush the leaves and consume it as a narcotic drug	Locals
Trees	<b>Khor/Dun</b>	<i>Juglanas regia</i>	Local	Temperate	Plenty	Plenty	Teeth cleaning, toothache	Leaves, bark		Locals use the leaves and dried bark to clean the teeth	Locals
Herb	Thom	<i>Allium sativum</i>	Local	-do-	Plenty	Plenty	Spice	Bulb	Good for digestion	Bulb used raw or cooked	Locals
Herb	Chuku	<i>Oxalis corniculata</i>	Local	Temperate	Plenty	Plenty	Used in the treatment of influenza, fever, urinary tract infections & snake bites.	Leaves		Sour in taste that's why the name chuku	Locals

Herb	<b>Bantambaku</b>	<i>Verbascum thapsus</i>	Herbaceous plant	Temperate	Plenty	Rare	Used in medicines	Leaves	Narcotic		Locals
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### Format 26: Timber Plants

1	2	3	4		5	6	7	8
Locals 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	Plenty	Rare	Religious purpose	Provide durable timber	Soft wood timber	Locals
Kail	<i>Pinus wallichiana</i>	Temperate	Plenty	Rare	Furniture and fruit packing	Provide durable timber	Soft wood timber	Locals
Akhroot	<i>Juglans regia</i>	Temperate	Plenty	Plenty	Fruit and furniture	Provide good timber / fruit	Hardwood tree	Locals
Safeda	<i>Populus ciliata</i>	Temperate	Plenty	Rare	Furniture	Provide durable timber	Hardwood tree	Locals
Kikar	<i>Robinia pseudoacacia</i>	Temperate	Plenty	Common	Fuel wood, fodder	Leaves used to relieve pains	Deciduous hardwood tree with a beautiful white inflorescence	Locals
Chinar	<i>Platanus orientalis</i>	Temperate	Common	Common	Fuel wood, fodder	Provides cool shade and home to many birds	Dried leaves are used as Kangri fuel	Locals
Spruce	<i>Picea smithiana</i>	Temperate	Plenty	Rare	fruit packing industries	Provide good timber	Soft wood timber	Local







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

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						Past	Present					
Mammals	Billi	<i>Felis lybica</i>	Temperate	Grey, light brown in colour	Throughout the year	Common	Common				-	
	Lombri/ Fox	<i>Vulpus vulpus</i>	Temperate	omnivours	Throughout the year	Plenty	Common	-			-	
	Jackal	<i>Canis aureus</i>	Temperate	omnivours	Throughout the year	Plenty	Common	-			-	
	Leopard	<i>Panthera pardus</i>	Temperate	omnivours	Throughout the year	Plenty	Rare sightings	-			-	
	Hapat/ Bhalu	<i>Ursus americanus</i>	Temperate	Omnivore	Throughout the year	Plenty	Rare sightings					
	House crow	<i>Corvus splendens</i>	Temperate	Dull black in colour with grey neck, smaller than jungle crow	Throughout the year	Plenty	Plenty	-			-	
	Jungle Crow	<i>Crovis macrorhynchus</i>	Temperate	Black in colour with a strong beak, omnivore in nature	Throughout year	Plenty	Plenty					
	Chidya/ Seid/ House sparrow	<i>Passer domesticus</i>	Temperate	Small birds with sexual dimorphism, feed on seeds & grains	Throughout the year	Plenty	Common	-			-	
	Blue rock pigeon	<i>Columba livia</i>	Temperate	Grey in colour, feed on seeds, grain	Throughout the year	Common	Abundant	-			-	



Birds	Common myna	<i>Acridotheres tristis</i>	Temperate	Brown in colour with a yellow beak, feeds on seeds, grain	Throughout the year	Plenty	Common	-	Necessary for maintaining the ecological balance	Prohibited	-
	Common cuckoo/koel	<i>Eudynamys scolopaceus</i>	Temperate	Males black in colour and females dull grey with small black spots over the body.	Throughout the year	Plenty	Plenty	-			Locals and Deptt. Of Wildlife
	Tota	<i>Psittacula himalayana</i>	Temperate	Green with a slaty black head and a red beak. Feed on seeds, grain & fruits.	Throughout the year	Plenty	Common				
	Cheel	<i>Milvus migrans</i>	Temperate	Carnivore, solitary bird	Throughout the year	Plenty	Common	-			
	Griffen Vulture	<i>Gyps fulvus</i>	Temperate	Natural habitat	Throughout year	Plenty	Absent	-			
	Chakor	<i>Alectoris chukar</i>	Temperate	Grey in colour, feed on seeds & grains	Throughout the year	Abundant	Rare	-			
Insects	Dragonfly/ jahaz	<i>Orthetrum triangulre</i>	Temperate	Bluish and black in colour	Summer	Common	Common				
	Cabbage butterfly	<i>Pieris brassicae</i>	Temperate	White in colour with black spots on fore wings.	Summer	Abundant	Abundant				
	Cockroach	<i>Periplaneta americana</i>	Temperate	Waste material, food	Summer	Rare	Common				
	Bed bug	<i>Cimex lectularius</i>	Temperate	Light brown in colour, flat oval	Summer	Common	Common				
	Makhi	<i>Musca domestica</i>	Temperate	Small, black in colour with hairy body, nuisance pest	Summer	Common	Plenty				
	Ant/ Chinti	<i>Solenopsis invicta</i>	Temperate	Black in colour, nuisance pest	Throughout the year	Common	Plenty				

	Honey Bee	<i>Apis domestica</i>	Temperate	Provides honey	Throughout the year	Plenty	Common	
	Machar	<i>Culex sp.</i>	Temperate	Light coloured with black and white abdomen	Summer	Common	Abundant	
Annelids	Leech	<i>Hirudo medicinalis</i>	Temperate region	Soft, segmented body	Summer	Common	Common	Medical purpose
	<b>Earthworm</b>	<i>Pheritema posthuma</i>	Temperate	Pinkish in colour with a slender, segmented body.	Summer	Common	Common	Used in vermicompost. Commonly known as farmer's friend.
Rodents	Rat/ Gagud	<i>Rattus rattus</i>	Temperate	Grey colour, large size	Throughout the year	Plenty	Plenty	
	Porcupine/ Shale	<i>Hystrix indica</i>	Temperate	Has sharp spikes	Throughout the year	Plenty	Common	
	Een	<i>Eoglaucmys fimbriatus</i>	Temperate	Nocturnal, Greyish Black in colour with a furry tail	Throughout the year	Plenty	Rare	
Reptiles	Saanp	Serpentes (Sub-order)	Temperate	Limbless, carnivore with mobile jaw	Summer	Plenty	Common	Various types of venomous and non-venomous snakes found commonly
	Himalayan pit viper	<i>Gloydius himalayanus</i>	Rocky Hills	Black and grey in colour	Summer	Plenty	Common	
Amphibian	Frog	<i>Rana tigrina</i>	Temperate	Dull green in colour	summer	Abundant	Rare	

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**Format 29: Flora**

**URBAN BIODIVERSITY**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>Sr. No.</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Type of Plants</b>	<b>Habitat</b>	<b>Flowering Season</b>	<b>Remarks (Rare / Common etc.)</b>
NA	NA	NA	NA	NA	NA	NA

**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
3	Black bear	<i>Ursus americanus</i>	Mammal	Forest	Rare
7	Wild goat	<i>Capra aegagrus</i>	Mammal	Home/forest	Rare

**Format 31: Any other information of local importance**

1	2	3
Sr. No.	Information of local importance	Remarks
	None	