People Biodiversity Register (PBR): General Details
Name of the Panchayat Samiti: Bhainch
Taluk: Poonch
District: Poonch
State: Jammu and Kashmir
Geographical Area of the Panchayat Samiti: 1280 Hectares
Population under the Panchayat Samiti: Total 2900
Males: 1495 Females: 1405
Habitat and Topography: Hilly Area
Climate (Rainfall, Temperature and weather patterns): Humid Sub-Tropical/Temperate Area with Moderate Rainfall, Strong Monsoon Currents are also experienced in the District
Land Use (Nine fold classification available with village records): Agriculture, Horticulture and Animal Husbandry
Date, Month and Year of PBR Preparation:
Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

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Annexure 1

1)Name of the Chairperson: Ishrat Nissa	
Age: 29	
Gender: Female	
Address: Bhainch	
Area of specialization: Chairperson	
2) Name: Rashida Bi	
Age: 30	
Gender: Female	
Address: Bhainch	
Area of specialization: Member	
3)Name: Rajni Sharma	
Age: 28	
Gender: Female	
Address: Bhainch	
Area of specialization: Member	
4) Name: Qadeer Hussain	
Age: 65	
Gender: Male	
Address: Bhainch	
Area of specialization: Member	
5)Name: Ghulam Rasool	
Age: 55	
Gender: Male	
Address: Bhainch	
Area of specialization: Member	
6)Name: Ahsan Ilahi	
Age: 24	
Gender: Male	
Address: Bhainch	
Area of specialization: Member	
7)Name: Munir Hussain	
Age: 65	
Gender: Male	
Address: Bhainch	

Annexure-2

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

1) 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:

2) 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:

3) 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:

Annexure 3

List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and foresty
1)Name: Kadir Hussain S/o Juma
Age: 65
Gender: Male
Address: Bhainch
Area of specialization: Progressive Farmer/Agriculture and Horticulture
2) Name: Mohd. Rashid S/o Jalal Din Mob. no. 9906240029
Age: 60
Gender: Male
Address: Bhainch
Area of specialization: Progressive Farmer/Agriculture and Horticulture
3)Name: Rukam Din S/o Mohd. Din
Age: 61
Gender: Male
Address: Bhainch
Area of specialization: Progressive Farmer/Agriculture and Horticulture

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: Dr. Abhineet Singh(Animal Husbandry)

2) Contact Person:

Name and Address: Mohd. Sadiq (Forest)

3) Contact Person:

Name and Address: Ghulam Rasool (Floriculture)

4) Contact Person:

Name and Address: Rajiv Bali (Sheep Husbandry)

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

					Annexure 5
	Detail of access to biological resources	and traditional knowledge granted, details of t	he collection fee imposed and details of th	e benefit derived and the mode	of their sharing
S.No	Name and address of the Person/Institute/company others	Local and Scientific Name of the biological material Accessed and quantity	Date and resolution of the BMC and endorsement by the Panchayat	Detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared

End of Part I

						Fo	rmat-1 (Crop plants						
1	2	3	4	5	6		7	8	9	10	11	12	13	14
Сгор	Scientific	Local Name	Variety	Landscape	Approx. area	Local	Status	. Special	Cropping	Uses	Associated TK	Other Details	Source of	Community /Knowledge
Crop	Name		variety	/ Habitat	shown	Past	Present	features	season	0.303	Associated IA	Other Details	Seeds / Plants	Holder
Rice	Oryza sativa	Taain	Cheena 1039	Lowland valleys		Rare	Rare	medium height crop	Kharif	Food/Fodder	Rich in Nutritional Values, Cultural Values, fine aroma and medicinal properties	In Rice, well balanced amino acid profile	Locally, traditionally cultivated and focussed locally, Agriculture Deptt.	Local/ Aged farmers of rural communities possess TK. Cultivation and management practices among the farming communities across the district.
Maize	Zea mays	Makki	Plandri, Rashi 4794, Bio- 9621, Bio- 9220	Humid Sub- Tropical Climate/Hilly temperate and intermediate		Plenty	Plenty	April sown, local variety dentles, corn & flour sweet in taste	Kharif	Major food item, used as flour, feed to cattle, poultry etc.	Good for Health, Rich in Vitamin C and E, to boost immune, skin and hair health, Dietry Fiber, Calcium	Maize is generally used for animal feed, Maize flour is used to make chapatis	HH kept seed, Deptt. Of agriculture, private seed dealers	Local/ Aged farmers of rural communities possess TK. Cultivation and management practices among the farming communities across the district.
Common Bean/Rajmash	Phaseolus vulgaris	Mothi	Kidney Bean, Common Bean, Snap Bean and French Bean	Humid Sub- Tropical Climate/Hilly temperate and intermediate		Normal	Normal	Source of dietry fiber, protein, and carbohydrates	Summers	Used for Obesity, Diabetes, colon cancer, high cholesterol, kidney stones	Used for diabetes, Colon cancer, high cholesterol, kidney stones etc.	Rich source of Protein, vitamin and minerals	HH kept seed, Deptt. Of agriculture, private seed dealers	Local/ Aged farmers of rural communities possess TK. Cultivation and management practices among the farming communities across the district.

Brown Mustard	Brassica juncea	Sarsoon/ Sareyan	Local, KS- 101, KOS-1	Temperate and intermediate	Plenty	Plenty	Locals used to cook green leaves and eat as (Sabzi) Vegetable	Rabi	Green leaves used as vegetables and seeds used for extracting oil used in cooking and for other relevant purposes	Rich in Dietary Fibre, Vitamin B6, C, and Calcium	Crop severely affected by the snowfall during the month of dec- feb	groups of farmers, from deptt. Of	Local/ Aged farmers of rural communities possess TK. Cultivation and management practices among the farming communities across the district.
Radish	Raphanus sativus	Mooli	Local turnip shaped radish	Temperate conditions	Normal	Normal	The entire plant is edible and the tops can be used as a leaf vegetable	2-3 crops round the year	Eaten raw, used as vegetable and pickle making	Traditional variety and cultivation practice	Round, sharp, white colored	Seed being traditionally cultivated and focussed locally	Farmers of the area
Wheat	Triticum aestivum	Kanak/ Gandham	HD2967,PBW 644	Cool Climate during early part of its growth	Normal	Normal	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/Bread making	Rabi	Farmers / Department/ Private Suppliers	Farmers
Onion	Allium cepa	Pyaaz	nasik Red. Red Coral, Monsanto And Local Spp.	local Planee areas	Rare	Rare	Bulbs Cash Crop	Vegetab gles	Vegetable	Staple Vegetable food	Rabi	Farmers / Department/ Private Suppliers	Farmers/households
Mustard	Brassica juncea/ Brassica comprestris	Sarson	Pusa Bold/ KOS -1	Cool & dry	Normal	Normal	Matures in 145-150 days with 40-42 % oil content	Oil for Food	Source of energy	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Private Suppliers	Farmers
Rape Seed/Gobhi Sarson	Brassica napus	Sareyan	GSL-1,DGS- 1,Local	Cool & dry	Normal	Normal	Annual Herb,yellow flowers bearing Pods	oil for Food,leaves used as vegetable	Source of energy, calciam,copper , potassium	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Private Suppliers	Farmers

Potato	Solamum tuberosum	Aalo	Kufri Sindhuri, Kufri Badsha, local	Potato is an herbaceous annual,requirs cool weather, mostly rainfed conditions	Normal	Normal	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable,chip s etc	One of the temperate staples, eaten boiled, baked, fried, stewed etc.	High carbohydrate, provide high n energy value	Rabi	Farmers / Department/ Private Suppliers	Farmers
Chilli	Capsicum annum	Mirchi/Marchi	Pusa Jawala, CH-1	Tropica/sub tropicall vegetable,grows well warm humid conditions	Normal	Normal	Pungency and flavor	Used as spice, medicinal value	Used orally for upset stomach, toothache, poor circulation, fever and heart disease	Contains good ammount of vitamin A&C	winter season	Farmers / Department/ Private Suppliers	Farmers
Tomato	Solanum lycopersicum	Tamater	Pusa rubi,Pusa early dwarf, Manisha Plus/local	Warm season crop	Rare	Rare	Stems are woody and weak, and tend to vine over other types of plants.	Used as vegetable, salad, soup,Souce	Rich source of Ascorbic acid	Tomatoes are also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department/ Private Suppliers	Farmers
Okra	Abelmoschus esculentus	Bindi	Varsha uphar, Arka Anamika	Tropical/sub tropical vegetable/Hot and humid climate	Rare	Rare	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dietary fibers,protein and carbohydrates	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
Cucumber	Cucumis sativus	Kheera	Kheera local, JL	Grows in all climatic conditions,Tropic al,Sub tropical & temprate	Rare	Rare	Limbing annual bearing elongated thick cylendrical fruit	Mainly used as salad	Vegetable	It also used asantipyretic and causing cooling effect	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
Calabash	Lagenaria siceraria	Lokki	PSPL/Punjab Long	Summer & Rainy season crop	Abundant	Abundant	Vines vigrous, profusly branched	Mainly used as Sabzi	Vegetable	It also contains essential vitamins and minerals	Summer/kharif	Farmers / Department/ Private Suppliers	Farmers

Beans	Phaseolus Spp.	Phaliya	Contender	Cool weather crop/Sandy/loamy soil	Abundant	Abundant	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High protein,VitamineB1, B2 <b6 and<br="">Maganese</b6>	Summer season	Farmers / Department/ Private Suppliers	Farmers
Kohlrabi	Brassica oleracae var.gongylodes	Kadam	White vienna, Purple vienna	cool & moist climate/sub tropical	Abundant	Abundant	Swollen stem ,grren/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	Vegetable	Rich in Vitamin C	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
Spanich	Beta vulgaris	Palak	All Green,Delta	Cool season Crop, thrives well on well drained loam soils	Abundant	Abundant	Tender green leaves & root used as Vegetable	Tender green leaves used as leafy Vegetable	Vegetable	Vitamins A and C, fiber, folic acid, and other nutrients	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
Turnip	Brassica rapa	Gunglu /Shalgam	PTWG/Local	Cool & moist climate/sub tropical & intermedite	Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable ,Sal ad	Vegetable	Good source of Vit.C,Diatry Fiber &Potasium	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
Amaranths	Amaranthus spinosus	Gnaar	Local	Cool & moist climate/sub tropical& intermedite	Abundant	Abundant	Leaves are eatable	Summers	Vegetable	Used as an expectorant and to relieve breathing in acute bronchitis.	Summers	Locally, traditionally cultivated	Farmers/Locals
Sponge Gourd	Luffa aegyptiaca	Tori/ Toriyaan	Angled luffa, ridged luffa, wild luffa	Cool & moist climate/sub tropical& intermedite	Normal	Normal	Fast growing, tendriled Used for arthritis pain, chest pain	Summers	Vegetable	Treacting and Preventing colds, Used for nasal swelling and sinus problems etc.	Summers	Locally/Private Suppliers	Famers/Locals
Garlic	Allium sativum	Thoom	Rocambole, Porcelain	Moderate temperature in summer as well as in winter	Normal	Normal	Short days are very favorable, Rich in humus, good content of potash	Summers/ Winters	Vegetable	Boost Immunity, Reduce High BP, Prevention of Cancer, Antibiotic properties	May prevent Alzheimer's and Dementia	Locally/Private Suppliers	Farmers/Locals

	Format-2 Fruit Plants														
1	2	3	4	5		6	7	8	9	10	11	12			
Plant	Scientific Name	Local Name	Variety	Landscape /	Local	Status	Source of	Season of	Associated TK	Uses	Other Details	Community /Knowledge			
			, uncey	Habitat	Past	Present	Seeds/ Plants	Fruiting			markt / own use	Holder			
Pear	Pyrus communs L.	Nakh	Pathar Nakh, Packham, Limonera, Conference	Highland	Plenty	Normal	Fruit itself	August	Lower Blood pressure, Prevent Cancer, Energy Booster	Fruit, wood	Marketing, Own Use	Farmers/ Locals			
Plum	Prunus domestica Opal	Plump	Plum opal	Moisture but well drained Lowland, Deciduous	Plenty	Normal	Fruit itself	July-August	Reduce Blood Sugar, Rich in antioxidants	Fruit	Marketing, Own Use	Farmers/ Locals			
Peach	Prunus persica	Aaroo	July Elberta, Quetta, Shan-e- Punjab, Sun Haven, Sharbati	Highland	Normal	Normal	Fruit itself	July-August	Promote Healing, Keep digestion running smoothly etc.	Fruit, wood	Marketing, Own Use	Farmers/ Locals			
Apple	Malus domestica	Saib	Ambri Apple, Granny Smith, Bramley	Tree, regular bearing, Temperate Hills	Rare	Rare	Nurseries	August- October	Fruit, Nutritious, Good for weight loss, Prevent Cancer	Fruits	Marketing, Own Use	Farmers/ Locals			
Apricot	Prunus armeniaca	Khubani, Sadi	Local apricot, Bebco	Tree, regular bearing, Mid Hills	Plenty	Normal	Nurseries	June-July	Rich in Vitamin A, Excellent for promoting eye health	Fruits, Wood	Marketing, Own Use	Farmers/ Locals			
Walnut	Juglans regia	Akhrot	Paper/Thin Shhelled, Hard & Medium Shelled	Tree, regular bearing, Temperate Hills	Normal	Normal	Nurseries & Locally raised	Sept-Oct	Dry-fruit, Economy generation, Rich in antioxidants, Reduce risk of some cancers etc.	Fruits, Wood	Marketing, Own Use	Farmers/ Locals			
Pecan	Carya illinoenis	Shimla Khor	Western shell	Mid/temperate hills/ Deciduous/ Perennial	Rare	Rare	Nurseries	Sept-Oct	Dry Fruits, Nutritional Value	Fruits	Marketing	Farmers/ Locals			

Date Plum	Diospyros lotus	Amlook	Local	Mid/temperate hills	Normal	Rare	Locally raised	July-august	Dry fruits, Nutritional Value, Anti-Cancer agent	Fruit	Own Use	Locals
Common Grape Vine	Vitis Vinifera	Daakh	Local	Mid/ temperate hills	Rare	Rare	Locally raised,govt nurseries	July to september	Reduce Blood Pressure, Improve Kidney Function etc.	Fruit	Own Use	Locals
Loquat	Eriobotrya japonica	Lakaat	Local	Sub tropical to mild temperate	Rare	Rare	Locally Raised, Nurseries	Late Winters	High in Vitamin A, Antioxidant	Fruit	Own Use	Locals
Citrus Fruit	Citrus spp.	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	Local Selection, Kagzi Lime etc.	Sub Tropical/ Temperate	Normal	Rare	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc	Fruit	Own Use	Locals

	Format-3 Fodder Crops and Species													
1	2	3	4	:	5	6	7	8	9	10				
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Past	Status Present	Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder				
Paddy hay	Orzya Sativa	Chawal	Lowlands	Good	Good	Agriculture Deptt.	NA	Crop	NA	local farmers of rural community				
Oat	Avena Sativa	Tain	Lowlands	Good	Good	Agriculture Deptt.	NA	Crop	NA	local farmers of rural community				
Barseem	Trifolium Alexandrium	Barseem/ Chhatala	Lowlands	Good	Good	Self	NA	Crop	NA	local farmers of rural community				
Maize	Zea mays	Makka	Highland	Good	Good	Agriculture Deptt.	NA	Crop	NA	local farmers of rural community				
Oats	Avena sativa	Ghaas	Temperate/ Intermediate	Good	Good	Self	Stored in locally made indigenious structure called "Taai"	Crop	NA	local farmers of rural community				
Berseem (Egyptian Clover)	Trifolium alexandrinum	Gjaas	Irrigated areas	Good	Good	Self	NA	Сгор	NA	local farmers of rural community				
Milkweed	Euphorbia thymifolia	Dudli	Temperate/ Intermediate	Good	Good	self	NA	Сгор	containing milky fluid like substance	local farmers of rural community				
Charri	Sorghum bicolor	charri	Temperate/ Intermediate	Good	Good	self	NA	Crop	NA	local farmers of rural community				
Berea grass	Dactyloctenium australe	Beran	Temperate/ Intermediate	Good	Good	self	NA	Crop	containg lots of fibre	local farmers of rural community				
Bray grass	Sorghum halepense	Bray	Temperate/ Intermediate	Good	Good	self	NA	Crop	associated with maize crop	local farmers of rural community				

Barseem	Trifolium alexandrium	Chhatala	Annual	Good	Good	Farmers / Department/ Privaate Suppliers	Nutritious & palatable fodder, Source of energy for animals	Entire Plant	Fodder	Farmers
Oats	Avena spp.	Javi	Annual	Good	Good	Farmers / Department/ Private Suppliers	Nutritious & palatable fodder,	Above ground part of plant	Fodder	Farmers
Oats	Sorghum spp.	cherri	Annual	Good	Good	Farmers / Department/ Private Suppliers	Source of energy	Above ground part of plant	Fodder	Farmers
Oats	Zea mays	Makki	Annual	Good	Good	Farmers / Department/ Private Suppliers	Source of energy	Above ground part of plant	Food & fodder	Farmers
Oats	Vigna unguiculata	Rongi	Annual	Good	Good	Farmers / Deptt./ Private Suppliers	Kharif Legume with high protein	Above ground part of plant	Fodder	Farmers

					Fo	rmat-4 We	eds					
1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape /	Lo	ocal Status	Uses if any	Management	Associated TK	Other details	Community Knowledge
1 mint	Scientific Funite	Locurraine	Antecieu crop	Impact	Habitat	Past	Present	0505 11 uliy	options			Holders
Weed grass	Cyanedon Diactylon	NA	Paddy maize	It competes with main crop and lowers the yield	Highland	Good Good G		Can be used as fodder	Proper and timely removal	Nil	NA	NA
Weed	Phakaris Minor	Gulli danda	Wheat	It competes with main crop and lowers the yield	Highland	Good Good		Can be used as fodder	Proper and timely removal	Nil	NA	NA
Wild Oat	Avena fatua	Jai	Wheat	It competes with main crop and lowers the yield	Highland	Good	Good Good		Proper and timely removal	Nil	NA	NA
Ipomoea	Ipomea sp.	NA	Maize	Destroys the plant	Temperate and Intermediate	No weed management`			Proper and timely removal	Nil	NA	NA
Ipomoea	Ipomeaaqatica	Ghaas	paddy	Destroys the plant	Temperate and Intermediate	No weed management`	Scientific based weed management	Nil	Proper and timely removal	Nil	NA	NA
Celosia	Celosia Argentina	Neeli	Paddy	Destroys the plant	Temperate and Intermediate	No weed management`	Scientific based weed management	Nil	Proper and timely removal	Nil	NA	NA
Mash	Cyprus esceluntus	Ghass	-		Temperate and intermediate areas of the District	No weed management	Weed management on scientific lines being followed by the farmers	-	-	-	-	No TK associated with either knowledge or management of Ipomea weed

Paddy	Marsilia quadrifolia	NA	Paddy	Affect crop yield	Temperate and Intermediate	plenty	Weed management on scientific lines being followed by the farmers	nil	weedicide Butachlore	competes with main crop	NA	local farmers
Paddy	Cynodon dactylon	NA	vegetables	Affect crop yield	Temperate and Intermediate	Average	Weed management on scientific lines being followed by the farmers	nil	using weedicide	competes with main crop	NA	local farmers
Maize	Sorghum halepense	NA	Maize	Affect crop yield	Temperate/ Intermediate	average	Weed management on scientific lines being followed by the farmers	nil	hand picking			local farmers of rural community
Maize	Euphorbia thymifolia	Dudli	maize	Affect crop yield	Temperate/ Intermediate	Average	Weed management on scientific lines being followed by the farmers	nil	using weedicide or hand picking	competes with main crop	NA	local farmers of rural community
Lamb's quarters	Chenopodium album	Bathua/Kanah/ Wild Spinach	Wheat, Pea, Potato		Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein,Vit. A, Calcium , Phosporous & potash	Annual feed & fermentation of Beverages	Farmers
Barnyard Grass	Echinochloa crusgalli	Swank	Paddy		Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers
Carrot grass	Parthenium hysterophorus	Congress Grass	Gardens & sugarcane ratoon crops & other crops		Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage	Nil	Farmers

					Format-5 Pests	s 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	NA	Kidi	Kharif Crops	May and June	IPM	NA	NA	Rare
Maize	Stem Borer	NA	Tana Chedak	Kharif Crops	May and June	IPM	NA	NA	Rare
Vegetables	Green fly	Aphids	Tela	Kharif Crops	May and June	IPM	NA	NA	Rare
Vegetables	Fruit Borer	Leucinodes Orbanalis	Suin	Kharif Crops	May and June	IPM	NA	NA	Rare
Wheat	Termites	Odontotermis	Sink	Polyphagous/ sandy and loamy soils	Kharif	Field sanitisation and continuous removal and destruction of infected plants	NA	NA	NA
Wheat	Stem borer	Chilo partellus	Ludi	Polyphagous	Kharif	Field sanitisation and continuous removal and destruction of infected plants	NA	NA	NA
Maize	Corn worm	Helicoverpa armigera	Sundi	Maize cobs	Kharif	Field sanitisation and continuous removal and destruction of infected plants. Installing pheromone traps @ 6-10/acre	NA	NA	NA
Maize			Tokka	upper part of maize	Kharif	Proper spray of insecticides	Reduces crop yield	NA	local farmers of rural community
vegetables	leaf borer		pediye		Kharif	Proper spray of insecticides	Reduces crop yield	NA	local farmers of rural community
Bottleguard	fruitfly	Dacus cucurbitee		pulp of the fruits	july to october	Dusting with some repellents	causes fungal and bacterial infection	NA	local farmers of rural community
Rajma dal			Dhoru		july to october		Reduces crop yiield	NA	local farmers of rural community

Format 6: Marl	kets for Domesticated anin	nals						
1	2	3	4	5	6	7	8	9
Name of the market & location	Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]	Types of animals bought and sold [2]	Types and Average Number of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish

Note: [1] (D) – day; (M) – month; [2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

	Format-7 Peoplescape												
1	2	3	4	5	6	7	8	9	10	11			
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs			
Mix & 2900	898 & Agriculture, Horticulture, Animal Husbandry	Farming	Agriculture	Wheat (Winters), Rice (Summer), Soil, Forest	Farming	Stripped Cropping, Grassed Waterways	Pahari Tribe, ST	Good	Good	898			

	Format-8 Landscape													
	1		2	3	4	5	6	7	8	9	10	11	12	
Majo	or Landscape	:S		Feature s and					Management	~ .	Associated		Community	
Agricultural land	ricultural Pond Fallow		Sub - Landscapes	approx. area	Ownership	General flora	General fauna	User groups	practices	General uses	TK	Other details	accessed	
Agri	Agricultural Lands		Forest and water		Farmers	Maize	Cow, Buffalo, Poultary, Sheep and Goats	Farmers		Food, Market and even export to other places				
	Cultivated Cultivated		Cultivated	Fertile Land	Private	Trees, Plants, Herbs, Shrubs	Rodents, Insects	Villagers/ Locals	Crop Rotation, Terracing	Cultivation	Used for Farming	Nil	Low Income Communities	
Non-	Non- Cultivated Land		Non- Cultivated Land Non-Irrigated Land		Less Fertile	Govt./ Private	Marshy/Swampy Plants	Insects and Amphibians	Villagers/ Locals	Crop Rotation, Terracing	Cultivation	Available for Farming	Nil	Low Income Communities
In	rigated Land		Irrigated Land	Fertile Land	Private Land	Rice, Vegetables, Flowers etc.	Amphibians, Insects	Zamindars	Nil	Crop cultivation	Available for Farming	Nil	Every Community	
G	razing Land		Non-Cultivated	Lush Grteen	Govt. Land	Plants/Herbs	Rodents, Insects	Villagers/ Locals	Nil	Animal Grazing	NA	Nil	Every Community	

	Format-9 Waterscape														
1	2	3	4	5	6	7	8	9	10	11	12	13			
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed			
Nallah				Crops, Fruits, Vegetables	Fishes	Used for runing Flour mills	Locals		Atta Chakki						
Ponds	Talab	During Rainy Season	Private Land/State Land	Crops, fruits, vegetables, flowers	Frogs , Tadpoles, snakes, snail,	Cattles, irrigation, etc	Public								
Hand pumps	NIL	NIL	Private/State Land	NIL	NIL	Washing cloths, Drinking etc	Public	NIL							

			Format-10 Soil	Туре			
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	Greyish Brown	Clayey texture and are highly fertile		Wheat	All vegetables		dry area
Alkaline soil	Brown			Maize			It is found in the areas without irrigation facility
Black soil	black in colour and clayey in nature	highly fertile andrich in calcium carbonate and poor in nitrogen and phosphorous ,highly retentive of moisture	NA	wheat,maize tomatoes, green chillies etc	both	NA	
Laterite soil	red or rusty in colour and coarser in texture	acidic in texture and unsuitable for cultivation	NA	less fertile, potatoes and fruits	both	NA	
clay soil	partially off white or yellowish in colour and clayey in texture	sticky ,low permebility, rich in calcium, iron ,magnesium	NA	wheat,vegetables	both	NA	
Alluvial soil	light grey or ash grey	fertile soil and rich in potash and lime	NA	pulses, vegetables, fruits etc	both	NA	

				Ι	Format-1	1 Fruit Tr	·ees					
1	2	3	4	5		6	7	8	9	10	11	12
					Local	Status	Source of	Season of		Other Details	Community	
Plant Type	Scientific Name	Local Name	Variety	Landscape/ Habitat	Past	Present	plant/seeds	Fruiting	Uses (usage)	market / own use	/Knowledge Holder	Associated TK
Pear	Pyrus communis L.	Nakh	Pathar Nakh, Packham, Limonera, Conference	Highland	Plenty	Normal	Fruit itself	August	Fruit, wood	Marketing, Own Use	Farmers/Locals	Lower Blood pressure, Prevent Cancer, Energy Booster
Plum	Prunus domestica Opal	Plump	Plum opal	Moisture but well drained Lowland, Deciduous	Plenty	Normal	do	July-August	Fruit	Marketing, Own Use	Famers/Locals	Reduce Blood Sugar, Rich in antioxidants
Peach	Prunus Persica	Aaroo	July Elberta, Quetta, Shan-e- Punjab, Sun Haven, Sharbati	Highland	Normal	Normal	do	July-August	Fruit, wood	Marketing, Own Use	Farmers/Locals	Promote Healing, Keep digestion running smoothly etc.
Apple	Malus domestica	Saib	Ambri Apple, Granny Smith, Bramley	Tree, regular bearing, Temperate Hills	Rare	Rare	Nurseries	August- October	Fruits	Marketing, Own Use	Farmers/Locals	Fruit, Nutritious, Good for weight loss, Prevent Cancer
Apricot	Prunus armeniaca	Khubani, Sadi	Local apricot, Bebco	Tree, regular bearing, Mid Hills	Plenty	Normal	Nurseries	June-July	Fruits, Wood	Marketing, Own Use	Farmers/Locals	Rich in Vitamin A, Excellent for promoting eye health
Walnut	Juglans regia	Akhrot	Paper/Thin Shhelled, Hard & Medium Shelled	Tree, regular bearing, Temperate Hills	Normal	Normal	Nurseries & Locally raised	Sept-Oct	Fruits, Wood	Marketing, Own Use	Farmers/Locals	Dry-fruit, Economy generation, Rich in antioxidants, Reduce risk of some cancers etc.
Pecan	Carya illinoenis	Shimla Khor	Western shell	Mid/temperate hills/Deciduous/ Perennial	Rare	Rare	Nurseries	Sept-Oct	Fruits	Marketing	Farmers/Locals	Dry Fruits, Nutritional Value

Date Plum	Diospyros lotus	Amlook	Local	Mid/temperate hills	Normal	Rare	Locally raised	July-august	Fruit	Own Use	Locals	Dry fruits, Nutritional Value, Anti-Cancer agent
Loquat	Eriobotrya japonica	Lakaat	Local	Sub tropical to mild temperate	Rare	Rare	Locally Raised, Nurseries	Late Winters	Fruit	Own Use	Locals	High in Vitamin A, Antioxidant

				Format-1	2 Medicinal	Plants (H	erb, Shru	bs, 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	Local	status	Uses (usego)	Don't used	Associated TK	Other details market/own	Community/ Know.
Flant Type	Local Name	Scientific Name	variety	Lanuscape/ Habitat	plant/seeds	Past	Present	Uses (usage)	Part used	Associated TK	use	Holders
Trees	Neem	Azadarichta indica		lowland		good	good	medicinal	Leaves		Own use	good
Trees	Amla	Emblica officinalia		lowland		good	good	medicinal	fruit		Own use	good
Trees	Anardhana	Punigranatum		highland		good	rare	medicinal and food	fruit		Own use	good
Trees	Babool	Acasia Nilolica		lowland		good	rare	Medicinal and wood	stem		Own use	rare
Herbs	Pudina	Mentha arvensis		lowland and highland		good	good	medicinal and in food	leaves		Own use	good
Herbs	kuth	Sassurea lappa		lowland and highland		good	rare	medicinal	root		Own use	rare
Shrubs	Bhang	Cannabis sativa		Temperate	Wild	Abundant	Abundant	medicinal	Leaves	Protection against pain, nause and vomiting	Own use	Generally, held by community
Tree	Sree	Albizzia lebbeck		Lowland/Highland/ Temperate	Wild	Good	Good	medicinal	Bark, seeds, leaves and flowers	Used For migraine, diarrhea, jaundice, skin problems, asthma	Own use	Generally, held by community
Herbs	Dudlu	Taraxacum officinale		Temperate	Wild	Rare	Rare	medicinal	Roots	Antiviral activity, anti- diabetic, anti inflammatory	Own use	Generally, held by community
Herb	Tamatar	Solanum lycopersicum	Local	Temperate	Cultivated	Available	Available	To reduce heart diseases, kidney stones and gall bladder stones	Fruit	Cure heart and stone diseases	Own use	Generally, held by community
Herb	Dhaniya	Coriandrum sativum	Local	Temperate	Cultivated	Available	Available	Used for loss of appetite, tooth aches	Seeds	Cure pain	Own use	Generally, held by community

Herb	Pudina	Mentha spicata	Local/wild	Temperate	Cultivated/ naturally grown	available	Available	To cure infection	Leaf	Cure infection	Own use	Generally, held by community
Herb	Pyaz	Allium cepa	Temperate	Cultivated	Available	Available	To cure cold and cough	Roots	To relive cough and cold	Extract	Own use	Generally, held by community
Herb	Lahsun	Allium sativum	Local	Temperate	Cultivated	Available	Available	To cure wounds	Whole plant	Used for wounds	Own use	Generally, held by community
Herb	Green Chilly	Capsicum annuum	Local	Temperate	Cultivated	Available	Available	To improve immune system	Entire	Improve eye site	Own use	Generally, held by community
Herb	Neg chetri	Trillium govanianum	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	Anti inflammatory remedy	Whole plant	available	Own use	Generally, held by community
Herb	Zakhm e hayat	Bergenia ciliata	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	Wound healing, vomiting ,fever, coughand pulmonary infections	leaves	available	Own use	Generally, held by community
Herb	chooray	Angelica glauca	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	dysentry, stomach troubles , infantile atrophy,menorrhagia andrinderpest	stems	available	Own use	Generally, held by community
Herb	Gucchi	Helvella esculenta	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available		whole plant	available	Own use	Generally, held by community
Herb	pitpapda	Fumeria parviflora	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	treatment of fever, gastristis, diarrhea etc	whole plant	available	Own use	Generally, held by community
Herb	Patreesh	Aconitum heterophyllum	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	used against diarrhoea general weakness and fever	roots	available	Own use	Generally, held by community
Herb	Ceski	Artemesia absinthium	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	remedy for indigestion, gastric pains, antiseptic etc		available	Own use	Generally, held by community
Herb	Bethri dhoop	Juniperus communis	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	curing asthama, against swellings, stimulant and diuretic	flower fruits	available	Own use	Generally, held by community
Shrub	Kuth	Sassurea costus	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	dysentry,dental trouble, heart problems etc	leaves/ roots	available	Own use	Generally, held by community

Herb	jungli straberry	Fragaria nubicola	wild	Temperate	naturally grown	available	average	Stomach disorders	fruit	available	Own use	Generally, held by community
Herb	Haand dandelian	Taraxacum officinalis	wild	Temperate	seeds	rare	rare	treatment of skin ,indigestion, jaundice etc	Leaves	available	Own use	Generally, held by community
Herb	Banfsha	Violas serpens	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	cough and cold	whole plant	available	Own use	Generally, held by community
Herb	Dramun	Cynodon dactylon	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	used for cough	Stem/ leaves	available	Own use	Generally, held by community
Shrub	Datura	Datura stramonium	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	medicine	Seeds	available	Own use	Generally, held by community
Shrub	Soi	Urtica dioica	Local/wild	Temperate	Cultivated/ naturally grown	Available	Average	Rehumitides	Leaves/ stem	available	Own use	Generally, held by community
Herb	Bhang	Cannabis sativa	Local/wild	Temperate	naturally grown	Available	Available	treatment of pain , loss of appetite , insomania , depresssion etc	Leaves/ stem	available	Own use	Generally, held by community
Herb	Kaudh	Picrorhiza kurroa	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	Pain reliever		available	Own use	Generally, held by community
Herb	Kishmay	Berberis lycium	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	Jaundice		available	Own use	Generally, held by community
Herb	Teevnd	Viburnum grandiflorum	wild	Temperate	naturally grown	plenty	average	cough and anticold	flowers /seeds	available	Own use	Generally, held by community
Herb	Baryan	Acorus calamus	Local/wild	swapmy marshy areas	naturally grown	plenty	average	treatment of gouts	rhizome/ lowe part	available	Own use	Generally, held by community

	Format-13 Ornamental Plants/Trees/Climbers etc.													
1	2	3	4	5	6	7	8	9	10					
Plant Type	Local Name	Scientific Name	Variety	Source of plant/seeds	Commercial/ non- commercial	Uses	Associated TK	Other details	Community/ Know. holder					
Silver Oak	Silver oak	Gravilla robusta		Nature	Non commercial	Ornamentation			A few					
Saroon/Oriental Arbor-vitae	Saru	Plactycladus orientalis		Stems	Non commercial	ornamentation			A few					
Burnas	Hardul	Rhododendron arboreum			Non commercial	ornamentation			A few					
Tree	Gandera	Nerium oleander	-	Plant	Non-Commercial	N.A	N.A	N.A	Generally, held by community					
Plant	Canna Lily	Canna indica L.		Plant	Non-Commercial	N.A	N.A	N.A	Generally, held by community					
Plant	Creek bottlebrush/ Melaleuca viminalis	Callistemon viminalis		Plant	Non-Commercial	N.A	N.A	N.A	Generally, held by community					
Plant	Oriental Arbor-vitae	Platycladus orientalis (L.) Franco		Plant	Non-Commercial	N.A	N.A	N.A	Generally, held by community					
Plant	Alpine Rose	Rosa pendulina L.		Plant	Non-Commercial	N.A	N.A	N.A	Generally, held by community					

	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	Associated TK	Other details	Community/				
T fant Type		Scientine Ivanie	Habitat	Past	Present	whu/ home- gar den	uses (multi)	Associated TK	Other details	Know. holder				
Pinus	Chir	Pinus roxburghii	High lands	Plenty	Normal				Timber, Fuel wood, Edible and source of oil					
Wild walnut	Banakhor	Aesculus Indica	High lands	Plenty	Normal		Dry fruit							
Walnut	Akhroot	Juglanregia	Both highland and low land	Plenty	Normal		Dry fruit							
Tree	Walnut	Juglans regia	Temperate	Plenty	Normal	Wild , home	Furniture, tooth cleaner	NA	unknown					
Tree	Banj	Quercus incana	Temperate	Plenty	Normal	Wild	Firewood	NA	Unknown					
Tree	Apricot	Prunusar meniaca	Temperate	Plenty	Normal	Wild, home	Furniture, firewood	NA	Unknown					
Tree	Peach	Prunus persica	temperate	Plenty	Normal	Wild, home	Firewood	NA	Unknown					
Tree	Keth	Pyru spashia	Temperate	Plenty	Normal	Wild	Firewood	NA	Unknown					
Tree	Rubinkul	Robinia sp	Temperate	Plenty	Normal	wild/ home- garden	Furniture, firewood	NA	Unknown					
Tree	Drek	Melia azedarach	Temperate	Plenty	Normal	wild	Furniture, firewood	NA	Unknown					

Tree	Moru oak	Quercus floribunda	Temperate	Plenty	Normal	wild	Furniture, firewood	NA	Strongest wood	
Tree	Fur	Abies pindrow	Temperate	Plenty	Normal	wild	Furniture, firewood	NA	Unknown	
perinnial	Kail	Pinus wallichania	Temperate	Plenty	Normal	wild	Furniture, firewood	NA	Unknown	
perinnial	Tulkul	Morus nigra	Temperate	Plenty	Normal	wild/ home- garden	fodder for silk worm and Firewood	NA	Unknown	
perinnial	Devdar	Cedrus deodara	Temperate	Plenty	Normal	wild	Furniture, firewood	NA	Strongest wood	
perinnial	Kikar	Robinia pseudoacacia	Temperate	Plenty	Normal	wild	fodder for animals and firewood	NA	Unknown	
Tree	Chinar	Plantanus orientalis	Temperate	Plenty	Normal	wild/ home- garden	Furniture, firewood	NA	Unknown	
Tree	Shisham	Dalbergia sissoo	Temperate	Plenty	Normal	wild/ home- garden	Furniture, firewood	NA	Unknown	

	Format-15 Domesticated Animals														
1	2	3	4	5	6	,	7	8	9	10	11	12			
	Y 187		Breed (local/	F (Local	status		Associated	Commercial	Other details including	Community			
Animal Type	Local Name	Scientific Name	hybrid)	Features	Method of keeping	Past	Present	Uses	ТК	rearing	products and Services	Know.Holders			
Buffalo	Manj	Babulus bubalis	local	Black color body	Domestic	abundant	decreased	Dairy	nil	no	Milk	All			
Buffalo	Punjabi manj	Bubalus Bubalis	murrah	Black color body	Domestic	very few	increased	Dairy	nil	yes	Milk	All			
Cattle	Gaan	Bos taurus	ND	Low yield	Domestic	abundant	decreased	Dairy	nil	no	Milk	All			
Chicken	Desi Murga	Galus domesticus	hybrid	hybrid	Domestic	very few	increased	egg & meat	nil	no	Meat	All			
Dog	kutta	canis familaris	Local	nil	stray	abundant	abundant	nil	nil	no	Nil	All/Stray			
Dog	bakerwal kutta	canis familaris	bakarwal	brown black in color	household	abundant	rare	comparison	nil	no	Nil	Bakerwals			
Cat	billi	frlis catus	local	grey colored	pet	abundant	abundant	pet	nil	nil	Nil	All Stray			
Sheep	bhed	Ovis aries	local	small sized rough coat	flock rearing	least concern	least concern	mutton,wool & manure	yes	yes	Meat	All			
Sheep	bhed	Ovis aries	rambouillet cross	large sized fine wool	flock rearing	least concern	least concern	mutton,wool & manure	yes	yes	Meat	All			
Goat	Bakri	Capra aegagrus	local	small size low body weight	flock rearing	least concern	least concern	chevon, hair.milk & manure	yes	yes	Meat	All			
Goat	Bakri	Capra aegagrus	kaghani(bakerw alli)	large size low body weight	flock rearing	least concern	least concern	chevon, hair.milk & manure	yes	yes	Meat	All			
Goat	Bakri	Capra aegagrus	beetal	large size low body weight	flock rearing	least concern	least concern	chevon, hair.milk & manure	yes	yes	Meat	All			

	Gau	Bos indicus	ND	Low yield	stall feeding	Abundant	Decrease	Dairy	Nil	No	Milk	All
Cattle	Jersy Gau	Bos taurus	CB Jersy	Dished face	stall feeding / semi intensive	Very few	Increase	Dairy	Nil	yes	Milk	All
	Amrecan Gau	Bos taurus	CB HF	Black and white spot	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Buffalo	Manj	Bubalus bubalis	Local	Low yield	stall feeding	Abundant	Decreased	Dairy	Nil	No	Milk	All
Bullato	Punjabi Mais	Bubalus bubalis	Murrah /Graded	Black color body	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Horse	ghoda	Equus caballus	Local	Red color body	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All
Parrot	Tota	Psittaciformes	Local	parrot green in colour with red beak	Backyard	few	Decrease	decorative	Nil	No	Nil	All
Pigeon	Kabutar	Columbidae	Local	white color , fast growing	Backyard	few	Decrease	decorative	Nil	No	nil	All
Dog	Kutta	canis familaries	Local	Nil	Pet ,Stray	Abundant	Abundant	Nil	Nil	No	Nil	All / stray
Rabbit	Khargosh	Oryctolagus cuniculus	White gaint	white	Pet ,wild	few	few	Pet	Nil	No	Nil	All / wild
Poultry	Kukkar	Gallus domesticus	Desi/ Local	Enriched Meat Flavour	Intensive, Free range,	Abundant	Decreased	Egg/Meat	Nil	Nil	Nil	All
1 outry	Farmi Kukkar	Ganus domesticus	Chabro Cross	Good Egg Yielder	Backyard	Very Few	Increased	Egg/Weat	INII	1111		All

Format 16:	ormat 16: Culture Fisheries														
1	2	3	4	5	6		7		9	10	11	12			
Fish Town	LasalNama	S	Variates	Fraterra	Waterscape	Local	status	Uses	A	Commercial	Other dataile	Community Know.			
Fish Type	Local Name	Scientific Name	Variety	Features	(Pond/Bheri/Talao)	Past	Present	Uses	Associated TK	Rearing	Other details	Holders			
1															

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

Format 17: Ma	Format 17: Markets / 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						

	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 /	Part collected	Associated TK	Other details	Community			
		Stenune runne	muon		Past	Present	own use	T art concercu			Knowledge Holder			
Tree	Chir	Pinus roxburghii	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	Resin	-	local farmers of rural community			
Tree	Deodar	Cedrus deodara	Tree	Forest , temperate	Dense	Less dense	Commercial, own use	Whole plant	Furniture, roofing	Furniture	local farmers of rural community			
Tree	Kail	Pinus wallichiana	Tree	Forest , temperate	Dense	Less dense	Commercial, own use	Whole plant	Furniture, roofing	Furniture	local farmers of rural community			
Shrubs	Kemel	Barberries	Shrubs	Forest , temperate	Dense	Dense	Commercial, own use	Roots and leaves	Medicinal use	Medicinal	local farmers of rural community			
Herbs	Datura	Datura stramonium	Herb	Forest , temperate	Dense	Dense	Commercial, own use	seeds	Medicinal use	Medicinal	local farmers of rural community			
Grasses	Ghass	Rhododendron	Grass	Forest	Dense	Dense	own use	Whole	Medicinal use	Medicinal use	local farmers of rural community			
Mushroom	Guchhies	Morchella spp.	Mushroom	Temperate	Available	Available	Commercial, own use	Whole plant	Medicinal use	Used in medicines preparation	local farmers of rural community			
Tree	Rubinkul	Robinia sp	Temperate	Temperate	Plenty	least	Furniture, firewood	Whole plant	Firewoood	Furniture	local farmers of rural community			
Tree	Drek	Melia azedarach	Temperate	Temperate	Plenty	Average	Furniture, firewood	Whole plant	furniture, firewood	Furniture	local farmers of rural community			
Tree	Moru oak	Quercus floribunda	Temperate	Temperate	Plenty	Average	Commercial, own use	Whole plant	Strongest wood	Furniture	local farmers of rural community			
Tree	Fur	Abies pindrow	Temperate	Temperate	Plenty	Average	Furniture, firewood	Whole plant	Furniture, roofing	Furniture	local farmers of rural community			
perinnial	Kikar	Robinia pseudoacacia	Temperate	Temperate	Plenty	Average	, own use	Whole plant	Firewoood	fodder for animals and firewood	local farmers of rural community			

Tree	Chinar	Plantanus orientalis	Temperate	Temperate	Plenty	least	Commercial, own use	Whole plant	Furniture, roofing	Furniture, firewood	local farmers of rural community
Tree	Shisham	Dalbergia sissoo	Temperate	Temperate	Plenty	Average	Commercial, own use	Whole plant	Furniture, roofing	Furniture, firewood	local farmers of rural community
Herb	Neg chetri	Trillium govanianum	Local/wild	Temperate	Available	Available	Commercial, own use	Whole plant	Anti inflammatory remedy,	Medicinal use	local farmers of rural community
Herb	Zakhm e hayat	Bergenia ciliata	Local/wild	Temperate	Available	Available	Commercial, own use	leaves	Wound healing, vomiting ,fever, coughand pulmonary infections	Medicinal use	local farmers of rural community
Herb	chooray	Angelica glauca	Local/wild	Temperate	Available	Available	Commercial, own use	stems	dysentry, stomach troubles , infantile atrophy,menorrhagia andrinderpest	Medicinal use	local farmers of rural community
Herb	Gucchi	Helvella esculenta	Local/wild	Temperate	Available	Available	Commercial, own use	whole plant	prevent heart diseases and diabaties	Medicinal use	local farmers of rural community
Herb	pitpapda	Fumeria parviflora	Local/wild	Temperate	Available	Available	Commercial, own use	whole plant	treatment of fever, gastristis, diarrhea etc	Medicinal use	local farmers of rural community
Herb	Patreesh	Aconitum heterophyllum	Local/wild	Temperate	Available	Available	Commercial, own use	roots	used against diarrhoea , general weakness and fever	Medicinal use	local farmers of rural community
Herb	Ceski	Artemesia absinthium	Local/wild	Temperate	Available	Available	Commercial, own use	leaves/ stems	remedy for indigestion, gastric pains, antiseptic etc	Medicinal use	local farmers of rural community
Herb	Bethri dhoop	Juniperus communis	Local/wild	Temperate	Available	Available	Commercial, own use	flower fruits	curing asthama, against swellings, stimulant and diuretic	Medicinal use	local farmers of rural community
Shrub	Kuth	Sassurea costus	Local/wild	Temperate	Available	Available	Commercial, own use	leaves/ roots	dysentry,dental trouble, heart problems etc	Medicinal use	local farmers of rural community
Herb	jungli straberry	Fragaria nubicola	wild	Temperate	available	average	Commercial, own use	fruit	Stomach disorders	Medicinal use	local farmers of rural community
Herb	Haand dandelian	Taraxacum officinalis	wild	Temperate	rare	rare	Commercial, own use	Leaves	treatment of skin ,indigestion, jaundice etc	Medicinal use	local farmers of rural community
Herb	Banfsha	Violas serpens	Local/wild	Temperate	Available	Available	Commercial, own use	whole plant	cough and cold	Medicinal use	local farmers of rural community
Herb	Dramun	Cynodon dactylon	Local/wild	Temperate	Available	Available	Commercial, own use	Stem/ leaves	used for cough	Medicinal use	local farmers of rural community
Shrub	Datura	Datura stramonium	Local/wild	Temperate	Available	Available	Commercial, own use	Seeds	medicine	Medicinal use	local farmers of rural community
Shrub	Soi	Urtica dioica	Local/wild	Temperate	Available	Average	Commercial, own use	Leaves/ stem	Rehumitides	Medicinal use	local farmers of rural community

Herb	Bhang	Cannabis sativa	Local/wild	Temperate	Available	Available	Commercial, own use	Leaves/ stem	treatment of pain , loss of appetite , insomania , depresssion etc	Medicinal use	local farmers of rural community
Herb	Teevnd	Viburnum grandiflorum	Herb	Temperate/ Intermediate	Available	Available	Commercial, own use	flowers /seeds	cough and anticold	Medicinal use	local farmers of rural community
Grass	Oats	Avena sativa	Herb	Irrigated areas	Local varieties	Improved varieties	own use	Leaves/ stem	Fodder	NA	local farmers of rural community
Grass	Berseem (Egyptian Clover)	Trifolium alexandrinum	Herb	Temperate/ Intermediate	NA	Improved varieties	own use	Leaves/ stem	Fodder	NA	local farmers of rural community
Grass	Milkweed	Euphorbia thymifolia	Herb	Temperate/ Intermediate	local varieties	local varities	own use	Leaves/ stem	Fodder	NA	local farmers of rural community
Grass	Charri	Sorghum bicolor	Herb	Temperate/ Intermediate	local varities	local varities	own use	Leaves/ stem	Fodder	NA	local farmers of rural community
Grass	Berea grass	Dactyloctenium australe	Herb	Temperate/ Intermediate	local varities	Improved varieties	own use	Leaves/ stem	Fodder	NA	local farmers of rural community
Grass	Bray grass	Sorghum halepense	Herb	Temperate/ Intermediate	local varities	Improved varieties	own use	Leaves/ stem	Fodder	NA	local farmers of rural community
Tree	Safeda	Eucalyptus	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/Own use	Timber/ Firewood	-	-	local farmers of rural community

	Format-19 Wild Plant Species of Importance											
1	2	3	4	5	6							
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status							
1	Kanner/Lal Gandila	Nerium indicum	Shrub	NA	Good							
2	Bhang	Cannabis sativa	Shrub	Medicinal	Good							

Format 20: A	ormat 20: Aquatic Biodiversity												
1	2	3	4	5		6	7	8	9	10			
Local name	Scientific name	Variety	Features	Habitat	Loc	al Status	Uses	Associated TK	Other details	Community knowledge holder			
					Past	Present				noider			

Format 21: V	Vild Aquatic Plant Specie	s of Importance			
1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic,social,cultural etc.)	Trends

	Format-22 Wild Plants of Medicinal Importance													
1	2	3	4	5		6	7	8	9	10	11			
Plant (Herb,	Local Name	Scientific Name	Variety	Landscape /	Local	Status	Associated TK	Uses (usage)	Part used	Other details market/ own	c.knowledge			
Shrub, Tree)		Scientific Plane	v arrecty	Habitat	Past	Present		Usus (usuge)	i art uscu	use	holder			
Plant	Bankakri	Podophyllum hexandrum	plant	Temperate	Available	Available	Available	It has been found to be effective in contolling skin diseases and recently attracted attention for use in certain form of cancer	Fruit	own use	local farmers of rural community			
Herb	Banafsha	Viola spp.	Herb	Temperate	Available	Available	Available	Flowers are used in perfumery and are also used medicinally as demulcent and biliousness and lungs troubles	Flower	own use /marketing	local farmers of rural community			
Climber	Kins	Dioscorea deltoidea	Climber	Temperate	Available	Available	Available	The yield Diosgenin, which is used to synthesize sex hormones and Corisone, Cortisone is extensively and used in rheumatism and allergic conditions. Propagation of the species is though rhizome.	Tuber	own use	local farmers of rural community			
Mushroom	Guchhies	Morchella spp	Mushroom	Temperate	Abundant	rare	available	Used in medicines prepration	Whole plant	own use /marketing	local farmers of rural community			
Herb	Neg chetri	Trillium govanianum	Herb	Temperate	Abundant	average	Available	Anti inflammatory remedy ,	Whole plant	own use /marketing	local farmers of rural community			
Herb	Zakhm e hayat	Bergenia ciliata	Herb	Temperate	abundant	abundant	Available	Wound healing, vomiting ,fever, coughand pulmonary infections	leaves	own use /marketing	local farmers of rural community			
Herb	chooray	Angelica glauca	Herb	Temperate	abundant	abundant	Available	dysentry, stomach troubles , infantile atrophy,menorrhagia andrinderpest	stems	own use /marketing	local farmers of rural community			
Herb	Gucchi	Helvella esculenta	Herb	Temperate	abundant	average or rare	Available		whole plant	own use /marketing	local farmers of rural community			
Herb	pitpapda	Fumeria parviflora	Herb	Temperate	abundant	average	Available	treatment of fever, gastristis, diarrhea etc	whole plant	own use /marketing	local farmers of rural community			
Herb	Patreesh	Aconitum heterophyllum	Herb	Temperate	abundant	average	Available	used against diarrhoea , general weakness and fever	roots	own use /marketing	local farmers of rural community			
Herb	Ceski	Artemesia absinthium	Herb	Temperate	abundant	abundant	Available	remedy for indigestion, gastric pains, antiseptic etc		own use /marketing	local farmers of rural community			

Herb	Bethri dhoop	Juniperus communis	Herb	Temperate	Available	Available	Available	curing asthama, against swellings, stimulant and diuretic	flower fruits	own use /marketing	local farmers of rural community
Herb	Kuth	Sassurea costus	Herb	Temperate	abundant	Available	Available	dysentry,dental trouble, heart problems etc	leaves/ roots	own use /marketing	local farmers of rural community
Herb	jungli straberry	Fragaria nubicola	Herb	Temperate	abundant	average	Available	Stomach disorders	fruit	own use /marketing	local farmers of rural community
Herb	Haand dandelian	Taraxacum officinale	Herb	Temperate	rare	rare	Available	treatment of skin ,indigestion, jaundice etc	Leaves	own use /marketing	local farmers of rural community
Herb	Banfsha	Violas serpens	Herb	Temperate	Available	Available	Available	cough and cold	whole plant	own use /marketing	local farmers of rural community
Herb	Dramun	Cynodon dactylon	Herb	Temperate	abundant	abundant	Available	used for cough	Stem/ leaves	own use /marketing	local farmers of rural community
Herb	Datura	Datura stramonium	Herb	Temperate	Available	Available	Available	medicine	Seeds	own use /marketing	local farmers of rural community
Herb	Soi	Urtica dioica	Herb	Temperate	abundant	Average	Available	Rehumitides	Leaves/ stem	own use /marketing	local farmers of rural community
Herb	Bhang	Cannabis sativa	Herb	Temperate	abundant	abundant	Available	treatment of pain , loss of appetite , insomania , depresssion etc	Leaves/ stem	own use /marketing	local farmers of rural community
Herb	Kaudh	Picrorhiza kurroa	Herb	Temperate	Available	Available	Available	Pain reliever		own use /marketing	local farmers of rural community
Herb	Kishmay	Berberies lycium	Herb	Temperate	Available	Available	Available	Jaundice		own use /marketing	local farmers of rural community
Herb	Teevnd	Viburnum grandiflorum	Herb	Temperate	plenty	average	Available	cough and anticold	flowers /seeds	own use /marketing	local farmers of rural community
Herb	Patrees	Aconitum heterophyllum	Herb	Temperate	plenty	average	Available	It is an excellent tonic for combating ability after malarial & other fevers & diseases	Roots	own use /marketing	local farmers of rural community
Herb	Banafsha	Viola	Herb	Temperate	plenty	average	Available	Flowers are used in perfumery & are also used medicinally as demulcent and biliousness & lungs trouble	Flower	own use /marketing	local farmers of rural community
Herb	Kuth	Soussurea lappa	Herb	Temperate	plenty	average	Available	Used in treatment of cough, asthma & fever.	Root	own use /marketing	local farmers of rural community
Climber	Dioscorea	Dioscorea deltoidea	Climber	Temperate	plenty	average	Available	The tubers yield diosgenin, which is used to synthesize sex hormones.	Tuber	own use /marketing	local farmers of rural community
Shrub	Simlu	Berberis lyceum	Shrub	Temperate	plenty	average	Available	It is an excellent tonic for combating ability after malarial & other fevers & diseases	Fruit, roots	own use /marketing	local farmers of rural community

	Format-23 Wild Relatives of Crops												
1	1 2 3 4 5 6 7 8 9												
Local	Scientific	Associated crop	Landsons / Ushitat		Status	Uses	Part	Associated	Other details	Community / Know			
Name	Name	Associated crop	Landscape / Habitat	Past	Present	(usage)	Used	ТК	Other details	holder			
Local Corn	Zea mays	Maize	Highland	Good in past	not sown now	Food				Good			

	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					
Saroon	Cupressus		lowland	non commercial		nil						
Gandila	Nerium indicum	Shrub	Northern/ Sub-Tropical	non commercial	-	-	Locals					
Bougainvillea	Bougainvillea glabra	Shrub	Northern/ Sub-Tropical	non commercial		-	Locals					
Gandera	Nerium oleander	Shrub	Northern/ Sub-Tropical	non commercial			Locals					

	Format-25 Fumigate/Chewing Plants																		
1	2	3	4	5		6	7	8	9	10	11								
Plant (Herb,	Local	Scientific	Variety	Habitat	Local	Local Status Use		Uses Dout word		Uses		Uses Dout used		Uses Part used		Uses Dout used		Other details	Community
Shrub, Tree)	Name	Name	variety	Habitat	Past	Present	(usage)	T art useu	ТК	(mode of use)	knowledge holder								
Herb - Spearmint	Pudna	Mentha spicata L.	Lamiaceae	Homestead, agricultural land	Abudant	Abudant	Spice	Leaves	Anti cancer activity against different types of human cancers as cervix, breast and many others	Widely used in savory dishes, food, beverages, and confectionary products	Locals								
Herb - Holy Basil	Tulsi	Ocimum tenuiflorum		Moist soil	Normal	Normal	Medicinal	Leaves	Used in Cough, Colds, Asthma, and Bronchitis	Effective remedy for hair loss treatment	Locals								
Herb	Methi	Trigonella foenum- graecum	Annual plant	temperate regions /homegardens	Plenty	Normal	used in stomach troubles and anaemia	leaves and seeds	cooking	NA	local farmers								

	Format-26 Timber Plants												
1	2	3	2	1	5	6	7	8					
T IN			Local	Status				Community/					
Local Name	Scientific Name	Habitat	Past	Present	Other Uses, if any	Associated TK	Other Details	Knowledge Holder					
Chir Pine	Pinus Roxiburghi	Terrestrial temperate	good	rare	NA	NA	nil	local people					
Deodar	Cedrus deodara	Terrestrial temperate	good	rare	Dense	NA	Commercial, own use	local people					
Fir	Abies pindrow	Terrestrial temperate	good	rare	Dense	NA	Commercial, own use	local people					
Kail	Pinus wallichiana	Terrestrial temperate	good	rare	Dense	NA	Commercial, own use	local people					
Walnut	Juglans regia	Terrestrial temperate	good	rare	Furniture, tooth cleaner	NA	Commercial, own use	local people					
Banj	Quercus incana	Terrestrial temperate	good	rare	Furniture, roofing	NA	Commercial, own use	local people					
Apricot	Prunusar meniaca	Terrestrial temperate	good	rare	Furniture, roofing	NA	Commercial, own use	local people					
Peach	Prunus persica	Terrestrial temperate	good	rare	Furniture, roofing	NA	Commercial, own use	local people					
Keth	Pyru spashia	Terrestrial temperate	good	rare	Furniture, roofing	NA	Commercial, own use	local people					
Rubinkul	Robinia sp	Terrestrial temperate	good	rare	Furniture, roofing	NA	Commercial, own use	local people					
Drek	Melia azedarach	Terrestrial temperate	good	rare	,firewood, furniture	NA	Commercial, own use	local people					
Moru oak	Quercus floribunda	Terrestrial temperate	good	rare	furniture, roofing ,ploughing equipment etc	NA	Commercial, own use	local people					
Kikar	Robinia pseudoacacia	Terrestrial temperate	good	rare	use for fodder ,firewood	NA	Commercial, own use	local people					
Chinar	Plantanus orientalis	Terrestrial temperate	good	rare	Furniture, roofing	NA	Commercial, own use	local people					
Shisham	Dalbergia sissoo	Terrestrial temperate	good	rare	Furniture, roofing	NA	Commercial, own use	local people					
Teak	Tectona granis	Terrestrial temperate	good	rare	furniture, roofing etc	NA	Commercial, own use	local people					
Tulkul	Morus nigra	Terrestrial temperate	good	rare	firewood, fodder for silkworm etc.	NA	Commercial, own use	local people					
Safeda	Eucalyptus	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-					

Format 27 A:	Coastal and M	Iarine Flora								
1	2	3	4		5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local	Status	Parts Collected	Commercial Uses	Other Uses	Associated TK	Community/ Knowledge
		Scientific Name	Habitat	Past	Present	(if any)	(if any)	Other Uses	Associated TK	Holder

Format 27 B: (Coastal and Ma	arine Fauna								
1	2	3	4	:	5	6	7	8	9	10
Animal Type	Local Name	Scientific Name	Habitat	Local	Status	Parts collected	Commercial Uses	Other Uses	Associated TK	Community/ Knowledge
Annnai Type	Local Ivalle	Scientific Name	Habitat	Past	Present	(if any)	(if any)	Other Uses	Associated TK	Holder

	Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others)											
1	2	3	4	5	6	7		8	9	10	11	12
					Season when	Local	Status		Mode of		Community/	
Animal Type	Local Name	Scientific Name	Habitat	Description	seen	Past	Present	Uses (if any)	Associated TK	Hunting, collecting (if any)	Other details	Knowledge Holder
Grey Junglefowl	Bankukard	Gallus sonneratii	Highlands	The species is endemic to India	November to January	Good	Rare			Hunting Banned		
Mammals	Chitra	Panthra pardus	Forest	Endangered	Winter season	Least	More	-	-	Weapon	endangered	-
Mammal	Bhalu	Ursus americanus	Forest	-	summer	Least	More	_	_	Weapon	_	-
Mammal	Fox	Vulpes vulpes	Forest	-	All season	More	More	_	_	Weapon	_	_
Birds	Neel	Monal phesant	forest	Endangered	All season	Least	Least	_	_	Weapon	Endangered	_
Birds	Gid	Gyps affricanus	Forest	Critically Endangered	All season	Least	Least	_	_	Weapon	Critically Endangered	_
Birds	Chakore	Pheasant	Forest	Endangered	All season	Least	Least	_	_	Weapon	Endangered	_
Birds	kabutar	Columba livia	Forest	-	All season	More	More	_	_	Weapon	_	-
Reptile	Sapp	Ptyas mucosa	Forest	-	summer	More	More	_		Stick	_	_
Reptile	Sapp	Lycodon Mackinnoni	Forest	-	Summer	More	More	_	_	Stick	_	-
Lizards	chipkali	Hemidactylus brookii	Forest/Local	-	Summer	More	More	_	_	Stick	-	_
Aquatic	Fish	Trout	Pond / Nalla	-	all	More	More	_	_	Hook n Net	_	-
Bird	Iel	Gyps himayensis	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	Self-observed
Bird	Khukhow	Clamato rJacabinu	Forest		Spring season	Available	Less	No		Prohibited	Maintains forest ecosystem	Self-observed
Bird	Dhik Charak	Picus cholorolophus	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	Self-observed

Bird	Kova	Corvus smacrorhynchos	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	Self-observed
Snake	Samp /sap	Serpentes	Forest /water		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	Self-observed
Fishes	Machli	Himaliyan trout	Water		All time	Available	Available	No		Prohibited	Maintains forest ecosystem	Self-observed
Bird	Myna	Acridotheres tristis	Forest		all time	common	common	No		Prohibited	Maintains forest ecosystem	local people
Insect	Tuller	Apis melifera	Temperate region	Dark brown colour body	Spring and summer	common	common	extraction of honey		NA	pollinating agent	local people
Insect	Mohh	Aedes spp	Temperate region	white marking on their legs and body	summer	common	common	Na		NA	body parasite of human and animals	local people
Insect	spider	Araneus mitificus	Temperate region	males are smaller and less colourful than females	all time	common	common	Na		NA	NA	local people
Insect	Bomsin	Pheretima posthuma	Temperate region	individual are hermaphrodite with segmented bodies	during summers	common	common	Na		Na	known as farmers friends	local people
Insect	Raeii	Tapinoma sessile	nests in open soil ,under stones etc	small sized insects with varied body	during summers	common	common	NA		NA	Strongly attracted to sweet substances	local people
Insect	Tcharr	Cimex lectularius	Temperate region	Adult cimex are light brown in colour ,flat oval	during summers	common	common	NA		na	nuisance pest	local people
Amphibian	Meinn	Rana tigrina	semi acquatic	solitary and nocturnal in nature	during spring to autumn	common	common	NA		NA		local people
Wild Animal	Leopard	Panthera pardus	Northern/ Sub- Tropical	-	Winter	Good	Good	-	-	-		local people
Wild Bird	Red jungle fowl	Gallus gallus	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-		local people
Wild bird	Rose ringed parakeet	Psittaculidae	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-		local people
Wild Animal	Fox	Vulpes	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-		local people
Wild Animal	Porcupine	Erethizon dorsatum	Northern/ Sub- Tropical	-	-	Rare	Rare	-	-	-		local people
wild insects	Grasshooper	Parallelus	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-		local people
wild insects	butterfly	Chorthippus brunneus	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-		local people
wild insects	bees	Apis mellifera	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-		local people
wild insects	ants	Brachymyrmex patagonicus	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-		local people

wild insects	Bumble bee	Bombus	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	local people
Amphibia	Frog	Euphlyctis cyanophlyctis	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	local people
Reptiles	Snake/Sap	Serpentes	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	local people

	URBAN BIODIVERSITY									
	Format 29: Flora									
1	2	3	4	5	6	7				
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)				

Note: Separate format should be used for road side plantation / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

Format 3	Format 30: Fauna								
1	2	3	4	5	6				
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)				

Format 31: Any other information of local importance						
1	2	3				
Sr. No.	Information of local importance	Remarks				
1	The Halqa Panchayat is Hilly and almost half of the area is not connected to road	Nil				

End of Part II