

## People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti :-Siot lower
Taluk / Block:-Siot
District:Rajouri
State:Jammu And Kashmir
Geographical Area of the Panchayat Samiti: 3 sq km (approx.)
Population under the Panchayat Samiti: Total 2030
Male: 970                      Female: 1060
Habitat and Topography:Hilly
Climate (Rainfall, Temperature and weather patterns): Subtropical Temperature with Moderate Rainfall
Land Use (Nine fold classification available with village records)
Date, Month and Year of PBR Preparation 2020-21 (Updation Date: 11-09-2022)
Management Regime: Reserve Forest (RF)/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

## Annexure 1

<b>Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by the local body ; not less than one third to be women and not less than 18% belonging to SC/ST)</b>
1)Name of the Chairperson: Dr. Ram Chander Sharma
Age:65 Yrs
Gender:- Male
Address:- R/O Siot
Area of specialization:-
2) Name: Yashpal Singh
Age:- 40 Yrs
Gender:- Male
Address:- Siot Lower
Area of specialization:-
3)Name:- Moti Ram
Age:- 57yrs
Gender:- male
Address:- Siot Lower
Area of specialization:
3)Name:- Abdul majid
Age:- 45y
Gender:- male
Address:- Siot Lower
Area of specialization:
5)Name: Anita Sharma
Age:55
Gender:Female
Address : Siot Lower
Area of specialization:
6)Name:Pathani Bibi
Age:43y
Gender:Female
Address:Siot Lower
Area of specialization:
7)Name:Ex Sub Romesh Chander
Age:65y
Gender:Male
Address: Siot Lower
Area of specialization:

## Annexure-2

<b>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</b>
1) Name :
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
2) Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
3) Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:

### Annexure 3

<b>List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and forestry</b>
1) Name: Updesh Kumar
Age: 60 Yrs
Gender: Male
Address: Siot Lower
Area of specialization: Agriculture
2) Name : Romesh Chander S/o Gyan Chand
Age: 59
Gender: Male
Address: Near Boys High School Siot
Area of specialization: Agriculture
3) Name Satpaul S/o Kundan Lal
Age: 57
Gender: Male
Address: Siot
Area of specialization: Agriculture
4) Name : Sita Ram Khajuria S/o Jagannath
Age: 63 Yrs
Gender: Male
Address: Siot Lower Near Boys High School
Area of specialization: Agriculture

## Annexure 4

<b>Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR</b>	
1) Contact Person:- Sanjeev Kumar	
Name and Address: Siot Lower	
2) Contact Person: 8825091750	
Name and Address:R/O Siot	
3) Contact Person: Panch Contact No. 9622709151	
Name and Address: Surjeet Kumar	
4) Contact Person: Contact no. 7889818387	
Name and Address: Ashok Kumar R/o Siot Lower	
<b>You may add names of more institutions/NGO/Individuals etc, if necessary</b>	

### Annexure 5

<b>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</b>					
<b>S.no</b>	<b>Name and address of the Person/Institute/company others</b>	<b>Local and Scientific Name of the biological material Accessed and quantity</b>	<b>Date and resolution of the BMC and endorsement by the Panchayat</b>	<b>Detail of collection fee imposed</b>	<b>Anticipated mode of sharing benefits or quantum of benefits shared</b>

**Format 1: Crop Plants**

1	2	3	4	5	6	7		8	9	10	11	12	13	14
Crop	Scientific Name	Local Name	Variety	Landscape / Habitat	Approx. area shown	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Black gram	<i>Vigna mungo</i>	Mahh Dal	Mash 114	High and Plains	5.1	Plenty	Normal	Kharif sowing Dwarf & Short duration	July	Food	Protein	Protein and Phosphoric acid	Farmers/ Department/Private Suppliers	Farmers
Wheat	<i>Triticum aestivum</i>	Kanak	HD3171/ HD 1605	Low land valleys	345	Plenty	Plenty	Tall variety High yielded	October November	Food and Fodder	Provides more energy		Farmers/ Department/Private Suppliers	Farmers
Sesame	<i>Sesamum indicum</i>	Tilli	Local	Lowland Valleys subtropical/ dry & cool weather		Normal	Decreased	oilseed crop	Kharif	seeds are edible & seed oil is used for massage	sesame seeds mixed with heated jaggery is made into balls & eaten as snacks	sesame oil has antibacterial, anti-inflammatory & antioxidant properties	Farmers/ Department/Private suppliers	Farmers
Maize	<i>Zea mays</i>	Maki	Double Dacklab Kanchan	Low land valleys	314.5	Plenty	Plenty	Tall variety High yielded	Kharif	Food and Fodder	Provides more energy	Raw Corn on the cob is roasted & then consumed (Bhutta)	Farmers/ Department/Private suppliers	Farmers
Mustard	<i>Brassica juncea</i>	Sarya/Sarso	Local	Low land valleys Subtropical/ Dry & Cool Weather	156	Normal	Normal	oil seed crop	Rabi	leaves used as vegetable, oil cake is used for feeding cattle	Mustard seeds & its oil is used for culinary purpose		Farmers/ Department/Private suppliers	Farmers
Pumpkin	<i>Cucurbita moschata</i>	Petha/Kandoli	Prevalent Hybrid Varieties	Low land valleys/Subtropical	3	Plenty	Plenty	pumpkin is round with smooth, slightly ribbed skin; thick shell contains seed & pulp	Kharif/ Summer	Pumpkin is used for making Ambal (very popular recipe of JK)	Pumpkin seeds are dried, fried & then eaten	pumpkin is highly nutritious particularly rich in Vitamin A	Farmers/ Department/Private suppliers	Farmers
Bottle Gourd	<i>Lagearia siceraria</i>	Ghiya	Prevalent Hybrid Varieties	Low land valleys	1	Normal	Normal	vines vigorous profusely branched	Summer/ Kharif	used as vegetable	contains essential vitamins & Minerals		Farmers/ Department/Private suppliers	Farmers

Onion	<i>Allium cepa</i>	Ganday/Pyaz	Prevalent Hybrid Varieties	Low land valleys	5	Plenty	Plenty	herbaceous biennial plant grown for its edible bulb	Summer/ Kharif	used as vegetable	Eaten Raw and used to make Chutneys	They are pungent when chopped & Contain certain chemical substances which may irritate the Eyes	Farmers/ Department/ Private suppliers	Farmers
Okra	<i>Abelmoschus esculentus</i>	Bhindi	Prevalent Hybrid Varieties	Low land valleys	2.6	Normal	Normal	tender green fruit used as vegetable	Summer/ Kharif	used as vegetable	contains dietary fibers,proteins,carbohydrates		Farmers/ Department/ Private suppliers	Farmers
Garlic	<i>Allium sativum</i>	Lehsun	Prevalent Hybrid Varieties	Low land valleys/Cool &Moist Climate	5	Rare	Abundant	Bulb	Rabi	Used as Vegetable and spice	Rich source of Vitamin C,B6,Mn		Farmers / Department/ Private Suppliers	Farmers
Bitter Gourd	<i>Momordica charantia</i>	Karela	Prevalent Hybrid Varieties	Low land valleys/Warm &Humid Climate	2.5	Normal	Normal	Herbaceous climbing annual with ridged stems	Kharif/ Summer	used as vegetable		Used for maintaining low Sugar Level	Farmers/ Department/ Private suppliers	Farmers
Potato	<i>Solanum tuberosum</i>	Aloo	Prevalent Hybrid Varieties	Plains/require cool weather		Normal	Normal	tubers are round to ovoid	Rabi	food	provides high carbohydrates		Farmers/ Department/ Private suppliers	Farmers
Beans	<i>Phaseolus vulgaris</i>	Phaliya	Prevalent Hybrid Varieties	Plains/cool weather		Rare	Rare	Tender green pods are used as vegetable	Summer Season	used as vegetable	High value protein,vitamins &Mn		Farmers/ Department/ Private suppliers	Farmers
Spinach	<i>Spinacia oleracea</i>	Palak	Prevalent Hybrid Varieties	Plains/cool season crop		Normal	Normal	tender green leaves used as vegetable	Rabi	used as vegetable	Vitamin A&C, fiber,folic acid &other nutrients		Farmers/ Department/ Private suppliers	Farmers
Horse gram legume	<i>Macrotyloma uniflorum</i>	Kulth	Local	Low land valleys/subtropical/dry & cool weather		Normal	Decreased	legumecrop;climbing plant with a rhizome	Kharif	Horse gram seeds used for pulses	Kulth Dal eaten in winter season mostly,effective in relieving cough&cold	Seeds contain carbohydrates,protein ,dietary fiber,calcium,phosphorus	Farmers/ Department/ Private suppliers	Farmers



Tomato	<i>Solanum lycopersicum</i>	Tamater	Prevalent Hybrid Varieties	Plains/ Subtropical/ Warm season crop		Normal	Normal	They are vines that have weak stem that sprawls & typically needs support	Kharif/ Summer	the tomato is a vegetable for culinary purposes		tomato fruit is used in diverse ways like in salads, soups	Farmers/ Department/ Private suppliers	Farmers
Pigeon pea	<i>Cajanus cajan</i>	Taangr	Local	Low land valleys/ Subtropical/ Cool & Dry		Normal	Rare	enriches soil through symbiotic nitrogen fixation	Kharif	pulses crop; rich source of protein		legume crop	Farmers/ Department/ Private suppliers	Farmers
Cucumber	<i>Cucumis sativus</i>	Kheera	Prevalent hybrid varieties	grows in all climatic conditions		Normal	Normal	climbing vine bearing elongated thick cylindrical fruit	Kharif/ Summer	Mainly used as Salad		It is used as antipyretic & cause Cooling effect	Farmers/ Department/ Private suppliers	Farmers
Bitter Gourd	<i>Momordica charantia</i>	Karela	Prevalent Hybrid Varieties	Plains/ Warm & humid climate		Normal	Normal	Herbaceous climbing annual with ridged stems	Kharif/ Summer	used as vegetable		Used for maintaining low Sugar Level	Farmers/ Department/ Private suppliers	Farmers
Peas	<i>Pisum sativum</i>	Matar	Prevalent Hybrid Varieties	Plains/ Cool & Dry		Normal	Normal	Early maturing & high yielding	Rabi	used as vegetable		Source of protein/ Energy	Farmers/ Department/ Private suppliers	Farmers
Garlic	<i>Allium sativum</i>	Thoom	prevalent hybrid varieties	Plains/ cool & moist		Rare	Abundant	Bulb	Rabi	Used as Vegetable and spice		Rich source of Vitamin C, B6, Mn	Farmers / Department/ Private Suppliers	Farmers
Coriander	<i>Coriandrum sativum</i>	daniya	prevalent hybrid varieties	Plains/ Cool & moist		Rare	Abundant	leaves are eatables	Rabi	leaves are used as vegetable and seeds as spice		Rich source of vitamin A, C dietary fibre, iron, Mn etc	Farmers / Department/ Private Suppliers	Farmers
Taro	<i>Colocasia spp.</i>	Kachalu	prevalent hybrid varieties	Plains/ Warm & moist		Rare	Rare	Taro root is edible	Summer/ Kharif	Used as Vegetable for their Corms. Corms are used in Kachalu Chat Recipe		Taro root is rich source of dietary fibre & Carbohydrates	Farmers / Department/ Private Suppliers	Farmers

Turmeric	<i>Curcuma longa</i>	Aldi	Local Variety	Plains/ Cool&Moist		Rare	Rare	Perennial rhizomatous herbaceous plant	Kharif	Rhizomes are boiled in water,dried,then grounded into deep orange-yellow powder		Yellow powder used as coloring &Flavoring agent in many Asian cuisines	Farmers / Department/ Private Suppliers	Farmers
Ginger	<i>Zingiber officinale</i>	Adrk	Local Variety	Plains/Warm &dry		Rare	Rare	Herbaceous perennial which grows annual pseudostems	Summer/ Kharif	Ginger rhizomes are often pickled or cooked as an ingredient in many dishes	Used as an ingredient in traditional indian drink "Chai"	Ginger is a fragrant kitchen Spice	Farmers / Department/ Private Suppliers	Farmers
Brinjal	<i>Solanum melongena</i>	Pathe/Baingan	Prevalent hybrid varieties	Plains/Warm/ Humid of Sub tropical region		Rare	Rare	Delicate,tropical perennial plant	Rabi	Used in Baingan bharta Recipe	Fruit is cooked as a vegetable	Fruits contain soft edible seeds	Farmers / Department/ Private Suppliers	Farmers
Chilli	<i>Capsicum annuum</i>	Mirchi	Prevalent hybrid varieties	Plains/Warm and Humid of Subtropical Region		Normal	Normal	Fruits are peppers that may be green, Yellow, Orange or red when ripe	Summer/ Kharif	green chilli is used as salad	When Chillies become red,they are dried powdered &then used as a spice	Capsaicin Chemical creates a burning sensation which can last for several hours after ingestion	Farmers / Department/ Private Suppliers	Farmers
Ash Gourd	<i>Benincasa hispida</i>	Tuda Pitha	Local	Low land valleys/Warm and humid climate		Rare	Rare	Cucurbitaceous,annual Vine trailing on Ground	Kharif	Ash gourd juice is good for constipation problems	Petha Barfi a traditional indian sweet made from Gourd	Cool down the system;detoxify the body	Farmers / Department/ Private Suppliers	Farmers
Cowpea	<i>Vigna unguiculata</i>	Rongi	Local	Low land valleys/Warm and humid climate		Normal	Normal	Annual herbaceous legume	Kharif	Food	Green pods,immature seeds & Dry Seeds are cooked	Known for its high protein content	Farmers / Department/ Private Suppliers	Farmers

The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 'other details' vary with the nature of crops. For measuring local status, there need to identify a particular year – significant changes in ecology occurred – and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation

practices, propagation techniques, usage etc can be included in the column 8, in associated TK.



### 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					
Oats	<i>Avena spp.</i>	Javi	Cool & moist climate	Normal	Normal	Farmers/ Department/Private Suppliers	Nutritious & palatable fodder,	Above ground part of plant	Fodder	Farmers
Sorghum	<i>Sorghum spp.</i>	cherri	Warm & humid	Abundant	Abundant	Farmers/ Department/Private Suppliers	Source of energy	Above ground part of plant	Fodder	Farmers
Maize	<i>Zea mays</i>	Charra	Warm & humid	Abundant	Normal	Farmers/ Department/Private Suppliers	Source of energy	Above ground part of plant	fodder	Farmers
Bajra	<i>Pennisetum americanum</i>	Bajra	Warm & humid	Abundant	Normal	Farmers/ Department/Private Suppliers	Source of energy	Above ground part of plant	Food & fodder	Farmers

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					
Carrot Grass	<i>Parthenium hysterophorus</i>	Congress Grass	All crops	Reduces yield	Plain and hilly/ Subtropical /Farm fields	NA	Plenty		Uprooting	Nil	Exotic	Farmers
Wild Kulthi	<i>Atylosia scarabaeoides</i>	Wild Kulthi	All crops	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Fairly available	Plenty	Pulses	Uprooting	Nil	Indigenous	Farmers
Himalayan mimosa	<i>Mimosa rubicaulis</i>	Raal	All crops	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Plenty	Plenty		Uprooting	Nil	Indigenous	Farmers
Common Vetch	<i>Vicia sativa</i>	Jowal	All crops	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Plenty	Plenty		Uprooting	Nil	Indigenous	Farmers
Wild indigo	<i>Tephrosia purpurea</i>	Sirponkhi	All crops	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Plenty	Plenty	Vegetable	Uprooting	Nil	Indigenous	Farmers
Caragana	<i>Caragana gerardiana</i>	Pattaki	All crops	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Plenty	Plenty		Uprooting	Nil	Indigenous	Farmers
True Indigo	<i>Indigofera tinctoria</i>	Kathi	All crops	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Plenty	Plenty	Natural dye	Uprooting	Nil	Indigenous	Farmers
Hemp	<i>Cannabis sativa</i>	Bang	Kharif Crops	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Normal	Normal		Mechanical, Chemical	leaf juice induces sleep	Exotic	Farmers

Chick weed	<i>Ageratum conyzoides</i>	Nilibuti	Rabi Crops	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Normal	Normal		Mechanical, Chemical	Nil	Exotic	Farmers
Dub Grass	<i>Cynodon dactylon</i>	Dub grass	Rabi/ Kharif	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Abundant	Abundant	Fodder	Mechanical, Chemical	Nil	Exotic	Farmers
Pig Weed	<i>Amaranthus viridis</i>	Jangli Choulai/Chal eri	Maize	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein & amino acid	Exotic	Farmers
Lamb's quarters	<i>Chenopodium album</i>	Bathua/ Kanh/ Wild Spinach	Wheat, Pea, Potato	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein, Vit. A, Calcium , Phosporous & potash	Exotic	Farmers
Canary Grass	<i>Phalaris minor</i>	Sitti	Wheat Grass Peas, mustard	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Abundant	Abundant	Fodder & forage	Mechanical, Chemical	Source for High quality protein	Exotic	Farmers
Meadow Pea	<i>Lathyrus aphaca</i>	Maintri	Wheat Grass Peas, mustard	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Exotic	Farmers
Canada Thistle	<i>Cirsium arvense</i>	creeping thistle	Wheat gram, Barley	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Normal	Normal		Mechanical, Chemical	Nil	Exotic	Farmers
Wild oats	<i>Avena fatua</i>	Jangli Javi	Oats	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Rare	Rare	Fodder	Mechanical, Chemical	Nutratve Fodder for Animals	Exotic	Farmers
Jhonson Grass	<i>Sorghum halepense</i>	Beru grass	Sorghum	Reduces yield	Plain and hilly/ Subtropical /Farm fields	Rare	Rare	Fodder	Mechanical, Chemical	Nutratve Fodder for Animals	Exotic	Farmers

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
Wheat	Wheat seed gall nematodes	<i>Anguina tritici</i>		Cool &Moist Climate/ Farm fields	October-November/ Rabi Crops			Cause of Ear Cockle Disease	Farmers
Wheat	Ghujia weevil	<i>Sitophilus granarius</i>	Keede	Warm climate/ Farm fields	October-November/ Rabi Crops				Farmers
Wheat	Wheat aphid	<i>Sitobion miscanthi</i>		Cool &Moist Climate/ Farm fields	Throughout the year			Sucks the sap from plants	Farmers
Wheat	Gram pod borer	<i>Helicoverpa armigera</i>	Pangukuta	Warm climate/ Farm fields	Dec-Jan				Farmers
Wheat	Termite	<i>Microtermes obesi</i>	Keediya	Cool & Moist Climate/ Farm fields	Rabi crops			Feed on root,stem of growing plants	Farmers
Wheat	Army worm	<i>Spodoptera frugiperda</i>	Ludi	Cool &Moist Climate/ Farm fields	Oct-Feb			Larvae feed on leaves,chewing from the edges to the midrib or on the heads of cereal plants	Farmers
Maize	Spotted stem borer	<i>Chilo partellus</i>	Ludi	Cool &Moist Climate/Farm fields	August				Farmers
Maize	Maize leaf hoppers	<i>Dalbulus maidis</i>	Tridda	Cool &Moist Climate/Farm fields	Kharif				Farmers

Maize	Stem borer stalk	<i>Busseola fusca</i>	Ludi	Cool &Moist Climate/Farm fields	Kharif				Farmers
Wheat,Sorghum, Maize and other Crops	cut worm	<i>Agrotis ipsilon</i>	ludi	Cool &Moist Climate/Farm fields	Throughout the year	Chemical measures			Farmers
Maize and Bajra	Grasshopper	<i>Hieroglyphus nigrorepletus</i>	Tridda	Cool &Moist Climate/Farm fields	July-Sep	chemical measures			Farmers
Maize and Pulses	Blister beetle	<i>Mylabris spp</i>	Ghori	Cool &Moist Climate/Farm fields	Jun-Oct	Chemical measures			Farmers
All Crops	Field rat	<i>Rattus meltada</i>	chua	Cool &Moist Climate/Farm fields	Throughout the year	Chemical measures		Live in burrows,hidden in bushes	Farmers
All Crops	Monkey	<i>Rhesus macaque</i>	Bander	Cool &Moist Climate/Farm fields	Throughout the year	Traps & chemosterilization		Cause extensive damage to almost all crops,attacks humans	Farmers
All crops	Wild boar	<i>Sus scrofa</i>	Jangli Suar	Cool &Moist Climate/Farm fields	Throughout the year			Cause extensive damage to almost all crops	Farmers

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
<b>Name of the market &amp; location</b>	<b>Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M)</b> [1]	<b>Types of animals bought and sold</b> [2]	<b>Types and Average Number of animals transacted in a day</b>	<b>Places from which animals are brought</b>	<b>Places to which the animals are sold / transported</b>	<b>Name and location of fish market</b>	<b>Types of fishes sold</b>	<b>Source of fish</b>

**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
Hindu / Muslim	Farming/ Labour	Animal Husbandry	Agriculture Landscape	Agricultural resources of different nature	Plantation, Construction of Roads etc.	Seasonal Practices;Modern as Well as Traditional	SC, ST, OT	Average	Permanent Settlers and few Nomads	913
Population : 4244										
Male :2200 &Female :2044										

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

**Format 8: Landscape**

1			2	3	4	5	6	7	8	9	10	11	12	
Major Landscapes			Sub - Landscapes	Features and approx. area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed	
Agricultural land	Pond	Fallow land												
Agricultural land			Maize	Open land	Private	Wheat,maize, dal mash, bajra, soyabean,till	Monkey,rabbit, porcupine, rat, wild boar ,pigeon, sparrow	Locals	Crop rotation,terrace farming	Food and fodder			locals	
			Orchid	Close land										locals
			Vegetable	Garden							Vegetables			locals
Forest land					Forest	Chir, Khair, Sissoo, Kamila, Bamboo, Simble & Trimal etc	Monkey,leopard,peacock,jackel & pig etc	Locals and nomadic grazers		Timber,medicines,fruit			Locals	
														Nomadic grazers
Fallow land					Forest/State									
Pond				Standing water for habitat of plants and animals	Forest/ State/ Private	Algae,pteridophytes,fun gi,bryophyllum, water lilies,water hyacinth,bhang,grass	Fishes,Frogs,Snakes,Snails &Leech	locals	Desilting, dredging, blue pond dye	Drinking and irrigation purpose			Locals,Wild Animals	

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

### Format 9: Waterscape

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Pond		Standing water for habitat of plants and animals	Forest/ State/ Private land	Bryophyllum	Fishes	Domestic purpose, irrigation, drinking etc	Locals & Wild animals	Desilting, Dredging, Manual Weeding, Blue Pond Dye				Locals, wild animals
				Algae	Amphibians							
				Pteridophyte	Prawn							
				Water hyacinth	Snail							
				Fern	Snakes							
				Water lilies	Leech							
					Crab							
					Mosquito							
					turtle							
tawi		2 kms (approx.)	State land	Algae	Fishes	Domestic purpose, irrigation etc	Locals & Wild animals		Cows and buffaloes come to the river for drinking water & for bathing			Locals, wild animals
				Pteridophyte	Amphibians							
				Water hyacinth	Prawn							

			Fern	Snail							
				Snakes							
				Leech							
				Crab							
Nallah		Private,forest land	Algae	Amphibians	Domestic purpose, Ecotourism	Locals &Wild animals					Locals,Wild Animals
			Pteridophyte	Prawn							
			Water hyacinth	Snail							
			Fern	Snakes							
					Leech						
					Crab						
Bowlis		forest/ State/ Private land			Domestic purpose like drinking etc	Locals &Wild animals					Locals,wild animals
Hand pump		Private/ State land			Domestic purpose like drinking ,Bathing etc	Locals					Locals
Well		Private/ State /Forest land			Domestic purpose like drinking ,Bathing etc	Locals					Locals

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 earth	Brown fine particles	Water holding capacity,porous		Kharif and rabi crops.All herbaceous and woody plants	Earthworm, bacteria, fungi, algae, protozoa, nematodes, acarids		
Alluvial	Light brown ,porous	Water holding capacity ,anchoring property		Kharif and rabi crops. All herbaceous &Woody plants.ornamental plants	Earthworm, bacteria, fungi, algae, protozoa, nematodes, acarids		
Red soil	Red	Water holding capacity ,anchoring property, xerophytic		Cactus species,ganira,agave	Nematode ,round worm, scorpion ,lichen		
Sandy soil	Light grey color,coarse texture	Highly porous,low nutrients &poor Water holding Capacity		All herbaceous plants ,angiosperms and gymnosperms, maize, barley, wheat.amla	Bacteria, fungi, algae, protozoa, Earthworm nematodes, acarids, ant, centipede, millipede		
Rocky soil	black	Hard texture		bryophyte	Mosses, lichens, fungi, algae		
Loamy soil	Dark brown	Water holding capacity ,anchoring property, xerophytic			Herbaceous plants		
Clay	Light Brown	Water holding Capacity, anchoring property		Nerium, Agave, Cactus, Aloe vera	Bacteria .Fungi, Algae, Protozoa, Earthworm etc		

**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	Amb	<i>Mangifera indica</i>	Desi, Dusheri, Malta	Plains/Subtropical	Less	Less	Nurseries	Jun-Aug	Fruit, Pickle, Preserves		Own Use	Locals
Citrus Fruit	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	<i>Citrus spp.</i>	Local Selection, Kagzi Lime etc.	Plains, mid hills/Subtropical	Plenty	Plenty	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc		Marketing, Own Use	Locals
Guava	Amrood	<i>Psidium guajava</i>	Local, L49 etc.	Plains, Lower Hills/Subtropical	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Own Use	Locals
Grapes	Angoor	<i>Vitis vinifera</i>	Local Dakh, Perlette	Plains, Mid Hills/Subtropical	Rare	Plenty	Nurseries	Jul - Aug	Fruit		Own Use	Locals
Aonla	Ambla	<i>Phyllanthus emblica</i>	Local Selection, NA-7	Plains/Subtropical	Plenty	Plenty	Nurseries, Local Collections	Nov.- Dec	Pickling Preserve etc		Marketing, Own Use	Locals
Ber	Ber	<i>Ziziphus mauritiana lamk</i>	Gola, Varanasi	Plains/Subtropical	Plenty	Plenty	Local	Jul - Aug	Fruit		Own Use	Locals
Jamun	Jamun	<i>Syzygium cumini</i>	Local Selection	Plains/Subtropical	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use	Locals
Pomegranate	Anaar, Druni	<i>Punica granatum</i>	Ganesh, Kandhari, Local	Plains, Mid hills/Subtropical	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana		Own Use	Locals
Peach	Aaroo	<i>Prunus persica</i>	July Elberta, Quetta	Plains, mid hills/Subtropical	Rare	Plenty	Nurseries	Jun - Jul	Fruit		Own Use	Locals
Karonda	Garnay	<i>Carissa carandas</i>	Local	Plains,hills/ Subtropical	Rare	Rare	Wild, Local	Jun - Aug	Fruit		Own Use	Locals
Banana	kela	<i>Musa paradisiaca</i>	Local	Plains,hills/ Subtropical	Rare	Rare	Locally raised	Sep-Jan	Fruit		Own Use	Local people

Loquat	Lgaath	<i>Eriobotrya japonica</i>	Local	Plains,hills/ Subtropical	Normal	Normal	Locally raised	Sep-Jan	Fruit		Own Use	Local people
Apple	Seb	<i>Malus pumila</i>	HRMN-99	Plains,hills/ Subtropical	Rare	Rare	Locally raised	June-Aug	Fruit		Own Use	Local people
Pear	Naashpati	<i>Pyrus communis</i>	Local	Plains,hills/ Subtropical	Rare	Rare	Locally raised	July -Oct	Fruit		Own Use	Local people



**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					
Herb	Datura	<i>Datura stramonium</i>		Plains & Lowland Valleys/ Subtropical	Department/ Private Suppliers	Moderate	Moderate	Seeds are analgesic, antihelminthic and antiinflammatory so they are used in treatment of stomach & intestinal pain	Fruit/ Flowers/ Leaves/ Seeds	Leaves and fruits are offered to Lord Shiva on Special Days	Own use	Local people
Shrub	Aak	<i>Calotropis gigantea</i>		Plains & Lowland Valleys/ Subtropical	Department/ Private Suppliers	Good	Good	Leaves and milk is beneficial for skin related problems	Leaves/ Flowers	Leaves and Flowers are offered to Lord Shiva on Special days. Wood is used in Hawan	Own use	Local people
Shrub	Nagfani (Cactus)	<i>Opuntia ficus-indica</i>		Plains & Lowland Valleys/ Subtropical	Department/ Private Suppliers	Moderate	Moderate		Leaves		Own use	Local people
Shrub	Amaltas	<i>Cassia fistula</i>		Plains & Lowland Valleys/ Subtropical	Department /Private Suppliers	Moderate	Moderate			diabetes	Own use	Local people
Shrub	Billan	<i>Aegle marmelos</i>		Plains & Lowland Valleys/ Subtropical	Department/ Private Suppliers	Good	Good	Unripe fruits are used to make medicine	Leaves	Leaves are offered to Lord Shiva	Own use	Local people
Tree	Jammun	<i>Syzygium cuminii</i>		Plains & Lowland Valleys/ Subtropical	Department/ Private Suppliers	Moderate	Rare		Fruit	Increases Heamoglobin count	Own use	Local people

Herb	Tulsi	<i>Ocimum sanctum</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Good	Useful against Common ailments like Common Cold, fever, cough, heart diseases, stomach disorders, kidney stones and many more	Leaves	Considered Sacred acc. To Hindu Religion ; Used in funeral Ceremony in Hindu Community	Own use	Local people
Herb	Pudina	<i>Mentha spp.</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Good	Fresh & Dried Leaves are used to make Chutney	Leaves	Treat indigestion	Own use	Local people
Shrub	Black berry	<i>Rubus allegheniensis</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Moderate	Moderate		fruits	Diarrhoea treatment	Own use	Local people
Shrub	Kakkar Singhi	<i>Pistacia khinjuk</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Rare	Rare		stem	Treating bronchitis	Own use	Local people
Shrub	Rumbal	<i>Ficus racemosa</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Good	Fruits are edible and leaves are used for fodder	Root/Wood/Fruits	Wood is used in Hawan and fruits are extensively eaten by monkeys	Own use	Local people
Tree	Trimbali	<i>Ficus auriculata</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Good	Leaves are used for fodder and for plates	Fruit/ Leaves	Indigestion treatment	Own use	Local people
Tree	Fakor	<i>Ficus Palmata (Edible)</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Moderate	Fruits are edible	Fruit	Fruit is useful against stomach disorders	Own use	Local people
Tree	Bhor	<i>Ficus bengalensis</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Rare	Rare	Known for its broadest Canopy	Leaves, fruit	Treat diseases of blood and head, ulcers	Own use	Local people

Tree	Aamla	<i>Emblica officinalis</i>		Plains &Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Good	Amla is rich in Vit. C which helps in Improving immunity;Effective againt jaundice too. Used in pickle ; wood is used in Havan	Fruit/Wood	Take an iron utensil add some water,put amlas in it. keep it for some time &then use this water for hair washing.Hair will look black &it gives cooling effect too.	Own use	Local people
Tree	Behra	<i>Terminalia bellirica</i>		Plains &Lowland Valleys/Subtropical	Department/Private Suppliers	Moderate	Moderate		Fruit	Respiratory diseases	Own use	Local people
Shrub	Harad/Reed	<i>Terminalia chebula</i>		Plains &Lowland Valleys/Subtropical	Department/Private Suppliers	Moderate	Rare	Known to increase appetite &improves digestion and absorption	fruit	Used as a Vegetable and pickle.Used to trate dry cough	Own use	Local people
Shrub	Kakoa	<i>Flacourtia indica</i>		Plains &Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Moderate	Fruits are edible &Leaves used as fodder for Sheep &Goats	fruit/Leaves	Use in snake bite	Own use	Local people
Tree	Kamila	<i>Mallotus philippensis</i>		Plains &Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Good		fruit	Skin diseases	Own use	Local people
Shrub	Kayora	<i>Agave americana</i>		Plains &Lowland Valleys/Subtropical	Department/Private Suppliers	Moderate	Moderate	Intestinal gas &constipation	fruit/Leaves	Historically its leaves were used to make Ropes which were used to tie domestic animals to its place(pole)	Own use	Local people
Shrub	Kainth	<i>Pyrus pashia</i>		Plains &Lowland Valleys/Subtropical	Department/Private Suppliers	Moderate	Moderate	fruit is edible and leaves served as a fodder for sheep &goats	fruit	Fever,headache	Own use	Local people

Tree	Thor	<i>Euphorbia royleana</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Good	Central portion of stem is used in making subzi & Pickle	stem	Paralysis ,earpain etc	Own use	Local people
Herb	Kwaadgndl	<i>Aloe barbadensis miller</i>		Plains & Lowland Valleys/Subtropical	Department/Private Suppliers	Good	Good	Possess antibacterial,antiviral &antiseptic properties	Gel of Leaves	Used against Skin related problems	Own use	Local people
Tree	Neem	<i>Azadirachta indica</i>		Lower shiwalik	Department/Private Suppliers	Moderate	Rare	leaves used to treat skin diseases	Leaves/ Bark	Dried neem leaves are mixed with the stored grains to protect them from insect pests	used as a teeth cleaning twig as it help to prevent tooth decay	Local people
Tree	Kalyaad	<i>Bauhinia variegata</i>		Lower shiwalik	Department/Private Suppliers	Moderate	Moderate	flowers &buds are antihelminthic	Leaves/ Flower	flowers and buds are boiled,added in curd and eaten as a recipe(Raita)	Own use	Generally, held by community

Note: Uses: Food/ Veterinary Medicine,/ Human Medicine (Sub-divisions like for children, women etc),/ Agricultural Purpose (Bio-pesticide)  
Other details: Propagation methods, / Harvesting period,/ Cultivated or collected from wild or both,/ Perennial/annual/seasonal



### 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					
Tree	Chir	<i>Pinus roxburghii</i>	Subtropical	Good	Good	Wild	Timber	Pine needle Vases are made	used for fuel wood,torch wood,funeral wood &furniture	Bakerwal,locals
Tree	Khair	<i>Acacia catechu</i>	Subtropical	Good	Good	Wild	Timber	Medicinal (Katha)		Locals
Tree	Kambel	<i>Lanea coromandelica</i>	Subtropical	Good	Good	Wild	Timber			Bakerwal
Tree	Tuni	<i>Toona ciliata</i>	Subtropical	Good	Good	Wild	Timber			Locals
Tree	Kamila	<i>Mallotus philippensis</i>	Subtropical	Good	Good	Wild	Timber	Medicinal		Local natives of area
Tree	Phulai	<i>Acacia modesta</i>	Subtropical	Good	Good	Wild	Timber	As tooth brush		Local natives of area
Tree	Draink	<i>Melia azedarach</i>	Subtropical	Good	Good	Wild	Timber	Dried leaves are mixed with the stored grains to protect them from insect pests		Local natives of area
Tree	Toot	<i>Morus alba</i>	Subtropical	Good	Good	Wild	Timber	Mulberry leaves are primary food source of Silkworm	Twigs used for making Baskets	Local natives of area
Tree	Tali	<i>Dalbergia sissoo</i>	Subtropical	Good	Good	Wild	Timber			Local natives of area
Tree	Safeda	<i>Eucalyptus</i>	Subtropical	Good	Good	Wild	Timber	Used for Construction purposes		Local natives of area

Tree	Akhrot	<i>Juglans regia</i>	Subtropical	Rare	Rare	Wild	Timber	Edible fruit		Local natives of area
Tree	Khirak	<i>Celtis australis</i>	Subtropical	Good	Good	Wild	Timber	Fodder/Fuel		Local natives of area
Tree	Simbal	<i>Bombax ceiba</i>	Subtropical	Good	Good	Wild	Timber	Wood is used for ply		Local natives of area
Trees	Kiker	<i>Acacia nilotica</i>	Subtropical	Rare	Rare	Wild	Timber	Fuel/Shade/Fodder	nil	Generally, held by community
Trees	Sree	<i>Albizia lebbbeck</i>	Subtropical	Good	Good	Wild	Timber	Leaves used for fodder	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/hybrid)	Features	Method of keeping	Local status		Uses	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Cattle	Desi Gau	<i>Bos indicus</i>	local	Pronounced hump, long wide ears, large dewlap	stall feeding	Plenty	Rare	Dairy		Yes	Milk	Locals
	Jersey Gau	<i>Bos taurus</i>	CB Jersey	small in size, light brown in color	stall feeding	Normal	Normal	Dairy		Yes	Milk	Locals
	Amrecan Gau	<i>Bos taurus</i>	CB HF	Black & White Spot	stall feeding	Normal	Increased	Dairy		Yes	Milk	Locals
	Daandh/Ox	<i>Bos taurus indicus</i>	Local	Fatty hump on their shoulders	stall feeding	Normal	Rare	Ploughing		No	Ploughing	Locals
Buffalo	Manj	<i>Bubalus bubalis</i>	Both	Large Size	Stall feeding	Medium	Medium	Milk		Yes	Nil	Locals
Goat	Bakri	<i>Capra hircus</i>	Both	Herbivorous. hollow horned	open herd of Goats	Medium	Medium	Milk/ Meat		Yes	Nil	Locals
Sheep	Pid	<i>Ovis aries</i>	Both	Herbivorous, highly developed flocking instinct	Open flock of sheep	Medium	Medium	Wool/Meat		Yes	Nil	Locals
Poultry	Kukkar	<i>Gallus domesticus</i>	local	Enriched meat flavour	Backyard	Normal	Decreased	Egg, Meat		Yes	egg, meat	Locals
	Broiler	<i>Gallus domesticus</i>	hybrid	white color fast growing	Backyard	Normal	Increased	Egg, Meat		Yes	egg, meat	Locals
Dog	kutta	<i>Canis familiaris</i>	local	black colored mostly	Pet, Stray	Normal	Normal	kept for guarding purpose		No		Locals
Cat	billi	<i>Felis catus</i>	local	Grey/white color Carnivores	pet/stray	Normal	Rare	pet		No		Locals



Horse	Kode	<i>Equus spp.</i>	local	Brown /Black/White colored	stall feeding	Normal	Rare	Cart,means of transportation		Some	Cart	Locals
Mule	Khacchar	<i>Equus mulus</i>	local	Heads are shorter,thicker &more closely resemble that of a donkey.Known for hardiness &docile nature	stall feeding	Normal	Rare	Working Animals,Cart;used to ferry people &goods		No	Means of transportation	Locals

Uses include milk, meat, skin, fur and etc

**Format 16: Culture Fisheries**

1	2	3	4	5	6	7		8	9	10	11	12
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (pond/bheri/talao)	Local status		Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
						Past	Present					

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



**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					
Evergreen Woody Perennial	Santha	<i>Dodonaea viscosa</i>	Shrub	Subtropical	Good	Good	Own use	Leaves	Cordage & Soil binder; Leaves used to reduce Swelling	Twigs used to make brooms which are used to clean Kutchha house (made for domestic animals)	Locals
Perennial	Brenker	<i>Adhatoda vasica</i>	Shrub	Subtropical	Good	Good	Own use	Leaves	Use in ripening of fruit	After Sowing of Vegetable seeds its been covered with Brenker leaves to stimulate Germination	Locals
Annual	Bhang	<i>Cannabis sativa</i>	Herb	Subtropical	Good	Good	Own use	Leaves	Sedative	Thandai, a beverage made up of bhang leaves is savoured on Shivaratri	Locals
Annual &Short Lived Perennial	Dhatura	<i>Datura metel</i>	Herb	Subtropical	Good	Good	Own use	Flower/Fruit	Aesthetic value and Religious Value	Used in Worshipping of Lord Shiva	Locals
Perennial	Thor	<i>Euphorbia royleana</i>	Shrub	Subtropical	Good	Good	Own use	Stem	Food(mixed with curd)		Locals
Annual/ Perennial	Akk	<i>Ipomea carnea</i>	Shrub	Subtropical	Good	Good	Own use	Root	Live hedge	Ornamental	Locals

Annual	Jari	<i>Parthenium hysterophorus</i>	Shrub	Subtropical	Good	Good	Own use		Weed		Locals
Perennial	Daduni	<i>Punica granatum</i>	Plant	Subtropical	Good	Good	Own use	fruit	Anardana		Locals
Annual/ Perennial	Jojra	<i>Pupalia lappacea</i>	Herb	Subtropical	Good	Good	Own use	Leaves	Weed		Locals
Perennial	Bana	<i>Vitex nigundo</i>	Shrub	Subtropical	Good	Good	Own use	leaves	Aesthetic value , biopesticide ,Spiritua l value, Fuel wood	Leaves are hanged on Doors on Diwali night.Spiritual healers use twig of Bana while reciting Mantras	Locals
Annual,bienn ial or Perennial	Timbru	<i>Zanthoxylum alatum</i>	Shrub	Subtropical	Good	Good	Own use	Fruit/Twig/Seeds	Appetite booster ;used in chutney	Twigs used as a tooth stick for cleaning tooth;Wood is used in making paste(Danda) for grinding spices	Locals
Annual or Perennial	Amarbel	<i>Cuscuta reflexa</i>	Herb/ Subshrub	Subtropical	Good	Good	Own use	Stem	Medicinal		Locals
Perennial	Doab grass	<i>Cynodon dactylon</i>	Shrub	Subtropical	Good	Good	Own use	Leaves	Fodder		Locals
Perennial	Puthkanda	<i>Achyranthes aspera</i>	Herb	Subtropical	Good	Good	Own use	Stem/ Seeds/ Roots & Leaves	Aesthetic and Religious Value		Locals
Perennial	Kai	<i>Saccharum spontaneum</i>	Grass	Subtropical	Good	Good	Own use	Leaves	Aesthetic	used in making of Huts	Locals
Perennial	Giloe/Gdund	<i>Tinospora cordifolia</i>	Climbing Shrub	Subtropical	Good	Good	Own use	Stem	Stomach treatment	Immunity booster;used against Typhoid fever	Locals



### Format 19: Wild Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Tarad	<i>Dioscorea belophylla</i>		Food	Good
2	Simbal	<i>Bombax ceiba</i>		economic	Good
3	Pulah	<i>Butea monosperma</i>		Food wrapping items, cultural, aesthetic	Good
4	Krangal	<i>Cassia fistula</i>		Medicinal importance	Good
5	Safeda	<i>Eucalyptus citrodora</i>		Reduce cough,cold etc	Rare
6	Trimbal	<i>Ficus auriculata</i>		Fodder,fruit	Good
7	Bohar	<i>Ficus bengalensis</i>		Medicinal, cultival Aesthetic	Good
8	Fagora	<i>Ficus palmata</i>		Edible fruit,medicinal	Good
9	Rumble	<i>Ficus racemosa</i>		Healing power, used in tongue sore	Good
10	Kakoa	<i>Flacourtia indica</i>		Used in snakebite,arthritis	Good
11	Dhaman	<i>Grewia optiva</i>		Leaf fodder	Good
12	Kamila	<i>Mallotus philippensis</i>		As dye,antioxidant	Good
13	Aam	<i>Mangifera indica</i>		Fruit	Rare
14	Draink	<i>Melia azedarach</i>		Medicinal &,timber value	Good

15	Toot	<i>Morus alba</i>		Timber	Good
16	Chir	<i>Pinus roxburghii</i>		Timber, resin, medicinal	Good
17	Jamun	<i>Syzigium cumini</i>		Fruit, medicinal	Good
18	Ber	<i>Zyzyphus jujuba</i>		Food, medicinal	Good
19	Reetha	<i>Sapindus mukorossi</i>		Medicinal value	Good
20	Baans	<i>Dendrocalamus strictus</i>		Sticks used for construction & Fencing	Good
21	Khajuri	<i>Phoenix sylvestris</i>		leaves used for making baskets, hand fans, floor mats etc	Good



### 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				

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
1	Water hyacinth	<i>Eichhornia crassipes</i>		Use as eggcollector in breeding of fish	
2	Water lettuce	<i>Pistia stratiotes</i>		Use as eggcollector in breeding of fish	
3	Lucky 4-leaf clover	<i>Marsilia mutica</i>		-----	
4	Penny wort	<i>Bacopa monnieri</i>		-----	
5	Water poppy	<i>Hydrocleys nymphoides</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					
Herb	Datura	<i>Datura stramonium</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Used in pooja	Medicinal, Religious	Fruit	Own use	Local people
Tree	Billan	<i>Aegle marmelos</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Liver tonic, Used in worship of Lord Shiva	Medicinal, Religious	Fruit	Own use	Local people
Shrub	Banah	<i>Vitex negundo</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Pesticide	Medicinal, Religious	Leaves	Own use	Local people
Shrub	Timru	<i>Xanthoxylum alatum</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Appetite booster, used in chutney	Medicinal	Fruit	Own use	Local people
Tree	Fakor	<i>Ficus palmata</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	good for digestion	Medicinal	Fruit	Own use	Local people
Tree	Trimbal	<i>Ficus auriculata</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Fodder	Medicinal	fruit	Own use	Local people
Tree	Behra	<i>Terminalia bellirica</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	trifla	Medicinal	Fruit	Own use	Local people
Tree	Harad/ Reed	<i>Terminalia chebula</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Trifla	Medicinal	Fruit	Own use	Local people
Tree	Amla	<i>Emblica officinalis</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Trifla	Medicinal, Pickling	Fruit	Own use	Local people

Shrub	Kakoa	<i>Flacourtia Indica</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Immunity booster	Medicinal	Fruit	Own use	Local people
Shrub	Thor	<i>Euphorbia royleana</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	After peeling from all sides ,central portion is used for cooking	Medicinal	Stem	Own use	Local people
Tree	Phulai	<i>Acacia modesta</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Used as a teeth cleaning twig	Medicinal	Branches	Own use	Local people
Shrub	Anardana/ Daduni	<i>Punica granatum</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Chutney	Medicinal	Fruit	Own use	Local people
Herb	Kayora	<i>Agave Americana</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Pickles/Ropes	Medicinal	Fruit	Own use	Local people
Herb	Kainth	<i>Pyrus pashia</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Wild fruit	Medicinal	Fruit	Own use	Local people
Herb	Bhang	<i>Cannabis sativa</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Sedative	Medicinal,Religio us	Leaves	Own use	Local people
Shrub	ber	<i>Zyziphus jujuba</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Leaves are nutritious fodder for goats	Medicinal	Fruit	Own use	Local people
Shrub	Brenkad	<i>Adhatoda vasica</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Pesticide	Medicinal	leaves	Own use	Local people
Herb	Pudina/ Puttna	<i>Mentha spp.</i>		Low land valleys/ Subtropical/ Wild	Good	Moderate	Improve appetite	Medicinal	leaves	Own use	Local people

Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide)

Other details: Harvesting period /Perennial/annual/seasonal

### 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					
Ber	<i>Ziziphus Jujube</i>	<i>Zipus mouritiana</i>	Wild	Good	Good	Edible fruit	Fruit			Local people
Kainthi	<i>Pyrus Pyrifolia</i>	<i>Pyrus communis</i>	Wild	Good	Good	Edible fruit	Fruit			Local people
Wild Grapes	<i>Vitis vinifera</i>	<i>vitis</i>	Wild	Good	Normal	Edible fruit	Fruit			Local people
Local Mango	<i>Mangifera indica</i>	<i>Magnifera indica</i>	Wild	Good	Normal	Edible fruit	Fruit			Local people
Wild Musroom	<i>Agaricus bisporus</i>	<i>Agaricus bisporus</i>	Wild	Abundant	Rare	vegetable	Whole plant	Used as veegtable	Domestic use	Local People
Wild Palak	<i>Ajuga reptens</i>		Wild	Abundant	Rare	Edible Leaf	Leaf		Domestic use	Local people
Wild Tobacco	<i>Verbascum thapsus</i>	<i>Nicotiana</i>	Wild	Abundant	Declined	Smoking	Whole plant		Domestic use	Local people
burn mouth - vine	<i>Rhynchosia minima</i>	<i>Rhynchosia minima</i>	Wild	Abundant	Declined	Pulses	Seed	Pulses	Domestic use	Local people

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
Ashoka tree	<i>Polyalthia longifolia</i>	Wild	Subtropical	Ornamental	-		Local
Morpankhi	<i>Platyclusus orientalis</i>	Wild	Subtropical	Ornamental			Local
Saptarni tree	<i>Alstonia scholaris</i>	Wild	Subtropical	Ornamental	-		Local
Red bottle brush	<i>Callistemon citrinus</i>	Wild	Subtropical	Ornamental	-		Local
Money plant	<i>Epipremnum aureum</i>	Wild	Subtropical	Ornamental	-		Local
Life plant	<i>Bryophyllum pinnatum</i>	Wild	Subtropical	Ornamental	-		Local
Surajmukhi	<i>Helianthus annuus</i>	Wild	Subtropical	Edible oil	-		Local
Gulaab	<i>Rosa spp.</i>	Wild	Subtropical	ornamental	-		Local
China rose	<i>Hibiscus rosa-sinensis</i>	Wild	Subtropical	ornamental			Local
Bougainvillea	<i>Bougainvillea glabra</i>	Wild	Subtropical	Ornamental	-		Local
Amaltas	<i>Cassia fistula</i>	Wild	Subtropical	Ornamental/Medicine	-----		Local people

African daisy	<i>Senecio pterophorus</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Cheeseberry	<i>Rubus ellipticus</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Paper mulberry	<i>Broussonetia papyrifera</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Garden violet	<i>Viola odorata</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Indian Borage	<i>Trichodesma indicum</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
South african daisy	<i>Senecio inaequidens</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Thistle	<i>Sonchus asper</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Creeping wood sorrel	<i>Oxalis corniculata</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Indian Sweet Clover	<i>Melilotus indicus</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Melancholy thistle	<i>Cirsium heterophyllum</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Indian fumitory	<i>Fumaria parviflora</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people
Spanish needle	<i>Bidens alba</i>	Wild	Subtropical	Ornamental/Medicine	----		Local people

**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	Nimbu	<i>Citrus lemon</i>		Slopy/plain	Good	Good	As food	Fruit	Vit.c source		Local people
Herb	Puthkanda	<i>Achyranthes aspera</i>		Hilly	Good	Good	Medicine	Leaves	Aesthetic value		Gujjar
Tree	Khair	<i>Acacia catechu</i>		Hilly	Moderate	Rare	Timber	Stem	conjunctivitis		bakerwal
Herb	Payaz	<i>Allium cepa</i>		Plain	Moderate	Moderate	Food	Stem	Diabetis		Gujjar
Herb	Thoom	<i>Allium sativum</i>		Plain	Moderate	Moderate	Food	Bulb	High b.p		Gujjar
Herb	Adhrak	<i>Zingiber officinale</i>		Plain	Moderate	Moderate	Food	Root	digestion		Bakerwal
Tree	Neem	<i>Azadirachta indica</i>		plain	Moderate	Rare	medicine	All	Leprosy		Mix
Shrub	Bhang	<i>Cannabis sativa</i>		Hilly /plain	Good	Good	Medicine	Leaves	Sedative		Locals
Herb	Haldi	<i>Curcuma longa</i>		Hilly	Rare	Moderate	Food	Root	Antiseptic		Locals
Shrub	Brenker	<i>Adhatoda vasica</i>		Hilly	Good	Good	Medicine	Leaves	preservative		Locals
Shrub	Geloy	<i>Tinospora cordifolia</i>		Plain/hilly	Rare	Rare	Medicine	Stem	pharmaceutical		Locals
Herb	Aloevera	<i>Aloe barbadensis miller</i>		Plain/slopy	Good	Good	medicine	All	Skin treatment		Locals
Tree	Curry tree	<i>Murraya koenigii</i>		moist forest and agricultural land	Abundant	Abundant	Spice	leaves	Used as a flavouring agent in indian cuisines		Local people









**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					
Bird	Eil	<i>Aegypius monachus</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Good	Few	Scavanger				Local natives of area
Insect	Titli	<i>Précis hierta</i>	Northern/ Sub-Tropical/ Wild	Arboreal Herbivore	Throughout the year	Good	Good	Nector collector				Locals
Insect	Trida	<i>Poecilocerus pictus</i>	Northern/ Sub-Tropical/ Wild	Omnivore	Throughout the year	Good	Good	Pollination				Locals
Bird	Jangli Murga	<i>Gallus gallus domesticus</i>	Northern/ Sub-Tropical/ Wild	Omnivore	Throughout the year	Good	Good	Eggs				Bakerwal
Bird	Kaa	<i>Corvus splendens</i>	Northern/ Sub-Tropical/ Wild	Omnivore	Throughout the year	Good	Good					Bakerwal
Bird	Papiya	<i>Clamotor jacobinus</i>	Northern/ Sub-Tropical/ Wild	Omnivore	Throughout the year	Good	Good	Pollination				Locals
Insect	Demak	<i>Cryptotermes domesticus</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Good	Good	Decomposer				Locals
Insect	Kronkal	<i>Scolopendra morsitans</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Good	Good	Decomposer				Locals

Mammal	Khargosh	<i>Lepus nigricolis</i>	Northern/ Sub-Tropical/ Wild	Herbivore	Throughout the year	Good	Good	Meat					Locals
Mammal	Chamgadard	<i>Pteropus giganteus</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Good	Good	pollination					locals
Bird	Gtaary	<i>Acridotheres tristis</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Good	Good	Pollination					Locals
Mammal	Gedhad	<i>Canis aureus</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Good	Good	Carnivorous					Locals
Mammal	Gilhari	<i>Fanambulus pennatii</i>	Northern/ Sub-Tropical/ Wild	Omnivore	Throughout the year	Good	Good						Locals
Insect	Chakki	<i>Helix aspersa</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Good	Good	Pollination					Locals
Bird	Bagla	<i>Bubalcuribis</i>	Northern/ Sub-Tropical/ Wild	Omnivore	Throughout the year	Good	Good	Scavenger					Locals
Amphibian	Mendak	<i>Rana tigrina</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Good	Good	Scavenger					Locals
Insect	Madhumakhi	<i>Apis dorsata</i>	Northern/ Sub-Tropical/ Wild	Herbivore	Throughout the year	Good	Good	Honey					Locals
Bird	Mor	<i>Pavo cristatus</i>	Northern/ Sub-Tropical/ Wild	Omnivore	Throughout the year	Good	Good	Aesthetic value					Locals

Reptiles	Saamp	<i>Naja naja</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Good	Good	.....				Locals
Mammal	Paada	<i>Muntiacus muntjak</i>	Northern/ Sub-Tropical/ Wild	Rib faced deer	Throughout the year	Good	Rare	Meat				Local people
Mammal	Bander	<i>Simiformes catarrhini</i>	Northern/ Sub-Tropical/ Wild	Omnivore	Throughout the year	Good	Good	.....	Pest ;cause extensive damage to all crops			Locals
Mammal	Leopard	<i>Panthera pardus</i>	Northern/ Sub-Tropical/ Wild	Carnivore	Throughout the year	Rare	Rare	.....				Locals
Mammal	Wild Boar	<i>Sus scrofa</i>	Northern/ Sub-Tropical/ Wild	Omnivore	Throughout the year	Good	Good		Pest; cause extensive damage to all crops			Locals
Mammal	Porcupine/Say	<i>Erethizon dorsatum</i>	Northern/ Sub-Tropical/ Wild	Porcupines have soft hair but on their back,sides &tail it is mixed with sharp quills	Throughout the year	Good	Good	Meat	-	-	destroy maize crop	Local people
Insects	Ants/ Keediya	<i>Brachymyrmex patagonicus</i>	Northern/ Sub-Tropical/ Wild	Common insects	Throughout the year	Good	Good	-	-	-	-	Local people
Insects	Wasp/ Tarmudi	<i>Polistes versicolor</i>	Northern/ Sub-Tropical/ Wild	Predatory :captures insects &feed on pollen &nectar	Throughout the year	Good	Good	It can be useful as a pollinator or as effective pest control				Local people
Reptiles	Monitor lizard /Kro	<i>Varanus spp</i>	Northern/ Sub-Tropical/ Wild	Possess an elongated head &neck,heavy body,long tail,well developed legs	Throughout the year	Good	moderate					Local people
Reptiles	Kilkodi/ Kirli/ Chipkli	<i>Hemidactylus frenatus</i>	Northern/ Sub-Tropical/ Wild	The bulk of the diet of lizard is made up of invertebrate (cockroaches,termites,bees,wasps etc)	Throughout the year	Good	moderate					Local people







**Format 29: Flora**

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

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

### Format 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.)
Nil	Nil	Nil	Nil	Nil	Nil

**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

*End of Part II*