Peoples' Biodiversi	ty Register (PBR): General Details
Name of the Panchayat Sa	mity: Bhudda Upper
Taluk:	
District: Kathua	
State: J&K (ut)	
Geographical Area of the I	Panchayat Samity:
Population under the Panci	nayat Samity: Total 1411 approx
Male :- 796	Female :- 615
Habitat and Topography:	
	ature and other weather patterns) Land Use (Nine fold classification available with and Year of PBR preparation: 31-08-2019
Management Regime: Res Community Owned and M	erve Forests (RF) / Joint Forest Management (JFM) / Protected Areas(PA) / anaged Forests (COM)

Annexure 1	
Details of Biodiversity Management Committee (BMC) of the panchayat (One elected Chairperson and s Community Owned and Managed Forests (COM) persons nominated by the local body; not less than on be women and not less than 18% belonging to SC/ST)	
1) Name of the Chairperson:Subash Chander (Gen)	
Age: 70	
Gender: Male	
Address: R/O- Bhaddu upper, w.no-2	
Area of specialization: Bussiness man	
2) Name: Guddo Devi (Gen)	
Age:49	
Gender: Female	
Address: R/o-Bhaddu upper,w.no-6	
Area of specialization:	
3) Name: Surjo Devi	
Age: 45	
Gender:Female	
Address:R/o- Bhaddu Upper, W.no7	
Area of specialization: Farmer	
4) Name: Sahid Ali (ST)	
Age:37	
Gender: Male	
Address:R/o-Bhaddu Upper, W.No-7	
Area of specialization: Farmer	
5) Name: Inder Raj (SC)	
Age 53	
Gender:Male	
Address:R/o- Bhaddu ,W.no-6	
Area of specialization:Farmer	

6) . Name :- Mohan Lal

Address: Bhaddu upper

Age: 70 (Gen)

Gender:Male

7) Name:-Gender: Address:R/o

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: local/non local
Perception of the practitioner on the resource status:less local resources availble
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:
Age:
Gender:
Address:
Area of specialization:Agriculture
2) Name :
Age:
Gender:
Address:
Area of specialization:
3) Name of the Chairperson:
Age:
Gender:
Address:
Area of specialization:
4) Name of the Chairperson:
Age:
Gender:
Address:
Area of specialization:

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

Part II PBR – Formats AGROBIODIVERSITY Format 1: Crop Plants

1	2	3	4	5	6		7	8	9	10	11	12		14
Crop	Scientific Name	Local Name	Variety	Landscape/ Habitat	Approx. area shown	Local	Local Status		Crop ping season	Uses	Associated TK	Other details	Source of Seeds/Pl ants	Community/ Knowledge Holder
						Past	Present							
	Oryza sativa	Dhan, Munji	PAC 807	Suitable for Sub Tropical areas . Matures approx. 95-100 days, 110- cm		Abundant	Abundant	Dwarf High Yielding variety	June -	Food Fodder		Suitable for Cultivation in Low land , Mid HillsAreas, Hot & Humid Climate	Agri. Deptt.	
Piece	Oryza sativa	Dhan, Munji	Jaya	Plant hight 140- 145 cm	100 Hea	Abundant	Abundant	Dwarf High Yielding variety	June -	Food Fodder			Agri. Deptt.	
Rice	Oryza sativa	Dhan, Munji	PHV 71	Plant Height 110-115 cm 115 -120 Days approx.	100 Нос	Abundant	Abundant	Dwarf High Yielding variety	June -	Food Fodder			Agri. Deptt.	

	Oryza sativa	Dhan, Munji	sarwati	160-165 cm 80- 90 Days		Abundant	Rare	Tall in height, sweet in taste, High starch Content	June -	Food Fodder	Mor e Nut ritiv e Val ue	Suitable of Plain & Mid Hills	Local	Pahari commu nity
Wheat	Triticum aestivum	Kanak	HD- 2967	150-155 cm	Total- 200	Abundant	Abundant	Dwarf High Yielding variety	Nov-	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
Wheat	Triticum aestivum	Kanak	Raj - 3077	135-140 cm	Нос	Abundant	Abundant	Dwarf High Yielding variety	Nov-	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
	Triticum aestivum	Kanak	Raj- 3765	125-130 cm		Abundant	Abundant	Dwarf High Yielding variety	Nov-	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
Maiza	Zea mays	Makk, kukri, challi, Buhtta, jobawr	Ganga Safed - 2 Pro agro 4794 (w)	White grain Hyb. Suitable for Sub- tropical. Mauturees in 95- 100 days	100 Цсс	Abundant	Abundant	Hight yeilding Varity	June-	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	

IVIAIZC			1		100 1100									
	Zea mays	Makk, kukri, challi, Buhtta, jabawr	Vijay Double Dekalb (Y)	Composite Maize Yellow grain variety High Yielding Vaiety suitable for Mid Hills		Abundant	Abundant	High yeilding Varity	June-	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
Til	Seasamu m indicum	til	Punjab til -1	White seed Variety . Matures in 80- 85 days . Plant hight 1.3-1.6 mtr.	1 Нос	Abundant	Abundant	High yeilding Varity	June-	Oil,		Suitable of Plain & Mid Hills	Agri. Deptt.	
Pulses (Mash)	Vigna mungo	Maa/ Mash	T-9 Ultra Pu-31	Matures in 85- 90 days. Suitable for plain & Mid hills	20 Hoc	Abundant	Abundant	High yeilding Varity	June-	Food	hig ht Prot ein cont ents	Suitable of Plain & Mid Hills	Agri. Deptt.	
Okra	Abelmosc hus esculentu s Moench	Bhindi	Pusa A-4, Versha Nemo	Dark green andfruit size 12- 15 cm long	1 Hoc	Abundant	Abundant	High yield Variety, tolerant to YVM and aphids, First picking starts in 45 days	Feb- Marc h June- July (rainy seaso n	Food		Suitable of Plain & Mid Hills	Agri. Deptt.	
Tomato	Solanum lycopersi cum	Tamatar,	Kashi (DVRT -2) Punjab Chhura , Sonali	Plant are Green, Fruit are red, spherical medium to large sized	0.5 Hoc	Abundant	Abundant	First harvest at 70-75 days after transplanting . Resistant to TLCV.	Trans planti ng Jan to Mid Feb	Food	Res ista nt to TL CV.	Suitable of Plain & Mid Hills	Agri. Deptt.	

Knol khol	Brassica oleracea	Kadam	Purple Vienna	Cool & moist climate	0.5 Hoc	Abundant	Abundant	Matures in 70- 75 days.Knobs are purplish & fleshy greenish white.	mainl y as a winte r crop.	As vegetable pickles.	Ric h in fibr e.	For early crop sandy or sandy loam soils & for late crop clay loam &silty soils are preffered.	Agri. Deptt.	
Mustard	Brassica juncea	Sarso				Abundant	Abundant						Agri. Deptt.	
Turmeri	Curcuma longa	Haldi				Abundant	Abundant						Agri. Deptt.	
Ginger	Zingiber officinale	Adrak				Abundant	Abundant						Agri. Deptt.	
Onion	Allium cepa	Gande				Abundant	Abundant						Agri. Deptt.	
Garlic	Allium sativum	Lehson				Abundant	Abundant						Agri. Deptt.	
Mushro om	Agaricus bisporus	Mashroom				Abundant	Abundant						Agri. Deptt.	
Kulth	Macrotyloma uniflorum	Kulth				Abundant	Abundant						Agri. Deptt.	
Black eye peas	Vigna unguiculata	Rongi				Abundant	Abundant						Agri. Deptt.	
Barley	Hordeum Vlgare.	Joo				Abundant	Abundant						Agri. Deptt.	
Peas	Pisum sativum	Matar				Rare							Agri. Deptt.	

Format 2: Fruit Plants

Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Loc	al Status	Source of Seeds/Plant s	Season of Fruiting	Associated TK	Uses	Other details market /	Community / Knowledge holder
	Tame			Habitat	Past	Present					own use	Knowledge nolder
			Desi									
	Mongifera		Malta									
Mango	Mongifera Indica	Aam	Choya									
			Malika									
			Na-7									
	PHyllenthus		barnari	Cultivayed			Govt./Pvt Source	Samina Cassian		As fresh Use	Own use	
Amla	ambica	Amla	NA-6	land			Govt./Pvt Source	Spring Session		As iresii Use	Own use	
			Na-10&									
			Local									
		Nimbus										
Citrus		Galgal										
Citius		Masami										
		orange										
Banana	Musa acuminata	Kela										
Guava	Psidium guajava	Amrood										
Fig	Ficus carica	Anjeer										

Trimbal									
Pear	Pyrus communis	Naakh							
Peach	Prunus persica	Aadu							
Papaya	Carica papaya	Papita							
Walnut	Juglans regia	Akhrot							

				Form	nat 3: Fodd	er Crops / Specie	es			
1	2	3	4		5	6	7	8	9	10
	Scientific	Local	Landscape /	Loca	al Status	Source of Plants /	Associated	Part		Community /
Plant	Name	Name	Habitat	Past	Present	Seeds	TK	Used	Other details	Knowledge holder
Sorghum	Sorghum bicolor	Jowar	Warm climate crop	Plenty	Plenty	Agri. Deptt.	It has resistance to desiccation and tolerate to water logging condition.	Part used whole plant	Soil with clay loam texture having good water retention capcity are best suitable for its cultivation	
Berssem Mascavi	Trifolium alexandrinum	Beerseen	winter forage.	Plenty	Plenty	Agri. Deptt.	It is reich in Calicum and phophorus	Part used whole plant. Repeated cuts can be taken.	Improves phyical condion of soil . It can be grown in all types of soil expect very light sandy soil	
Charri	Sorghum bicolor									
Parrali										
Dhaman	Grewia optiva									
Khajur	Phoenix dactylifera									
Siri	Albizia lebbeck									
Banj	Quercus									

Other details include fodder for which animal, special features, medicinal uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc.

					Format 4	: Weeds						
1	2	3	4	5	6		7	8	9	10	11	12
						Loca	Status					
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Past	Present	Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
Bathua	Chenopodium sp	Baathu	Wheat	Broad leaf and consumed the nutrients of the plants and reduces the production	Germination in the field after 20 days	Plenty	Plenty	Nil	1.Use of weedicide		Hady and wider adoptability, multiply very fast	
Sitti	Phalaris minor	Sitti, Gehoon ka mama, Gulli Danda	Wheat	Compete with nutritions, light and space with wheat crop and reduces the productionNarrow Leav Weed	Grows with Wheat crop	Plenty	Plenty	Nil	1. Use of Weedicides metribuzinie @200Gms/ha dissolved in 500- 600 l of water		Hady and wider adoptability, multiply very fast	
Laan												
Pudina	Mentha arvensis											

Other details may include how long the weeds have been suppressing/adversely affecting the crops in this locality, when it came under notice, intensity of natural multiplication etc

Format 5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
1		3	4	5	-	1	-	9	
Host	Insect / Animal	Scientific name	Local name	Habitat	Time / season of attack	Management mechanism	Associated TK	Other details	Community knowledge holder
Paddy	Grasshopper	Hieroglyphus niogrorepletum	Tidda , Raja da Gorha ,	Polyphagus	June to Novemeber	1.Destroy eggs by cleaning bunds 2. Spray the bunds with Malathion 5 % D @ 25 Kg / Ha	Both nymphs and Adults feed on the leaves , they devour the young shoots and newly farm ear heads.	Adults are like locust but smaller in size	
Paddy	Rice Hisppa	Dicladispa armigera	Neela tittu	Appeagrs in all varieties of rice	July -Sep	Clip the affected tips of leaves before transplanting	Quinalphos 25EC 1 litre per ha in 750 ltr of water	The grubs this pest mine into the leaves and adults are external fedders.	
Wheat	Field Rats	Bandicota sp. Tatera sp.	Chua, Kees,	Burrow in soil .Rats are found in nearly all areas of Earth which are inhabited by human beings.	through out the year	Poison baiting 2. bund trimming to minimize harborage 3. use indigenous traps		Domestic rats differ from wild rats in many ways. They are calmer and less likely to bite; they can tolerate greater crowding; they breed earlier and produce more offspring; and their brains, livers, kidneys, adrenal glands, and hearts are smaller	
	Termites	Microtermes obesi	seenak, seonk, white ant,	Generally appears at wet places, lives in nests made under ground	through out the year	1. Destroy termitaria in an around field 2. Never use raw FYM 3. For termites control in standing crop, dilute 4l of chlorpyriphos 20EC in 5l of water and mix in 50 kg of sand thoroughjly. Boradcast this treated soil in the infested areas.	These are Social insect that lives under gound in colonies.	The demage plant dry up completely and are easily pulled out	

Maize	Stem borer	Chilo partellus	Lurhi, kidda,	Occurs through out the country	July onward . 15- 20 days after Germination	apply granular insecticide carbofuran 3G @20 Kg / Ha 2. Uproot the stubbles of previous years crop and burn	It attacks immediately after germination and causes dead hearts in young plants .	The adult is medium sized straw coloured moth . The caterpiller is dirty white in color with short bristly hair on its body	
	Cut Worm	Agrotis ipsilon	Luhri	Occurs through out the country but especially Hilly areas	July onward .	1. Install light traps @2/Ha 2. Install Pheromones traps @40/Ha to attract to kill the male moths 3. Chlorpyriphos 30EC@3ml/of water	Larva cut the seedling at the ground level .	They live in soil during the day and feed at night . The caterpiller are in grey in colour	
cole crops	Cabbage butterfly	Pieris brassicae	Titali	The large white butterfly's habitat consists of large, open spaces, as well as farms and vegetable gardens, because of the availability of its food source.	Oct onwards	Release of Trichogramma chilionis @50000 adults/ha per release (6 times)at weekly interval in Mid January Donot spray the crop near harvesting			
Vegetable	Fruit fly	Bactrocera cucurbitae	Titali	Fruit flies are of concern both as nuisance pests and as serious contaminators of food.	After Summer Rains when Humidity is high.	1. Install methyl eugenol traps @ 5-100/Ha 2. Spray Malathion @ 1ml +10 Grms gur/ ltr of water at evening hours when fruits flies are congregated on the leave surface.	Female fruit flies lay their eggs on the surface of rotting fruits and vegetables. Each female may lay as many as 500 eggs. These eggs hatch into larvae which molt twice before becoming fully grown.	Adults may be dull yellowish, brownish yellow, or brownish black in color and range from 1/10 to 1/5 inch long. Most species have red eyes. Larvae are very small (ranging from 1/10 to 1/5 inch long), dirty white, and maggotshaped. They can be recognized by the stalked posterior spiracles on the last abdominal segment.	

Other details may include possible reasons for insects/animal attack

Format 6: Markets for Domesticated animals

1	2	3	4	5	6	7	8	9
Name of the market & location	Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]	Types of animals bought and sold [2]	Types and Average Number of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish
No Organized market in the area. 1) Ujj pull, Mandli 2) Challan ,Ramkote 3) Other Loacla areas of Blocks	Not Organized Culling	Sheep & Goats	02 Sheep	From areas of Mandis & other adjoining areas of Different Blocks	Local Markets of District & also Diff. areas of UT.			
			01 Goat					

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					
										827					

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc.

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

					F	ormat 8: I	andscape						
	1		2	3	4	5	6	7	8	9	10	11	12
Major l	Landscape	s		E. d.									
Agricultural land	Agricultural Pond Fallow land		Sub - Landscapes	Feature s and approx. area	Ownershi p	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
											_	_	

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

					Format	9: Water	scape					
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
PONDS												

Examples: Ponds, Streams, Rivers, Lake, Canal, Tubewell, Dug well etc.,

Format 10: Soil type

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable	Flora and fauna	Associated TK	Other information
Brown Forest Soil	Silt Loam to clay Texture	Fine Granular, Dub- Angular Blocky Structure having pH 7.8-8.3, Water Holding capacity more than 40%	Use of Organic matter	Maize, Wheat, Safflower			
Alluvial Soils	Loamy Soils	ph 7.0-7.7, Organic Carbon 0.28-0.61%	Use of Organic matter	Wheat, Paddy, Vegetables			

Format 11: Fruit Trees

1	2	3	4	6		7	8	9	10	11	12	13
					Loca	l Status					Other details	
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Past	Present	Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	market/own use	Community/ Know. holder
Mango	Mango	Mangifera indica	Malta Deshari Desi	Cultivated land			Govt Nry	Summer			Market	
Orange	Sangtra	Citrus × sinensis	2	Cultivated land			Govt. nry	Winter			Own use	
Kinoo	Kinoo	Citrus nobilis x Citrus deliciosa	2	Cultivated land			Govt. nry	Winter	As a fresh fruit		Own use	
Mussami	Mussami	Citrus limetta	1	Cultivated land			Govt. nry	Winter			Own use	
Guava	Amrood	Psidium guajava	Alabadi sfada	Cultivated land			Govt. nry	Summer			Own use	
Lemon	Nimbu	Citrus limon	Hybrid,Desi	Cultivated land								
Peach	Arru	Prunus persica	Shona Punjabi florida sun	Cultivated land			Govt. nry	Summer			Own use	
Pear	Nashpati	Pyrus communis	Desi,	Cultivated land			Pvt. Source	Summer			Own use	
Galgal	Galgal	Arintio	Desi	Cultivated land								
Jameri		Citrus limetta	Desi	Cultivated land								
Lucha		Prunus incisa	Desi	Cultivated land								

Format 12: Medicinal Plants (Herbs, Shrubs, Trees etc.)

1	2	3	4	5	6	7	7	8	9	10	11	12
					G .	Local	status				Other details	G 1. /W
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of plant/seeds	Past	Present	Uses (usage)	Part used	Associated TK	market/own use	Community/ Know. Holders
Herbs	Dudlu	Taraxacum officinale	Temperate area	Rare	Rare	nil	Leaves	N.A	N.A			Generally, held by community
Herbs	Brahmi Bhutti	Centella asiatica	Lower shiwalik	Rare	Rare	nil	Leaves	N.A	N.A			Generally, held by community
Herbs	Tarad	Dioscorea belophylla	Lower shiwalik	Abundant	Abundant	nil	Root	N.A	N.A			Generally, held by community
Herbs	Jungli putna	Mentha arvensis	Lowershiwalik/ Temperate area	Abundant	Abundant	nil	Leaves	N.A	N.A			Generally, held by community
Herbs	Banfsha	Viola odorata	Lowershiwalik/ Temperate area	Abundant	Abundant	nil	Flower	N.A	N.A			Generally, held by community
Shrubs	Trimuru	Zanthoxylum aurmatum	Lower shiwalik	Rare	Rare	nil	Fruit	N.A	N.A			Generally, held by community
Shrubs	Anardana	Punica granatum	Lower shiwalik	Rare	Abundant	nil	Fruit	N.A	N.A			Generally, held by community
Shrubs	brankad	Adha toda vesica	Lower shiwalik	Abundant	Abundant	nil		N.A	N.A			Generally, held by community
Shrubs	Drainkdu	Murraya koenigii	Sub-Tropical area	Rare	Rare	nil	Fruit	N.A	N.A			Generally, held by community
Shrubs	Dussa	Colebrookia oppositifolia	Lower shiwalik	Abundant	Abundant	nil	Flower	N.A	N.A			Generally, held by community

Shrubs	Thor/Shuu	Euphorbia royleana	Lower shiwalik	Abundant	Abundant	nil	Leaves	N.A	N.A	lly, held by nmunity
Shrubs	Bareyan	Acorus calamus	Lower shiwalik	Rare	Rare	nil	Leaves	N.A	N.A	lly, held by nmunity
Shrubs	Bhang	Canabis sativia	Lower shiwalik	Abundant	Abundant	nil		N.A	N.A	lly, held by nmunity
Tree	Amla	Phyllanthus emblica	Lower shiwalik	Abundant	Abundant	nil	Leaves/ Fruit	N.A	N.A	lly, held by nmunity
Tree	Bair	Ziziphus xylocarpa	Lower shiwalik	Rare	Rare	nil	Stem	N.A	N.A	lly, held by nmunity
Tree	Bheda	Terminalia bellerica	Lower shiwalik	Rare	Abundant	nil	Fruit	N.A	N.A	lly, held by nmunity
Tree	Bill-Patre	Angle mermelos	Sub-Tropical area	Abundant	Abundant	nil	Root	N.A	N.A	lly, held by nmunity
Tree	Drankh	Melia azedarach	Lower shiwalik	Abundant	Abundant	nil	Leaves	N.A	N.A	lly, held by nmunity
Tree	Harad	Terminalia chebula	Lower shiwalik	Abundant	Abundant	Good for digestion	Stem/Fruit	N.A	N.A	lly, held by nmunity
Tree	Jaman	Syzygium cumini	Lower shiwalik	Abundant	Abundant	maintains sugar level in human body	Leaves/ Fruit	N.A	N.A	lly, held by nmunity
Tree	Kakad- Singhi	Pistacia khinjuk	Lower shiwalik	Abundant	Abundant	nil	Leaves/ Fruit	N.A	N.A	lly, held by nmunity
Tree	Karal	Bauhinia variegata	Lower shiwalik	Rare	Rare	nil	Leaves/ Flower	N.A	N.A	lly, held by nmunity
Tree	Khair	Acacia catechu	Lower shiwalik	Abundant	Abundant	nil	Leaves/ Stem	N.A	N.A	lly, held by nmunity

Tree	Kringal	Casia fistula	Lower shiwalik	Rare	Rare	nil	Fruit	N.A	N.A		Generally, held by community
Tree	Lusada	Cordia dichotoma	Lower shiwalik	Rare	Rare	nil	Leaves/ Fruit	N.A	N.A		Generally, held by community
Tree	Mangoo	Mangifera Indica	Lower shiwalik	Abundant	Abundant	nil	Stem/Fruit	N.A	N.A		Generally, held by community
Tree	Retha	Sapindus Mukorossii	Lower shiwalik	Rare	Rare	nil	Fruit	N.A	N.A		Generally, held by community
Tree	Rumbal	Ficus racemosa	Lower shiwalik	Rare	Rare	nil	Leaves	N.A	N.A		Generally, held by community
Tree	Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	nil	Leaves/ Stem	N.A	N.A		Generally, held by community
Tree	Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	nil	Stem	N.A	N.A		Generally, held by community
Tree	Trimbal	Ficus auriculata	Lower shiwalik	Rare	Rare	nil	Leaves/ Fruit	N.A	N.A		Generally, held by community
Tree	Tuni	Toona ciliata	Lower shiwalik	Abundant	Abundant	nil	Stem	N.A	N.A		Generally, held by community
Tree	Arjun	Terminalia arjuna	Lower shiwalik	Rare	Rare			N.A	N.A		Generally, held by community
	Giloy	Tinospora cordifolia	Lower shiwalik	Abundant	Abundant			N.A	N.A		Generally, held by community
	Ratti	Abrus precatorius	Lower shiwalik	Rare	Rare			N.A	N.A		Generally, held by community
Tree	Neem	Azadirachta indica	Lower shiwalik	Abundant	Abundant			N.A	N.A		Generally, held by community

Herbs	Tulsi	Ocimum tenuiflorum	Lower shiwalik	Abundant	Abundant			N.A	N.A			Generally, held by community
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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
Tree	kringal	Casia fistula		Flower Fruit	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Gandera	Nerium oleander		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Thub	Erythrina indica		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Badah	Salix alba		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Kareer	Rosa acicularis		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community
	Malti	Combretum indicum							
	Gutti								
	Money Plant	Epipremnum aureum							
	Gulab	Rosa							

Format 14	: Timber Plant	s / Trees
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1	2	3	4	5		6	7	8	9	10
Plant				Loca	l status	Wild/ home-	Other		Other	Community/ Know.
Type	Local Name	Scientific Name	Habitat	Past	Present	garden	uses (multi)	Associated TK	details	holder
Trees	Bill-Patre	Angle mermelos	Lower shiwalik	Rare	Rare	Wild	own	posses medicinal properties	nil	Generally, held by community
Trees	Cambel	Lannea coromandelica	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Cheundi	Xylosma longifolium	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Dhaman	Grewia optiva	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Drankh	Melia azedarach	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Jaman	Syzygium cumini	Lower shiwalik	Abundant	Abundant	Wild	own	maintains sugar level in human body	nil	Generally, held by community
Trees	Kakad- Singhi	Pistacia khinjuk	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Khair	Acacia catechu	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Kiker	Acacia Nilotica	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Lusada	Cordia dichotoma	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Ola	Albizzia chinensis	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Prag	Alnus nitida	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Safeda	Eucalyptus spp.	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community

Trees	Simbal	Bombax ceiba	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Tooth	Morus alba	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Tuni	Toona ciliata	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Popular	Populus ciliata	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Arjun	Terminalia arjuna	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
	Radda		Lower shiwalik			Wild	own	nil	nil	Generally, held by community
	Lana		Lower shiwalik			Wild	own	nil	nil	Generally, held by community
	Chemod		Lower shiwalik			Wild	own	nil	nil	Generally, held by community
	Khadmanju		Lower shiwalik			Wild	own	nil	nil	Generally, held by community
	Banj	Quercus	Lower shiwalik			Wild	own	nil	nil	Generally, held by community
	Chir	Pinus roxburghii	Lower shiwalik			Wild	own	nil	nil	Generally, held by community

	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	Loc stat		Uses	Associated	Commercial rearing	Other details including products	Community Know.		
			hybrid)		keeping	Past	Present		TK		and services	Holders		
Small Ruminan ts	Sheep	Ovis aries	Local Cross Bred	Small Size Large Size, Fine Wool, White face & White legs						Yes	Mutton ,Wool,	Yes		
	Goat	Capra hircus	Bakrwali/ Kaghani	Large Size, White/grey/ Brown / Black coat, long hair						Yes	milk & Skin The department provides all necessary medial facilities scientific system of rearing	Yes		
			Beetal	Usually Black/red, Pendulous ears						Yes	system of fearing	Yes		
			Beetal Cross	Smalller in Size and Shorter ears						Yes		Yes		
Cow	Gaay`	Bos taurus	Hybrid	High Fertility High milk yield	Domesticated	Available	Available		•					
			Local	Low milk yield Adapted in Local Condition		Available In hilly belt	Available In hilly belt			milk & Cow Dung				
Buffalo	Bhains	Bubalus bubalis	Local Upgraded	Black in Colour Mod. To High milk High fat %age	Domesticated	Available	Available	le milk & Dung						

Ox	Bael	Bos taurus	Local Hybrid	Ploughing 7 carriage	Domesticated	Available	Available	Ploughi ng & carriage
Dog	Kutta	Canis lupus familiaris	Local Hybrid	Pet	Domesticated & Stray	Available	Available	Gaurdin g
Horse Mule Donkey	Ghoda Kachar Khota	Equine spp	Local Hybrid	Pet	Domesticated	Available	Available	Carriage & Cart pulling
Cat	Belli	Felis catus	Local	Pet	Domesticated & Free roaming	Less	less	
Poultry	Kukad Farmi	Gallus gallus domesticus	Local	Enriched meat flavour	Backyard	Abdundan t	Decreased	Egg & Meat
_	Kukad Broiler	Gallus gallus domesticus	Chabro Hybrid	Good egger White in Colour	Backyard Deep Litter	Very few	Increased	Egg & Meat
Wild Pig	Suar	Sus scrofa domesticus	Local	Enriched meat flavour	Domesticated	Very few	Very few	Meat purpose

	Format 16: Culture Fisheries													
1	2	3	4	5	6		7		9	10	11	12		
					Watanaan	Loc	cal status					Community		
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (pond/bheri/talao)	Past			Associated TK	Commercial rearing	Other details	Know. Holders		
	Chapad				5							Sarpanch		
	Kyar													
	Tiper													
	Dhola													
	Garage													

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

		Format 17: Mai	·kets / F	airs for Domesticate	ed Animals, Me	dicinal Plants and othe	r 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

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

1	2	3	4	5		6	7	8	9	10	11
					Loca	l status				O4b	Commenter Variables
Plant Type	Local Name	Scientific Name	Habit	Habitat	Past	Present	Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
Trees	Aaran	Prunus persica	Trees	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Trees	Amla	Phyllanthus emblica	Trees	Lower shiwalik	Rare	Rare	own	Fruit	posses medicinal properties	nil	Generally, held by community
Trees	Baadh	Ficus religiosa	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Bair	Ziziphus xylocarpa	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Bheda	Terminalia bellerica	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Bill-Patre	Angle mermelos	Trees	Lower shiwalik	Rare	Rare	own	Fruit	posses medicinal properties	nil	Generally, held by community
Trees	Cambel	Lannea coromandelica	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Charmood	Ehretia laevis	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Cheundi	Xylosma longifolium	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Chilla	Casearia tomentosa	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community

Trees	Dhaman	Grewia optiva	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem/Bark	nil	nil	Generally, held by community
Trees	Drankh	Melia azedarach	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Fakwara	Ficus palmata	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Galdey	Rhamnua triquetra	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Guvava	Psidium guajava	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	posses medicinal properties	nil	Generally, held by community
Trees	Harad	Terminalia chebula	Trees	Lower shiwalik	Abundant	Abundant	own	Stem/Fruit	Good for digestion	nil	Generally, held by community
Trees	Jaman	Syzygium cumini	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	maintains sugar level in human body	nil	Generally, held by community
Trees	Kainth	Pyrus paschia	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Kakad-Singhi	Pistacia khinjuk	Trees	Lower shiwalik	Abundant 3	Abundant 3	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Kakuya	Flacourtia indica	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Kamla	Malotus philippensis	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Karal	Bauhinia variegata	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Flower	nil	nil	Generally, held by community

Trees	Khair	Acacia catechu	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Khajur	Phoenix sylvestris	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Kiker	Acacia nilotica	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Kringal	Casia fistula	Trees	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Trees	Laana	Ficus hispidia	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Laseni	Leucaena leucocephala	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Lusada	Cordia dichotoma	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Mangoo	Mangifera Indica	Trees	Lower shiwalik	Abundant	Abundant	own	Stem/Fruit	nil	nil	Generally, held by community
Trees	Ola	Albizzia chinensis	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Pansra	Wendlandia heynei	Trees	Lower shiwalik	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Trees	Prag	Alnus nitida	Trees	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Retha	Sapindus mukorossii	Trees	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community

Trees	Rumbal	Ficus racemosa	Trees	Lower shiwalik	Rare	Rare	commercial	Leaves	nil	nil	Generally, held by community
Trees	Safeda	Eucalyptus spp.	Trees	Lower shiwalik	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Trees	Sree	Albizzia lebbeck	Trees	Lower shiwalik	Abundant	Abundant	commercial	Leaves/Stem	nil	nil	Generally, held by community
Trees	Simbal	Bombax ceiba	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Talli	Dalbergia sissoo	Trees	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Tooth	Morus alba	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Trimbal	Ficus auriculata	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Tuni	Toona ciliata	Trees	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Badoo	Ficous banglensis	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Popular	Populus ciliata	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Arjun	Terminalia arjuna	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Bark	nil	nil	Generally, held by community
Trees	Chuntar	Bischofia javanica	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community

Shurbs	Trimuru	Zantho xylum aurmatum	Shurbs	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	Kimb	Citrus Karna	Shurbs	Lower shiwalik	3 Rare	3 Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	Gandera	Thevetia peruviana	Shurbs	Lower shiwalik	Abundant	Abundant	own		nil	nil	Generally, held by community
Shurbs	Anardana	Punica granatum	Shurbs	Sub-Tropical area	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	brankad	Adha toda vesica	Shurbs	Lower shiwalik	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community
Shurbs	Drainkdu	Murraya koenigii	Shurbs	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Shurbs	Dussa	Colebrookia oppositifolia	Shurbs	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Shurbs	Akk	Ipomea fistulosa	Shurbs	Lower shiwalik	Abundant	Abundant	own		nil	nil	Generally, held by community
Shurbs	Garna	Carissa opaca	Shurbs	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Shurbs	Thor/Shuu	Euphorbia royleana	Shurbs	Lower shiwalik	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Shurbs	Aakhe	Rubus ellipticus	Shurbs	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	Bareyan	Acorus calamus	Shurbs	Sub-Tropical area	Abundant	Abundant	own	Root	nil	nil	Generally, held by community

Shurbs	Bhang	Canabis sativia	Shurbs	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Herbs	Dudlu	Taraxacum officinale	Herbs	Temperate area	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Herbs	Brahmi Bhutti	Centella asiatica	Herbs	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Herbs	Tarad	Dioscorea belophylla	Herbs	Lower shiwalik	Abundant	Abundant	own	Root	nil	nil	Generally, held by community
Herbs	Jungli putna	Mentha arvensis	Herbs	Lower shiwalik/Temperate area	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Herbs	Banfsha	Viola odorata	Herbs	Lower shiwalik/Temperate area	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community
Grass	Bamboo	Dendrocalamus Strictus	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Drub/Khabbal	Cyanodon dactylon	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Monja	Saccharum benghalense	Grass	Temperate area	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Grass	Kai/Kaana	Saccharum spontaneum	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Climbers	Mlungar	Bouhania Vahllaii	Climbers	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Climbers	Galoi	Tinospora cordifolia	Climbers	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community

Trees	Deodar	Cedrus deodara	Climbers	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Trees	Chinar	Platanus orientalis	Climbers	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Trees	Khajur	Phoenix dactylifera	Climbers	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community

		Format 19	: Wild Plant Species of Imp	oortance	
1	2	3	4	5	6
Sl. No.	plant	Local Name	Scientific Name	Importance (as economic, social, cultural etc.)	Status
1	Amla	Amla	Phyllanthus emblica	economic/cultural	Abundant
2	Bair	Bair	Ziziphus xylocarpa	economic/cultural	Rare
3	Bheda	Bheda	Terminalia bellerica	economic	Rare
4	Bill-Patre	Bill-Patre	Angle mermelos	Social/Culture	Rare
5	Drankh	Drankh	Melia azedarach	economic	Abundant
6	Harad	Harad	Terminalia chebula	economic/cultural	Abundant
7	Jaman	Jaman	Syzygium cumini	economic/cultural	Abundant
8	Kakad-Singhi	Kakad-Singhi	Pistacia khinjuk	economic	Abundant
9	Karal	Karal	Bauhinia variegata	economic	Abundant
10	Khair	Khair	Acacia catechu	economic	Abundant
11	Kringal	Kringal	Casia fistula	social	Abundant
12	Lusada	Lusada	Cordia dichotoma	economic	Rare
13	Mangoo	Mangoo	Mangifera indica	economic/cultural	Abundant
14	Retha	Retha	Sapindus mukorossii	economic	Rare
15	Rumbal	Rumbal	Ficus racemosa	economic	Rare
16	Sree	Sree	Albizzia lebbeck	economic	Abundant

17	Talli	Talli	Dalbergia sissoo	economic	Abundant
18	Trimbal	Trimbal	Ficus auriculata	economic	Abundant
19	Trimuru	Trimuru	Zantho xylum aurmatum	economic	Rare
20	Tuni	Tuni	Toona ciliata	economic	Rare
21	Arjun	Arjun	Terminalia arjuna	economic	Abundant
22	Anardana	Anardana	Punica granatum	economic	Abundant
23	brankad	brankad	Adha toda vesica	economic	Rare
24	Drainkdu	Drainkdu	Murraya koenigii	economic	Abundant
25	Dussa	Dussa	Colebrookia oppositifolia	economic	Abundant
26	Dudlu	Dudlu	Taraxacum officinale	economic	Abundant
27	Thor/Shuu	Thor/Shuu	Euphorbia royleana	economic	Rare
28	Bareyan	Bareyan	Acorus calamus	economic	Rare
29	Bhang	Bhang	Canabis sativia	economic	Abundant
30	Brahmi Bhutti	Brahmi Bhutti	Centella asiatica	Medicinal	Abundant
31	Tarad	Tarad	Dioscorea belophylla	economic	Abundant
32	Jungli putna	Jungli putna	Mentha arvensis	Medicinal	Abundant
33	Galoi	Galoi	Tinospora cordifolia	Medicinal	Abundant
34	Banfsha	Banfsha	Viola odorata	Medicinal	Abundant

	Format 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			
Local Name	Scientific Name	variety	reatures	Парна	Past	Present	Uses	Associated 1 K	Other details	Holder			
Daryayi Chaahl		Fish					Acution			Sarpanch			
Pathrili Chaahl		Fish											
Bootal		Fish											
Sol		Fish											
Garoj		Fish											
Tarakla		Fish											
	Other details may include mode of catching fish, time of availability, breeding time, etc												

	Format 21: Wild Aquatic Plant Species of Importance										
1	2	3	4	5	6						
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends						
	2	Hydrilla		Resistance to high salinity in water							
	Nappa	Nymphea									

	Format 22: Wild Plants of Medicinal Importance													
1	2	3	4	5		6	7	8	9	10	11			
Diamata (III and Charach	Tarak			I andrasa /	Local	l Status				Other				
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Past	Present	Associated TK	Uses (usage)	Part used	details market/ own use	Community/ Knowledge Holder			
Herbs	Dudlu	Taraxacum officinale	Herbs	Temperate area	Rare	Rare	own	nil		nil	Generally, held by community			
Herbs	Brahmi Bhutti	Centella asiatica	Herbs	Lower shiwalik	Rare	Rare	own	nil		nil	Generally, held by community			
Herbs	Tarad	Dioscorea belophylla	Herbs	Lower shiwalik	Abundant	Abundant	own	nil		nil	Generally, held by community			
Herbs	Jungli putna	Mentha arvensis	Herbs	Lower shiwalik/ Temperate area	Abundant	Abundant	own	nil		nil	Generally, held by community			
Herbs	Banfsha	Viola odorata	Herbs	Lower shiwalik/ Temperate area	Abundant	Abundant	own	nil		nil	Generally, held by community			
Shrubs	Trimuru	Zantho xylum aurmatum	Shrubs	Lower shiwalik	Rare	Rare	own	nil		nil	Generally, held by community			
Shrubs	Anardana	Punica granatum	Shrubs	Lower shiwalik	Rare	Rare	own	nil		nil	Generally, held by community			
Shrubs	brankad	Adha toda vesica	Shrubs	Lower shiwalik	Abundant	Abundant	own	nil		nil	Generally, held by community			
Shrubs	Drainkdu	Murraya koenigii	Shrubs	Sub-Tropical area	Rare	Rare	own	nil		nil	Generally, held by community			
Shrubs	Dussa	Colebrookia oppositifolia	Shrubs	Lower shiwalik	Abundant	Abundant	own	nil		nil	Generally, held by community			
Shrubs	Thor/Shuu	Euphorbia royleana	Shrubs	Lower shiwalik	Abundant	Abundant	own	nil		nil	Generally, held by community			
Shrubs	Bareyan	Acorus calamus	Shrubs	Lower shiwalik	Rare	Rare	own	nil		nil	Generally, held by community			
Shrubs	Bhang	Canabis sativia	Shrubs	Lower shiwalik	Abundant	Abundant	own	nil		nil	Generally, held by community			
Tree	Amla	Phyllanthus emblica	Tree	Lower shiwalik	Abundant	Abundant	own	nil		nil	Generally, held by community			

Tree	Bair	Ziziphus xylocarpa	Tree	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tree	Bheda	Terminalia bellerica	Tree	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tree	Bill-Patre	Angle mermelos	Tree	Sub-Tropical area	Abundant	Abundant	own	nil	nil	Generally, held by community
Tree	Drankh	Melia azedarach	Tree	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Tree	Harad	Terminalia chebula	Tree	Lower shiwalik	Abundant	Abundant	own	Good for digestion	nil	Generally, held by community
Tree	Jaman	Syzygium cumini	Tree	Lower shiwalik	Abundant	Abundant	own	maintains sugar level in human body	nil	Generally, held by community
Tree	Kakad- Singhi	Pistacia khinjuk	Tree	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Tree	Karal	Bauhinia variegata	Tree	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tree	Khair	Acacia catechu	Tree	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Tree	Kringal	Casia fistula	Tree	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tree	Lusada	Cordia dichotoma	Tree	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tree	Mangoo	Mangifera indica	Tree	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Tree	Retha	Sapindus mukorossii	Tree	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tree	Rumbal	Ficus racemosa	Tree	Lower shiwalik	Rare	Rare	commercial	nil	nil	Generally, held by community
Tree	Sree	Albizzia lebbeck	Tree	Lower shiwalik	Abundant	Abundant	commercial	nil	nil	Generally, held by community
Tree	Talli	Dalbergia sissoo	Tree	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Tree	Trimbal	Ficus auriculata	Tree	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tree	Tuni	Toona ciliata	Tree	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Tree	Arjun	Terminalia arjuna	Tree	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community

Format 23: Wild relatives of Crops

1	2	3	4	5		5		5		5		6	7	8	9	10
Local	Scientific	Associated area	Landsono / Habitat	Local	Status	Uses	Part	Associated	Other details	Community / Know holder						
Name	Name	Associated crop	Landscape / Habitat	Past	Present	(usage)	Used	TK	Other details							
Jungli pudina	Mentha arvensis	Putna	Along the Nalla's	Abundant		Medicinal use	Leaf			Generally, held by community						
Krala	Momordica charantia			Rare												

Note: Other details may include 'function as a substitute plant' in the absence of a particular plant

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
Kareer	Rosa acicularis		Lower to upper shiwalik	Non-Commercial	N.A	N.A	
kringal	Casia fistula		Lower shiwalik	Non-Commercial	N.A	N.A	
Gandera	Nerium oleander		Lower Shiwalik	Non-Commercial	N.A	N.A	
Thub	Erythrina indica		Lower Shiwalik and Plains	Non-Commercial	N.A	N.A	
Badah	Salix alba		Lower Shiwalik and Plains	Non-Commercial	N.A	N.A	
Silver Oak	Grevillea robusta		Lower Shiwalik and Plains	Non-Commercial	N.A	N.A	

Format 25: Fumigate / Chewing Plants

1	2	3	4	5		6	7	8	9	10	11
Plant (Herb,	Local	Scientific			Loc	al Status	Uses		Associated	Other details	Community knowledge
Shrub, Tree)	Name	Name	Variety	Habitat	Past	Present	(usage)	Part used	TK	(mode of use)	holder
Shrub	Trimuru	Zanthoxylum aurmatum									Generally, held by community
	brankad	Adha toda vesica									Generally, held by community
	Drainkdu	Murraya koenigii									Generally, held by community
	Bana	Vitex negundo		Locally present	Rare	Rare	use for teeth Cleaning	Branches			Generally, held by community
Tree	Flai	Acacia modesta		Forest	Rare	Rare	Medicinal purpose	Branches			
	Kiker	Acacia nilotica		Forest	Rare	Rare	use for teeth Cleaning	Branches			
Shrub	Tulsi	Ocimum tenuiflorum									
Tree	Akhrot	Juglans regia									

				Format 2	6: Timber	Plants		
1	2	3		4	5	6	7	8
			Local	Status	Other Uses,			
Local Name		Scientific Name	Past	Present	if any	Associated TK	Other Details	Community/ Knowledge Holder
Cambel	Lannea coromandelica	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Cheundi	Xylosma longifolium	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Dhaman	Grewia optiva	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Drankh	Melia azedarach	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Kakad- Singhi	Pistacia khinjuk	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Karal	Bauhinia variegata	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Khair	Acacia catechu	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Kiker	Acacia Nilotica	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Ola	Albizzia chinensis	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Retha	Sapindus mukorossii	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Safeda	Eucalyptus spp.	Lower shiwalik	Rare	Rare	commercial	nil	nil	Generally, held by community
Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Simbal	Bombax ceiba	Lower shiwalik	Abundant	Abundant	commercial	nil	nil	Generally, held by community

Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Tooth	Morus alba	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Trimbal	Ficus auriculata	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tuni	Toona ciliata	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Arjun	Terminalia arjuna	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Chuntar	Bischofia javanica	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Chir	Pinus roxburghii	Lower shiwalik				nil	nil	Generally, held by community

1	2	3	4		5	6	7	8	9	10
				Loc	al Status	Pouts Collected	Commercial Uses			Community/
Plant Type	Local Name	Scientific Name	Habitat	Past	Present	Parts Collected (if any)	(if any)	Other Uses	Associated TK	Knowledge Holder

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

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

1	2	3	4	5	6		7	8	9	10	11	12
						Loca	al Status					
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Past	Present	Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
Mammals	Chitra	Panthera pardus	Forest	-	Summer Season							Generally, held by community
Mammals	Jungali Billi	Felis chaus	Forest	-	-							Generally, held by community
Mammals	Jackal	Canis aureus	Forest	-	-							Generally, held by community
Mammals	Indian Fox	Vulpes bengalensis	Forest	-	-							Generally, held by community
Mammals	Five Stripped Palm Squirrel	Funambulus penanti	Forest	-	-							Generally, held by community
Mammals	Field Mouse	Mus boodnga	Forest	-	-							Generally, held by community
Mammals	Indian Porcupine (sahi)	Hustrix indica	Forest	-	-							Generally, held by community
Mammals	Barking Deer (Kakkarh)	Muntiacus mountjak	Forest	-	-							Generally, held by community
Mammals	Musk Deer (Kastura)	Moscus moschiferus	Forest	-	-							Generally, held by community
Mammals	Hog Deer (Para)	Axis pornicus	Forest	-	-							Generally, held by community
Mammals	Indian Wild Boar (Jungali Sour)	Sus scrofa	Forest	-	-							Generally, held by community

Mammals	Red Fox (Lomari)	Vulpes vulpes	Forest	-	-				Generally, held by community
Birds	Red Jungle Fowl	Gallus gallus	Forest	-	-				Generally, held by community
Birds	Common Pea Fowl	Pavo cristatus	Forest	-	-				Generally, held by community
Birds	Black Partridge	Francolinus francolinus	Forest	-	-				Generally, held by community
Birds	Common or Grey Quail	Conturnix conturnix	Forest	-	-				Generally, held by community
Birds	Blue-Rock Pigeon	Columba Lioia	Forest	-	-				Generally, held by community
Birds	Spotted Dove	Stretopelia chinesis	Forest	-	-				Generally, held by community
Birds	White Backed Bengal Vultures	Psuedogypes bengalensis	Forest	5	-				Generally, held by community
Birds	Jungle Crow	Corvous marcorhynchos	Forest	-	-				Generally, held by community
Birds	House Crow	Corvous splendens	Forest	-	-				Generally, held by community
Birds	Rollel or Blue Jay	Coracras bengalensis	Forest	-	-				Generally, held by community
Birds	Koel	Eudynamys scolopacea	Forest	-	-				Generally, held by community
Birds	Common Hawk Cuckoo	Cuculus varius	Forest	-	-				Generally, held by community
Birds	Himalayan Tree Pie	Dendrocitta formosea	Forest	-	-				Generally, held by community

Birds	Indian Myna	Acridotheres tristis	Forest	-	-				Generally, held by community
Birds	Black Headed Myna	Sturnus pagodarus	Forest	-	-				Generally, held by community
Birds	Wood Pecker	Dryobates himalayansis	Forest	-	-				Generally, held by community
Birds	Peacock	Pavo cristatus	Forest						
Mammals	Wild pig	Sus scrofa	Forest						
Mammals	Nilgai	Boselaphus tragocamelus	Forest						
Mammals	Sambar	Rusa unicolor	Forest						
Birds	Toota (Mansari)	Psittacula crameri	Forest	-	-				Generally, held by community
Birds	Cheel	Milousmegrans	Forest	-	-				Generally, held by community
Birds	Moor	Pavo cristatus	Forest	-	-				Generally, held by community
Birds	Tailor Bird	Orthotomous sustorius	Forest	-	-				Generally, held by community
Birds	Indian Robin	Saxicolaides fulicata	Forest	-	-				Generally, held by community
Birds	Paradise Fly Catcher	Terpsiphon paradisi	Forest	-	-				Generally, held by community
Birds	White Spotted Fantail Fly Catcher	Rhepidura albicollis	Forest	-	-				Generally, held by community

Birds	Whitte Breasted king Fisher	Halcyon amyrnensis	Forest	-	-				Generally, held by community
Birds	House Sparrow	Passer domesticus	Forest	-	-				Generally, held by community
Birds	The Hoopoe	Upupa epops	Forest	-	-				Generally, held by community
Birds	Himalayan Barred Owlet	Glaucidium culculoides	Forest	-	-				Generally, held by community
Birds	White Checked Bulbul	Pycnonotus leucogenys	Forest	-	-				Generally, held by community
Birds	Goldern oriola	Oriolus oriolus	Forest	-	-				Generally, held by community
Reptiles	Cobra/Naag	Naja naja	Forest/Cultivated Areas/Along Water Bodies	-	Summer Season				Generally, held by community
Reptiles	Krait/Sanjuth	Zamenies mucosus	Forest/Cultivated Areas/Along Water Bodies	-	Summer Season				Generally, held by community
Reptiles	Python/Sangni	Python morulus	Forest/Cultivated Areas/Along Water Bodies	5	Summer Season				Generally, held by community
Reptiles	Himalayan Pit Viper	Viper rusellii	Forest/Cultivated Areas/Along Water Bodies	-	Summer Season				Generally, held by community
Amphibian	Mendak/meenk	Rana tigrina		Pond/Land	Rainy Season				Generally, held by community
Amphibian	Toad/Dadu	Buff melanostictus		Pond/Land	Rainy Season				Generally, held by community

Format 29: FLORA URBAN BIODIVERSITY

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 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.)				

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

	Format 31: Any other information of local importance									
1	2	3								
Sr. No.	Information of local importance	Remarks								
	none									