

## People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Kartholi Lower

Taluk: Bari Brahmana

District: Samba

State: J&K

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total - 4000

Male: 2500

Female: 1500

Habitat and Topography: Kandi area

Climate (Rainfall, Temperature and weather patterns) Sub-Tropical

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation

Management Regime: Reserve Forest (RF)/Joint Forest Management(JFM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

**Annexure 1**

**Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by the local and not less than 18% belonging to SC/ST)**

n: Angrez singh

## 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 : NIL
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: NIL
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: NIL
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:

### Annexure 3

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

1) Name of the Chairperson: Prem Nath

Age: 40 years

Gender: Male

Address: Kartholi Lower

Area of specialization: Agriculture

2) Name of the Chairperson: Sewa Ram

Age: 60 years

Gender: male

Address: Kartholi Lower

Area of specialization: Agriculture

3) Name of the Chairperson: Chamel Singh

Age: 50 years

Gender: Male

Address: Kartholi Lower

Area of specialization: Agriculture

4) Name of the Chairperson: NIL

Age:

Gender:

Address:

Area of specialization:

## 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: NIL
Name and Address:
2) Contact Person: NIL
Name and Address:
3) Contact Person: NIL
Name and Address:
4) Contact Person: NIL
Name and Address:

**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							
Rice	<i>Oryza sativa</i>	Dhan Huuji	Veliyan	Lowland valleys	20	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases		Food Fodder Roofing Fuel	Provides more energy	Suitable for "Valicha" cultivation		Kurichiya Kuruma W. Chetty
Wheat	<i>Triticum Aestivum</i>	Kanak	HD-2967		22	Plenty	Plenty	Dwarf high yield variety						
Maize	<i>Zea mays</i>	Muck		White grain composite		Plenty	Plenty	High yielding	Kharif	Food Fodder	Provides more energy	Suitable for mid plains	Desi , Local & Agri. Deptt	-
Til	<i>Sesamum indicum</i>	Til		-		Rare	Rare	-	Kharif	For Oil Purpose	-	-	Local & Agri. Deptt.	
Mustard	<i>Brassica juncea</i>	Sarson		-		Rare	Rare	-	Rabi	For Oil Purpose	-	-	Local & Agri. Deptt.	

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 2: Fruit Plants**

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Woody Tree	<i>Mangifera indica</i>	Amb	Wild, Dashehari, Malda, Amrapali, Mallika, Langra, Swarn Rekha, Chausa, Fazli, Totapuri, Ramkila, Baramasim etc.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to August	Record available in old books.	Sucking, table, processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>litchi chinensis</i>	Lychee	Dehradun, Calcutti, Seedless, Rose Scented	Sub-tropical	Good	Good	Layered plants.	March to July	Introduced by traders and domesticated locally.	Table and processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Pidium guajava</i>	Amrood	Wild, Allahbad, Sardar, Lalit, Arka Amulaya, Sheveta, Punjab Pink	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to August, Dec. To January	Introduced by traders and domesticated locally.	Table and processing.	Own uses and sold in market	Popular in local population.
Climber	<i>Vitis vinifera</i>	Angoor	Wild, Perlet, Beauty Seedless	Sub-tropical	Good	Good	Cuttings	Feb. To June	Introduced by traders and domesticated locally.	Table and processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Emblica officinalis</i>	Amla	wild, Banarsi, Neelam, NA 7.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to Nov.	Record available in old books.	Processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus reticulata</i>	Sangtra	Kinnow, Sangtra	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Record available in old books.	Table and processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus aurantifolia</i>	Nimboo	Wild, Kagzi, Italian, Eureka	Sub-tropical	Good	Good	Grafted Plants	March to Oct.	Record available in old books.	Processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Crus limon</i>	Galgal	Wild	Sub-tropical	Good	Good	Seedling andn Grafted Plants	March to Sept.	Record available in old books.	Processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Crus medica</i>	Kimb	Wild	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Record available in old books.	Processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus jambhiri</i>	Jamiri	Wild	Sub-tropical	Good	Good	Seedling trees	March to Oct.	Record available in old books.	Processing, root stock	Own uses and sold in market	Popular in local population.



Woody Tree	<i>Citrus x floridana</i>	Kumquat	Wild	Sub-tropical	Good	Good	Grafted Plants	March to Jan..	Record available in old books.	Processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus tangerina</i>	Narangi	Wild	Sub-tropical	Good	Good	Grafted Plants	March to Dec.	Record available in old books.	Ornamental and processing.	Own uses	Popular in local population.
Woody Tree	<i>Zizyphus mauritiana</i>	Ber	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted Plants	March to Nov.	Record available in old books.	Table purposes	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Zizyphus jujuba</i>	Phowari Ber	Wild	Sub-tropical	Good	Good	Seedlings	March to Nov.	Record available in old books.	Table purposes	Own uses and sold in market	Popular in local population.
Bush	<i>Grewia subinaequalis</i>	Phalsa	Wild	Sub-tropical	Good	Good	Seedlings and Cuttings	March to July	Record available in old books.	Processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Syzygium cumini</i>	Jamun	Wild	Sub-tropical	Good	Good	Seedlings and Grafted	March to July	Record available in old books.	Processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Punica granatum</i>	Anar	Wild, Ganesh, Kandhari,	Sub-tropical	Good	Good	Cuttings	March to July	Record available in old books.	Table purposes and processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Cordia myxa</i>	Lasooda	Wild	Sub-tropical	Good	Good	Seedlings	March to June	Record available in old books.	Processing purposes	Own uses and sold in market	Popular in local population.
Bush	<i>Carissa carandas</i>	Gerna	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Record available in old books.	Table purposes and processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Aegle marmalos</i>	Bill	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Record available in old books.	Table purposes and processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Prunus saliciana</i>	Aloocha	Kala Amrtsari, Alucha	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Introduced by traders and domesticated locally.	Table purposes and processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Morus alba</i>	Shahtoot	Wild, China	Sub-tropical	Good	Good	Cuttings	March to July	Introduced by traders and domesticated locally.	Table purposes, leaves for rearing Silkworms.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Ficus carica</i>	Fakhwari	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Introduced by traders and domesticated locally.	Table purposes.	Own uses and sold in market	Popular in local population.
Soft Tree	<i>Carica papaya</i>	Papita	Wild, Red Lady, Pusa Nana	Sub-tropical	Good	Good	Seedlings and hybrids	March to Nov.	Record available in old books.	Table purposes.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Caprificus insectifera</i>	Rumble	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Record available in old books.	Medicinal purposes.	Own uses	Not much known.

**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					
Barseem	<i>Trifoum Alexanderium</i>	Barseem	Winter Forage	Plenty	Plenty	Agriculture deptt Pvt. Seed store	It has resist once to desiccation and tolerate to water logging condition . It is rich in calcium & phosphours	Whole Plant	Soil with clay loam texture having good water retention capacity are the best suitable for cultivation	
Pearl	<i>Penniscutum Glaucum</i>	Bajra	Tropical sub tropical climate	Plenty	Plenty	Agriculture deptt Pvt. Seed store	High hillering crop	Whole Plant	It is quick growing disease and frost resistant	
Sorghum	<i>Sorghum bicolor</i>	Jawar	Warm climate crop	Plenty	Plenty	Agriculture deptt Pvt. Seed store	It has resist once to desiccation and to lerate to water logging condition . It is rich in calcium & phosphours	Whole Plant	Soil with clay loam texture having good water retention capacity are the best suitable for cultivation	

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>Chenopodi um sp</i>	Baathu	Wheat	Broad leaf and consumed the nutrients of plants and reduce 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	Wheat	Compete with nutrition, light and space with wheat crop and reduces the narrow leav weed	Grows with wheat crop	Plenty	Plenty	Nil	1.Use of weedicides metribuzinic @ 200 Gms/h a dissolved in 500-600 l if 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 the plants till the early growth period and cause sever crop weed compitation	Grows with maize crop	Plenty	Plenty	Nil	1. 2-3 weeding followed by earthingup. 2. pre emergence apliation Atrazine @ 1-1.25 Kg/ per ha of 50% WP		Losses caused by weeds are more during early stage tha later stages	
Shol	Local	Shol	Paddy	Broad leaf and consumed the nutrients of plants	floating on the water	Plenty	Plenty	Nil	Drying of Paddy fields as a result of leaf dry		Hady and wider adoptability, multiply very fast	Pahari community
Shama	Local	Shama	Paddy	Compete with nutrition, light and space with Paddy crop	Tall growing,jurt like paddy	Normal	Normal	Nil	use of weedicide			

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	Grasshoper	<i>Hieroglyphus niogroreplentum</i>	Tidda, Raja da, Gorha	Polyphagus	June to November	1. Destro 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	
		<i>Dicladispa</i>	Neelu tittu	Appeaqr 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>	Chau, 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	They 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 off spring; and their brains, livers, kidneys, adrenal glands and hearts are smaller	
	Termites	<i>Microtermes obesi</i>	Seenak, SEONAK, WHITE ANT	Generally appears at wet places, lives in nests made under ground	through out the year	1. Destroy termitaria in an around the field. 2. Never use raw FYM. 3. For termites control in standing crop, dilute 4l of chlorpyriphos	These are social insect that lives under ground in colonies	The damage plant dry up completely and are easily pulled out	
Maize	Stem borer	<i>Chilo partellus</i>	Luhri, kidds	Occurs through out the country	July onwards, 15-20 days after germination	1. Apply granular insecticide carbofuran 3G @ 20kg/ha 2. Uproot the stubbles of previous years crop and burn	It attacks immediately after germination and cuses dead hearts in young plants	The adult is medium sized moth. The catapiller is dirty white in color with bristly hair on its body	
	Cut Worm	<i>Agrotis ipsilon</i>	Luhri	Occurs through out the country but especially in hilly areas	July onwards	Larva cut the seedling at ground level	Larva cut the seedling at ground level	They live in soil during the day and feed at night. The Catapillar are in grey in colour	

**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
Nil	Nil	Nil	Nil	Nil	Nil	Does not pertain to this department		
Nil	Nil	Nil	Nil	Nil	Nil			
Nil	Nil	Nil	Nil	Nil	Nil			
Nil	Nil	Nil	Nil	Nil	Nil			

**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
General - 60%										
SC - 30%										
ST - 10%										

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandary, 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 9: Waterscape**

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Waterscape element type</b>	<b>Sub- type</b>	<b>Features and approx area</b>	<b>Ownership</b>	<b>General flora</b>	<b>General fauna</b>	<b>Major uses</b>	<b>User groups</b>	<b>Management practices</b>	<b>General uses</b>	<b>Associated TK</b>	<b>Other details</b>	<b>Community accessed</b>
Pond			Private land	Lotus, Akk, Barrain	Snake, Frog, Snail, fishes	Irrigation, cattle washing	Public					
Tubewell			Private land									
Hand pump			Govt. land									

Examples: Ponds, Streams, Rivers, Lake, 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 forut soil	Silt loam to clay texture	Fine Granular, Dub angular	Use of organic matter				
Red & yellow Podzolic soil	Coarse texture	Blacky structure having PH 7.8-8.3 water holding capcity more than 40 %	maize,wheat, Safflower				
Lithosois	Gravelly loam to gravity silty loam	PH-7.1 to 7.8 occur steep slopes in the forerst hills of 400-600mtrs. 33-38 holding capacity.	oats				
Alluvial Soil	Loamy Soil	ph-7.0-7.7 organic carbon 0.28-0.617	Wheat,Paddy,vegetables				

**Format-11: Fruit Trees**

1	2	3	4	5	6	7		8	9	10	11	12	13
S. No.	Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local status		Source of Seeds/ Plants	Season of Fruiting	Uses (usages)	Associated TK	Other details market/ own use	Community/ knowledge holder
						Past	Present						
1	Woody Tree	Amb	<i>Mangifera indica</i>	Local, Dashehari, Malda, Amrapali, Mallika, Langra, Swarn Rekha, Chausa, Fazli, Totapuri, Ramkila, Baramasi.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to August	Sucking, table, processing	Record available in old books.	Own uses and sold in market	Popular in local population.
2	Woody Tree	Lychee	<i>litchi chinensis</i>	Dehradun, Calcutti, Seedless, Rose Scented	Sub-tropical	Good	Good	Layered plants.	March to July	Table and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
3	Woody Tree	Amrood	<i>Pidium guajava</i>	Local, Allahbad, Sardar, Lalit, Arka Amulaya, Sheveta, Punjab Pink	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to August, Dec. To January	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
4	Climber	Angoor	<i>Vitis vinifera</i>	Local, Perlet, Beauty Seedless	Sub-tropical	Good	Good	Cuttings	Feb. To June	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
5	Woody Tree	Amla	<i>Emblica officinalis</i>	Local, Banarsi, Neelam, NA 7.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to Nov.	Processing	Record available in old books.	Own uses and sold in market	Popular in local population.
6	Woody Tree	Sangtra	<i>Citrus reticulata</i>	Kinnow, Sangtra	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
7	Woody Tree	Nimboo	<i>Citrus aurantifolia</i>	Local, Kagzi, Italian, Eureka	Sub-tropical	Good	Good	Grafted Plants	March to Oct.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
8	Woody Tree	Galgal	<i>Citrus limon</i>	Local	Sub-tropical	Good	Good	Seedling andn Grafted Plants	March to Sept.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
9	Woody Tree	Kimb	<i>Citrus medica</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
10	Woody Tree	Jamiri	<i>Citrus jambhiri</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Oct.	Processing, root stock	Record available in old books.	Own uses and sold in market	Popular in local population.

11	Woody Tree	Narangi	<i>Citrus tangerina</i>	Local	Sub-tropical	Good	Good	Grafted Plants	March to Dec.	Ornamental and processing.	Record available in old books.	Own uses	Popular in local population.
12	Woody Tree	Ber	<i>Zizyphus mauritiana</i>	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted Plants	March to Nov.	Table purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
13	Woody Tree	Phowari Ber	<i>Zizyphus jujuba</i>	Local	Sub-tropical	Good	Good	Seedlings	March to Nov.	Table purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
14	Bush	Phalsa	<i>Grewia subinaequalis</i>	Local	Sub-tropical	Good	Good	Seedlings and Cuttings	March to July	Processing	Record available in old books.	Own uses and sold in market	Popular in local population.
15	Woody Tree	Jamun	<i>Syzygium cumini</i>	Local	Sub-tropical	Good	Good	Seedlings and Grafted	March to July	Processing	Record available in old books.	Own uses and sold in market	Popular in local population.
16	Woody Tree	Anar	<i>Punica granatum</i>	Local, Ganesh, Kandhari,	Sub-tropical	Good	Good	Cuttings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.
17	Woody Tree	Lasooda	<i>Cordia myxa</i>	Local	Sub-tropical	Good	Good	Seedlings	March to June	Processing purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
18	Bush	Gerna	<i>Carissa carandas</i>	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.
19	Woody Tree	Bill	<i>Aegle marmalos</i>	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.
20	Woody Tree	Aru	<i>Prunus persica</i>	Local, Sun Red, Florida Sun	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
21	Woody Tree	Aloochoa	<i>Prunus saliciana</i>	Kala Amritsari, Alucha	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
22	Woody Tree	Shahtoot	<i>Morus alba</i>	Local, China	Sub-tropical	Good	Good	Cuttings	March to July	Table purposes, rearing Silkworms.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
23	Woody Tree	Fig	<i>Ficus carica</i>	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
24	Soft Tree	Papita	<i>Carica papaya</i>	Local Red Lady, Pusa Nana	Sub-tropical	Good	Good	Seedlings and hybrids	March to Nov.	Table purposes.	Record available in old books.	Own uses and sold in market	Popular in local population.

**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					
Tree	Amla	<i>Phyllanthus emblica</i>			Seeds	Plenty	Rare	Nil	Fruits	NA	NA	Generally held by Community
Tree	Draink	<i>Melia azedarach</i>			Seeds	Rare	Rare	Nil	Leaves	NA	NA	Generally held by Community
Tree	Neem	<i>Azadirachta indica</i>			Seeds	Rare	Rare	Nil	Leaves / Bark	NA	NA	Generally held by Community
Tree	Mango	<i>Mangifera indica</i>			Seeds	Plenty	Plenty	Nil	Stem / Fuits	NA	NA	Generally held by Community
	Toot	Morus Alba			Seeds	Plenty	Rare		Stem			
	Talli	<i>Dalbergia sissoo</i>			Seeds	Rare	Rare		Roots			
Trees	Bel	<i>Angle mermelos</i>			Seeds	Rare	Rare					
Climber	Giloe	Tinospora Cordifolia			Roots	Rare	Rare		Stem			
	Khajoor	<i>Phoenix sylvestris</i>			Seeds	Rare	Rare					

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 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/ Knowledge Holder
Ornamental Tree	Kachnar	<i>Bauhinia Variegata</i>		Nurseries/Forest	Non commercial	Ornamental/ Landscaping	Used for Dysentery, Diarrhoea	Pink flowers in Summer	Floriculturists/ Nurserymen/Gardeners
Bushes/	Nerium	<i>Nerium Oleander</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Epiplepsy, cancer	Avenue plantation	Floriculturists/ Nurserymen/Gardeners
Shrubs									
Bushes/	Kaner	<i>Thevetia peruviana</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Fevers	Flower most of the year	Floriculturists/ Nurserymen/Gardeners
Shrubs									
Bushes/	Bottle Brush	<i>Callistemmon spp.</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Theraputic uses	Foilage and flowers	Floriculturists/ Nurserymen/Gardeners
Shrubs									
Bushes/	Bogan Bael	<i>B.Sp &amp; hybrids</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Antidiabetic, antiinflammatory	Multicoloured flowers	Floriculturists/ Nurserymen/Gardeners
shrubs									
Bushes/	Hibiscus	<i>Hibiscus rosasinensis</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Used in fever, constipation	Flower throughout the year	Floriculturists/ Nurserymen/Gardeners
Shrubs									
Herbs Seasonals	Guldopahar	<i>Portulaca grandiflora</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Antioxidant, antibacterial	Summer annual flower	Floriculturists/ Nurserymen/Gardeners
Pot Plants	Agave	<i>Agave angustifolia</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Traditional medicines	Succulent	Floriculturists/ Nurserymen/Gardeners
Pot Plants	Thur	<i>Cactus spp</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Folk medicines	Thorny succulents	Floriculturists/ Nurserymen/Gardeners

**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					
Timber	Tali	<i>Dalbergia sissoo</i>		Abundant	Abundant	Wild	Own	Nil	Nil	
Tree	Jamun	<i>Syzygium cumini</i>		Abundant	Abundant	-	Wood used for Furniture	Medicinal	Fruits are edible	
Tree	Toot	Morus Alba		Abundant	Abundant					
Tree	Draink	<i>Melia azedarach</i>		Rare	rare	Available	Medicinal	Antioxidant, antianalgesic, antidiabetic	Leaves and Seed	
Trees	Safeda	<i>Eucalyptus spp.</i>		Rare	rare	Wild	commercial	nil	nil	
Tree	Kiker	Acacia Nilotica		Rare	rare					
Tree	Sree	<i>Albizzia lebbeck</i>		Rare	rare	Wild	own	nil	nil	
Tree	Mango	<i>Mangifera indica</i>		Abundant	Abundant			Nil	Stem / Fuits	

**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					
Sheep	Bhed	<i>Ovis aries</i>	Local	small size, rough coat	Flock rearing	Least concern	Least concern	mutton, wool, manure	Yes	Yes	Bones, skin and gutt	Locals and nomads
Sheep	do	do	Rambouillet cross	large size, fine wool	do	do	do	do	do	do	do	do
Goat	Bakri	<i>Capra hirus</i>	Local	small size, low body weight	Flock rearing	Least concern	Least concern	Chevon, hair, manure	do	do	do	do
Goat	do	do	beetal	large size, high body weight	do	do	do	do	do	do	do	do
Mammals	Kutta	<i>Cannis lupus</i>		-	House	do	do	Guard			-	-
Mammals	Ghorda	<i>Equus Caballus</i>		Large size	Stable	do	do	Transport			Loading purpose	-
Mammals	Bhains	<i>Bubblous Bubalis</i>		Large size	Shed	do	do	Milk			Dairy products	-

### 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					
Indian Major Carps	Catla	<i>Catla catla</i>	IMC	Catla is a fish with large and broad head, a large protruding lower jaw and upturned mouth. It has large, greyish scales on dorsal side and whitish on belly.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Indian Major Carps	Mrigal	<i>Cirrhinus mrigala</i>	IMC	Omnivorous, bilaterally symmetrical and streamlined, head and snout devoid of scales, mouth inferior, barbels absent, cultured mostly in plain areas.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Exotic Carps	Common Carp	<i>Cyprinus carpio</i>	Exotic Carp/ Scale Carp	Omnivorous, body laterally compressed two pair of barbels, dorsal fin long, protrudible mouth and lips are extended like a short tube for sucking up food, hardy in nature.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community

Other details may include mode of catching fish, time of availability, breeding time, feeds 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					
Tree	Khair	<i>Accacia catechu</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Bour	<i>ficus benghalensis</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Chilla	<i>Caseria tomentosa</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Amla	<i>Phyllanthus emblica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Koakoa	<i>Flacourita indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Daronkal	<i>Murraya Koengini</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Dudaya	<i>wrightia parvifolia</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Garna	<i>lannea coromandlica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Jamun	<i>mallotus philippennis</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Kaam	<i>Acacia catechu</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Kambat	<i>Aloe barbanensis</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Kamla	<i>Cassia fistula</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed

Tree	Khair	<i>leucaenia spp</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Kodh	<i>Butea monosperma</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Krongal	<i>Acacia modesta</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Lucenia	<i>Wendlandia spp</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Plah	<i>Sapindus mukortossi</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Phulai	<i>Dodonaee viscodia</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	panasara	<i>Albezzia spp</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Reetha	<i>Bombax ceiba</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Santa	<i>dalbergia</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	sarri	<i>Erythrina spp</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Talli	<i>Dalbergia sisso</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Thub/Dudhruk	<i>Erythrina spp.</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Balugar	<i>Bauhinia Vahili</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Chuindi	<i>Xylosma Lingifolium</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Kral	<i>Grewia optiva</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed

Tree	Dhaman	<i>ficus hispida</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Badh	<i>Ficus religiosa</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Bilan	<i>Terminilia bellirica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Gandila	<i>Aegle marmelous</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Gulmorh	<i>Delonix regia</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Oanni	<i>Lyonia ovalifia</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Rumble	<i>Ficus recemosa</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicine Use	Self observed
Tree	Draink	<i>Melia azedarach</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves/Wood			Self observed
Tree	Harad	<i>Terminalia chebula</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Amb	<i>Mangifera indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Soyanjana	<i>Moringa oleifera</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Tunnu	<i>Toona ciliata</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Neem	<i>azadirachta indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Plakh	<i>Ficus virens</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves/Wood			Self observed
Tree	Rehn	<i>Quercus lucotricophora</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Chamar sama	<i>Holoptelea integrifolia</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed

Tree	Lasura	<i>Cordia myxa</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Kassod	<i>senna siamea</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Branked	<i>justicia adhatoda</i>	Shrubs	Sub -tropical	Available	Available	Own Use	Leaves			Self observed
Tree	Khar	<i>Saccharum, begalense</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves			Self observed
Tree	Imli	<i>Tamarandis indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Narsino		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Tai		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Salag		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Kalam/Kalen		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Karmanglu		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Mankarahan		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Banhadam		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Gangara		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Khajoor		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed

### 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	Rati	<i>Abrus precatoris</i>	Wild	Social and Economic	Available
2	Khair	<i>Acacia catechu</i>	Wild	Social and Economic	Available
3	Exitic Acacia	<i>acacia farnesana</i>	Wild	Social and Economic	Available
4	Phulai or fly	<i>Acacia nilotia</i>	Wild	Social and Economic	Available
5	Kikar	<i>Achyranthes aspera</i>	Wild	Social and Economic	Available
6	Parkanda	<i>Aegle marmelous</i>	Wild	Social and Economic	Available
7	Bel	<i>Aerva sanguinolenta</i>	Wild	Social and Economic	Available
8	Nuriya	<i>agave americian</i>	Wild	Social and Economic	Available
9	Ramban	<i>Albiuzzia procera</i>	Wild	Social and Economic	Available
10	Kala siris	<i>aloe barbandensis</i>	Wild	Social and Economic	Available
11	Kramblu	<i>Amaranthus viridis</i>	Wild	Social and Economic	Available
12	Safed Siris	<i>Artemisia parviflora</i>	Wild	Social and Economic	Available
13	Kwad Gandal	<i>artocarpus heterophyllus</i>	Wild	Social and Economic	Available
14	Chaleri Saag	<i>Arundo donax</i>	Wild	Social and Economic	Available
15	kathal	<i>Bambusa bamboos</i>	Wild	Social and Economic	Available
16	Nad	<i>Bambusa nutans</i>	Wild	Social and Economic	Available
17	Neem	<i>Bahunia vahlii</i>	Wild	Social and Economic	Available
18	bamboo	<i>Bauhnia vahlii</i>	Wild	Social and Economic	Available
19	bamboo	<i>Bahunia variegata</i>	Wild	Social and Economic	Available
20	kachnar	<i>Bombax ceiba</i>	Wild	Social and Economic	Available
21	baloonger	<i>Broussonetia papyrifera</i>	Wild	Social and Economic	Available
22	kachnar	<i>Butea monosperma</i>	Wild	Social and Economic	Available
23	Simbal	<i>Cannabis sativa</i>	Wild	Social and Economic	Available
24	Jungli toot	<i>Caseria tometosa</i>	Wild	Social and Economic	Available
25	Plaah	<i>Cassia fistula</i>	Wild	Social and Economic	Available
26	Bhang	<i>Catunaregum spinosa</i>	Wild	Social and Economic	Available
27	Chila	<i>Cenchrus ciliaris</i>	Wild	Social and Economic	Available

28	Krangal	<i>Centella asiatica</i>	Wild	Social and Economic	Available
29	Aajan Grass	<i>Chrysopogon zizanioides</i>	Wild	Social and Economic	Available
30	karun	<i>Cirsium arvense</i>	Wild	Social and Economic	Available
31	Khas khas	<i>Colebrookea oppositifolia</i>	Wild	Social and Economic	Available
32	kapoor	<i>Crateva religiosa</i>	Wild	Social and Economic	Available
33	Bhus	<i>Cuscuta reflexa</i>	Wild	Social and Economic	Available
34	Sanali or Dussa	<i>Cynoglossum lanceolatum</i>	Wild	Social and Economic	Available
35	Barna	<i>Cyperus rotundus</i>	Wild	Social and Economic	Available
36	amer Bel	<i>Dalbergia sissoo</i>	Wild	Social and Economic	Available
37	Shudri	<i>Datura stramonium</i>	Wild	Social and Economic	Available
38	Deela	<i>Dendrocalmus</i>	Wild	Social and Economic	Available
39	Tali	<i>Debdrocalamus annulatum</i>	Wild	Social and Economic	Available
40	Dhatura	<i>Dicliptera bupleuroides</i>	Wild	Social and Economic	Available
41	Baans	<i>Dioscorea melanophyma</i>	Wild	Social and Economic	Available
42	palain	<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
43	Kalu Grass	<i>Dicliptera bupleurooides</i>	Wild	Social and Economic	Available
44	Santha	<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
45	Chamror	<i>Ehretia acuminata</i>	Wild	Social and Economic	Available
46	Dhol Dhak	<i>Erythrina suberosa</i>	Wild	Social and Economic	Available
47	safeda	<i>Eucalyptus teretecornis</i>	Wild	Social and Economic	Available
48	Thor	<i>Ficus auriculata</i>	Wild	Social and Economic	Available
49	Trimbal	<i>Ficus benghalensis</i>	Wild	Social and Economic	Available
50	Bohr	<i>Ficus religiosa</i>	Wild	Social and Economic	Available
51	Fagora	<i>Flacourtia indica</i>	Wild	Social and Economic	Available
52	Rumble	<i>Flemingia chappar</i>	Wild	Social and Economic	Available
53	badh or Pipal	<i>Gompherna celosiooides</i>	Wild	Social and Economic	Available
54	Kakoa	<i>Grewia optiva</i>	Wild	Social and Economic	Available
55	Kanphuta	<i>Heteropogon contortus</i>	Wild	Social and Economic	Available
56	Dhaman	<i>Jasminum officinale</i>	Wild	Social and Economic	Available
57	Lamb Grass	<i>Jatropha curcas</i>	Wild	Social and Economic	Available
58	Aakh	<i>Justicia adhatoda</i>	Wild	Social and Economic	Available
59	Kharpoway	<i>Lannea coromandelica</i>	Wild	Social and Economic	Available
60	Chameli	<i>Lantana camera</i>	Wild	Social and Economic	Available
61	Ratanjot	<i>Lathyrus sativus</i>	Wild	Social and Economic	Available
62	Brenker	<i>Mallotus philippensis</i>	Wild	Social and Economic	Available
63	Kembal	<i>Malvastreum coromandelianum</i>	Wild	Social and Economic	Available
64	panjphuli	<i>Lantana camara</i>	Wild	Social and Economic	Available
65	Mithu grass	<i>Melia azedarach</i>	Wild	Social and Economic	Available

66	kamila	<i>Mitragyna parvifolia</i>	Wild	Social and Economic	Available
67	baryar	<i>Morus alba</i>	Wild	Social and Economic	Available
68	Aam	<i>Murraya koenigiffi</i>	Wild	Social and Economic	Available
69	drehnk	<i>Snerium oleander</i>	Wild	Social and Economic	Available
70	Kaam	<i>Loea europaea</i>	Wild	Social and Economic	Available
71	Toot	<i>Cuspidata</i>	Wild	Social and Economic	Available
72	Drenkri	<i>Opuntia elator</i>	Wild	Social and Economic	Available
73	gandila	<i>Oroxylum indicum</i>	Wild	Social and Economic	Available
74	Chitter	<i>Pennisetum pedicellatum</i>	Wild	Social and Economic	Available
75	Congress grass	<i>Phoenix sylvestris</i>	Wild	Social and Economic	Available
76	Deena nath grass	<i>Phyllanthus emblica</i>	Wild	Social and Economic	Available
77	Napier grass	<i>Pinus roxburghii</i>	Wild	Social and Economic	Available
78	Kahjoor	<i>Puplia lappacea</i>	Wild	Social and Economic	Available
79	amta	<i>Reinwarddtia indica</i>	Wild	Social and Economic	Available
80	Chir	<i>Pinus roxburghii</i>	Wild	Social and Economic	Available
81	daduni	<i>Saccharum bengalense</i>	Wild	Social and Economic	Available
82	jojra	<i>Saccharum spontaneum</i>	Wild	Social and Economic	Available
83	basant panchmi	<i>Sapindus mukorossi</i>	Wild	Social and Economic	Available





### Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Rati	<i>Abrus precatorius</i>			
2	Exotic acacia	<i>Acacia farnesiana</i>			
3	Parkhanda	<i>Achyranthes aspera</i>			
4	Bel	<i>Aegle marmelos</i>			
5	Nuriya	<i>Areva sanguinolents</i>			
6	Ramban	<i>Agave americana</i>			
7	Kala Siris	<i>Albizia lebbeck</i>			
8	Kramblu	<i>Albizia odoratissima</i>			
9	Safed siris	<i>Albizia procera</i>			
10	chaleri saag	<i>Amaranthus viridis</i>			
11	seski	<i>Artemisia parviflora</i>			
12	kathal	<i>Artocarpus heterophyllus</i>			
13	Neem	<i>Azadirachata indica</i>			
14	Bamboo	<i>Bambusa bambos</i>			
15	Bamboo	<i>Bambusa nutans</i>			
16	Baloonger	<i>Bauhinia vahlii</i>			
17	Kachnar	<i>Bauhinia variegata</i>			
18	Simbal	<i>Bambax ceiba</i>			
19	jungli toot	<i>Broussonetia papyrifera</i>			

20	Plaaah	<i>Butea monosperma</i>			
21	Bhang	<i>Cannabis sativa</i>			
22	Ganra	<i>Carissa spinosa</i>			
23	chilla	<i>Casearia tomentosa</i>			
24	Krangal	<i>Cassia fistula</i>			
25	Mainphal	<i>Catunaregum spinosa</i>			
26	aajan grass	<i>Cenchurus ciliaris</i>			
27	brahmi buti	<i>Centella asiatica</i>			
28	karun	<i>Chenopodium murale</i>			
29	khas khas	<i>Chrysopogon zizianides</i>			
30	kapoor	<i>Cinnamomum camphora</i>			
31	bhus	<i>Cirium arvense</i>			
32	Sanali or dussa	<i>Colebrookea oppositifolia</i>			
33	Safeda	<i>Corymbia citriodora</i>			
34	Kamal	<i>Nelumbo nucifera</i>	Wild	Food	
35	Akk	<i>Ipomea cornea</i>			
36	Barrian	<i>Acorus calamus</i>	Wild	Medicinal Value	
37	Sarankh				
38	Pantra				

**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					
Tree	Khair	<i>Acacia catechu</i>	Wild	Sub-Tropical	Available	Available					
Tree	Phulai or fly	<i>Acacia modesta</i>	Wild	Sub-Tropical	Available	Available					
Tree	Kikar	<i>Acacia nilotica</i>	Wild	Sub-Tropical	Available	Available					
Tree	Parkanda	<i>Achyranthes aspera</i>	Wild	Sub-Tropical	Available	Available					
Tree	Bel	<i>Aegle marmelos</i>	Wild	Sub-Tropical	Available	Available					
Tree	Kramblu	<i>Albizia odoratissima</i>	Wild	Sub-Tropical	Available	Available					
Tree	Neem	<i>Azadirachata indica</i>	Wild	Sub-Tropical	Available	Available					
Tree	Simbal	<i>Bambax ceiba</i>	Wild	Sub-Tropical	Available	Available					
Shrubs	Bhang	<i>Cannabis sativa</i>	Wild	Sub-Tropical	Available	Available					
Shrubs	Garna	<i>Carissa spinosa</i>	Wild	Sub-Tropical	Available	Available					
Tree	Krangal	<i>Cassia fistula</i>	Wild	Sub-Tropical	Available	Available					
Herbs	Khas khas	<i>Chrysopogon zizianides</i>	Wild	Sub-Tropical	Available	Available					
Tree	Kapoor	<i>Cinnamomum camphora</i>	Wild	Sub-Tropical	Available	Available					

Tree	Fagora	<i>Ficus palmata</i>	Wild	Sub-Tropical	Available	Available					
Tree	Rumble	<i>Ficus racemosa</i>	Wild	Sub-Tropical	Available	Available					
Tree	Toot	<i>Morus alba</i>	Wild	Sub-Tropical	Available	Available					
Shrubs	Drenkeri	<i>Murraya koenigii</i>	Wild	Sub-Tropical	Available	Available					
Tree	Khajoor	<i>Phoenix sylvestris</i>	Wild	Sub-Tropical	Available	Available					
Tree	Amla	<i>Phyllanthus emblica</i>	Wild	Sub-Tropical	Available	Available					
Tree	Reetha	<i>Sapindus mukorossi</i>	Wild	Sub-Tropical	Available	Available					
Tree	Jamun	<i>Syzygium cumini</i>	Wild	Sub-Tropical	Available	Available					
Tree	Imli	<i>Tamarindus indica</i>	Wild	Sub-Tropical	Available	Available					
Tree	Arjun	<i>Terminalia arjuna</i>	Wild	Sub-Tropical	Available	Available					
Tree	Bahera	<i>Terminalia bellirica</i>	Wild	Sub-Tropical	Available	Available					
Tree	Harar	<i>Terminalia chebula</i>	Wild	Sub-Tropical	Available	Available					
Herbs	Giloe	<i>Tinospora sinensis</i>	Wild	Sub-Tropical	Available	Available					
Tree	Neem	<i>Azadirachata indica</i>	Wild	Sub-Tropical	Available	Available					
Tree	Arjun	<i>Terminalia arjuna</i>	Wild	Sub-Tropical	Available	Available					
Tree	Sree	<i>Albizzia lebbbeck</i>	Wild	Sub-Tropical	Available	Available					
Tree	Mango	<i>Mangifera indica</i>	Wild	Sub-Tropical	Available	Available					

**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					
Chalari Saag	<i>Amaranthus viridis</i>		Sub-Tropical	Available	Available					
Jangli Putna	<i>Mentha arvensis</i>		Sub-Tropical	Available	Available					
Sochal	<i>Malva neglecta</i>	Agricultural crop	Sub-Tropical	Available	Available	Food	Leaves	Medicinal value	Used as vegetable	Local
Knaa			Sub-Tropical	Available	Available				Used as vegetable	Local

**Format 24: Ornamental Plants**

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial/Non-commercial	Associated Tk	Other Details	Community/ Knowledge Holder
Kachnar	<i>Bauhinia Variegata</i>		Terrestrial	Non commercial	Used for Dysentery, Diarrhoea	Pink flowers in Summer	Floriculturists/ Nurserymen/Gardeners
			Subtropical				
Nerium	<i>Nerium Oleander</i>		Terrestrial	Non commercial	Epilepsy, cancer	Avenue plantation	Floriculturists/ Nurserymen/Gardeners
			Subtropical				
Kaner	<i>Thevetia Peruviana</i>		Terrestrial	Non commercial	Fevers	Flower most of the year	Floriculturists/ Nurserymen/Gardeners
			Subtropical				
Bottle Brush	<i>Callistemmon spp.</i>		Terrestrial	Non commercial	Therapeutic uses	Foilage and flowers	Floriculturists/ Nurserymen/Gardeners
			Subtropical				
Bogan Bael	<i>B.Sp &amp; hybrids</i>		Terrestrial	Non commercial	Antidiabetic, antiinflammatory	Multicoloured flowers	Floriculturists/ Nurserymen/Gardeners
			Subtropical				
Agave	<i>Agave angustifolia</i>		Terrestrial	Non commercial	Traditional medicines	Succulent	Floriculturists/ Nurserymen/Gardeners
			Subtropical				

**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					
	Khair	<i>Acacia catechu</i>			Rare	Rare		Leaves			
	Phulai or Fly	<i>Acacia modesta</i>			Rare	Rare		Leaves			
	Kikar	<i>Acacia nilotica</i>			Rare	Rare		Stem			
	Parkanda	<i>Achyranthes aspera</i>			Rare	Plenty		Leaves			
	Bel	<i>Aegle marmelos</i>			Plenty	Plenty		Branches			
	Kramblu	<i>Albizia odoratissima</i>			Rare	Rare		Branches			
	Neem	<i>Azadirachata indica</i>			Rare	Rare		Branches			
	Jungli toot	<i>Broussonetia papyrifera</i>			Rare	Rare		Branches			
	Bhang	<i>Cannabis sativa</i>			Plenty	Plenty		Branches			
	Garna	<i>Carissa spinarum</i>			Rare	Rare		Branches			
	Bhrami buti	<i>Centella asiatica</i>			Rare	Rare		Branches			
	Khas khas	<i>Chrysopogon zizanoides</i>			Rare	Rare		Branches			
	Kapoor	<i>Cinnamomum camphora</i>			Rare	Rare		Branches			
	Amar bel	<i>Cuscuta reflexa</i>			Rare	Rare		Branches			
	Tali	<i>Dalbergia sissoo</i>			Plenty	Plenty		Branches			
	Fagora	<i>Ficus palmata</i>			Rare	Rare		Branches			
	Rumble	<i>Ficus racemosa</i>			Rare	Rare		Branches			
	Kakoa	<i>Flacourtia indica</i>			Rare	Rare		Branches			
	Dhaman	<i>Grewia optiva</i>			Plenty	Plenty		Branches			



	Aam	<i>Mangifera indica</i>			Plenty	Plenty		Leaves			
	Toot	<i>Morus alba</i>			Plenty	Plenty		Leaves			
	Drenkeri	<i>Murraya koenigil</i>			Plenty	Plenty		Leaves			
	Khajoor	<i>Phoenix sylvestris</i>			Rare	Rare		Leaves			
	Amla	<i>Phyllanthus emblica</i>			Rare	Plenty		Leaves			
	Reetha	<i>Sapindus cumini</i>			Rare	Rare		Branches			
	Jamun	<i>Syzygium cumini</i>			Plenty	Plenty		Branches			
	Imli	<i>Tamarindus indica</i>			Rare	Rare		Branches			
	Bahera	<i>Terminalia bellirica</i>			Rare	Rare		Branches			
	Harar	<i>Terminalia chebula</i>			Rare	Rare		Stem			
	Giloe	<i>Tinospora sinensis</i>			Rare	Rare		Stem			

**Format 26: Timber Plants**

1	2	3	4		5	6	7	8
Local Name	Scientific Name	Habitat	Local Status		Other Uses, if any	Associated TK	Other Details	Community/ Knowledge Holder
			Past	Present				
Khair	<i>Acacia catechu</i>							
Exotic acacia	<i>Acacia farnesiana</i>							
Safed siris	<i>Albizia Procera</i>							
Safeda	<i>Corymbia citriodora</i>							
Talli	<i>Dalbergia sissoo</i>							
Jamun	<i>Syzygium cumini</i>		Abundant	Abundant				
Tooth	<i>Morus alba</i>		Abundant	Abundant				
Phulai	<i>Acacia modesta</i>		Rare	Rare				
Simbal	<i>Bombax ceiba</i>		Rare	Rare				
Draink	<i>Melia azedarach</i>		Abundant	Abundant				
Tunu	<i>Toona ciliata</i>	Sub-tropical	Rare	Rare	Furniture	Wild	Wood used for Furniture	Self Observed
Lucini	<i>Leucaena leucocephala</i>		Rare	Rare				
Arjun	<i>Terminalia arjuna</i>		Rare	Rare				









Format 29: Flora				URBAN BIODIVERSITY			
1	2	3	4	5	6	7	8
S.No.	Local Name	Scientific Name	Type of Plant	Habitat	Flowering Season	Rare/Common	Remarks (Rare / Common etc.)
1.	Gutta	<i>Tagetes Patula</i>	Herbs Seasonals	Terrestrial/Subtropical	Grows round the year	Common	
2.	Gulab	<i>Rosa spp</i>	Herbs Seasonals	Terrestrial/Subtropical	Perennial flower	Common	
3.	Guldaudi	<i>Chrysanthemum spp.</i>	Herbs Seasonals	Terrestrial/Subtropical	Winter flower	Common	
4.	Guldopahar	<i>Portulaca Grandiflora</i>	Herbs Seasonals	Terrestrial/Subtropical	Summer flower	Common	
5.	Dalia	<i>Dahlia pinnata</i>	Herbs Seasonals	Terrestrial/Subtropical	Winter annual flower	Common	

Separate format should be used for road side plantation / Parks and Gardens / Housing estate / Commercial buildings / other institutional areas.

**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.)
1	Catla	<i>Catla catla</i>	<b>Fish</b>	Fresh Warm Water	Common
2	Rohu	<i>Labeo rohita</i>	<b>Fish</b>	Fresh Warm Water	Common
3	Mrigal	<i>Cirrhinus mrigala</i>	<b>Fish</b>	Fresh Warm Water	Common
4	Silver Carp	<i>Hypothalmichthys moltrix</i>	<b>Fish</b>	Fresh Warm Water	Common
5	Grass Carp	<i>Ctenopharygodon idella</i>	<b>Fish</b>	Fresh Warm Water	Common
6	Common Carp	<i>Cyprinus carpio</i>	<b>Fish</b>	Fresh Warm Water	Common

**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 31: Any other information of local importance**

1	2	3
Sr. No.	Information of local importance	Remarks