

<b>Peoples' Biodiversity Register (PBR): General Details</b>	
Name of the Panchayat Samity: Pallan	
Taluk:	
District: Kathua	
State: J&K (ut)	
Geographical Area of the Panchayat Samity:436 hectares	
Population under the Panchayat Samity: Total 6000	
Male :-3065	Female :- 2935
Habitat and Topography:	
Climate (Rainfall, Temperature and other weather patterns) Land Use (Nine fold classification available with village records) Date, Month and Year of PBR preparation:30-11-2019	
Management Regime: Reserve Forests (RF) / Joint Forest Management (JFM) / Protected Areas(PA) / Community Owned and Managed Forests (COM)	

## Annexure 1

**Details of Biodiversity Management Committee (BMC) of the panchayat (One elected Chairperson and six (PA) / Community Owned and Managed Forests (COM) 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: Janak Raj Mobile No-9797627630

Age: 65

Gender: Male Address: R/O- Pallan, w.no-2

Area of specialization: Bussiness man

2) Name: Sh. Krishan Dutt Mobile No: 9858627482

Age:62

Gender: Male Address: R/o-Pallan,w.no-3

Area of specialization:

3. Name: Manju Devi

Age: 30 Gender:Female

Address:R/o- Pallan, W.no.3

Area of specialization: Former

4. Name: Shadi lal (SC)

Age:40 Gender: Male Address:R/o-Pallan, W.No-3

Area of specialization: Farmer

5. Name: Kishore Kumar Mobile No: 9797587072

Age 40

Gender:Male

Address:R/o- Pallan ,W.no-3

Area of specialization:Farmer

6) . Name :- Guddi Devi Age : - 58

Gender: Female

Address:R/o- Pallan ,W.No.3 Area of specialization : Housewife

7) Name:-Pradeep Singh S/o Amar singh Age:42

Gender: Male Mobile No: 9596659440

Address:R/o-Pallan , W.No- 5 Area of specialization: Farmer

**Annexure-2**

**List of Vaid, 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 available

Medicinal Use:

### Annexure 3

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

1) Name : Krishan Dutt

Age:62

Gender:Male

Address:Pallan, Billawar

Area of specialization:Agriculture

2) Name :Kishore Kumar

Age:40

Gender:Male

Address:Pallan, Billawar

Area of specialization:Agriculture

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**

1) 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**



**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 Status		Special features	Crop ping season	Uses	Associated TK	Other details	Source of Seeds/PI ants	Commu nity/ Knowled ge Holder
						Past	Present							
Rice	<i>Oryza sativa</i>	Dhan, Munji	PAC 807	Suitable for Sub Tropical areas . Matures approx. 95-100 days, 110- cm	100 Hoc	Abundant	Abundant	Dwarf High Yielding variety	June -	Food Fodder		Suitable for Cultivation in Low land , Mid HillsAreas, Hot & Humid Climate	Agri. Deptt.	
	<i>Oryza sativa</i>	Dhan, Munji	Jaya	Plant hight 140-145 cm		Abundant	Abundant	Dwarf High Yielding variety	June -	Food Fodder			Agri. Deptt.	
	<i>Oryza sativa</i>	Dhan, Munji	PHV 71	Plant Height 110-115 cm 115-120 Days approx.		Abundant	Abundant	Dwarf High Yielding variety	June -	Food Fodder			Agri. Deptt.	
	<i>Oryza sativa</i>	Dhan, Munji	sarwati	160-165 cm 80-90 Days		Abundant	Rare	Tall in height , sweet in taste , High starch Content	June -	Food Fodder	More Nutritive Value	Suitable of Plain & Mid Hills	Local	Pahari commu nity
	<i>Triticum aestivum</i>	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	<i>Triticum aestivum</i>	Kanak	Raj - 3077	135-140 cm	Hoc	Abundant	Abundant	Dwarf High Yielding variety	Nov-	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
	<i>Triticum aestivum</i>	Kanak	Raj- 3765	125-130 cm		Abundant	Abundant	Dwarf High Yielding variety	Nov-	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
Maize	<i>Zea mays</i>	Makk, kukri, challi, Buhтта, jobawr	Ganga Safed - 2 Pro agro 4794 (w)	White grain Hyb. Suitable for Sub-tropical. Matures in 95-100 days	100 Hoc	Abundant	Abundant	High yielding Variety	June-	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
	<i>Zea mays</i>	Makk, kukri, Buhтта, jabawr	Vijay Double Dekalb (Y)	Composite Maize Yellow grain variety High Yielding Variety suitable for Mid Hills		Abundant	Abundant	High yielding Variety	June-	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
Til	<i>Seasamu m indicum</i>	til	Punjab til -1	White seed Variety . Matures in 80- 85 days . Plant hight 1.3-1.6 mtr.	1 Hoc	Abundant	Abundant	High yielding Variety	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 yielding Variety	June-	Food	high Prot ein contents	Suitable of Plain & Mid Hills	Agri. Deptt.	



Okra	<i>Abelmosc esculentu s Moench</i>	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 season)	Food		Suitable of Plain & Mid Hills	Agri. Deptt.	
Tomato	<i>Solanum lycopersi cum</i>	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	<i>Brassica oleracea</i>	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.	
Cauli flower	<i>Brassica oleracea var. botrytis</i>	Ghobi				Rare	Rare			Food			Agri. Deptt.	
Garlic	<i>Allium sativum</i>	Lahasun				Rare	Rare			Food			Agri. Deptt.	
Onion	<i>Allium cepa</i>	Pyaz				Rare	Rare			Food			Agri. Deptt.	
Potato	<i>Solanum tuberosum</i>	Aloo				Rare	Rare			Food			Agri. Deptt.	
Pumpkin	<i>Cucurbita</i>	Kadoo				Rare	Rare			Food			Agri. Deptt.	
Turmeric	<i>Curcuma longa</i>	Haldi				Rare	Rare			Food			Agri. Deptt.	
Ginger	<i>Zingiber officinale</i>	Adarak				Rare	Rare			Food			Agri. Deptt.	

**Format 2: Fruit Plants**

Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plant s	Season of Fruiting		Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present							
Mango	<i>Mangifera Indica</i>	Aam	Desi	Cultivayed land			Govt./Pvt Source	Spring Session			As fresh Use	Own use	
			Malta										
			Choya										
			Malika										
Amla	<i>PHyllenthus ambica</i>	Amla	Na-7										
			barnari										
			NA-6										
			Na-10&										
			Local										
Citrus	<i>Citrus limon</i>	Nimbus											
	<i>Citrus pseudolimon</i>	Galgal											
	<i>Citrus limetta</i>	Masami											
	<i>Citrus × sinensis</i>	Orange											
Ber	<i>Ziziphus mauritiana</i>	Ber				Pvt. Source							
Guava	<i>Psidium guajava</i>	Amrood				Pvt. Source							
Wild Khajur	<i>Phoenix sylvestris</i>	Khajur				Pvt. Source							

Banana	<i>Musa acuminata</i>	Kela					Pvt. Source						
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### Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
				Past	Present					
Sorghum	<i>Sorghum bicolor</i>	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 capacity are best suitable for its cultivation	
Berssem Mascavi	<i>Trifolium alexandrinum</i>	Beerseen	winter forage.	Plenty	Plenty	Agri. Deptt.	It is reich in Calicum and phophorus	Part used whole plant. Repeated cuts can be taken .	Improves physical condion of soil . It can be grown in all types of soil expect very light sandy soil	
Dhaman	<i>Grewia optiva</i>	Dhaman	Sub-Tropical	Plenty	Plenty	Seed				
Siris	<i>Albizia lebberk</i>	Sarii	Sub-Tropical	Plenty	Plenty	Seed				

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
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status		Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
						Past	Present					
Bathua	<i>Chenopodium sp</i>	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	<i>Phalaris minor</i>	Sitti, Gehoon ka mama, Gulli Danda	Wheat	Compete with nutritions, light and space with wheat crop and reduces the production Narrow 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	
Dhoob	<i>Cynodon dactylon</i>	Dhoob	Maize	Weed emerg with the germination with Maize seed and grow along with plants till the early growth period and cause sever crop weed compitation.	Grows with Maize crop	Plenty	Plenty		1). 2-3 Weeding followed by earthingup. 2). pre emergence appliation Atrazine @ 1-1.25 Kg / per ha of 50% WP		Losses caused by Weeds are more during early stage than in later stages.	

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
Host	Insect / Animal	Scientific name	Local name	Habitat	Time / season of attack	Management mechanism	Associated TK	Other details	Community knowledge holder
Paddy	Grasshopper	<i>Hieroglyphus niogrorepletum</i>	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	<i>Dicladispa armigera</i>	Neela tittu	Appeaqrns in all varieties of rice	July -Sep	1. 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 feeders.	
Wheat	Field Rats	<i>Bandicota sp. Tatera sp.</i>	Chua, Kees,	Burrow in soil .Rats are found in nearly all areas of Earth which are inhabited by human beings.	through out the year	1. Poison baiting 2. bund trimming to minimize harborage 3. use indigenous traps	Thjey cause have loss to standing wheat crop and harvested crop in stores.	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	<i>Microtermes obesi</i>	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 thoroughly . Boradcast this treated soil in the infested areas.	These are Social insect that lives under gound in colonies.	The damage plant dry up completely and are easily pulled out	

Maize	Stem borer	<i>Chilo partellus</i>	Lurhi, kidda,	Occurs through out the country	July onward . 15-20 days after Germination	1. 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 caterpillar is dirty white in color with short bristly hair on its body	
	Cut Worm	<i>Agrotis ipsilon</i>	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 caterpillar are in grey in colour	
cole crops	Cabbage butterfly	<i>Pieris brassicae</i>	Titli	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	1. Release of Trichogramma chilonis @50000 adults/ha per release (6 times )at weekly interval in Mid January 2. Donot spray the crop near harvesting			
Vegetable	Fruit fly	<i>Bactrocera cucurbitae</i>	Titli	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 maggot-shaped. 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 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
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
Mango	Mango	<i>Magnifera Indica</i>	Malta Deshari Desi	Cultivated land			Govt Nry	Summer			Market	
Orange	Sangtra	<i>Citrus × sinensis</i>	2	Cultivated land	Rare	Rare	Govt. nry	Winter			Own use	
Kinoo	Kinoo	<i>Citrus nobilis x Citrus deliciosa</i>	2	Cultivated land			Govt. nry	Winter	As a fresh fruit		Own use	
Mussami	Mussami	<i>Citrus limetta</i>	1	Cultivated land	Rare	Rare	Govt. nry	Winter			Own use	
Guava	Amrood	<i>Gujva Pritum</i>	Alabadi sfada	Cultivated land			Govt. nry	Summer			Own use	
Nimbu	Nimbu	<i>Folia</i>	Hybrid,Desi	Cultivated land								
Peach	Arru	<i>Prunes persiac</i>	Shona Punjabi florida sun	Cultivated land			Govt. nry	Summer			Own use	
Pear	Nashpati	<i>Pyrus communis</i>	Desi,	Cultivated land	Rare	Rare	Pvt. Source	Summer			Own use	
Galgal	Galgal	<i>Citrus pseudolimon</i>	Desi	Cultivated land								
Plum	Aloo Bukhara	<i>Prunus domestica</i>	Desi	Cultivated land	Rare	Rare	Pvt. Source	Summer			Own use	
Amla	Amla	<i>Phyllanthus emblica</i>	Desi	Cultivated land	Plenty	Abundant	Pvt. Source	Winter			Own use	
Banana	Kela	<i>Musa</i>		Cultivated land	Rare	Rare	Pvt. Source	Summer			Own use	

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

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

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

Tree	Kringal	<i>Casia fistula</i>	Lower shiwalik	Rare	Rare	nil	Fruit	N.A	N.A			Generally, held by community
Tree	Lusada	<i>Cordia dichotoma</i>	Lower shiwalik	Rare	Rare	nil	Leaves/ Fruit	N.A	N.A			Generally, held by community
Tree	Mangoo	<i>Mangifera Indica</i>	Lower shiwalik	Abundant	Abundant	nil	Stem/Fruit	N.A	N.A			Generally, held by community
Tree	Retha	<i>Sapindus Mukorossii</i>	Lower shiwalik	Rare	Rare	nil	Fruit	N.A	N.A			Generally, held by community
Tree	Rumbal	<i>Ficus racemosa</i>	Lower shiwalik	Rare	Rare	nil	Leaves	N.A	N.A			Generally, held by community
Tree	Sree	<i>Albizzia lebbek</i>	Lower shiwalik	Abundant	Abundant	nil	Leaves/ Stem	N.A	N.A			Generally, held by community
Tree	Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	nil	Stem	N.A	N.A			Generally, held by community
Tree	Trimbal	<i>Ficus auriculata</i>	Lower shiwalik	Rare	Rare	nil	Leaves/ Fruit	N.A	N.A			Generally, held by community
Tree	Tuni	<i>Toona ciliata</i>	Lower shiwalik	Abundant	Abundant	nil	Stem	N.A	N.A			Generally, held by community
Tree	Arjun	<i>Terminalia arjuna</i>	Lower shiwalik	Rare								



**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	<i>Casia fistula</i>		Flower Fruit	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Gandera	<i>Nerium oleander</i>		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Thub	<i>Erythrina indica</i>		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Badah	<i>Salix alba</i>		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Kareer	<i>Rosa acicularis</i>		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Plant	Rose	<i>Rosa</i>		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Bougainvillea	<i>Bougainvillea</i>		Grafting	Non- Commercial	N.A	N.A	N.A	Generally, held by community
Plant	Rat Ki Rani	<i>Cestrum Nocturnum</i>		Seed	Non- Commercial	N.A	N.A	N.A	Generally, held by community

**Format 14: Timber Plants / Trees**

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ home-garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
				Past	Present					
Trees	Cambel	<i>Lannea coromandelica</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Cheundi	<i>Xylosma longifolium</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Dhaman	<i>Grewia optiva</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Drankh	<i>Melia azedarach</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Jaman	<i>Syzygium cumini</i>	Lower shiwalik	Abundant	Abundant	Wild	own	maintains sugar level in human body	nil	Generally, held by community
Trees	Khair	<i>Acacia catechu</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Kiker	<i>Acacia Nilotica</i>	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Mangoo	<i>Mangifera indica</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Ola	<i>Albizzia chinensis</i>	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Sree	<i>Albizzia lebbeck</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Simbal	<i>Bombax ceiba</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Tooth	<i>Morus alba</i>	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Tuni	<i>Toona ciliata</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Arjun	<i>Terminalia arjuna</i>	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community

Trees	Chuntar	<i>Bischofia javanica</i>	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
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**Format 15: Domesticated Animals**

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Breed (local/hybrid)	Features	Method of keeping	Local status		Uses	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Small Ruminants	Sheep	<i>Ovis aries</i>	Local Cross Bred	Small Size Large Size, Fine Wool, White face & White legs						Yes	Mutton ,Wool, milk & Skin The department provides all necessary medial facilities scientific system of rearing	Yes
	Goat	<i>Capra hircus</i>	Bakrwali/ Kaghani	Large Size, White/grey/ Brown / Black coat, long hair						Yes		Yes
			Beetal	Usually Black/red, Pendulous ears						Yes		Yes
			Beetal Cross	Smaller in Size and Shorter ears						Yes		Yes
Cow	Gaay`	<i>Bos Spp</i>	Hybrid	High Fertility High milk yield	Domesticated	Available	Available	milk & Cow Dung				
			Local	Low milk yield Adapted in Local Condition		Available In hilly belt	Available In hilly belt					
Buffalo	Bhains	<i>Bubalur Spp</i>	Local Upgraded	Black in Colour Mod. To High milk High fat %age	Domesticated	Available	Available	milk & Dung				

Ox	Bael	<i>Bas spp</i>	Local Hybrid	Ploughing 7 carriage	Domesticated	Available	Available	Ploughing & carriage
Dog	Kutta	<i>Canine spp</i>	Local Hybrid	Pet	Domesticated & Stray	Available	Available	Gaurding
Horse Mule Donkey	Ghoda Kachar Khota	<i>Equine spp</i>	Local Hybrid	Pet	Domesticated	Available	Available	Carriage & Cart pulling
Cat	Belli	<i>Felis spp</i>	Local	Pet	Domesticated & Free roaming	Less	less	----
Poultry	Kukad Farni	<i>Galur spp</i>	Local	Enriched meat flavour	Backyard	Abundant	Decreased	Egg & Meat
	Kukad Broiler	<i>Gallus gallus domesticus</i>	Chabro Hybrid	Good egger White in Colour	Backyard Deep Litter	Very few	Increased	Egg & Meat
Pig	Suar wild	<i>Sus scrofa domesticus</i>	Local	Enriched meat flavour	Domesticated	Very few	Very few	Meat purpose





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

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



Trees	Drankh	<i>Melia azedarach</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Fakwara	<i>Ficus palmata</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Galdey	<i>Rhamnua triquetra</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Guvava	<i>Psidium guajava</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	posses medicinal properties	nil	Generally, held by community
Trees	Harad	<i>Terminalia chebula</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Stem/Fruit	Good for digestion	nil	Generally, held by community
Trees	Jaman	<i>Syzygium cumini</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	maintains sugar level in human body	nil	Generally, held by community
Trees	Kainth	<i>Pyrus paschia</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Kakad-Singhi	<i>Pistacia khinjuk</i>	Trees	Lower shiwalik	Abundant 3	Abundant 3	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Kakuya	<i>Flacourtia indica</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Kamla	<i>Malotus philippensis</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Karal	<i>Bauhinia variegata</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Flower	nil	nil	Generally, held by community
Trees	Khair	<i>Acacia catechu</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Khajur	<i>Phoenix sylvestris</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Kiker	<i>Acacia nilotica</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Kringal	<i>Casia fistula</i>	Trees	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community

Trees	Laana	<i>Ficus hispida</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Laseni	<i>Leucaena leucocephala</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Lusada	<i>Cordia dichotoma</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Mangoo	<i>Mangifera Indica</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Stem/Fruit	nil	nil	Generally, held by community
Trees	Ola	<i>Albizzia chinensis</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Pansra	<i>Wendlandia heynei</i>	Trees	Lower shiwalik	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Trees	Prag	<i>Alnus nitida</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Retha	<i>Sapindus mukorossii</i>	Trees	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Trees	Rumbal	<i>Ficus racemosa</i>	Trees	Lower shiwalik	Rare	Rare	commercial	Leaves	nil	nil	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Trees	Lower shiwalik	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Trees	Sree	<i>Albizzia lebbeck</i>	Trees	Lower shiwalik	Abundant	Abundant	commercial	Leaves/Stem	nil	nil	Generally, held by community
Trees	Simbal	<i>Bombax ceiba</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Talli	<i>Dalbergia sissoo</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Tooth	<i>Morus alba</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Trimbal	<i>Ficus auriculata</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community

Trees	Tuni	<i>Toona ciliata</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Badoo	<i>Ficus banglensis</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Arjun	<i>Terminalia arjuna</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Bark	nil	nil	Generally, held by community
Trees	Chuntar	<i>Bischofia javanica</i>	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Shurbs	Trimuru	<i>Zantho xylum aurmatum</i>	Shurbs	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	Kimb	<i>Citrus karna</i>	Shurbs	Lower shiwalik	3 Rare	3 Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	Gandera	<i>Thevetia peruviana</i>	Shurbs	Lower shiwalik	Abundant	Abundant	own		nil	nil	Generally, held by community
Shurbs	Anardana	<i>Punica granatum</i>	Shurbs	Sub-Tropical area	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	brankad	<i>Adha toda vesica</i>	Shurbs	Lower shiwalik	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community
Shurbs	Drainkdu	<i>Murraya koenigii</i>	Shurbs	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Shurbs	Dussa	<i>Colebrookia oppositifolia</i>	Shurbs	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Shurbs	Akk	<i>Ipomea fistulosa</i>	Shurbs	Lower shiwalik	Abundant	Abundant	own		nil	nil	Generally, held by community
Shurbs	Garna	<i>Carissa opaca</i>	Shurbs	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Shurbs	Thor/Shuu	<i>Euphorbia royleana</i>	Shurbs	Lower shiwalik	Rare	Rare	own	Stem	nil	nil	Generally, held by community

Shurbs	Aakhe	<i>Rubus ellipticus</i>	Shurbs	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	Bareyan	<i>Acorus calamus</i>	Shurbs	Sub-Tropical area	Abundant	Abundant	own	Root	nil	nil	Generally, held by community
Shurbs	Bhang	<i>Canabis sativia</i>	Shurbs	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Herbs	Dudlu	<i>Taraxacum officinale</i>	Herbs	Temperate area	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Herbs	Brahmi Bhutti	<i>Centella asiatica</i>	Herbs	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Herbs	Tarad	<i>Dioscorea belophylla</i>	Herbs	Lower shiwalik	Abundant	Abundant	own	Root	nil	nil	Generally, held by community
Herbs	Jungli putna	<i>Mentha arvensis</i>	Herbs	Lower shiwalik/Temperate area	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Herbs	Banfsha	<i>Viola odorata</i>	Herbs	Lower shiwalik/Temperate area	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community
Grass	Bamboo	<i>Dendrocalamus strictus</i>	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Drub/ Khabbal	<i>Cyanodon dactylon</i>	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Monja	<i>Saccharum benghalense</i>	Grass	Temperate area	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Grass	Kai/Kaana	<i>Saccharum spontaneum</i>	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Climbers	Mlungar	<i>Bouhania vahllaii</i>	Climbers	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Climbers	Galoi	<i>Tinospora cordifolia</i>	Climbers	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community

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

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

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

**Format 20: Aquatic Biodiversity**

1	2	3	4	5	6		7	8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local Status		Uses	Associated TK	Other details	Community/ Knowledge Holder
					Past	Present				
Daryayi Chaahl		Fish								
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**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Sl. No.</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Variety</b>	<b>Importance</b>	<b>Trends</b>
1	Lotus	<i>Nelumbo nucifera</i>		Edible Vegetable	
2	Waterhymes	<i>Hydrilla verticillata</i>		Resistance to high salinity in water	
3	Water lily	<i>Nymphea</i>			



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

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

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

Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Lower shiwalik	Rare	Rare	own	nil		nil	Generally, held by community
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**Format 23: Wild relatives of Crops**

1	2	3	4	5		6	7	8	9	10
Local Name	Scientific Name	Associated crop	Landscape / Habitat	Local Status		Uses (usage)	Part Used	Associated TK	Other details	Community / Know holder
				Past	Present					
Flai	<i>Acacia modesta</i>	Kikker	Scattered in forest	Rare		Fodder	leaf/branches			Generally, held by community
Jungli putna	<i>Mentha arvensis</i>	Putna	Along the Nalla's	Abundant		Medicinal use	Leaf			Generally, held by community

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	<i>Rosa acicularis</i>		Lower to upper shiwalik	Non-Commercial	N.A	N.A	
kringal	<i>Casia fistula</i>		Lower shiwalik	Non-Commercial	N.A	N.A	
Gandera	<i>Nerium oleander</i>		Lower Shiwalik	Non-Commercial	N.A	N.A	
Thub	<i>Erythrina indica</i>		Lower Shiwalik and Plains	Non-Commercial	N.A	N.A	
Badah	<i>Salix alba</i>		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, Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
Shrub	Trimuru	<i>Zanthoxylum aurmatum</i>									Generally, held by community
	brankad	<i>Adha toda vesica</i>									Generally, held by community
	Drinkdu	<i>Murraya koenigii</i>									Generally, held by community
	Bana	<i>Vitex negundo</i>		Locally present	Rare	Rare	use for teeth Cleaning	Branches			Generally, held by community
Tree	Flai	<i>Acacia modesta</i>		Forest	Rare	Rare	Medicinal purpose	Branches			
	Kiker	<i>Acacia nilotica</i>		Forest	Rare	Rare	use for teeth Cleaning	Branches			
Tree	<i>Amrood</i>	<i>Psidium guajava</i>	Local	Sub-Tropical	Rare	Rare	Oral Health care	Branches	Unknown	Fruit	
Tree	<i>Shisham</i>	<i>Dalbergia sissoo</i>	Local	Sub-Tropical	Abundant	Abundant	Oral care	Branches	Unknown	Furniture wood	

### Format 26: Timber Plants

1	2	3	4		5	6	7	8
Local Name		Scientific Name	Local Status		Other Uses, if any	Associated TK	Other Details	Community/ Knowledge Holder
			Past	Present				
Cambel	<i>Lannea coromandelica</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Cheundi	<i>Xylosma longifolium</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Dhaman	<i>Grewia optiva</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Drankh	<i>Melia azedarach</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Jaman	<i>Syzygium cumini</i>	Lower shiwalik	Abundant	Abundant	own	maintains sugar level in human body	nil	Generally, held by community
Kamla	<i>Malotus philippensis</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Karal	<i>Bauhinia variegata</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Khair	<i>Acacia catechu</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Kiker	<i>Acacia nilotica</i>	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Ola	<i>Albizzia chinensis</i>	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Prag	<i>Alnus nitida</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Retha	<i>Sapindus mukorossii</i>	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Safeda	<i>Eucalyptus spp.</i>	Lower shiwalik	Rare	Rare	commercial	nil	nil	Generally, held by community

Sree	<i>Albizzia lebbeck</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Simbal	<i>Bombax ceiba</i>	Lower shiwalik	Abundant	Abundant	commercial	nil	nil	Generally, held by community
Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Tooth	<i>Morus alba</i>	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Trimbal	<i>Ficus auriculata</i>	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tuni	<i>Toona ciliata</i>	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Arjun	<i>Terminalia arjuna</i>	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Chuntar	<i>Bischofia javanica</i>	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community







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

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

Mammals	Indian Wild Boar (Jungali Sour)	<i>Sus scrofa</i>	Forest	-	-							Generally, held by community
Mammals	Phesus Macaque	<i>Macaac mulatta</i>	Forest	-	-							Generally, held by community
Mammals	Red Fox (Lomari)	<i>Vulpes vulpes</i>	Forest	-	-							Generally, held by community
Birds	Red Jungle Fowl	<i>Gallus gallus</i>	Forest	-	-							Generally, held by community
Birds	Common Pea Fowl	<i>Pavo cristatus</i>	Forest	-	-							Generally, held by community
Birds	Black Partridge	<i>Francolinus franco-linus</i>	Forest	-	-							Generally, held by community
Birds	Common or Grey Quail	<i>Conturnix conturnix</i>	Forest	-	-							Generally, held by community
Birds	Blue-Rock Pigeon	<i>Columba Lioia</i>	Forest	-	-							Generally, held by community
Birds	Spotted Dove	<i>Streptopelia chinesis</i>	Forest	-	-							Generally, held by community
Birds	White Backed Bengal Vultures	<i>Psuedogypes bengalensis</i>	Forest	- 5	-							Generally, held by community
Birds	Jungle Crow	<i>Corvous marcorhynchos</i>	Forest	-	-							Generally, held by community
Birds	House Crow	<i>Corvous splendens</i>	Forest	-	-							Generally, held by community
Birds	Rollel or Blue Jay	<i>Coracras bengalensis</i>	Forest	-	-							Generally, held by community
Birds	Koel	<i>Eudynamys scolopacea</i>	Forest	-	-							Generally, held by community

Birds	Common Hawk Cuckoo	<i>Cuculus varius</i>	Forest	-	-							Generally, held by community
Birds	Himalayan Tree Pie	<i>Dendrocitta formosea</i>	Forest	-	-							Generally, held by community
Birds	Yellow Billed Blue Mapie	<i>Urocissa erythrorhyncha</i>	Forest	-	-							Generally, held by community
Birds	Indian Myna	<i>Acridotheres tristis</i>	Forest	-	-							Generally, held by community
Birds	Blue Whistling Thrush		Forest	-	-							Generally, held by community
Birds	Black Headed Myna	<i>Sturnus pagodarus</i>	Forest	-	-							Generally, held by community
Birds	Wood Pecker	<i>Dryobates himalayansis</i>	Forest	-	-							Generally, held by community
Birds	Toota (Mansari)	<i>Psittacula crameri</i>	Forest	-	-							Generally, held by community
Birds	Cheel	<i>Milousmegrans</i>	Forest	-	-							Generally, held by community
Birds	Moor	<i>Pavo cristatus</i>	Forest	-	-							Generally, held by community
Birds	Tailor Bird	<i>Orthotomous sutorius</i>	Forest	-	-							Generally, held by community
Birds	Indian Robin	<i>Saxicoloides fulicata</i>	Forest	-	-							Generally, held by community
Birds	Paradise Fly Catcher	<i>Terpsiphon paradisi</i>	Forest	-	-							Generally, held by community
Birds	White Spotted Fantail Fly Catcher	<i>Rhepidura albicollis</i>	Forest	-	-							Generally, held by community

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







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

*End of Part II*

### Annexure 3

#### List of *Vaids*, *hakims* and traditional health care (human and livestock) practitioners residing and or using

Name:Dharanpaul Age:70 Gender:Male Address:Kishnapur

Area of Specialization:

Location from which the person accesses biological material: Perception of the practitioner on the resource status: Medicinal use: K

Name: Bishan Dass Age:75 Gender:Male Address:Kishanpur

Area of Specialization:

Location from which the person accesses biological material: Perception of the practitioner on the resource status:

Medicinal use:Kishanpur

Name:

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**ing biological resources occurring within the jurisdiction of the village**

ishanpur

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