

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti:** Saharan

**Taluk:** Marh

**District:** Jammu

**State/UT:** J&K

**Geographical Area of the Panchayat Samiti:** 407.53 Hectares

**Population under the Panchayat Samiti:** 2500

**Male:** 1325      **Female:** 1175

**Habitat and Topography:** Plain

**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:** 12-06-2022

**Management Regime:** Reserve Forest (RF)/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed F

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<b>Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated body ; not less than one third to be women and not less than 18% belonging to SC/ST)</b>
<b>1) Name of the Chairperson:</b> Shama Kumari <b>W/o Sham Lal Contact No. 9622100295</b>
<b>Age:</b> 42
<b>Gender:</b> Female
<b>Address:</b> Saharan
<b>Area of specialization:</b> Social Worker
<b>2) Name:</b> Renu Bala
<b>Age:</b> 40
<b>Gender:</b> Female
<b>Address:</b> Saharan
<b>Area of specialization:</b> Nil
<b>3) Name:</b> Asha Rani
<b>Age:</b> 32
<b>Gender:</b> Female
<b>Address:</b> Saharan
<b>Area of specialization:</b> Nil
<b>4) Name:</b> Raj Kumari
<b>Age:</b> 47
<b>Gender:</b> Female
<b>Address:</b> Saharan
<b>Area of specialization:</b> Nil
<b>5) Name:</b> Shiv Raj Singh
<b>Age:</b> 60
<b>Gender:</b> Male
<b>Address:</b> Saharan
<b>Area of specialization:</b> Nil
<b>6) Name:</b> Sham Lal
<b>Age:</b> 52
<b>Gender:</b> Male
<b>Address:</b> Saharan
<b>Area of specialization:</b> Nil
<b>7) Name:</b> Joginder Singh
<b>Age:</b> 41
<b>Gender:</b> Male
<b>Address:</b> Sari Rakhwalan
<b>Area of specialization:</b> Social Worker

<b>List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources within the jurisdiction of the village</b>
<b>1) Name:</b> Randir Singh Pawar, 9419181743
<b>Age:</b>
<b>Gender:</b> Male
<b>Address:</b> Saharan
<b>Area of Specialization:</b> Pharmacist
<b>Location from which the person accesses biological material:</b>
<b>Perception of the practitioner on the resource status:</b>
<b>Medicinal use:</b>
<b>2) Name:</b>
<b>Age:</b>
<b>Gender:</b>
<b>Address:</b>
<b>Area of Specialization:</b>
<b>Location from which the person accesses biological material:</b>
<b>Perception of the practitioner on the resource status:</b>
<b>Medicinal use:</b>
<b>3) Name:</b>
<b>Age:</b>
<b>Gender:</b>
<b>Address:</b>
<b>Area of specialization:</b>
<b>Location from which the person accesses biological material:</b>
<b>Perception of the practitioner on the resource status:</b>
<b>Medicinal Use:</b>

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

1) Name: Tara Chand, 7051333462

Age: 80

Gender: Male

Address: Saharan

Area of specialization: Agriculture

2) Name: Raj Singh, 9419610787

Age:

Gender: Male

Address: Saharan

Area of specialization: Forest Guard

3) Name: Deepak Kumar S/o Gyan chand

Age:52

Gender: Male

Address: Rattanpur

Area of specialization: Agriculture

4) Name:Deepak Singh S/o Onkar Singh

Age:60

Gender:Male

Address:Saharan

Area of specialization: Fisheries

**Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals preparation of the PBR**

**1) Contact Person:**

**Name and Address:** Suresh Kumar , 9419359690, C/O Agriculture Office Marh

**2) Contact Person:**

**Name and Address:** Anupama Sharma (Education), 9419213517

**3) Contact Person:**

**Name and Address:** Dr Anjan Kour (Animal Husbandry), 9469285404

**4) Contact Person: Spouse of Sarpanch**

**Name and Address: Sham Lal R/o Saharan,Contractor**

**You may add names of more institutions/NGO/Individuals etc, if necessary**

**Annexure 5****Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefit derived and the mode of their sharing**

<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>

*End of Part I*

**Part II  
PBR – Formats  
AGROBIODIVERSITY**

**Format 1: Crop Plants**

1	2	3	4	5	6	7		8	9	10	11	12	13	14
Crop	Scientific Name	Local Name	Description of the variety	Landscape / Habitat	Approx. Area sown(ha)	Local status		Special features	Uses	Associated TK	Other details	Cropping Season	Source of Seeds / Plants	Community / Known. Holder
						Past	Present							
Rice	<i>Oryza sativa</i>	Dhan/ Munji	B-370(Fine & Long duration)	Planes / Low lying Areas		Normal	Normal	Basmati 370 is world wise known for its aroma	Food & Fodder	Provides energy fragrance and taste	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
			Basmati 1121/(Coarse K39 K434 Rattana & Long duration)			Normal	Normal	Medium tall Coarse Grains						
Moong	<i>Vigna radiata</i>	Moong	PDM-54	Hot / Humid of Sub tropical region		Normal	Rare	Medium	Food	Source of Vegetable Protein	Also suitable for green Manuring	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
			SML-668			Normal	Plenty	High yielding Variety						
			IPM-0203			Normal	Rare	Excessive vegetative growth						
Beira	<i>Pennisetum</i>	Beira	Local Variety	Warm / Humid climate under		Normal	Normal	Tall & low Yielding	Food & Fodder	Source of		Kharif (May to	Farmers / Department/	Farmers

<b>Dajra</b>	<i>americanum</i>	Dajra	MHB-110	Climate under Sandy loam Soil		Normal	Normal	variety	Food & Fodder	Energy	-	(May to October)	Private Suppliers	Farmers
<b>Wheat</b>	<i>Triticum aestivum</i>	Kanak	HD2967,PBW644	Cool Climate during early part of its growth		Plenty	Plenty	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/Bread making	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Peas</b>	<i>Pisum sativum</i>	Matar	Rachna	Cool & dry		Normal	Normal	Early maturing & High yielding	Food	Source of Protein/Energy	Used as Vegetable	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Onion</b>	<i>Allium cepa</i>	Ganday	nasik Red, Red Coral, Monsanto And Local Spp.	local Planee areas		Abundant	Abundant	Bulbs Cash Crop	Vegetables	Vegetable	Staple Vegetable food	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Mustard</b>	<i>Brassica juncea/ Brassica compestris</i>	Sarson	Pusa Bold/ KOS -1	Cool & dry		Normal	Normal	Matures in 145-150 days with 40-42 % oil content	oil for Food	Source of energy i	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Gobhi Sarson</b>	<i>Brassica napus</i>	Gobhi Saria	GSL-1,DGS-1,Local	Cool & dry		Normal	Abundant	Annual Herb,yellow flowers bearing Pods	oil for Food,leaves used as vegetable	Source of energy i,calcium,copper,potassium	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Private Suppliers	Farmers



<b>Linseed</b>	<i>Linum usitatissimum</i>	Alsi	LC 54	Cool & dry		Normal	Normal	Medium duration	Food & fiber	Source of energy in the shape of Oil	Medicinal, industrial & domestic use	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Potato</b>	<i>Solanum tuberosum</i>	Aalo	Kufri Sindhuri, Kufri Badsha, local	Potato is an herbaceous annual, requires cool weather, mostly rainfed conditions		Abundant	Abundant	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable, chips etc	-	High carbohydrate, provide high n energy value	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Toria</b>	<i>Brassica jrape cv. Toria</i>	Toria	RSPT-1, RSPT-2, Local var.	Cool & dry with bright sunshine		Normal	Normal	Short duration Annual Herb	oil for preparation of Food	Source of energy i, calcium, copper, potassium	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	Farmers / Department/ Private Suppliers	Farmers
<b>Sugarcane</b>	<i>Saccharum officinarum</i>	Ganna	COJ-64, COJ-81	Sub Tropical		Rare	Rare	Long duration crop for Nine months	Food	Source of energy in the shape of Gur/Sugar	Sugar cane Juice used as preferred drink for instant source of energy during summer besides beating heat	Spring season	Farmers / Department/ Private Suppliers	Farmers
<b>Chilli</b>	<i>Capsicum spp</i>	Mirchi	Pusa Jawala, CH-1	Tropical/sub tropical vegetable, grows well in warm humid conditions		Abundant	Abundant	Pungency and flavor	Used as spice, medicinal value	-	Contains good amount of vitamin A&C	winter season	Farmers / Department/ Private Suppliers	Farmers

<b>Tomato</b>	<i>Solanum lycopersicum</i>	Tamater	Pusa rubi,Pusa early dwarf, Manisha Plus/local	Warm season crop		Abundant	Abundant	Stems are woody and weak, and tend to vine over other types of plants.	Used as vegetable ,salad, soup,Souce	rich source of Ascorbic acid	<b>Tomatoes</b> are also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Okra</b>	<i>Abelmoschus esculentus</i>	Bindi	Varsha uphar, Arka Anamika	Tropica/sub tropical vegetableHot and humid climate		Abundant	Abundant	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dietary fibers,protein and carbohydrates	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
<b>Cucumber</b>	<i>Cucumis sativus</i>	Kheera	Kheera local,JL	Grows in all climatoic conditions,Tropical,Sub tropical &temprate		Abundant	Abundant	climbing annual bearing elongated thick cylindrical fruit	Mainly used as salad	-	It also used as antipyretic and causing cooling effect	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
<b>Bottle gourd</b>	<i>Lagenaria siceraria</i>	Lokki	PSPL/Punjab Long	Summer &rainy season crop		Abundant	Abundant	Vines vigrous, profusly branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/ kharif	Farmers / Department/ Private Suppliers	Farmers
<b>Bitter gourd</b>	<i>Momordica charantia</i>	karela	Pusa Domausmi/Kundan	Warm and Humid climate		Abundant	Abundant	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maitaining low suger level	Summer/ kharif	Farmers / Department/ Private Suppliers	Farmers

<b>Beans</b>	<i>Phaseolus Spp.</i>	Phaliya	Contender	Cool weather crop/Sandy/loamy soil		Abundant	Abundant	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High value protein, Vitamine B1, B2, B6 and Manganese	Summer season	Farmers / Department/ Private Suppliers	Farmers
<b>Cauliflower</b>	<i>Brassica oleraceae var. botrytis</i>	Fol gobi	Pusa snow ball, Pusa Katki, local Girja	Both sub tropical & intermediate		Abundant	Abundant	White and tender head, curd formed from shortened flower part	Curd Mainly used as vegetable	-	Also good source of protein, carbohydrate, phosphorus & iron	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Cabbage</b>	<i>Brassica oleraceae var. capitata</i>	Band gobi	Golden Acre, Pride of India, Green Flesh	Both sub tropical & intermediate		Abundant	Abundant	Round head with light to dark green colour	Head Mainly used as vegetable, salad	-	Also good source of protein, carbohydrate, phosphorus & iron	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Knol khol</b>	<i>Brassica oleraceae var. gongylodes</i>	Kadam	White vienna, Purple vienna	cool & moist climate/sub tropical		Abundant	Abundant	Swollen stem, green/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	-	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Spinach</b>	<i>Beta vulgaris</i>	Palak	All Green, Delta	Cool season Crop, thrives well on well drained loam soils		Abundant	Abundant	Tender green leaves & root used as Vegetable	Tender green leaves used as leafy Vegetable	-	Vitamins A and C, fiber, folic acid, and other nutrients	Rabi	Farmers / Department/ Private Suppliers	Farmers

<b>Radish</b>	<i>Raphanus sativus</i>	Mulli	Japanes White Koren Etc	Cool season Crop, thrives well on well drained Sandy loam soils		Abundant	Abundant	Tender green leaves & roots used as Vegetable	Modified Roots are used as Vegetabke & Salad	-	Full of vitamin A, C, E, B6, potassium, and other minerals,	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Carrot</b>	<i>Daucus carota</i>	Gajer	Pusa Kesar,local	Cool &moist climate/ sub tropical& intermedite		Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable, Salad, Juice, Sweet Dish, Preserve etc.	-	Good source of carotene, , lutein, and zeaxanthin. Vit A,C,B6,Folic acid	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Turnip</b>	<i>Brassica rapa</i>	Gunglu /Shalgam	PTWG/Local	Cool &moist climate/sub tropical&intermediate		Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable ,Salad,,	-	Good source of Vit.C,Dietary Fiber &Potassium	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Exocitic Vegetables</b>	<i>Broccoli// Chines Cabbage / Capsccum etc.</i>		Prevelent Hybrid varieties	Cool &moist climate/sub tropical&intermediate		Rare	Abundant	All Plants parts and Fruits are eatable Rich Source of antioxidants	Salad and Vegetable		Rich Source of Multivitamins, Minerals and Antioxidants	Rabi	Farmers / Department/ Private Suppliers	Farmers
<b>Garlic</b>	<i>Allium sativum</i>	Thoom	Local Variety	Cool &moist climate		Abundant	Abundant	Bulb	Used as vegetable &spice		Rich source of Vitamin C,B6,Mn	Rabi	Farmers / Department/ Private Suppliers	Farmers

Coriander	<i>Coriandrum sativum</i>	Taniya	Prevalent hybrid varieties	Cool &moist climate		Abundant	Abundant	Leaves are eatable	Leaves are used as vegetable &seeds used as spice	Leaves are used for fragrance in dishes	Rich source of Vitamin A,C,dietary fibre,iron Mn etc	Rabi	Farmers / Department/ Private Suppliers	Farmers
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**Format-2 : Fruit Plants**

1	2	3	4	5	6		7	8	9	10	11
Plant	Scientific Name	Local Name	Variety	Landscape /Habitat	Local Status		Source of Seeds / Plants	Season of fruiting	Associated TK	Uses	Other Details markt / own use
					Past	Present					
Guava	<i>Psidium guajava</i>	Amrood	Local, L49 etc.	Tree, Regular Bearing	Plains, Lower Hills	Plenty	Nurseries	Jul - Aug	Fruit		Marketing, Own Use
Mango	<i>Mangifera indica</i>	Amb	Desi, Dusheri, Malta	Alternate Bearing	Plains	Plenty	Nurseries	Jun-Aug	Fruit, Pickle, Preserves		Marketing, Own Use
Citrus Fruit	<i>Citrus spp.</i>	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	Local Selection, Kagzi Lime etc.	Tree, Regular Bearing	Plains, mid hills	Plenty	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc		Marketing, Own Use
Litchi	<i>Litchi chinensis</i>	Litchi	Culcatta, Dehradun	Tree, Regular Bearing	Plains	Plenty	Nurseries	Jul - Aug	Fruit		Marketing

<b>12</b>
<b>Community /Knowledge Holder</b>





**Format-4 : Weeds**

1	2	3	4	5	6	7	8		9	10	11	12	13
S. No.	Plant	Scientific Name	Local Name	Affected Crop	Habit	Landscape/ Habitat	Local Status		Uses if any	Management options	Associated TK	Other details	Community Kn. Holders
							Past	Present					
1	Barnyard Grass	<i>Echinochloa crusgalli</i>	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers
2	Carrot grass	<i>Parthenium hysterophorus</i>	Congress Grass	Gardens & sugarcane ratoon crops & other crops	Annual	Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage		Farmers
3	Pig Weed	<i>Amaranthus viridis</i>	Jangli Choulai/Chaleri	Rice, Maize & sugarcane	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein & amino acid	Also Used as medicinal herb	Farmers
4	Lamb's quarters	<i>Chenopodium album</i>	Bathua/ Kanah/Wild Spinach	Wheat, Pea, Potato	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein, Vit. A, Calcium, Phosphorous & potash	Annual feed & fermentation of Beverages	Farmers
5	Nut Grass	<i>Cyperus rotundus</i>	Dilla/Motha	Paddy, maize, sugarcane, vegetable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Traditionally used as medicine	Farmers
6	Bur Clover	<i>Medicago denticulata</i>	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder, vegetable & green manure	Mechanical, Chemical	Nil	Improves Soil fertility	Farmers
7	Canary Grass	<i>Phalaris minor</i>	Sitti/gilli danda	Wheat Grass Peas, mustard	annual	Agri. Land	Abundant	Abundant	Fodder & forage	Mechanical, Chemical	Source for High quality protein	Agri. Land	Farmers

8	Meadow Pea	<i>Lathyrus aphaca</i>	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers
9	Canada Thistle	<i>Cirsium arvense</i>	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
10	Bang	<i>Cannabis indica</i>	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
11	Chickweed	<i>Ageratum conyzoides</i>	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
12	Dub Grass	<i>Cynodon dactylon</i>	Khbbi	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fodder	Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
13	Wild oats	<i>Avena fatua</i>	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
14	Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
15	Jhonson Grass	<i>Sorghum halepense</i>	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers

**Format-5: Pests of Crops**

1	2	3	4	5	6	7	8	9	10	11
S. No.	Insect /Animal	Scientific Name	Local Name	Habit	Habitat	Time/Season of Attack	Management Mechanism	Associated TK	Other details	Community Kn. Holders
1	Mustard aphid	<i>Lipaphis erysimi</i>	Aphid	Sucking pest	Attacks mustard & other cucurbit crops	Dec-March	Timely sowing of crop & Chemical, Biological & Mechanical	-	Major threat to oil seed crops of Rabi	Farmers
2	Termite	<i>Microtermes obesi/ Odontotermes obesus</i>	Telle	Chewing & biting	Wheat & other crops	Nov-May	Cultural & Chemical measures	-	Major threat to unirrigated crops	Farmers
3	Blister beetle	<i>Mylabris spp.</i>	Ghori	Chewing & biting	Attacks Maize, Bhindi & Pulses	June-Oct	Mechanical& Chemical measures	-	Insectivorous feed on grasshopper	Farmers
4	Cereal leaf Beetle	<i>Oulema melanopus</i>		Chewing & biting	Attacks Maize	Aug-Sep	Chemical measures	-	Most recent occurrence	Farmers
5	Red Pumpkin Beetle	<i>Raphidopalpa foveicollis</i>	Lal Kaddu Beetle	Chewing & biting	Cucurbits	March-Oct	Chemical measures	-	Most common in fields of Cucurbits	Farmers
6	Cucurbits fruit fly	<i>Bactrocera cucurbitae</i>	Melon fly	Chewing & biting	Attacks Pumpkin, cucumber & gourds	Throughout the year	Mechanical & Chemical, Pheronon trap	-	Danger to all cucumber crops	Farmers
7	Maize stem Borer	<i>Chilo partellus</i>	Sundi /Tana-shedak	Chewing & biting	Attacks Maize, sorghum , Bajra & sugarcane	July to sept	Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers

8	Grasshopper	<i>Hygro blasses Negro / Hieroglyphus nigropletus</i>	Tidi	Maize and Paddy	Maize, Paddy, Jojr Bajra	July to sept	Mechanical& Chemical measures	-	Eats leaves	Farmers
9	Rice Gandi Bug	<i>Leptocoris acuta</i>	Gandi Bug	Paddy	Paddy at milking stage	July to Oct.	Mechanical& Chemical measures	-	Pierce the grains at milking stage	Farmers
10	Army worm	<i>Spodoptera Frugiperda</i>	Caterpillar	All Crops	Defoliates Major crops	Throughout the year	Mechanical& Chemical measures	-	Defoliates all crops	Farmers
11	Leaf Floder	<i>Cnaphalocrocis medinalis</i>	Caterpillar	Feeds on leaves and stem	Attacks on Paddy Leaves	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
12	Stem Borer	<i>Scirpophaga incertulas</i>	Tana shedat/ Cater pillars	Bores into stem results into dead heart	Crops Plants	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
13	Cut worm	<i>Agrotis ipsilon</i>	Ludi	Cuts stem and leaves	Wheat sorghum maize and other	Throughout the year	Mechanical& Chemical measures	-	Major threats	Farmers
14	White Fly	<i>Aleyrodidae</i>		Sucks the sap of plants	Sobin Bhindi and all pulses crops	April to Oct.	Chemical measures	-	Major threats	Farmers
15	Field rats	<i>Rattus meltada</i>	Chouha	Nocturnal in habit	Attacks all crops	Throughout the year	Mechanical& Chemical measures	-	Lives in burrows opening hidden in bushes	Farmers

16	Monkey	<i>Rhesus macaque</i>	Bander	Attacks agriculture crops	Forest & human habitat	Throughout the year	Traps & chemosterlization	-	Cause extensive damage to almost all crops,attacks humans	general public/ Farmers
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**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
THERE IS NO ORGANISED MARKET IN THE MUNICIPALITY FOR ANY OF THE SPECIES OF ANIMALS LISTED IN FORMAT 15								

**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
2500	Farming & Labour	Animal husbandry	Agricultural	Wheat (Winters), Rice (Summer)	Agriculture	Modern as well as traditional		Middle Class	Permanent Settlers	700

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											
Plain Area			Plains	plantations,cultivated land,ponds	Forest land,Private ,state lands,	Broad leaved mainly	Domestic animals, wildlife such as cow,buffalo etc.	Public,as well as pvt,and Govt also	Traditional as well as modern	Plantation and agriculture	-	-	-

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







**Format 11: Fruit Trees**

1	2	3	4	6	7		8	9	10	11	12	13
Plant	Local Name	Scientific 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						
Mango	<i>Amb</i>	<i>Mangifera indica</i>	Desi, Dushari , Malta	Plains	plenty	plenty	Nurseries	June- August		Fruit,Picking, Preserves	Marketing, own use	
Citrus Fruits	<i>Khatti, Mosambi, santra, Nimbu,</i>	<i>Citrus spp</i>	Local,Kagzi lime, Italian limeHill lemon etc	plains,mid hills	plenty	plenty	Nurseries	throughout year		Fruit, picking Squashes etc.	Marketing, own use	
Litchi	<i>Litchi</i>	<i>Litchi chinensis</i>	Calcutta Dehradun	plains	plenty	plenty	Nurseries	June- August		fruit	Marketing	
Guava	<i>Amrood</i>	<i>Psidium guajava</i>	Local, Allahabadi, Safaida	plains lower hills	plenty	plenty	Nurseries	June- August		fruit	Marketing, own use	
Grapes	<i>Angoor</i>	<i>Vitis vinifera Michx</i>	Local Dakh perlette	plains mid hills	rare	plenty	Nurseries	June- August		fruit		
Amla	<i>Ambla</i>	<i>Emblica officinalls Syn Phyllanthus emblica</i>	local selection NA-7	Plains mid hills	Rare	Rare	Nurseries local collection	Nov- Dec.		picking, fruit juices	Marketing, own use	
Ber	<i>ber</i>	<i>Zizyphus mauritiana lamk</i>	Gola Banarasi	Plains	plenty	plenty	local raised	July- August		fruit	Own use	
Jamun	<i>Jamun</i>	<i>Syzygium cumini</i>	local selection	plains	rare	rare	Nurseries, local raised	July- August		fruit	Own use	
Pomegranate	<i>Anar, Druni</i>	<i>Punica granatum</i>	Ganesh, Kandhari local	plains	rare	rare	Nurseries, local raised, wild	May- August		fruit, anardana	Own use	

Peach	<i>Aaroo</i>	<i>Prunus persica (L) Batsch</i>	July Elberta, quetta	plains mid hills	rare	plenty	Nurseries	June-July		fruit	Marketing, own use	
Strawberry	<i>Strawberry</i>	<i>Fragaria x ananassa Duch</i>	chandler	plains mid hills	rare	plenty	Nurseries	March-April		fruit	Marketing	
Papaya	<i>Papita</i>	<i>Carica papaya</i>	local	plains	rare	plenty	Nurseries, locally raised	August-October		fruit	own use	

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

1	2	3	4	5		6		7	8	9	10	11	12
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat		Local Status		Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
						Past	Present						
Herbs	Dudlu	<i>Taraxacum officinale</i>		Temperate area	Temperate area	Rare	Rare	Root			N.A	N.A	Generally, held by community
Herbs	Jungli putna	<i>Mentha arvensis</i>		Lower shiwalik/Temp erate area	Lower shiwalik/Temp erate area	Abundant	Abundant	Root		Effective in treating digestive problems	N.A	N.A	Generally, held by community
Shrubs	brankad	<i>Adhatoda vasica</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	Seed		Used in indigestion & skin diseases etc	N.A	N.A	Generally, held by community
Shrubs	Drainkdu	<i>Murraya koenigii</i>		Sub-Tropical area	Sub-Tropical area	Rare	Abundant	Seed			N.A	N.A	Generally, held by community
Shrubs	Dussa	<i>Colebrookea oppositifolia</i>		Lower shiwalik	Lower shiwalik	Rare	Rare	Seed			N.A	N.A	Generally, held by community
Shrubs	Thor/Shuu	<i>Euphorbia royleana</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	Seed		Useful intreatment of loose motions	N.A	N.A	Generally, held by community
Shrubs	Bareyan	<i>Acorus calamus</i>		Lower shiwalik	Lower shiwalik	Rare	Rare	Seed		Seeds used for indigestion	N.A	N.A	Generally, held by community
Tree	Bill-Patre	<i>Aegle marmelos</i>		Sub-Tropical area	Sub-Tropical area	Abundant	Abundant	Seed		Unripe fruits used to improve appetite	leaves used in the worship of Lord Shiva	N.A	Generally, held by community
Tree	Drankh	<i>Melia azedarach</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community
Tree	Jaman	<i>Syzygium cumini</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community

Tree	Kakad-Singhi	<i>Pistacia khinjuk</i>		Lower shivalik	Lower shivalik	Rare	Rare	Seed			N.A	N.A	Generally, held by community
Tree	Amb	<i>Mangifera indica</i>		Lower shivalik	Lower shivalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community
Tree	Rumbal	<i>Ficus racemosa</i>		Lower shivalik	Lower shivalik	Abundant	Abundant	Seed		Fruts used against dry cough	N.A	N.A	Generally, held by community
Tree	Sree	<i>Albizia lebbeck</i>		Lower shivalik	Lower shivalik	Abundant	Abundant	Seed		Bark strengthens gums	N.A	N.A	Generally, held by community
Tree	Talli	<i>Dalbergia sissoo</i>		Lower shivalik	Lower shivalik	Abundant	Abundant	Seed		Bark is antihelminthic & antipyretic	N.A	N.A	Generally, held by community
Tree	Trimbal	<i>Ficus auriculata</i>		Lower shivalik	Lower shivalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community
Tree	Tunu	<i>Toona ciliata</i>		Lower shivalik	Lower shivalik	Abundant	Abundant	Seed		Bark is astringent & antipyretic	N.A	N.A	Generally, held by community
Tree	Arjun	<i>Terminalia arjuna</i>		Lower shivalik	Lower shivalik	Rare	Rare	Seed			N.A	N.A	Generally, held by community
Tree	Amla	<i>Emblica officinalis</i>		Lower shivalik	Lower shivalik	Abundant	Abundant	Seed		used in anaemia, stomach complaints	N.A	N.A	Generally, held by community
Tree	Neem	<i>Azadirachta indica</i>		Lower shivalik	Lower shivalik	Abundant	Abundant	Seed		leaves are antihelminthic & insecticidal	N.A	N.A	Generally, held by community
Shrubs	Bhang	<i>Cannabis sativa</i>		Lower shivalik	Lower shivalik	Abundant	Abundant	Seed		leaf juice is useful in dandruff	N.A	N.A	Generally, held by community
Shrubs	Tulsi	<i>Ocimum sanctum</i>		Warm	Moist	Rare	Rare	Seed/Plant		Used to cure cold, cough, sore throat etc	Sacred	Own use	Generally, held by community
Herbs	Kwaadgndl	<i>Aloe barbadensis miller</i>		Sub-Tropical area	Dry	Rare	Rare	Plant		antibacterial, antiviral & antiseptic properties		Own use	Generally, held by community

Climber	Kanduriya	<i>Coccinia grandis</i>		Sub-Tropical area	Dry	Rare	Rare	Seed/Plant		fruits cooked as vegetable	fruit gum is used to cure mouth ulcers	own use	Generally, held by community
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**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	Kiker	<i>Vachellia nilotica</i>	Lower shiwalik	Rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Tree	Amb	<i>Mangifera indica</i>	Lower shiwalik	Abundant	Abundant	Wild/ home-garden	Own	Nil	Nil	Generally, held by community
Tree	Safeda	<i>Eucalyptus spp.</i>	Lower shiwalik	Rare	Abundant	Wild	Commercial	Nil	Nil	Generally, held by community
Tree	Sree	<i>Albizia lebbbeck</i>	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Tunu	<i>Toona ciliata</i>	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Poplar	<i>Populus ciliata</i>	Lower shiwalik	Rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Tree	Jammun	<i>Syzygium cumini</i>	Lower shiwalik	Rare	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Toot	<i>Morus alba</i>	Subtropical	Abundant	Abundant	Wild	Own	Mulberry fruit is eaten	Wood is used for construction purpose	Generally, held by community
Tree	Taman	<i>Grewia optiva</i>	Subtropical	Rare	Rare	Wild	Own	Fodder tree	Wood is used for making furniture etc	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	Gau	<i>Bos indicus</i>	ND	Low yield	stall feeding	Abundant	Decrease	Dairy	Nil	No	Milk	All
	Jersey Gau	<i>Bos taurus</i>	CB Jersey	Dished face	stall feeding / semi intensive	Very few	Increase	Dairy	Nil	yes	Milk	All
	Amrekan Gau	<i>Bos taurus</i>	CB HF	Black and white spot	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Buffalo	Manj	<i>Bubalus bubalis</i>	Local	Low yield	stall feeding	Abundant	Decreased	Dairy	Nil	No	Milk	All
	Punjabi Mais	<i>Bubalus bubalis</i>	Murrah /Graded	Black color body	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Horse	ghoda/koda	<i>Equus caballus</i>	Local	Red color body	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All

Birds	Chakore	<i>Alectoris chukar</i>	Local	black and white stripes ,beak is short, strong, and orange in color	Backyard	few	Decrease	Egg,meat	Nil	Yes	Egg, Meat	All
	Parrot	<i>Psittacula krameri</i>	Local	parrot green in colour with red beak	Backyard	few	Decrease	decorative	Nil	No	Nil	All
	Pigeon	<i>Columba livia</i>	Local	white color , fast growing	Backyard	few	Decrease	decorative	Nil	No	nil	All
Dog	Kutta	<i>Canis familiaris</i>	Local	Nil	Pet ,Stray	Abundant	Abundant	Nil	Nil	No	Nil	All / stray
Cat	Billi	<i>Felis catus</i>	Local	Grey /white color	Pet ,Stray	Abundant	Abundant	pet	Nil	No	Nil	All / stray
Rabbit	Khargosh	<i>Oryctolagus cuniculus</i>	White gaint	white	Pet ,wild	few	few	Pet	Nil	No	Nil	All / wild
Goat	Bakri	<i>Capra hircus</i>	Local	herbivorous ruminant animal	Pet	few	few	Dairy/Meat	Milk is very nutritious	Yes	Milk	All

**Format 16: Culture Fisheries**

1	2	3	4	5	6	7		8	9	10	11	12
Fish Type	Local Name	<i>Scientific Name</i>	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					
Tree	Shisham/Taali	<i>Dalbergia sisoo</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	Local people
Tree	Amla	<i>Emblica officinalis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Fruit	Food processing	-	Local people
Tree	Sree	<i>Albizia lebeck</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	Local people
Tree	Lecunia	<i>Leucaena lencocephala</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	Local people
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	Local people
Tree	Kamila	<i>Mallotus philippensis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	Local people
Tree	Krangal	<i>Cassia fistula</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	Local people
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	Local people
Tree	Plaa	<i>Butea monosperma</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	Local people
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	Local people

Tree	Jamun	<i>Syzygium cumini</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	Local people
Tree	Amb	<i>Mangifera indica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	Local people
Tree	Kiker	<i>Acacia nilotica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	Local people
Tree	Safeda	<i>Eucalyptus</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	Local people
Tree	Bel	<i>Aegle marmelos</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Leaves/ Fruit	-	-	Local people
Grass	Bamboo	<i>Dendrocalamus strictus</i>	Grass	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Sticks	-	-	Local people
Herbs	Bhang	<i>Cannabis sativa</i>	herbs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Leaves	-	-	Local people
Shrub	Jojra	<i>Pupalia lappacea</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	-	-	-	Local people
Shrub	Garna	<i>Carissa spinarum</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	Local people
Shrub	Panjphuli	<i>Lantana camara</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	-	-	-	Local people
Shrub	Gandila	<i>Nerium indicum</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Flower	-	-	Local people
Shrub	Pansar	<i>Wendlandia heynei</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	-	-	-	Local people
Herbs	congress Grass	<i>Parthenium hysterophrous</i>	herbs	Northern/Sub-Tropical	Good	Moderate	-	-	-	-	Local people

Tree	Badh	<i>Ficus religiosa</i>	Tree	Northern/Sub-Tropical	Good	Moderate	-		-	-	Local people
Tree	Phulai	<i>Acacia modesta</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	Local people
Climber	Tarad	<i>Dioscorea belophylla</i>	Climber	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Roots			Local people
Climber	Jungli bitter melon	<i>Momordica charantia</i>	Climber	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Fruit			Local people
Climber	Purple yam	<i>Dioscorea alata</i>	Climber	Northern/Sub-Tropical	Good	Moderate	-				Local people
Climber	Striped cucumber	<i>Diplocyclos palmatus</i>	Climber	Northern/Sub-Tropical	Good	Moderate	-				Local people
Tree	Toot	<i>Morus alba</i>	Tree	Northern/Sub-Tropical	Good	Moderate		Fruit/Timber			Local people
Tree	Taman	<i>Grewia optiva</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Own use	Timber/ Firewood	Leaves used as fodder		Local people



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

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic,social,cultural etc.)	Status
1	Brenker	<i>Adhatoda vasica</i>	Shrub	-	Good
2	Kanner/Lal Gandila	<i>Nerium indicum</i>	Shrub		Good
3	Bhang	<i>Cannabis sativa</i>	Shrub	Medicinal	Good
4	Aakh	<i>Ipomea carnea</i>	Shrub	Soil binder	Good
5	pansar	<i>Wendlandia heynei</i>	Shrub	Firewood	Good

**Format 20: Aquatic Biodiversity**

1	2	3	4	5	6		7	8	9	10
Local name	<i>Scientific name</i>	Variety	Features	Habitat	Local Status		Uses	Associated TK	Other details	Community knowledge holder
					Past	Present				
Snail	<i>Gastropoda</i>		Land snails have a strong muscular foot, they use mucus to enable them to crawl over rough surfaces and to keep their soft bodies from drying out.		Good	Good	-	-	-	
Carp	<i>Cyprinus carpio</i>		Dorsal fin base long with 17-22 branched rays and a strong toothed spine in front, pharyngeal teeth 5:5 teeth with flattened crowns.		Good	Good	-	-	-	
Brown trout	<i>Salmo trutta</i>		An average length of 40-80 cm with a maximum length of 140 cm the spawning behaviour of brown trout is similar to that of the closely related Atlantic salmon.		Good	Good	-	-	-	
Turtle	<i>Testudines</i>		Turtles spend most of their lives in water, they are adapted for aquatic life, freshwater turtles live in ponds and lakes, and they climb out of the water onto logs or rocks to bask in the warm sun		Good	Good	-	-	-	

Sago pondweed	<i>Potamogeton pectinatus</i>		Is a perennial that grows at a fast rate, it is in flower from May to September. The species is hermaphrodite (has both male and female organs) and is pollinated by water. It is noted for attracting wildlife.		Good	Good	-	-	-	
Lotus	<i>Nelumbo nucifera</i>		Edible, with rhizome, seeds, and leaves have been used as folk medicine, ayurveda and oriental medicine		Good	Good	-	-	-	
Water Spinach	<i>Ipomoea aquatica</i>		It contains abundant quantities of water, iron, vitamin C, Vitamin A and other nutrients		Good	Good	-	-	-	
Watercress	<i>Rorippa nasturtium-aquaticum</i>		It contains a plethora of antioxidants, which may lower your risk of heart disease and several types of cancer it's also a good source of minerals that protect your bones		Good	Good	-	-	-	

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

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic,social,cultural etc.)	Trends
1	Water Spinach	<i>Ipomoea aquaticum</i>	-	It contains abundant quantities of water, iron, vitaminC, Vitamin A and other nutrients	-
2	Watercress	<i>Rorippa nasturtium - aquaticum</i>	-	It contains a plethora of antioxidants, which may lower your risk of heart disease and several types of cancer it's also a good source of minerals that protect your bones	-

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

1	2	3	4	5	6		7	8	9	10	11
Plant(herb, shrub, tree)	Local Name	<i>Scientific Name</i>	Variety	Landscape/habitat	Local status		Associated TK	Uses	Part used	Other details market/own use	c.knowledge holder
					Past	Present					
Tree	Amla	<i>Emblica officinalis</i>	Local	Northern/Sub-Tropical	Good	Good		Medicinal	Bark/ Fruit	-	Local people
Tree	Arjun	<i>Terminalia arjuna</i>	Local	Northern/Sub-Tropical	Good	Good		Medicinal	Bark	-	Local people
Tree	Behra	<i>Terminalia bellirica</i>	Local	Northern/Sub-Tropical	Good	Good		Medicinal	Bark/ Fruit	-	Local people
Tree	Sukchain	<i>Pongamia pinnata</i>	Local	Northern/Sub-Tropical	Good	Good		Medicinal	Bark	-	Local people
Tree	Jamun	<i>Syzygium cumini</i>	Local	Northern/Sub-Tropical	Good	Good		Medicinal	Fruit /seeds	-	Local people
Tree	Fakoda	<i>Ficus palmata</i>	Local	Northern/Sub-Tropical	Good	Moderate	Fruits used in constipation	Medicinal	Fruit	own use	Local people
Tree	Plaa	<i>Butea monosperma</i>	Local	Northern/Sub-Tropical	Good	Moderate		Medicinal	Bark/Flower/Gum/Seeds	own use	Local people



**Format 24: Ornamental Plants**

1	2	3	4	5	6	7	8
Local Name	<i>Scientific Name</i>	Variety	Habitat	Commercial/non-commercial uses	Associated Tk	Any other detail	Community knowledge holder
Gandila	<i>Nerium indicum</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-
Panjtara	<i>Tara spinosa</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-
Bougainvillea	<i>Bougainvillea glabra</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-
Gulmohar	<i>Delonix regia</i>	Tree	Northern/ Sub-Tropical	-	-	-	-





**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	Any other detail	Community knowledge holder
			Past	Present				
Shisham/Taali	<i>Dalbergia sissoo</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	local people
Ber	<i>Ziziphus jujuba</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	local people
Safeda	<i>Eucalyptus</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	local people
Simbal	<i>Bombax ceiba</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	local people
Tunu	<i>Toona ciliata</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	local people
Jamun	<i>Syzygium cumini</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	local people
Toot	<i>Morus alba</i>	Northern/Sub-Tropical	Good	Moderate	Own use	Timber/ Firewood		local people
Taman	<i>Grewia optiva</i>	Northern/Sub-Tropical	Good	Moderate	Own use	Timber/ Firewood		local people





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

1	2	3	4	5	6	7		8	9	10	11
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local status		uses if any	Ass. TK	Other details	Community/ Knowledge Holder
						Past	Present				
Wild bird	Rose ringed parakeet	<i>Psittacula krameri</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
Wild Animal	Galehri/Galldchua	<i>Sciurus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
Wild Animal	Indian Hare	<i>Lepus nigricollis</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
Wild Animal	Monkey/bander	<i>Simiiformes catarrhini</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
wild insects	Grasshopper/ Tridda	<i>Chorthippus brunneus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
wild insects	butterfly/titliya	<i>Danaus plexippus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
wild insects	bees/por	<i>Apis mellifera</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
wild insects	ants/keediya	<i>Brachymyrmex patagonicus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
wild insects	Bumble bee	<i>Bombus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
Amphibia	Frog/Deedu	<i>Euphlyctis cyanophlyctis</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people

Reptiles	Tortoises	<i>Lissemys punctata</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
Reptiles	Snake/Sapp	<i>Serpentes</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	Local people
Birds	Gtaary	<i>Passer domesticus</i>	Northern/ Sub-Tropical			Good	Few				Local people
Birds	Kaa	<i>Corvus splendens</i>	Northern/ Sub-Tropical			Good	Moderate				Local people

Format 29: Flora			URBAN BIODIVERSITY			
1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)

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







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

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

*End of Part II*