People Biodiversity Register (PBR): General Details
Name of the Panchayat Samiti: Buttla
Taluk: Bhaderwah
District: Doda
State: J&K UT
Geographical Area of the Panchayat Samiti: 329.5 Hac.
Population under the Panchayat Samiti: 2000
Male: 1100 Female: 900
Habitat and Topography: Hilly area
Climate (Rainfall, Temperature and weather patterns): Temperate area with Moderate rainfall
Land Use (Nine fold classification available with village records): Agriculture and horticulture
Date, Month and Year of PBR Preparation: 11/12/2020
Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM):-

# Annexure 1

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

1)Name of the Chairperson: Parveen Kumar
Age: 48
Gender: Male
Address: Buttla
Area of specialization: Sarpanch
2) Name: Shikma Devi
Age: 38
Gender: Male
Address: Buttla
Area of specialization: House wife
3) Name:- Nisar Ahmed
Age: 61
Gender: Male
Address: Buttla
Area of specialization: PDD Ex-Serviceman
4)Name: Satish Kumar
<b>Age:</b> 42
Gender: Male
Address: Barai
Area of specialization: Farmer
5)Name: Surjeet Singh
Age: 51
Gender: Male
Address: Buttla
Area of specialization: EX. Man BSF
6)Name: Kalshana Devi
Age: 30
Gender: Female
Address: Haddal
Area of specialization: Panch
7)Name: Bir Singh
<b>Age:</b> 35
Gender: Male
Address: Haddal
Area of specialization: Social worker

#### 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: Sardar Singh

Age: 60 yrs

Gender: Male

Address: Buttla (Saheri)

Area of specialization: (T.H)

Location from which the person accesses biological material: Forest

Perception of the practitioner on the resource status: satisfactory

Medicinal Use:

3)Name: Bod raj
Age: 60
Gender: Male
Address: Bhutla
Area of specialization: Vaid
Location from which the person accesses biological material: Forest
Perception of the practitioner on the resource status: satisfactory
Medicinal Use:
3)Name: Desraj
Age: 80
Gender: male
Address: Bhutla
Area of specialization: Vaid
Location from which the person accesses biological material: Forest
Perception of the practitioner on the resource status: satisfactory
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 of the Chairperson: Rishi Kumar
<b>Age:</b> 49
Gender: Male
Address: Haddal
Area of specialization: Fisheries
2) Name of the Chairperson: Rattan Singh
Age:
Gender: Male
Address: Buttla
Area of specialization: Agriculture
3)Name of the Chairperson: Man Singh
Age: 82
Gender: Male
Address: Bharai
Area of specialization: Forest
4)Name of the Chairperson: Bodraj
Age: 60
Gender: male
Address: Bhutla
Area of specialization: Forestry

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: Kartar Singh UPS Butla

2) Contact Person:

Name and Address: Mustaq Ahmed GPS Buttla

3) Contact Person:

Name and Address: Kishore Kumar UPS Haddal

4) Contact Person:

Name and Address: Rajesh kumar GPS bhutla

5) Contact Person:

Name and Address: Ashok kumar GPS Bhutla

					Annexure 5								
Det	Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the 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

#### Part II PBR – Formats AGROBIODIVERSITY

### Format 1: Crop Plants

- or mut -	. Стор гіа												1	
1	2	3	4	5	6		7	8	9	10	11	12	13	14
Crop	Scientific	Local Name	Variety	Landscape /	Approx Area	Local	Status	Special	Cropping	Uses	Associated	Other	Source of Seeds /	Community /Knowledge
Стор	Name		v al lety	Habitat	Sown	Past	Present	features	Season	USES	ТК	Details	Plants	Holder
Maize	Zea mays	Kookri	Plandri, Rashi4794, Bio-9621, Bio- 9220	Hilly temperate and intermediate		Local	Improved varieties	April sown, local variety dentles, corn & flour sweet in taste	Kharif	Major food item, used as flour, feed to cattle, poultry etc.	plandri sown before 15 <sup>th</sup> april.	NA	HH kept seed, Deptt. Of agriculture, private seed dealers	rural
Barley	Hordeum vulgare	Joo	Local barley, ratna, sonu	Hilly, temperate and intermediate		Local varieties	Improved varieties	Most efficient under rainfall conditions	Rabi	Grains used as cattle feed besides, green crop used as fodder.	NA	NA	Self, Agriculture Department	Local/ Aged farmers of rural communities possess TK
Brown Mustard	Brassica juncea	Sarsoon	Local, KS- 101, KOS-1	Temperate and intermediate		Local varieties and low production	Improved varieties and high production	Crop severely affected by the snowfall during the month of dec- feb	Rabi	Green leaves used as vegetables and seeds used for extracting oil used in cooking and for other relevant purposes		NA	Farm saved seed, from peer groups of farmers, from deptt. Of agriculture and other relevant sources	Cultivation and management practices among the farming communities across the district.

Rice	oryza sativa	chawal	local DOUG rice ,china100 7, china988	Hilly temperate and intermediate	local varieties	Improved varieties and high production	high yield production	kharief	staple food	energy rich	NA	HH kept seed, Deptt. Of agriculture, private seed dealers	Farmer of the areas
Tomato	Lycopersicu m esculentum	Rotawanghun	cherry tomato, roma SS-1	Mid/ temperate hills	Local varieties	Improved varieties and high production	NA	July- September	as vegetable and jam	Rich in vitamin C and Lycopene	NA	Seed being traditionally cultivated and focussed locally	Local/ Aged farmers of rural communities possess TK
Kale	Brassica olereca	Haak	G.M Dari, Khanyari	Hilly temperate and intermediate	Plenty	plenty	high yield production	Kharief and Rabi crop	Ass vegetable	Rich in fibre	Suitable for all areas	HH kept seed, Deptt. Of agriculture, private seed dealers	Local/ Aged farmers of rural communities possess TK
Bottlegouard	Lagenaria siceraria	Aul	Local variety	Hilly temperate and intermediate	Plenty	plenty	high yield production	Kharief	As vegetable	good for health	Suitable for all areas	HH kept seed, Deptt. Of agriculture, private seed dealers	Local/ Aged farmers of rural communities possess TK
Potato	Solanum tubersum	Aalu	Pahadi aalu	Hilly temperate and intermediate	Plenty	plenty	high yield prodcution	kharief	as vegetable and chips	proteins and carbohydrate		HH kept seed, Deptt. Of agriculture, private seed dealers	Local/ Aged farmers of rural communities possess TK

Frenchbeans	Phaseolus vulgaris	frashbean	pahadibeans	Hilly temperate and intermediate		local varieties	Improved varieties and high production	high yield production	may to october	As vegetable	rich in iron and magnese	for all	privato cood	farmers of rural communities
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	Format-2 : Fruit Plants														
1	2	3	4	5		6		6		8	9	10	11	12	
Plant	Scientific Name	Local Name	Variety	Landscape	Local	Status	Source of Seeds /	Season of	Associated	Uses	Other Details markt / own	Community /Knowledge			
	Scientific Fullic		Variety	/Habitat	Past	Present	Plants	fruiting	ТК	0363	use	Holder			
Apple	Malus domestica, borkh	Saib	Red Delicious, Golden Delicious, Maharaji, American etc.	Tree, regular bearing	Plenty	Plenty	Plenty	Nurseries	NA	Fruit, Economy Generation	Marketing, Own use	department of horticulture			
Pear	Pyrus spp.	Nakh	Patharnakh, China pear	Tree, regular bearing	Plenty	Plenty	Plenty	Nurseries	NA	Fruit, Economy Generation	Marketing, Own use	department of horticulture			
Peach	Prunus persica	Aaroo	July Elberta, Quetta	Tree, regular bearing	Plenty	Rare	Rare	Nurseries	NA	Fruit	Marketing, Own use	department of horticulture			
Apricot	Prunus armeniaca	Khubani, Sadi	Local apricot, Bebco	Tree, regular bearing	Plenty	Plenty	Plenty	Nurseries	NA	Fruit	Own Use	department of horticulture			
Walnut	Juglans regia	Akhrot	Paper/Thin Shhelled, Hard & Medium Shelled	Tree, regular bearing	Plenty	Average	Plenty	Nurseries& Locally raised	NA	Dry-fruit, Economy generation	Marketing, Own use	department of horticulture			
Plum	Prunus salicinia	Aaloo Bukhara	Santa rosa. Aloo Bukhara	Tree, regular bearing	Plenty	Average	Rare	Nurseries& Locally raised	NA	Fruit	Own use	department of horticulture			
Pecannut	Carya illinoenis	Pecan	Western shell	Mid/temperate hills	Plenty	Average	Nurseries	Sept-Oct	NA	Dry Fruit	Marketing, Own use	department of horticulture			
Plum	Prunus salicinia	Aaloo Bukhara	Santa rosa, Allo Bukhara	Mid Hills	Plenty	Average	Nurseries, locally raised	July-august	NA	Fruit	Own use	department of horticulture			

Persimmon	Diospyros	Amlook	Local	Mid/temperate hills	Plenty	Average	Locally raised	July-august	NA	Fruit	Marketing, Own use	department of horticulture
Quince	Cydonia oblonga	Bhai	Local	Mid/temperate hills	Plenty	Average	locally raised	July- September	NA	Fruit, Seed	own use, Marketing	department of horticulture
Grapes	Vitis vinifera	Dasch	local	Mid/ temperate	Average	Average	raised,govt nu	uly to septembe	NA	Fruit	wn use, Marketin	department of horticulture
Pomegranate	Punica granatum	anaar	anaar	Mid/temperate hills	average	average	locally raised	July- September	NA	Fruit	own use, Marketing	department of horticulture
cherry	Prunus avium	cherry	local	Mid/temperate hills	average	average	Nurseries& Locally raised	may july	NA	Fruit	Marketing, Own use	department of horticulture

			]	Format 3	:-Fodder	· Crops / Speci	es			
1	2	3	4		5	6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape	Local	Status	Source of Seeds /	Associated TK	Part Used		Community /Knowledge
Flant	Scientific Name	Local Maine	/Habitat	Past	Present	Plants	Associated 1K	Part Useu	Other Details	Holder
Oats	Avena sativa	Ghaas	Temperate/ Intermediate	Local varieties	Improved varieties	Self	Stored in locally made indigenious structure called "Tye"	Crop	NA	NA
Berseem (Egyptian Clover)	Trifolium alexandrinum	Gjaas	Irrigated areas	NA	Improved varieties	Self	NA	Crop	NA	NA
Milkweed	Euphorbia thymifolia	Dudli	Temperate/ Intermediate	local varieties	local varities	self	NA	crop	containing milky fluid like substance	local farmers of rural community
Sorghum	Sorghum bicolor	charri	Temperate/ Intermediate	local varities	local varities	self	NA	crop		local farmers of rural community
Crowfoot grass	Dactyloctenium australe	Beran	Temperate/ Intermediate	local varities	Improved varieties	self	NA	Crop	containg lots of fibre	local farmers of rural community
Jhonson grass	Sorghum halepense	Bray	Temperate/ Intermediate	local varities	Improved varieties	self	NA	crop	associated with maize crop	local farmers of rural community
lambs quarters	Chemoporium album	kunah	Temperate/ Intermediate	local varities	Improved varieties	self	NA	crop	associated with maize crop	local farmers of rural community
Tall buckweed	Fagopyrum cymosum	Fafra	Temperate/ Intermediate	local varities	Improved varieties	self	NA	crop	associated with maize crop	local farmers of rural community
Grasses	Rhododendron	ghass	Temperate/ Intermediate	local varities	local varities	self	NA	Whole	Whole Medicinal use	
Dub grasses	Cynodon dactylon	Dub grasses	Temperate/ Intermediate	local varities	local varities	self	NA	Whole	use as a fodder	local farmers of rural community
Loonder grass	Themeda anathera	ghass	Temperate/ Intermediate	local varities	local varities	self	NA	Whole	used in broom making and use as a fodder	local farmers of rural community

Format-4 :	: Weeds											
1	2	3	4	5	6		7		9	10	11	12
Plant	Scientific	Local Name	Name Affected Crop Impact Landscape		Status	· Uses if any	Management	Associated TK	Other Details	Community /Knowledge		
	Name			<b>F</b>	/Habitat	Past	Present		Options		like exotic	Holder
Іротоеа	Ipomea spp	Zeharbael	Maize	Destroys the plant	Temperate and Intermediate	No weed management	Scientific based weed management	Nil	Proper and timely removal	Nil	NA	NA
Іротоеа	Ipomoea aquatica	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
Water clover	Marsilia quadrifolia	Ham, Aaw	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

Dub grass	Cynodon dactylon	Dramun	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
Johnson grass	Sorghum halepense	Bray	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
Milk weed	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
Bang	Cannabis indica	bang	kharief crops	Affect crop yield	agricultural land and wasteland	average	average	nil	mechanical and chemical	competes with main crop	NA	local farmers of rural community
Shrub	Urtica dioica	soi	Local/wild	Affect crop yield	Temperate and Intermediate	Average	average	nil	mechanical and chemical	competes with main crop	NA	local farmers of rural community

				Fo	rmat-5: Pests	of Crops			
1	2	3	4	5	6	7	8	9	10
Host	Insect /Animals	Scientific Name	Local Name	Habitat	Time / Season of Attack	Management mechanism	Associated TK	Other Details	Community /Knowledge Holder
	Leaf folder	Cnaphalocracis	Patta Modak	Paddy fields	Tillering stage/ monsoon	Dragging rope across the field, light traps, spraying chloropryfos, cypermethrin or cartap hydrochloride to kill the larvae	Clipping of upper portion of seedlings	NA	NA
Paddy	Stem Borer	Scirpophaga incertulas	Tanna shedak	Paddy fields	July to September	Soil solarisation in May or June. Cartap hydrochloride 4G @1.25kg/Kanal or carbofuran 3G @1Kg/Kanal`	NA	ETL 5% dead heart	NA
	Aphids	Sitobin avenae	Tella	Polyphagous	Feb-April	Proper spray of insecticides	NA	NA	NA
	Pink stem borer	Sesamia inferns	Ludi	Polyphagous/ debris	Nov-feb	Field sanitisation and continuous removal and destruction of infected plants	NA	NA	NA
Wheat	Termites	Odontotermis	Sink	Polyphagous/ sandy and loamy soils	Kharif	Field sanitisation and continuous removal and destruction of infected plants	NA	NA	NA
	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
Tomato	fruit borrer	Helicoverpa zea	corn earworms	leaves ,shoots ,buds and flower	may -september	spray dimethoate	causes fungal and bacterial infection		local farmers of rural community
vegetables	leaf borer	Spodoptera exigua	pediye	attack on leaves	Kharif	Proper spray of insecticides	Reduces crop yiield	NA	local farmers of rural community
Bottleguard	fruitfly	Dacus cucurbitee	stem rot	pulp of the fruits	july to october	Dusting with some repellents	causes fungal and bacterial infection	NA	local farmers of rural community
Rajma	watery soft rot	Sclerotinia sclerotiorum	Dhoru	stem, leaves and pods	july to october		Reduces crop yiield	NA	local farmers of rural community
Potato	white grab	Holotrichia species	keed	root and tubers	march= nov	drench the soil with chloropyriphas	Reduces crop yiield	NA	local farmers of rural community
Maize	Armyworm	Spodoptera frugiperda	Tokka	upper part of maize	Kharif	Proper spray of insecticides	Reduces crop yiield	NA	local farmers of rural community
Rice	Grasshopper	Oxya japonica	titt	upper part	kharief	Proper spray of insecticides	Reduces crop yiield	NA	local farmers of rural community

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

Format 7: P	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			
SC= 1200	Agriculture and horticulture												
ST=300	Agriculture and horticulture												

	Format 8: Landscape													
	1		2	3	4		6	7	8	9	10	11	12	
Major	Landscap	es	Call Landaraa	Features	O muchin	General	General	<b>T</b>	Management	General uses	Associated	Others data ile	Community	
Agricultural land	Pond	Fallow land	Sub - Landscapes	and approx. area	Ownership	flora	fauna	User groups	practices	General uses	ТК	Other details	accessed	
Cultivated			Cultivated	Fertile land 69ha	Private	Plants, Herbs	Rodents, insects	Villagers	Crop Rotation, Terracing	Cultivation	Used for farming	Nil	Low income communities	
Non-Cultivated Land			Non-Irrigated Land	Less fertile 47ha	Govt. as well as private	Marshy, Swampy plants	Insects and Amphibians	Villagers	Crop Rotation, Terracing	Cultivation	Available for farming	Nil	Low income communities	
Forest Land			Forest Land	Forests 67ha	Govt. Land	Deodar, Pine, Spruce etc.	Wild animals, Insects	Villagers	Afforestation, Closers	Firewood, timber, medicinal plants etc.	NA	Nil	Every Community	
Irrigated land			Irrigated land	Fertile land 79ha	Private land	Rice, Vegetables flowers etc.	Amphibians , Insects	Zamindars	Canals, Channels, Khuls, Distributories etc	Crop Cutivation	Available for farming	Nil	Every Community	
Grazing Land			Non-Cultivated	Lush green 31.5ha	Govt. Land	Plants, Herbs	Rodents, insects	Villagers	Nil	Animal grazing	NA	Nil	Every Community	

	Format-9: Waterscape													
1	2	3	4	5	6	7	8	9	10	11	12	13		
Waterscape	Sub-type	Features and Approx. area	Ownership	General flora	Genreal fauna	Major Uses	User group	Management practices	General uses	Assocaited TK	Other details	Community accessed		
Canals	Khuls	Irrgational khuls	Govt./ Panchayat	Crop like fruits, vegetables and flowers	Frog, tadpole	Irrigation	Locals	De-silting, timely repairs	Irrigation	Na	Na	General public of Panchayat		
Nallah	Nallah	From glacier or spring	Govt./ Panchayat	Crop like fruits, vegetables and flowers	Frog, tadpole	Irrigation, drinking water, daily use	Locals	Nallah- bunding, Check-dams etc	Irrigation	Na	Na	General public of Panchayat		
River	Stream	Fresh water	Govt./ panchayat	Bryophytes, ferns	Amphibians, Snow trout	Drinking water, irrigation, daily use etc.	Locals	Check-Dams, Strengthening of river banks	Drinking, HH activities, irrigation	Na	Na	General public of Panchayat		

Format-10: S	oil 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	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	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	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	NA
Alluvial soil	light grey or ash grey	fertile soil and rich in potash and lime	NA	pulses, vegetables, fruits etc	both	NA	NA

	Format 11: Fruit Trees													
1	2	3	4	5	6 7		8	9	10	11	12	13		
Plant	Scientific Name	Local Name	Variety	Habit	Landscape / Habitat	Local Past	Status Present	Source of Seeds / Plants	Season of fruiting	Associated TK	Uses	Other Details markt / own use	Community / Knowledge Holder	
Apple	Malus domestica	Saib	Red Delicious, Golden Delicious, Maharaji, American etc.	Tree, regular bearing	Temperate Hills	Rare	Plenty	Nurseries	Aug-Oct	Fruit, Economy Generation	rich in vitamins and other nutrients	Marketing, Own use	Department of horticulture	
Pear	Pyrus spp.	Nakh	Patharnakh, China pear	Tree, regular bearing	Mid Hills	Plenty	Plenty	Nurseries	Aug-Sep	Fruit, Economy Generation	rich in vitamins and other nutrients	Marketing, Own use	Department of horticulture	
Peach	Prunus persica	Aaroo	July Elberta, Quetta	Tree, regular bearing	Mid Hills	Average	Rare	Nurseries	June-July	Fruit	rich in vitamins and other nutrients	Marketing, Own use	Department of horticulture	
Apricot	Prunus armeniaca	Khubani, Sadi	Local apricot, Bebco	Tree, regular bearing	Mid Hills	Plenty	Plenty	Nurseries	June-July	Fruit	rich in vitamins and other nutrients	Own Use	Department of horticulture	
Walnut	Juglans regia	Akhrot	Paper/Thin Shhelled, Hard & Medium Shelled	Tree, regular bearing	Temperate Hills	Plenty	Plenty	Nurseries& Locally raised	Sept-Oct	Dry-fruit, Economy generation		Marketing, Own use	Department of horticulture	
Plum	Prunus salicinia	Aaloo Bukhara	Santa rosa. Aloo Bukhara	Tree, regular bearing	Mid Hills	Plenty	Rare	Nurseries& Locally raised	July-Aug	Fruit		Own use	Department of horticulture	

Persimmon	Dios spyrus	Amlook	Local	Tree, regular bearing	Mid/ temperate hills	Rare	Rare	Locally raised	July-august	fruit	Marketing	Department of horticulture
Fig	Ficus carica	Anjeer	local	Tree, regular bearing	Mid/ temperate hills	Average	average	Nurseries	Aug-Oct	fruit	Marketing ,o wn use	Department of horticulture
		Tanchi	local	Tree, regular bearing	Mid/ temperate hills	Average	average	Nurseries	July-august	fruit	Own use	Department of horticulture
almond	Prunus amygdalus	badam	local	Tree, regular bearing	Mid Hills	Plenty	Average	loacally raisedor depatment of agriculture	july to sept	dry fruit economy generation	own use	Department of horticulture
cherry	Prunus avium	cherry	local	Tree, regular bearing	Temperate Hills	average	average	Nurseries& Locally raised	may july	Fruit	Marketing, Own use	Department of horticulture

				Format 12:	: Medicinal	Plants (I	Herbs, S	hrubs, Trees et	c.)			
1	2	3	4	5	6	5	7	8	9	10	11	12
Diant Tune	Local Name	Scientific Name	Variety	Landscape/	Source of	Location	n Status	Uses (usage)	Part used	Associated	Other details market/own	Community
Plant Type	Local Name	Scientific Ivanie	variety	Habitat	Plant/seeds	Past	Present	Uses (usage)	Part useu	ТК	use	know Holders
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	Fruit	Local people
Herb	Dhaniya	Coriandrum sativum	Local	Temperate	Cultivated	Available	Available	Used for loss of appetite, tooth aches	Seeds	Cure pain	Seeds	Local people
Herb	Pudina	Mentha spicata	Local/wild	Temperate	Cultivated/ naturally grown	available	Available	To cure infection	Leaf	Cure infection	both	Local people
Herb	Pyaz	Allium cepa	Temperate	Cultivated	Available	Available	Available	Roots	To relive cough and cold	Extract	both	Local people
Herb	Lahsun	Allium sativum	Local	Temperate	Cultivated	Available	Available	To cure wounds	Whole plant	Used for wounds	As such	Local people
Herb	Green Chilly	Capsicum annuum	Local	Temperate	Cultivated	Available	Available	To improve immune system	Entire	Improve eye site	Fruit	Local people

Herb	Neg chetri	Trillium govanianum	Local/wild	Temperate	Cultivated/ naturally grown	Plenty	Average	Anti inflammatory remedy,	Whole plant	available	marketing and own use	naturally / rural farmers
Herb	Zakhm e hayat	Bergenia ciliata	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	Wound healing, vomiting ,fever, coughand pulmonary infections	leaves	available	marketing and own use	naturally / rural farmers
Herb	chooray	Angelica glauca	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	dysentry, stomach troubles , infantile atrophy,menorrhagi a andrinderpest	stems	available	marketing and own use	naturally / rural farmers
Herb	Gucchi	Helvella esculenta	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	Various medicinal purpose like diabetes	whole plant	available	marketing and own use	naturally / rural farmers
Herb	pitpapda	Fumeria parviflora	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	treatment of fever, gastristis, diarrhea etc	whole plant	available	marketing and own use	naturally / rural farmers
Herb	Patreesh	Aconitum heterophyllum	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	used against diarrhoea , general weakness and fever	roots	available	marketing and own use	naturally / rural farmers
Herb	Ceski	Artemesia absinthium	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	remedy for indigestion, gastric pains, antiseptic etc	stem and leaves	available	marketing and own use	naturally / rural farmers
Herb	Bethri dhoop	Juniperus communis	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	curing asthama, against swellings, stimulant and diuretic	flower fruits	available	marketing and own use	naturally / rural farmers
Shrub	Kuth	Sassurea costus	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	dysentry,dental trouble, heart problems etc	leaves/ roots	available	marketing and own use	naturally / rural farmers

Herb	jungli straberry	Fragaria nubicola	wild	Temperate	naturally grown	available	average	Stomach disorders	fruit	available	marketing and own use	naturally / rural farmers
Herb	Haand dandelian	Taraxacum officinalis	wild	Temperate	seeds	rare	rare	treatment of skin ,indigestion, jaundice etc	Leaves	available	marketing and own use	naturally / rural farmers
Herb	Banfsha	Violas serpens	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	cough and cold	whole plant	available	marketing and own use	naturally / rural farmers
Herb	Dramun	Cynodon dactylon	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	used for cough	Stem/ leaves	available	marketing and own use	naturally / rural farmers
Shrub	Datura	Datura stramonium	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	medicine	Seeds	available	marketing and own use	naturally / rural farmers
Shrub	Soi	Urtica dioica	Local/wild	Temperate	Cultivated/ naturally grown	Available	Average	Rehumitides	Leaves/ stem	available	marketing and own use	naturally / rural farmers
Herb	Bhang	Cannabis sativa	Local/wild	Temperate	naturally grown	Available	Available	treatment of pain , loss of appetite , insomania , depresssion etc	Leaves/ stem	available	marketing and own use	naturally / rural farmers
Herb	Kaudh	Picrorhiza kurroa	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	Pain reliever		available	marketing and own use	naturally / rural farmers
Herb	Kishmay	Berberis lycium	Local/wild	Temperate	Cultivated/ naturally grown	Available	Available	Jaundice		available	marketing and own use	naturally / rural farmers

Herb	Teevnd	Viburnum grandiflorum	wild	Temperate	naturally grown	plenty	average	cough and anticold	flowers /seeds	available	marketing and own use	naturally / rural farmers
Herb	Baryan	Acorus calamus	Local/wild	swapmy marshy areas	naturally grown	plenty	average	treatment of gouts	rhizome/ lowe part	available	marketing	naturally / rural farmers
herb	Malzudi	Ainsiaea apterea	wild	Temperate	naturally grown	plenty	average	used to treat stomach ache and urinary disease	stem leaves	available	marketing and own use	naturally / rural farmers

			Format 13:	Ornamental I	Plants/ Trees/Cli	mbers 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
.shurb	Teevand	Viburnum grandiflorum	Forest	Temperate	Non commercial	use as anti inflammatory medicine	NA	NA	local people
.shurb	Tilpushu	Digitalis purpurea	Forest	Temperate	Non commercial	used to treat edema	NA	NA	local people
Shurb	Lavender	Lavandula angustifolia	Forest	Temperate	Commercial	medicinal uses	NA	NA	local farmers of rural community
Shurb	Rose	Rosa sanctum	near home garden/ wild	Temperate	Non commercial	Ornamental	NA	NA	Self observed
Shurb	Merigold	Tagetes erecta	near home garden/ wild	Temperate	Non commercial	Ornamental	_	NA	Self observed

				Format	14: Timt	oer Plants / T	rees			
1	2	3	4	5	5	6	7	8	9	10
	I I N		TT-1-1-4	Local status		Wild/ home-	Other uses			Community/ Know.
Plant Type	Local Name	Scientific Name	Habitat	Past	Present	garden	(multi)	Associated TK	Other details	holder
Tree	Walnut	Juglans regia	Temperate	Least	Plenty	Wild , home	Furniture, tooth cleaner	NA	unknown	Department of horticulture and local people
Tree	Banj	Quercus incana	Temperate	Plenty	Plenty	Wild	Firewood	NA	Unknown	Department of horticulture and local people
Tree	Apricot	Prunusar meniaca	Temperate	Least	Plenty	Wild, home	Furniture, firewood	NA	Unknown	Department of horticulture and local people
Tree	Peach	Prunus persica	temperate	Least	Plenty	Wild, home	Firewood	NA	Unknown	Department of horticulture and local people
Tree	Keth	Pyrus pashia	Temperate	Plenty	Least	Wild	Firewood	NA	Unknown	Department of horticulture and local people
Tree	Rubinkul	Robinia s.	Temperate	Plenty	least	wild/ home- garden	Furniture, firewood	NA	Unknown	Department of horticulture and local people
Tree	Drek	Melia azedarach	Temperate	Plenty	Average	wild	Furniture, firewood	NA	Unknown	Department of horticulture and local people
Tree	Moru oak	Quercus floribunda	Temperate	Plenty	Average	wild	Furniture, firewood	NA	Strongest wood	Department of horticulture and local people

Tree	Fur	Abies pindrow	Temperate	Plenty	Average	wild	Furniture, firewood	NA	Unknown	Department of horticulture and local people
perinnial	Kail	Pinus wallichania	Temperate	Plenty	Average	wild	Furniture, firewood	NA	Unknown	Department of horticulture and local people
perinnial	Tulkul	Morus nigra	Temperate	Plenty	Average	wild/ home- garden	fodder for silk worm and Firewood	NA	Unknown	Department of horticulture and local people
perinnial	Devdar	Cedrus deodara	Temperate	Plenty	Average	wild	Furniture, firewood	NA	Strongest wood	Department of horticulture and local people
perinnial	Kikar	Robinia pseudoacacia	Temperate	Plenty	Average	wild	fodder for animals and firewood	NA	Unknown	Department of horticulture and local people
Tree	Chinar	Platanus orientalis	Temperate	Plenty	least	wild/ home- garden	Furniture, firewood	NA	Unknown	Department of horticulture and local people
Tree	Shisham	Dalbergia sissoo	Temperate	Plenty	Average	wild/ home- garden	Furniture, firewood	NA	Unknown	Department of horticulture and local people
Tree	Kharsoo	Quercus semicarpifolia	Temperate	Plenty	Plenty	Wild	Firewood		unknown	Department of horticulture and local people
Tree	Khau	Olea cuspidata	Temperate	Plenty	Least	Wild	Firewood	NA	unknown	Department of horticulture and local people

	Format 16: Culture Fisheries													
1	1 2 3 4 5						7	8	9	10	11	12		
Fish Type	Local Name	Scientific	Variety	Features	Waterscape (Pond/Bheri/	Loca	status	Uses	Associated	Commercial	Other	Community Know.		
		Name	Variety	Features	(Fond/Dherl/ Talao)	Past	Present	USES	ТК	Rearing	details	Holders		
Fresh Water Fish	Carp Fish	Cyprinus carpio		Dorsal fin based long with 17-22 branched rays	Snow fed stream	Plenty	Abundant	Food	Nil	No	n/a	Mehigirs & Deptt. Of fisheries		
Cold Water	Desi Gad	Schizothorax	Indigenous	Elongated tube form with short snout barbles, lower lip folded	Snow fed stream	Plenty	Abundant	Food	Nil	No	N/a	Mehigirs & Deptt. of fisheries		
Cold Water Fish	Rainbow Trout	Oncorhynchus mykiss	Indigenous	Body elongated with small scales and adipose fin	Snow fed stream, colder region	n/a	In govt. farms, Pvt. Ponds	Food	Nil	Yes	N/a	Mehigirs & Deptt. of fisheries		

	Format 15: Domesticated Animals													
1	2	3	4	5	6	-	7	8	9	10	11	12		
Animal Type	Local Name	Scientific Name	Breed (local/	Features	Method of	Local	Status	Uses	Associated	Commercial	Other details including	Community		
	Locui Munic		hybrid)	i cutui ts	keeping	Past	Present	0303	TK	rearing	products and Services	Know.Holders		
	Deshi Baschi	Bos indicus	Local	Humpped		Abundant	Decreased					All		
Cattle	Jersey	Bos taurus	Jr. CB	Dished Face	Free Range & Stall Feeding	Very Few	Increased	Female for Milk &Male for Draught Purpose	Nil	Nil	Ghee , Curd, Butter, Desi Klari, Paneer	All		
	Doraghi	Bos taurus	Hf CB	B/W Spotted		Very Few	Increased					All		
Buffalo	Bhain	Bubales bubalis	Desi/ Local	N.D.	Free Range & Stall Feeding	Very Few	Very Few	Female for Milk & Male for Breeding Purpose	Nil	Nil	Ghee , Curd, Butter, Desi Klari, Paneer	Gujjar		
Equine	Khacchar	Equus	N.D	Height Less	Intensive	Abundant	Decreased	Draught	Nil	Nil	Riding	All		
Lquine	Ghoda	Cabballus	N.D	than 9 Hands	intensive	Tundant	Decreased	purpose	1411	T VII	Purpose	7111		
Canine	Kuttar	Canis familaris	Local	N.D.	Stray	Abundant	Abundant	Guarding Purpose	Nil	Nil	Nil	Non specific		
Feline	Balai	Felis catus	N.D.	Grey coloured	Stray	Abundant	Abundant	To kill rats	Nil	Nil	Nil	Non specific		

Doultry	Kukkar	Gallus	Desi/ Local	Enriched Meat Flavour	Intensive,	Abundant	Decreased	Egg/Moot	Nil	Nil	Nil	All
Poultry	Farmi Kukkar	domesticus	Chabro Cross	Good Egg Yielder	Free range, Backyard	Very Few	Increased	Egg/Meat	INII	INII	INII	All
Goat	Bakri	Capra hircus	Kaghani (bakarwali)	Large size/ more weight	Flock rearing	Rare	Plenty	Mutton, manure	Nil	Yes	Mutton, wool, manure, hides	Locals, nomads
Yak	Yak	Bos grunniens	lLocal	Large size/ more weight	Free Range & Stall Feeding	Avewrage	Decreased	used for ploughing and threshing	nil	nil	agricultural purposes	Locals, nomads

	Forma	t 17: Markets / F	airs for Don	nesticated Anima	ıls, Medicinal Pl	ants and other pr	oducts	
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
NA	NA	NA	NA	NA	NA	NA	NA	NA

			Format 18	: Trees, Sl	hrubs, He	erbs, Tub	ers, 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 Knowledge
Flant Type	LUCAI Name	Scientific Ivalle	Haut	Haditat	Past	Present	own use	Fait conecteu	Associated TK	Other details	Holder
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	Platanus 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,menorrh agia andrinderpest	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

		Format	19: Wild Plant Spe	ecies of Importance	
1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic,social,cultural etc.)	Status
1	Akhroot	Juglans regia	wild	Economically important as farmer fetches good price, socially important for different cuisines, improves good cholesterol	Plenty
2	Bhang	Cannabis sativa	wild	Commercial extraction banned, given to animals to improve their health	Plenty
4	GuchiMashroom	Morchella esculenta	wild	Dried and sold which fetches Rs.10000-15000 per Kg used in making pulao (cuisine), as aphrodisiac in medicine	rare
5	Kasrod	Diplazium	wild	Used as vegetable, collected by locals and sold	average
6	kundi	Peziza violacea	wild	Used as vegetable, collected by locals and sold	average
7	Bankakri	Podophyllum hexandrum	wild	Used as vegetable, collected by locals and sold	average
8	Bhang	Cannabis sativa	wild	medicinal use	Plenty
9	Bathappad	Boletus edulis	wild	Used as vegetable, collected by locals and sold	average
10	kulmosh	Viburnum cotinifolium	wild	fruits	average
11	cauliflower fungus/ kakho	Spariss crispa	wild	mushroom	average
12	Pendak	Crataegus songarica	wild	fruits	average

13	Faagu	Ficus palmata	wild/ local	fruits	average
14	Timru	Zanthoxylum armatum	wild	used as a flavouring agent , spice and medicinal use also	average
15	Chukru	Oxyria digyna	wild	Used as vegetable, collected by locals and sold	Plenty
16	Fafra	Fagopyrum cymosum	wild	Used as vegetable, collected by locals and sold	Plenty
17	shedi(bakar)	Sparrasis radiata	wild	Used as vegetable, collected by locals and sold	average
18	Bhrami	Taxus baccata	Wild Plant	Medicinal Plant and used to cure cancer	average

			For	mat 20: Aquat	ic Biodiv	ersity				
1	2	3	4	5		5	7	8	9	10
					Local	Status				Community
Local Name	Scientific Name	Variety	Features Habitat		Past	Present	Uses	Associated TK	Other details	knowledge holder
Fish	Schizothorax	Natural	Small size	Water, Temperate	Available	available	Food.	Widely distributed	All time	Mehigirs & Deptt. of fisheries
carp fish	Cyprinus carpio	European	Dorsal fin based long with 17-22 branched rays	Snow fed stream	Plenty	Abundant	Food.	Widely distributed	nil	Mehigirs & Deptt. of fisheries
Rainbow Trout	Oncorhynchus mykiss	Indigenous	Body elongated with small scales and adipose fin	Snow fed stream, colder region	NA	In govt. farms, Pvt. Ponds	Food	nil	Nil	Mehigirs & Deptt. of fisheries

		Format	t 21: Wild Aquatic Pla	ant Species of Importance	
1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic,social,cultural etc.)	Trends
1	West himalyan alder	Alnus nitida	local	medicinal use of bark of this tree	abundant
2	Duckweed	Spirodela polyrhiza	local	use animals for feedingand also helps in bioremediation	abundant

			I	Format 22: W	/ild Plant	s of Medic	cinal Impo	rtance							
1	2	3	4	5		6	7	8	9	10	11				
Plant(herb,	Local Name	Scientific Name	Variety	Landscape/	Local	Local status		Local status		Local status		uses	Part used	Other details	c.knowledge
shrub,tree)			,	habitat	Past	Present	ТК			market/own 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 t 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	Kaudh	Picrorhiza kurroa	Herb	Temperate	Available	Available	Available	Used as a Pain reliever		own use /marketing	local farmers of rural community
Herb	Kishmay	Berberies lycium	Herb	Temperate	Available	Available	Available	used to treat Jaundice		own use /marketing	local farmers of rural community
Herb	Teevnd	Viburnum grandiflorum	Herb	Temperate	plenty	average	Available	cough and cold	flowers /seeds	own use /marketing	local farmers of rural community
herb	Malzudi	Ainsiaea apterea	wild	Temperate	naturally grown	plenty	average	used to treat stomach ache and urinary disease	stem leaves	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	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	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	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	Used in various 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

				Format	23: Wild 1	relatives of Cı	rops			
1	2	3	4	Į	5	6	7	8	9	10
Local	Scientific	Accessized even	Landscape /	Local	Status	Uses	Part	Associated	Other details	Community / Know
Name	Name	Associated crop	Habitat	Past	Present	(usage)	Used	ТК	Other details	holder
Desiber	Ziziphus	Ber	Temperate	Available	Available	Ber	Temperate	_	_	Farming Community of the area
Juniber	Juniperus communis	Pinophyta	Temperate	Available	Available	pinophyta	Temperate	Food plant of butterflies'	_	_

			Format 24: O	rnamental Plant	S		
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
Rose	Rosa sanctum	Red rose	Low land	Commercial	Ornamental	Not Known	Self observed
Merigold	Targetes erecta	Local	Natural	Both	Ornamental	-	Self observed
Bull bay	Magnolia grandiflora	Local	Natural	Both	Ornamental and medicinal		Self observed
Green spire	Euonymus japonicus	Local	land scape plant	non commercial	Ornamental		Self observed

Format 25	: Fumigate / Cl	hewing Plants									
1	2	3	4	5	(	6	7	8	9	10	11
Plant (herb,shrub,	Local Name	Scientific Name	Variety	Habitat	Local status		Uses	Part used	Ass.TK	Other details	Community knowledge
(nero,snruo, Tree)		Scientific Name	variety	Habitat	Past	Present	Uses	Part useu	Ass.1K	Other details	holder
Herb	Pudina	Menthalongifolia	Herbaceous perennial	temperate regions /homegardens	plenty	plenty	herbal uses, beverages etc	leaves	used with vinegar remove dandruff	NA	local farmers
Herb	Baberbeol	Ocimum basicilum	Herbaceous perennial	temperate regions /homegardens	average	average	spice and cosmetic use	seeds	cosmetic use	NA	local farmers
Herb	saunf	Foeniculum vulga	Herbaceous perennial	temperate regions /homegardens	plenty	average	used as a spice and some other medicinal uses	saunf	cooking and chewing	NA	local farmers
Herb	Methi	Trigonella foenum-graecum	Annual plant	temperate regions /homegardens	plenty	average	used in stomach troubles and anaemia	leaves and seeds	cooking	NA	local farmers
Herb	Baryan(sweet flag)	Acorus calamus	Herbaceous perennial	marshy areas	average	average	used to teat stomach ailments, gouts etc	rhizomes and leaves	treat digestive problems	NA	local farmers
Herb	Rohni	Allium sativium	perennial bulbous	temperate regions /homegardens	plenty	plenty	spice	cloves	used as a medicine to treat insect bites	NA	local farmers
Herb	Ajwain	Trachyspermu mammi	Forest	Temperate	Available	Available	Cooking	Seeds	treat digestive problems	NA	local farmers

Format 26: Timber Plants											
1	2	3	4	4 5		7	8				
Local Name	Scientific Name	Habitat	Local	Other uses, if any	Associated Tk	Any other detail	Community knowledge holder				
Deodar	Cedrus deodara	Terrestrial temperate	Forest, Temperate	Dense	NA	Commercial, own use	Forestry				
Fir	Abies pindrow	Terrestrial temperate	Forest, Temperate	Dense	NA	Commercial, own use	Forestry				
Kail	Pinus wallichiana	Terrestrial temperate	Forest, Temperate	Dense	NA	Commercial, own use	Forestry				
Walnut	Juglans regia	Terrestrial temperate	Forest, Temperate	Furniture, tooth cleaner	NA	Commercial, own use	local people				
Banj	Quercus incana	Terrestrial temperate	Forest, Temperate	Furniture, roofing	NA	Commercial, own use	local people				
Apricot	Prunusar meniaca	Terrestrial temperate	Forest, Temperate	Furniture, roofing	NA	Commercial, own use	local people				
Peach	Prunus persica	Terrestrial temperate	Forest, Temperate	Furniture, roofing	NA	Commercial, own use	local people				
Keth	Pyru spashia	Terrestrial temperate	Forest, Temperate	Furniture, roofing	NA	Commercial, own use	local people				
Rubinkul	Robinia sp	Terrestrial temperate	Forest, Temperate	Furniture, roofing	NA	Commercial, own use	local people				
Drek	Melia azedarach	Terrestrial temperate	Forest, Temperate	,firewood, furniture	NA	Commercial, own use	local people				
Moru oak	Quercus floribunda	Terrestrial temperate	Forest, Temperate	furniture, roofing ,ploughing equipment etc	NA	Commercial, own use	Forestry				
Kikar	Robinia pseudoacacia	Terrestrial temperate	Forest, Temperate	use for fodder ,firewood	NA	Commercial, own use	Forestry				
Chinar	Plantanus orientalis	Terrestrial temperate	Forest, Temperate	Furniture, roofing	NA	Commercial, own use	Forestry				
Shisham	Dalbergia sissoo	Terrestrial temperate	Forest, Temperate	Furniture, roofing	NA	Commercial, own use	Forestry				
Teak	Tectona granis	Terrestrial temperate	Forest, Temperate	furniture, roofing etc	NA	Commercial, own use	Forestry				
Tulkul	Morus nigra	Terrestrial temperate	Forest, Temperate	firewood, fodder for silkworm etc.	NA	Commercial, own use	local people				
Spruce	Picea smithiana	Tree	Forest, Temperate	Dense	Less dense	Commercial, own use	Forestry				
Chir	Pinus roxburghii	dense	Least dense	Roofing, furniture etc		Whole for different uses	Forestry				

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

ormat 27 B:	Coastal and N	Aarine 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
<i></i>				Past	Present	(if any)	(if any)			Holder

	Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others)											
1	2	3	4	5	6	6 7		8	9	10	11	12
Animal True	Local Name	Scientific	Habitat	Description	Season when	Local	status	uses if any	Ass. TK	Mode of	Other details	Community/
Animal Type	Local Name	Name	Haditat	Description	seen	Past	Present	uses ir any	ASS. IK	hunting	Other details	Knowledge Holder
Mammals	Chitra	Panthera pardus	Forest	Endangered	Winter season	Least	More	-	-	Weapon	endangered	_
Mammal	Bhalu	Ursus americanus	Forest	_	summer	Least	More	_	_	Weapon	-	_
Mammal	Fox	Vulpes vulpis	Forest	_	All season	More	More	-	_	Weapon	-	_
Mammal	Monkey	Macaque	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	Saanf	Ptyas mucosa	Forest	-	summer	More	More	-		Stick	_	_
Reptile	Saanf	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	Average	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	DhikCharak	Picus cholorolophus	Forest		All time	Available	Less	No	Prohibited	Maintains forest ecosystem	Self-observed
Bird	Kova	Corvus smacrorhyncho s	Forest		All time	Available	Less	No	Prohibited	Maintains forest ecosystem	Self-observed
Snake	Surf /samp	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	Self-observed
Insect	Tuller	Apis melifera	Temperate region	Dark brown colour body	Spring and summer	common	common	extraction of honey	NA	pollinating agent	Self-observed
Insect	Mohh	Aedes spp	Temperate region	white marking on their legs and body	summer	common	common	Na	NA	body parasite of human and animals	Self-observed
Insect	spider	Araneus mitificus	Temperate region	males are smaller and less colourful than females	all time	common	common	Na	NA	NA	Self-observed
Insect	Bomsin	Pheretima posthuma	Temperate region	individual are hermaphrodite with segmented bodies	during summers	common	common	Na	Na	known as farmers friends	Self-observed
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	Self-observed
Insect	Tcharr	Cimex lectularius	Temperate region	Adult cimex are light brown in colour ,flat oval	during summers	common	common	NA	na	nuisance pest	Self-observed
Amphibian	Meinn	Rana tigrina	semi acquatic	solitary and nocturnal in nature	during spring to autumn	average	Less	NA	NA		Self-observed

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	Format 29: Flora											
1	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						

End of Part II