

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti:** Mand East

**Taluk:** Tikri

**District:** Udhampur

**State:** J&K UT

**Geographical Area of the Panchayat Samiti:** 1100 Hac.

**Population under the Panchayat Samiti:** Total 3140

**Male:** 1884

**Female:** 1256

**Habitat and Topography:** Domestic, Kandi

**Climate (Rainfall, Temperature and weather patterns)** Mixed

**Land Use (Nine fold classification available with village records)** Agriculture

**Date, Month and Year of PBR Preparation:** 23/10/2020

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

## Annexure 1

**Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by the local body ; not less than one third to be women and not less than 18% belonging to SC/ST)**

**1)Name of the Chairperson:** Balwan Singh

**Age:** 51

**Gender:** Male

**Address:** Mand East

**Area of specialization:**

**2) Name:** Nisha Devi

**Age:** 39

**Gender:** Female

**Address:** Narsoo

**Area of specialization:**

**3)Name:** Santosh Kumari

**Age:** 48

**Gender:** Female

**Address:** Kalsar

**Area of specialization:**

**4)Name:** Shakeel Ahmed

**Age:** 41

**Gender:** Male

**Address:** Daber Moh.

**Area of specialization:**

**5)Name:** Mansa Ram Seth

**Age:** 41

**Gender:** Male

**Address:** Mand East

**Area of specialization:**

**6)Name:** Romail Singh

**Age:** 49

**Gender:** Male

**Address:** Isher Band

**Area of specialization:**

**7)Name:** Ravindra Singh

**Age:** 50

**Gender:** Male

**Address:** Malhar

**Area of specialization:**

## Annexure-2

**List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village**

**1) Name:** 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: Nil

Age:

Gender:

Address:

Area of specialization:

2) Name of the Chairperson: Nil

Age:

Gender:

Address:

Area of specialization:

3) Name of the Chairperson: Nil

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson: Nil

Age:

Gender:

Address:

Area of specialization:

**Annexure 4**

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

**1) Contact Person:**

**Name and Address:**

**2) Contact Person:**

**Name and Address:**

**3) Contact Person:**

**Name and Address:**

**4) Contact Person:**

**Name and Address:**

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

## 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	Variety	Landscape / Habitat	Approx. area shown (hectare)	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>	<i>Dhan</i>	Veliyan	Lowland valleys		Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Jun-July	Food Fodder Roofing Fuel	Provides more energy	Suitable for “Valicha” cultivation	Agri	Kurichiya Kuruma W. Chetty
Rice	<i>Oryza sativa</i>	<i>Dhan</i>	543	Lowland valleys		Rare	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Jun-July	Fodder	Fodder	-	Agri	-
Rice	<i>Oryza sativa</i>	<i>Dhan</i>		Lowland valleys		Rare	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Jun-July	Fodder	Fodder	-	Agri	-

Wheat	<i>Triticum aestivum</i>	Kank	644	Hilly	25	Rare	Plenty	Tall variety High yield Resistant to drought, flood, pest & diseases	Oct-Nov	Food Fodder	Fodder	-	Agri	-
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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 type	Local Name	Scientific Name	Variety	Habitat	Local Status		Source of Seeds/ Plants	Season of fruiting	Associated TK	Uses	Other Details	Community Knowledge Holder
					Past	Present						
Tree	Mango	<i>Mangifera indica</i>	Tree	Subtropical	Available	Available	Local	June-July	N/A	Fruits	Own Use	Unknown
Tree	Guava	<i>Psidium guajava</i>	Tree	Subtropical	Available	Available	Local	Aug-Sep	N/A	Fruits	Own Use	Unknown
Tree	Fagora	<i>Ficus palmata</i>	Tree	Subtropical	Available	Available	Local	April-May	N/A	Fruits	Own Use	Unknown
Tree	Bael	<i>Aegle marmalos</i>	Tree	Subtropical	Available	Available	Local	June-July	N/A	Fruits	Own Use	Unknown
Tree	Garna	<i>Carissa spinarum</i>	Tree	Subtropical	Available	Available	Local	June-July	N/A	Fruits	Own Use	Unknown
Tree	Aru	<i>Prunus persica</i>	Tree	Subtropical	Available	Available	Local	June-July	N/A	Fruits	Own Use	Unknown
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Subtropical	Available	Available	Local	June-July	N/A	Fruits	Own Use	Unknown

Tree	Litchi	<i>Litchi chinensis</i>	Tree	Subtropical	Available	Available	Nursery	June-July	N/A	Fruits	Own Use	Unknown
Tree	Anar	<i>Punica granatum</i>	Tree	Subtropical	Available	Available	Nursery	June-July	N/A	Fruits	Own Use	Unknown
Tree	Amla	<i>Emblica officinalis</i>	Tree	Subtropical	Available	Available	Local	June-July	N/A	Fruits	Own Use	Unknown
Tree	Ber	<b><i>Ziziphus mauritiana</i></b>	Tree	Subtropical	Available	Available	Local	June-July	N/A	Fruits	Own Use	Unknown

**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					
Tree	<i>Grewia optiva</i>	Dhaman	Sub-tropical	Available	Available	Local	Firewod , string making	Leaves/ bark	N/A	Unknown
Tree	<i>Albizia lebbeck</i>	Sree	Sub-tropical	Available	Available	Local	Firewood, fodder	Leaves/ wood	N/A	Unknown
Tree	<i>Leucaena leucocephala</i>	Lucini	Sub-tropical	Available	Available	Local	Fodder	Leaves	N/A	Unknown
Herb	<i>Zea mays</i>	Maize	Sub-tropical	Available	Available	Local/ Last year stored seeds	Food fodder	Leaves & Stalk	N/A	Unknown
Herb	<i>Sorghum bicolor</i>	Sorghum	Sub-tropical	Available	Available	Market	Fodder	Leaves & Stalk	N/A	Unknown
Herb	<i>Pennisetum glaucum</i>	Bajra	Sub-tropical	Available	Available	Market	Food fodder	Leaves	N/A	Unknown

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					
Congress grass	<i>Parthenium hysterophorus</i>	Congress grass	-	Affects growth of other vegs.	Sub-tropical	Available	Available	N/A	By weeding or removing	N/A	Exotic	Local
paljfulli	<i>Latana Camara</i>	paljfulli	-	Affects growth of other vegs.	Sub-tropical	Available	Available	Firewood	But cutting	Firewood	Exotic	Local
Putna Jadi	<i>Ageratum conyzoides</i>	Putna Jadi	-	Affects growth of other vegs.	Sub-tropical	Available	Available	N/A	By Weeding	N/A	Exotic	Local
Doob	<i>Cynodon dactylon</i>	Doob	Wheat/maize	Complete with main crop	Sub-tropical	Available	Available	Fooder	Weeding	Fooder	Local	Local
Laan	<i>Avena fatua</i>	Laan	Wheat	Complete with main crop	Sub-tropical	Available	Available	Fooder	Weeding	Fooder	Local	Local
Kaa	<i>Dactyloctenium aegyptium</i>	Kaa	Maize	Complete with main crop	Lowland area	Available	Available	Fooder	Weeding	Fooder	Local	Local

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
Crop	Locusts	<i>Locusta migratoria</i>	Tidda	Sub-tropical	Kharif	Spraying pest control chemical	-	-	Unknown
Crop	Grasshopper	<i>Grass hopper Acrididae</i>	Ram da koda	Sub-tropical	Kharif	Spraying pest control chemical	-	-	Unknown
Crop	Monkey	<i>Macaca mulatta</i>	Bandar	Sub-tropical	Every season	Drum beating	-	-	Unknown
Crop	Termites	<i>Isoptera</i>	Sink	Sub-tropical	N/A	N/A	-	-	Unknown
Crop	Wild rats	<i>Rattus Rattus</i>	Chua	Sub-tropical	N/A	N/A		-	Unknown

Other details may include possible reasons for insects/animal attack



**Format 7: Peoplescape**

1	2	3	4	5	6	7	8	9	10	11
<b>Community &amp; Population</b>	<b>Families &amp; Major occupation</b>	<b>Sub- occupation</b>	<b>Depending Landscape</b>	<b>Major resources accessed and seasons of access</b>	<b>Landscape management practices</b>	<b>Resource management practices</b>	<b>Cast / tribe</b>	<b>Social condition</b>	<b>Nature of inhabitants</b>	<b>No. of HHs</b>
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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											
Cultivated Land	-	-	Cultivated land		Agricultural lands are privately owned	Wild plants/ weeds	Insect	-	Ploughing, Sowing, Weeding, Hoeing, harvesting etc	Food, Fodder, Fibre etc.	Medicinal, Traditional, Religious.	-	Self observed
Non-Cultivated Land	-	-	Non-irrigated Area/State Land		Agricultural lands are privately owned	Wild plants/ weeds	Insect	-		Fodder	Medicinal, Traditional, Religious.	-	Self observed
Grazing land	-	-	State Land		Govt/ private	Wild Plants/ Weeds/ Grasses	Insect	-		Fodder	Medicinal, Traditional, Religious.	-	Self observed

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

**Format 9: Waterscape**

1	2	3	4	5	6	7	8	9	10	11	12	13
<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>
Stream	-	Direct small underground streams	Revenue/ Private Land	Mostly Ferns, Bryophytes, Pteridophytes	Amphibians	Daily household and drinking	All the people of the said area	Traditionally management practices for strengthening of bunds and deepning of tank beds	Drinking & Washing Clothes	-	-	General People of Village
Canals	-	From the bigger nalas	Revenue/ Private Land	All crops including fruits, vegetables & Flowers	Frog, Tadpoles, Fishes, Water snakes	Irrigation, Hydro Power, Chakki/ Gharats	Farmer	Small Check Dams	Irrigation, drinking of domestic animal	-	-	Local villagers
Nalas	-	Direct small underground streams	Revenue/ Private Land	All crops including fruits, vegetables & Flowers	Frog, Tadpoles, Fishes, Water snakes	Irrigation	Farmer	Check Dams	Irrigation, drinking of domestic animal	-	-	Local villagers

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



## DOMESTICATED BIODIVERSITY

### Format 11 : Fruit Trees

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	Community/ Know.
						Past	Present					
	Toot	<i>Morus Alba</i>	Unknown	Subtropical	Available	Available	Local	Mar- Apr	Firewood	N/A	Own use	Local
	Papita	<i>Carica papaya</i>	Unknown	Subtropical	Available	Available	Local/Nursery	Mar- Apr	Fruit	Traditional	Own use	Local
	Amrood	<i>Psidium guajava</i>	Unknown	Subtropical	Available	Available	Local	Aug-Sep	Firewood	Medicinal use	Own use	Local
	Kela	<i>Musa acuminata</i>	Unknown	Subtropical	Available	Available	Local	N/A	N/A	Religious use	Own use	Local
	Fagora	<i>Ficus palmata</i>	Unknown	Subtropical	Available	Available	Local	June-July	Firewood / Fodder	-	Own use	Local
	Anaar, Druni	<i>Punica granatum</i>	Unknown	Subtropical	Available	Available	Local/Nursery	Monsoon months	Firewood/ fodder	-	Own use	Local
	Aam	<i>Mangifera indica</i>	Unknown	Subtropical	Available	Available	Local/Nursery	May-June	Firewood/ fodder	Religious use	Own use	Local
	Amla	<i>Emblica officinalis</i>	Unknown	Subtropical	Available	Available	Local/Nursery	Oct-Dec	Religious use	Medicinal use	Own use	Local

**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	Kainth	<i>Pyrus pashia</i>	Wild	-	-	Available	Available	Leaves are used for staining purposes and fruits are edible	Leaves, fruits	Traditional Medicines	-	Self observed
Tree	Kau	<i>Olea cuspidata</i>	Wild	-	-	Available	Available	Stem and branches are used for making handles of agricultural tools.	Stem, branches	Unknown	-	Self observed
Tree	Draink	<i>Melia azedarach</i>	Wild	-	-	Available	Available	Antioxidant, antianalgesic, antidiabetic	Leaves and Seed	Own use	-	Self observed
Tree	Kamila	<i>Mallotus philippinensis</i>	Wild	-	-	Available	Available	Dying and herbal remedies	Fruit	Own use	-	Self observed
Tree	Krangal	<i>Cassia fistula</i>	Wild	-	-	Available	Available	Antipiratic, antiinflammatory	Seeds	Own use	-	Self observed
Tree	Amla	<i>Emblica officianalis</i>	Wild	-	-	Available	Available	Rich source of Vitamin-c, immunity booster	Fruit	Market/ Own use	-	Self observed
Tree	Katriad	<i>Bauhinia verigata</i>	Wild	-	-	Available	Available	Used in dysentery and diarrhea, cure skin diseases	Flower	Own use	-	Self observed
Tree	Flai	<i>Acacia nilotica</i>	Wild	-	-	Available	Available	Strengthening gums and teeth	Branches	Own use	-	Self observed

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 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	Gaay	<i>Bosindicus</i>	Local/ Hybrid	Black, white, Brown	Stable	Available	Available	Milk	Traditional, Religious	Nil	Ghee, curd,Butter, kaladi,cheese	Unknown
Buffalo	Bhains	<i>Bubblous</i>	Local/Hybrid	Black	Shed	Available	Available	Milk	-	-	Dairy products	Unknown
		<i>Bubalis</i>										
Horse	Ghorda	<i>Equscabalus</i>	Local/Hybrid	Black, white, Brown	Shed	Available	Available	Loading purpose	N/A	-	Drought, racing	Unknown
Bird	Hen	<i>Gallus gallus domesticus</i>	Local/Hybrid	-	Shed	Available	Available	Meat, Egg	N/A	-	Meat , egg	Unknown
Donkey	Gadda	<i>Equus asinus</i>	Local	-	-	Available	Available	Loading purpose	N/A	-	loading drought	Unknown
Dog	Kutta	<i>Cannis lupus</i>	Local/Hybrid	-	-	Available	Available	-	N/A	-	Guarding/security	Unknown
Cat	Billi	<i>Felis Catus</i>	Local	-	-	Available	Available	Pet	N/A	-	-	Unknown
Sheep	Bhed	<i>Ovisovis</i>	Local/Hybrid	white	Shed	Available	Available	Meat/ Wool	N/A	-	Meat and wool	Unknown
Goat	Bakri	<i>Capra Hercus</i>	Local/Hybrid	-	-	Available	Available	Milk, Meat	N/A	-	Meat, Milk,Hide	Unknown

Uses include milk, meat, skin, fur and etc

**Format 16: Culture Fisheries**

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

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



## WILD BIODIVERSITY

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

1	2	3	4	5	6		7	8	9	10	11
Plant type	Local Name	Scientific Name	Habit	Habitat	Local Status		Commercial/ Own use	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub-tropical	Available	Available	Commercial use	Stem, needles, cones, Resin etc	Stem- Timber value, Needles- construction purposes and fuel, Cones- as fuel, Resin-Varnish and paint	-	Self Observed
Tree	Kainth	<i>Pyrus pashia</i>	Tree	Sub-tropical	Available	Available	Own use	Leaves, fruits	Leaves are used for staining purposes and fruits are edible	Traditional Medicines	Self Observed
Tree	Kau	<i>Olea cuspidata</i>	Tree	Sub-tropical	Available	Available	Own use	Stem, branches	Stem and branches are used for making handles of agricultural tools.	Unknown	Self Observed
Tree	Champ	<i>Alnus nepalensis</i>	Tree	Sub-tropical/Temperate	Available	Available	Own use	Stem	Timber value	Unknown	Self Observed
Tree	Fagada	<i>Ficus palmata</i>	Tree	Scattered tree found in village area	Available	Available	Own use	Fruit	Fruits are edible and rich source of nutrients.	Traditional Medicines	Self Observed
Tree	Shisham	<i>Dalbergia Sissoo</i>	Tree	Scattered tree found in village area	Available	Available	Own use	Leaves, Stem	Leaves-Medicinal Value, Stem- Timber value	Medicinal value	Self Observed
Tree	Dhaman	<i>Grewia optiva</i>	Tree	Sub-tropical	Available	Available	Own use	Leaves, bark	Leaves- Fodder, Bark- Used for making Ropes	Traditional Use	Self Observed
Tree	Retha	<i>Sapindus mukorossi</i>	Tree	Sub-tropical/Mostly found in villages	Available	Available	Commercial use	Fruit	Medicinal Value		Self Observed
Tree	Sehtoot	<i>Morus serrata</i>	Tree	Sub-tropical/Mostly found in villages	Available	Available	Commercial use	Leaves, Fruit	Leaves-Feeding the Silkworms, Fruits-Edible	Traditional Use	Self Observed
Tree	Kalasree	<i>Albizia lebbeck</i>	Tree	Sub-tropical	Available	Available	Own use	Leaves, Stem	Leaves- Fodder, Stem- Timber value	Traditional Use	Self Observed
Tree	Tunu	<i>Toona ciliata</i>	Tree	Sub-tropical	Available	Available	Own use	Stem	Timber value	Traditional Use	Self Observed
Tree	Kharak	<i>Celtis australis</i>	Tree	Sub-tropical	Available	Available	Own use	Stem, Leaves	Stem- Timber Value, Leaves- Fodder	Traditional Use	Self Observed

1	2	3	4	5	6		7	8	9	10	11
Plant type	Local Name	Scientific Name	Habit	Habitat	Local Status		Commercial/ Own use	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Tree	Poplar	<i>Populus ciliata</i>	Tree	Temperate	Available	Available	Own use	Stem	Timber Value	Unknown	Self Observed
Tree	Kamilla	<i>Mallotus philippinensis</i>	Tree	Sub-tropical	Available	Available	Own use	Stem	Firewood	Medicinal value	Self Observed
Tree	Aru	<i>Prunus persica</i>	Tree	Temperate/Scattered tree found in village area	Available	Available	Commercial use	Fruit, Gum	Edible and rich source of nutrients	Medicinal value	Self Observed
Tree	Gargle	<i>Citron</i>	Tree	Sub-tropical	Available	Available	Commercial use	Fruit	Used for preparation of pickle	Cultural Use	Self Observed
Tree	Flai	<i>Acacia nilotica</i>	Tree	Sub-tropical	Available	Available	Own use	Branches & Leaves	Firewood	Traditional Use	Self Observed
Tree	Jamun	<i>Syzzium cumini</i>	Tree	Sub-tropical	Available	Available	Own use	Fruit	Firewood	Traditional Use	Self Observed
Tree	Draink	<i>Melia azedarach</i>	Tree	Sub-tropical	Available	Available	Own use	Fruit & Leaves	Firewood	Medicinal value	Self observed
Tree	Papita	<i>Carica papaya</i>	Tree	Sub-tropical	Available	Available	Own use	Fruit	Edible	Medicinal value	Self observed
Tree	Simbal	<i>Bombyx ceiba</i>	Tree	Sub-tropical	Available	Available	Own use	Stem, Fruit, Leaves	Fodder	Commerical	Self observed
Tree	Bael	<i>Aegel marmelos</i>	Tree	Sub-tropical	Available	Available	Own use	Fruit & Leaves	Medicinal Value	Religious Value	Self Observed
Tree	Arjuna	<i>Terminilia arjuna</i>	Tree	Sub-tropical	Available	Available	Own use	Branches & Leaves	Medicinal Value	-	Self Observed
Tree	Retha	<i>Sapindus mukorossi</i>	Tree	Sub-tropical	Available	Available	Own use	Fruit & Leaves	Medicinal Value	-	Self Observed
Tree	Behra	<i>Terminilia bellirica</i>	Tree	Sub-tropical	Available	Available	Own use	Fruit & Leaves	Medicinal Value	-	Self Observed
Tree	Safeda	<i>Eucalyptus globulus</i>	Tree	Sub-tropical	Available	Available	Own use	Stem, Leaves	Medicinal Value	Soil Binder	Self Observed
Shrub	Bana	<i>Vitex negundu</i>	Shrub	Sub-tropical	Available	Available	Own use	Leaves	-	Medicinal and religious	Self Observed

1	2	3	4	5	6		7	8	9	10	11
Plant type	Local Name	Scientific Name	Habit	Habitat	Local Status		Commercial/ Own use	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Shrub	Brainkad	<i>Adhadoda vasica</i>	Shrub	Sub-tropical	Available	Available	Own use	Stem, flower and leaves	Treatment of bronchitis, cough and cold	Medicinal and traditional	Self Observed
Shrub	Lal Gandila	<i>Nerium indicum</i>	Shrub	Sub-tropical	Available	Available	Own use	Flower & Leaves	Medicinal Value	Medicinal and traditional	Self Observed
Herb	Barrain	<i>Acorus calamus</i>	Herb	Sub-tropical	Available	Available	Commercial Use	Roots	Medicinal Value	Medicinal and traditional	Self Observed
Herb	Bhang	<i>Cannabis sativa</i>	Herb	Sub-tropical	Available	Available	Own use	Leaves	Analgesic	Religious	Self Observed
Herb	Brahmi Butti	<i>Centella asiatica</i>	Herb	Sub-tropical	Available	Available	Commercial Use	Leaves	Medicinal Value	Medicinal and traditional	Self Observed
Shrub	Geloy	<i>Tinospora cardifolia</i>	Shrub	Sub-tropical	Available	Available	Own use	Stem	Medicinal Value	Medicinal and traditional	Self Observed
Shrub	Mlungad	<i>Bauhinia vahlliwight</i>	Shrub	Sub-tropical	Available	Available	Own use	Stem	Traditional Value	Traditional Value	Self Observed
Shrub	Garna	<i>Carissa spinarum</i>	Shrub	Sub-tropical	Available	Available	Own use	Fruit	Edible	Rich source of Nutrients	Self Observed
Shrub	Sentha	<i>Dodonea viscosa</i>	Shrub	Sub-tropical	Available	Available	Own use	Stem	Firewood	Soil Binder	Self Observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Shrub	Sub-tropical/ Temperate	Available	Available	Own use	Fruit, Leaves, Stem, root etc	Medicinal value	Flavouring Agent	Self Observed
Shrub	Datura	<i>Datura Inooxa</i>	Shrub	Sub-tropical	Available	Available	Own use	Fruit	Intoxicant	Religious Value	Self Observed
Shrub	PanjPhulli	<i>Lantana Camera</i>	Shrub	Sub-tropical	Available	Available	Weed	Weed	Weed	Weed	Self Observed
Shrub	Lassini	<i>Leucaena Leucocephala</i>	Shrub/Tree	Sub-tropical	Available	Available	Own use	Leaves & Branches	Fodder	Soil Binder	Self Observed
Shrub	Chamber	<i>Artemisia Nilagrica</i>	Shrub	Sub-tropical	Available	Available	Own use	Whole Plant	Medicinal Value	Traditional use	Self Observed
Shrub	Dassi Aak	<i>Calotropis Procera</i>	Shrub	Sub-tropical	Available	Available	Own use	Whole Plant	Religious Value	-	Self Observed

1	2	3	4	5	6		7	8	9	10	11
Plant type	Local Name	Scientific Name	Habit	Habitat	Local Status		Commercial/ Own use	Parts Collected	Associated TK	Other Details	Community Knowledge Holder
					Past	Present					
Shrub	Jajooli	<i>Mucuna Pruriens</i>	Shrub	Sub-tropical	Available	Available	Weed	Weed	Insect/ Pest Repellent	-	Self Observed
Shrub	Trapparsula	<i>Opuntia vulgris</i>	Shrub	Sub-tropical	Available	Available	Own use	Growing Buds	Medicinal Value	-	Self Observed
Shrub	Kewda	<i>Agave americans</i>	Shrub	Sub-tropical	Available	Available	Own use	Whole Plant	Medicinal Value	-	Self Observed
Shrub	Aloe vera	<i>Aloe vera</i>	Shrub	Sub-tropical	Available	Available	Own use	Whole Plant	Medicinal Value	-	Self Observed
Grass	Khabbal	<i>Cyanodon dactylon</i>	Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Religious Value	Self Observed
Grass	Dilla	<i>Centipedde</i>	Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed
Grass	Baru	<i>Sorghum Halepense</i>	Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed
Grass	Trumba	<i>Fegopyrum esculentum</i>	Grass	Temperate	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed
Grass	Lamb Kaa		Grass	Sub Tropical	Available	Available	Own use	Entire Plant	Fodder	Unknown	Self Observed
Herbs	Congress Grass	<i>Parthenium</i>	Herbs	Sub Tropical	Available	Available	Weeds	Unknown	Unknown	Unknown	Unknown
Herbs	Pudina	<i>Mentha spicata</i>	Herbs	Sub-tropical/ Temperate	Available	Available	Own use	Leaves	Medicinal Value	Unknown	Self Observed
Herbs	Puthkanda	<i>Achyranthes Aspra</i>	Herbs	Sub-tropical	Available	Available	Own use	Whole plant	Medicinal Value	Traditional use	Self Observed
Herbs	Jojra	<i>Pupalia Lappacea</i>	Herbs	Sub-tropical	Available	Available	Weed	Weed	Weed	-	Self Observed
Herbs	Dudli Butti	<i>Euphorbia geniculata</i>	Herbs	Sub-tropical	Available	Available	Weed	Weed	Medicinal Value	-	Self Observed
Herbs	Aak	<i>Ipomoea Carnea</i>	Herbs	Sub-tropical	Available	Available	Own use	Unknown	Medicinal Value	Unknown	Self Observed
Herbs	Kadi Pata	<i>Murraya koenigii</i>	Herbs	Sub-tropical	Available	Available	Own use	Leaves	-	Traditional use	Self Observed

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

1	2	3	4	5	6
S.No	Local Name	Scientific Name	Variety	Importance(as economic, social, cultural etc.)	Status
1	Chir	<i>Pinus roxburghii</i>	Wild	Econmic, Social	Available
2	Kainth	<i>Pyrus pashia</i>	Wild	Social	Available
3	Kau	<i>Olea cuspidata</i>	Wild	Social	Available
4	Saintha	<i>Dodonea viscosa</i>	Wild	Soil Binder	Available
5	Kambli	<i>Berberies aristata</i>	Wild	Soil Binder and Economic	Available
6	Fagada	<i>Ficus palmata</i>	Wild	fruit edible	Available
7	Shisham	<i>Dalbergia Sissoo</i>	Wild	Economical, Social	Available
8	Dhaman	<i>Grewia optiva</i>	Wild	Economical, Social	Available
9	Kalasree	<i>Albizia lebbeck</i>	Wild	Economical, Social	Available
10	Tunu	<i>Toona ciliata</i>	Wild	Economical, Social, Commercial	Available
11	Kharak	<i>Celtis australis</i>	Wild	Economical, Social	Available
12	Kamilla	<i>Mallotus philippinensis</i>	Wild	Economical, Social	Available
13	Draink	<i>Melia azedarach</i>	Wild	Economical, Social	Available
14	Kamila	<i>Mallotus philippinensis</i>	Wild	Economical, Social	Available
15	Krangal	<i>Cassia fistula</i>	Wild	Economical, Social	Available
16	Amla	<i>Emblica officianalis</i>	Wild	Economical, Social, Commercial	Available
17	Katriad	<i>Bauhinia verigata</i>	Wild	Economical, Social	Available
18	Bael	<i>Aegel marmelos</i>	Wild	Economical, Social	Available
19	Simbal	<i>Bombyx ceiba</i>	Wild	Economical, Social	Available

20	Flai	<i>Acacia nilotica</i>	Wild	Economical, Social	Available
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**Format 20: Aquatic Biodiversity**

1	2	3	4	5	6		7	8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local Status		Uses	Associated TK	Other Details	Community/ Knowledge Holder
					Past	Present				
Mendak	<i>Rana tigrina</i>	Wild	Greenish or greyesh, pointed snout , long muscular hind limbs	Moist Areas	More	More	No direct use	Unknown	Unknown	Self Observed
Jook	<i>Hirudinea</i>	Wild	Segmented parasite	Moist areas	More	More	Medicinal use	Used for Therapy	Unknown	Self Observed
Sarkeed	<i>Brachyura</i>	Wild	Crustacean, thick exoskelton	Shores of rivers/pond	More	More	No direct use	Unknown	Unknown	Self Observed
Mahasher fish	<i>Cyprinus tor</i>	Wild	Large fish having large scales	Streams and rivers	More	More	Whole Body	Source of good protein	Traditional	Self Observed
Trout fish	<i>Salmo trutta</i>	Wild	Two pectoral fins, two pelvic fins, an anal fin, an adipose fin and a caudal fin	Moderate to low water currents	More	More	Whole Body	Source of good protein	Traditional	Self Observed
Mirgal fish	<i>Cirrhinus mrigala</i>	Wild	Bilateral symmetry, head without scales, snout blunt	Streams and rivers	More	More	Whole Body	Source of good protein	Traditional	Self Observed
Rohu fish	<i>Labeo rohita</i>	Wild	Two nostrils are present on the dorsal side of the snout, mouth having a crescentic opening	Ponds and rivers	More	More	Whole Body	Source of good protein	Traditional	Self Observed

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

1	2	3	4	5	6
S.No	Local Name	Scientific Name	Variety	Importance	Trends
1	Water lily	<i>Nymphaea nouchali</i>	Wild	Medicinal Value	-
2	Barrian	<i>Acorus calamus</i>	Wild	Medicinal Value	-
3	Swal	<i>Chlorophyta</i>	Wild	Organic manure	-
4	Hydrilla	<i>Hydrilla verticillata</i>	Wild	-	-
5	Pattar	<i>Nymphoides ezannoi</i>	Wild	-	-

**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	Chir	<i>Pinus roxburghii</i>	Wild	Forest	Available	Available	Commercial use	Stem, needles, cones, Resin etc	Stem- Timber value, Needles- construction purposes and fuel, Cones- as fuel, Resin- Varnish and paint	-	Self Observed
Tree	Kainth	<i>Pyrus pashia</i>	Wild	Forest	Available	Available	Own use	Leaves, fruits	Leaves are used for staining purposes and fruits are edible	Traditional Medicines	Self Observed
Tree	Kau	<i>Olea cuspidata</i>	Wild	Forest	Available	Available	Own use	Stem, branches	Stem and branches are used for making handles of agricultural tools.	Unknown	Self Observed
Tree	Draink	<i>Melia azedarach</i>	Wild	Forest	Available	Available	Medicinal	Antioxidant, antianalgesic, antidiabetic	Leaves and Seed	Own use	Self observed
Tree	Kamila	<i>Mallotus philippinensis</i>	Wild	Forest	Available	Available	Staining agent	Dying and herbal remedies	Fruit	Own use	Self observed
Tree	Krangal	<i>Cassia fistula</i>	Wild	Forest	Available	Available	medicinal	Antipiratic, antiinflammatory	Seeds	Own use	Self observed
Tree	Amla	<i>Emblica officianalis</i>	Wild	Forest	Available	Available	Medicinal	Rich source of Vitamin-c, immunity booster	Fruit	Market/Own use	Self observed

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	Katriad	<i>Bauhinia variegata</i>	Wild	Forest	Available	Available	Medicinal and traditional	Used in dysentery and diarrhea, cure skin diseases	Flower	Own use	Self observed
Tree	Flai	<i>Acacia nilotica</i>	Wild	Forest	Available	Available	Medicinal	Strengthening gums and teeth	Branches		Self observed
Tree	Jamun	<i>Syzzium cumini</i>	Wild	Forest	Available	Available	Medicinal and Traditional	Antidiabetic, improves haemoglobin and also strengthen the gums and teeth	Fruit, Leaves, bark, roots and branches	Market/Own use	Self observed
Tree	Kakarsinghi	<i>Pistacia integerrima</i>	Wild	Forest	Available	Available	Medicinal	Cure cronic Bronchitis	Fruit	Market value	Self observed
Tree	Arjuna	<i>Terminilia arjuna</i>	Wild	Forest	Available	Available	Medicinal	Cure cardiac alinments	Bark and leaves	Own use	Self observed
Tree	Retha	<i>Sapindus mukorossi</i>	Wild	Forest	Available	Available	Medicinal	Antibacterial and Antifungal properties	Leaves and fruit	Own use	Self observed
Tree	Behra	<i>Terminilia bellirica</i>	Wild	Forest	Available	Available	Medicinal	Antibacterial and Antifungal properties	Leaves and fruit	Own use	Self observed
Shrub	Bana	<i>Vitex negundu</i>	Wild	Forest	Available	Available	Medicinal and religious	Muscle relaxant, pain relieving	Leaves	Own use	Self observed

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					
Shrub	Brainkad	<i>Adhadoda vasica</i>	Wild	Forest	Available	Available	Medicinal and traditional	Treatment of bronchitis, cough and cold	Stem, flower and leaves	Own use	Self observed
Shrub	Lal Gandila	<i>Nerium indicum</i>	Wild	Forest	Available	Available	Medicinal	Medicinal properties like anthelmintic, diuretic, cardio tonic, anti cancer	Roots, leaves and bark	Own use	Self observed
Shrub	Kewda	<i>Agave americans</i>	Wild	Forest	Available	Available	Medicinal	Medicinal properties	Whole plant	Own use	Self observed
Shrub	Aloe vera	<i>Aloe vera</i>	Wild	Forest	Available	Available	Medicinal	Medicinal properties	Whole plant	Own use	Self observed
Herb	Barrain	<i>Acorus calamus</i>	Wild	Forest	Available	Available	Medicinal	Used for gastro intestinal problem	Roots	Market value	Self observed
Herb	Kins	<i>Dioseoria deltoidea</i>	Wild	Forest	Available	Available	Medicinal	Treatment of dogestive disorders, sore throat, wounds, burns, anaemia	Rhizomes, leaves	Market/Own use	Self observed
Herb	Bhang	<i>Cannabis sativa</i>	Wild	Forest	Available	Available	Medicinal	Cure fever, dysentery sunstroke and give alertness to the body	Leaves	Own use	Self observed
Herb	Brahmi Butti	<i>Centella asiatica</i>	Wild	Forest	Available	Available	Medicinal	Repair nervous tissues due to spinal injury, neuromuscular disoredr and incrtease brain memory	Leaves	Market value	Self observed

1	2	3	4	5	6		7	8	9	10	11
Plant(Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape/Habitat	Local Status		Associated TK	Uses(usage)	Part used	Other Details market/ own use	Community Knowledge Holder
					Past	Present					
Herb	Kadi Pata	<i>Murraya koenigii</i>	Wild	Forest	Available	Available	Medicinal	Antibacterial, antidiabetic	Leaves	Own use	Self observed
Climber	Geloy	<i>Tinospora cardifolia</i>	Wild	Forest	Available	Available	Medicinal	Used to treat diabetics, high cholesterol, allergy, upset stomach, gout	Stem, branches	Own use	Self observed
Climber	Mlungad	<i>Bauhinia vahlii</i>	Wild	Forest	Available	Available	Medicinal	Antibacterial, antidiabetic, analgesic, anti-inflammatory	Leaves, Stem	Market/Own use	Self observed

**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 Knowledge Holder
				Past	Present					
Jangli Pudina	<i>Mentha arvensis</i>	Pudina	Moist area	Available	Available	Flavouring agent	Leaves	Traditional	Unknown	Self Observed
Chaleri	<i>Amaranthus viridis</i>	-	Agriculture Lands	Available	Available	As vegetable	Leaves	Traditional	Unknown	Self Observed
Dheu	<i>Artocarpus lakoocha</i>	Jackfruit	Agriculture Lands	Available	Available	Fruits used for pickle	Fruit	Traditional	Unknown	Self Observed
Wild strawberry	<i>Fragaria vesca</i>	Strawberry	Fallow Lands	Available	Available	Fruit edible	Fruit	Traditional	Unknown	Self Observed
Kela	<i>Musa balbisiana</i>	Banana	Marshy lands	Available	Available	Fruit edible	Fruit	Traditional	Unknown	Self Observed
Kemb	<i>Citrus indica</i>	Citrus fruits	Agriculture/Fallow lands	Available	Available	Fruit edible	Fruit	Traditional	Unknown	Self Observed
Millet	<i>Pennisetum purpureum</i>	Pearl millet	Fallow Lands	Available	Available	-	-	Traditional	Unknown	Self Observed
Kaaw	<i>Sorghum halepense</i>	Sorghum	Fallow Lands	Available	Available	Fodder	Leaves	Traditional	Unknown	Self Observed
Rice bean	<i>Vigna umbellata</i>	Bean	Fallow Lands	Available	Available	-	-	Traditional	Unknown	Self Observed

**Format 24: Ornamental Plants**

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial/Non-commercial Uses	Associated TK	Any Other Detail	Community Knowledge Holder
Gulmohar	<i>Delonix regia</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed
Gulaca	<i>Cassia glauca</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed
Gandila	<i>Nerium</i>	Wild	Forest	Non-commercial	-	Unknown	Self observed
China rose	<i>Hibiscus rosa-sinensis</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed
Boganvilla	<i>Bougainvillea glabra</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed
Silver Oak	<i>Grevillea robusta</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed
Semia	<i>Cassia semia</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed
Marigold	<i>Tagetes erecta</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Murraya	<i>Murraya paniculata</i>	Local	Roadside	Non-commercial	Aesthetic value	Unknown	Self observed
Kachnar	<i>Bauhinia verigata</i>	Wild	Forest	Commercial	Flower-Edible and medicinal value	Unknown	Self observed

Batai	<i>Salix alba</i>	Wild	Forest	Commercial	Timber value	Unknown	Self observed
Saru	<i>Thuja occidentalis</i>	Wild	Roadside	Non-commercial	-	Unknown	Self observed
Bottle Brush	<i>Callistemon spp.</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed
Golden Shower	<i>Acacia auriculiformis</i>	Wild	Forest	Non-commercial	-	Unknown	Self observed
Motiya/Mongra	<i>Jasminum sambac</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed
Kewda	<i>Agave americans</i>	Wild	Forest	Non-commercial	-	Unknown	Self observed
Ashoka	<i>Polyalthia longifolia</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed
Juniper	<i>Juniperus communis</i>	Local	Roadside	Non-commercial	-	Unknown	Self observed

**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					
Tree	Jamun	<i>Syzzium cumini</i>	Wild	Sub-tropical	Available	Available	Teeth and gum diseases, antidiabetic	Branches, fruit	-	Branches used for brushing teeth and fruit for diabetic problem	Self observed
Tree	Flai	<i>Acacia modsta</i>	Wild	Sub-tropical	Available	Available	Teeth and gum diseases	Branches	-	Branches used for brushing teeth	Self observed
Tree	Amla	<i>Emblica officinalis</i>	Wild	Sub-tropical	Available	Available	Rich in Vitamin-c	Fruit	-	Edible	Self observed
Shrub	Timbru	<i>Zanthoxylum armatum</i>	Wild	Sub-tropical/Temperate	Available	Available	Disinfectant and antiseptic	Branches, fruit	-	Branches used for brushing teeth and fruit for medicinal purpose	Self observed
Shrub	Tulsi	<i>Ocimum sanctum</i>	Local	Moist soil/Temperate	Available	Available	Antioxidant, antiaging, treats Kidney stones, Relieves fever	Leaves	-	Leaves used in traditional medicines	Self observed
Shrub	Saunf	<i>Foeniculum vulgare</i>	Local	Humid/Temperate	Available	Available	Purify blood, improves eyesight	Fruit		Traditional use	Self observed
Shrub	Aloe vera	<i>Aloe vera</i>	Local	Sub-tropical	Available	Available	Medicinal Value	Whole Plant		Traditional use	Self observed

Herb	Brainkad	<i>Adhadoda vasica</i>	Local	Sub-tropical	Available	Available	Antiviral, antibacterial, anti-inflammatory	Leaves	-	Traditional use	Self observed
Herb	Pudina	<i>Mentha spicata</i>	Local	Near streams/Wet areas	Available	Available	Antiviral, antibacterial, anti-inflammatory	Leaves	-		Self observed
Herb	Methi	<i>Trigonella foenum-graecum</i>	Local	Sub-tropical	Available	Available	Balance cholestrol, maintain liver and health	Seeds	-	Traditional use	Self observed
Herb	Dhania	<i>Coriandrum sativum</i>	Local	Sub-tropical	Available	Available	Digestion problems	Leaves, Seeds	-	Traditional use	Self observed
Herb	Bang	<i>Cannabis sativa</i>	Wild	Sub-tropical	Available	Available	Cure fever, dysentery sunstroke and give alertness to the body	Leaves	-	-	Self observed
Climber	Geloy	<i>Tinospora cardifolia</i>	Wild	Tropical/dry forests	Available	Available	Boost immunity, reduces stress and anxiety	Stem	-	Medicinal value	Self observed

**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				
Chir	<i>Pinus roxburghii</i>	Sub-tropical	Available	Available	Resin/Firewood/ Wastewood	Wild	Wastewood used for plywood	Self Observed
Shisham	<i>Dalbergia sissoo</i>	Sub-tropical	Available	Available	Furniture	Wild	Wood used for Furniture and agricultural equipments	Self Observed
Kalasree	<i>Albizia lebbek</i>	Sub-tropical	Available	Available	Furniture	Wild	Wood used for Furniture	Self Observed
Tunu	<i>Toona ciliata</i>	Sub-tropical	Available	Available	Furniture	Wild	Wood used for Furniture	Self Observed
Toot	<i>Morus serrata</i>	Sub-tropical	Available	Available	Furniture	Wild	Wood used for Furniture	Self Observed
Draink	<i>Melia azedarach</i>	Sub-tropical	Available	Available	Furniture	Wild	Wood used for Furniture	Self Observed
Jamun	<i>Syzygium cumini</i>	Sub-tropical	Available	Available	Furniture	Local/Wild	Wood used for Furniture	Self Observed





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

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses(if any)	Associated TK	Mode of Hunting, collecting (if any)	Other Details	Community Knowledge Holder
						Past	Present					
Mammals	Chitra	<i>Panther pardus</i>	Terrestrial/Forest	Pale yellowish to dark golden with dark spots, Fur is generally soft	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Billi	<i>Felis bengalensis</i>	Terrestrial/Forest	Body and limbs are marked with black spots of varying size and colour	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Jangli Billi	<i>Felis chaus</i>	Terrestrial/Forest	Grey fur without spots, solitary nature and mostly used to prey small mammals and birds	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Ged	<i>Canis aureus</i>	Terrestrial/Forest	Less prominent forehead, shorter legs and often hunts alone	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Ged	<i>Vulpes bengalensis</i>	Terrestrial/Forest	Medium size foxes with large bushy tail	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Bandar	<i>Innuus rhesus</i>	Arboreal/ Lives near habitation	Mostly found near the communities and forest rich in wild fruits	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Khadkanu	<i>Lepus nigricollis</i>	Terrestrial/ tropical	Black naped hares due to the patch of black fur that runs along the nape of the neck.. Back and face are brown with black ahirs scattered throughout	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses(if any)	Associated TK	Mode of Hunting, collecting (if any)	Other Details	Community Knowledge Holder
						Past	Present					
Mammals	Newla	<i>Herpestes edwardsi</i>	Terrestrial, tropical and temperate	Long bodies, short legs and highly developed anal scent glands. Their coats are thick and coarse is texture	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Sae	<i>Hystrix indica</i>	Grassland, forest, scrub forest and mountain	Its hair is highly modified to form multiple layers of spines. Each quill is black or brown in color. Spines vary in length with the neck and shoulder	All seasons	Available	Available	Unknown	Unknown		-	Locals
Mammals	Chua	<i>Rattus rattus</i>	Temperate, Terrestrial and tropical	Medium sized rat with relatively large ears and a tail that is nearly always longer than the body	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Mammals	Chamgadad	<i>Chiroptera</i>	Temperate, Terrestrial and tropical	Bats are unmistakable and wings are modified forelimbs	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Reptiles	Kerli	<i>Hemidatylus frenatus</i>	Wild	Ectothermic, Quinidirectional	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Reptiles	Khoo	<i>Varanus bangalensis</i>	Wild	Grey colour with black crossbars from chin to tail	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Reptiles	Dhaleda	<i>Chamaeleo zeylanicus</i>	Wild	Long tongue, feet, prehensile tail	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Chiri	<i>Passer domesticus</i>	Temperate/Terrestrial	House sparrow is a stout, stocky sparrow with shorter legs and brown backed with black streaks	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses(if any)	Associated TK	Mode of Hunting, collecting (if any)	Other Details	Community Knowledge Holder
						Past	Present					
Birds	Kaa	<i>Corvus brachyrhynchos</i>	Temperate/Terrestrial	Completely black with glossy and slightly iridescent look	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Totaa	<i>Psittacula krameri</i>	Terrestrial/Freshwater	Medium sized bird have a green body with reddish beak. Tail is more than half of the body length	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Ell	<i>Gyps bengalensis</i>	Temperate/Terrestrial	Medium sized, bilateral symmetry, homoiothermic	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Lundhi	<i>Haliaeetus leucocephalus</i>	Temperate	Endothermic, bilateral symmetry	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Kabutar	<i>Columba livia</i>	Forest	Dark bluish grey head, neck and chest, billateral symmetry	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Mor	<i>Pavo cristatus</i>	Terrestrial, tropical and temperate	Long strong, greyish brown legs. Neck and breast are bright blue with golden feathers on their sides	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Jangli Murga	<i>Gallus gallus</i>	Forest	Gold, red, brown, dark maroon, orange with a bit of mettalic green and grey. White and olive feathers	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Gatari	<i>Acridotheres tristis</i>	Terrestrial, tropical and temperate	Yellow bills, legs and eye skin. Brown with a white head	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses(if any)	Associated TK	Mode of Hunting, collecting (if any)	Other Details	Community Knowledge Holder
						Past	Present					
Birds	Bulbul	<i>Pycnonotus leucogenys</i>	Arboreal/Forest	Head, throat and crest are black and white with long tail	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Tarkhan	<i>Melanerpes formicivorus</i>	Forest	medium sized,black and white clown faced bird with red crown, glossy black and white head	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Kala Titar	<i>Melanoperdix niger</i>	Wild	Small partridge with a thick bill, grey legs and dark brown iris	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Babbler	<i>Turdoides striata</i>	Wild	Short rounded wings with a weak flight. Brownish grey with a yellow bill	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Barn swallow	<i>Hirundo rustica</i>	Terrestrial, tropical and temperate	Small birds, barn swallow, blue black above and pale below. Light brown throat and forehead	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Birds	Pinja	<i>Terpsiphone paradisi</i>	Forest	Glossy black with a black brown and crest, black eyes	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Amphibia	Mendak	<i>Rana tigrina</i>	Wild	Solitary, nocturnal, snout pointed, tympanum distinct, skin with longitudinal foldes	Monsoon	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Amphibia	Jook	<i>Hirudinea</i>	Wild	Parasitic or predatory, cylindrical with a fluid filled space	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses(if any)	Associated TK	Mode of Hunting, collecting (if any)	Other Details	Community Knowledge Holder
						Past	Present					
Amphibia	Sarkeed	<i>Brachyura</i>	Aquatic	Crustacean covered with thick exo skelton	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Insects	Songla	<i>Periplaneta americana</i>	Near Habitation	Reddish brown with a pale brown or yellow band, jointed legs	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Insects	Passfail	<i>Coccinella septumpunctata</i>	Terrestrial/Temperate	Medium sized has orangishred elytra and black spots	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Insects	Trida	<i>Orthoptera caelifera</i>	Wild	Cylindrical body with elongated hindlegs and musculature adapted for jumping	Monsoon	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Insects	Timba	<i>Anisoptera</i>	Wild	Strong flying insects with body divided in three segments head, thorax and abdomen	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Insects	Blister beetle	<i>Mylabris pustulata</i>	Wild	Chewing and feeding mouth parts, polyphagus, well developed mouth, bright colour arrangements	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals
Rodent	Gilhari	<i>Funabulus palmarum</i>	Wild	Large Bushy tail, back is grey brown colour with white strips	All seasons	Available	Available	Unknown	Unknown	Non applicable	-	Locals

# URBAN BIODIVERSITY

## Format 29: Flora

1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	Fagada	<i>Ficus palmata</i>	Tree	-	Mar-Apr	Common
2	Shisham	<i>Dalbergia Sissoo</i>	Tree	-	Feb-mar	Common
3	Dhaman	<i>Grewia optiva</i>	Tree	-	Oct-Nov	Common
4	Retha	<i>Sapindus mukorossi</i>	Tree	-	Feb-mar	Common
5	Sehtoot	<i>Morus serrata</i>	Tree	-	Feb-mar	Common
6	Kalasree	<i>Albizia lebbbeck</i>	Tree	-	Feb-mar	Common
7	Tunu	<i>Toona ciliata</i>	Tree	-	Feb-mar	Common
8	Kharak	<i>Celtis australis</i>	Tree	-	Oct-Nov	Common
9	Poplar	<i>Populus ciliata</i>	Tree	-	Oct-Nov	Common
10	Kamilla	<i>Mallotus philippinensis</i>	Tree	-	Feb-mar	Common

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

**Format 30: Fauna**

1	2	3	4	5	6
Sr. No.	Local Name	<i>Scientific Name</i>	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
1	Billi	<i>Felis Bengalensis</i>	Mammals	-	Common
2	Ged	<i>Canis aureus</i>	Mammals	-	Common
3	Ged	<i>Vulpes bengalensis</i>	Mammals	-	Common
4	Bandar	<i>Innuus rhesus</i>	Mammals	-	Common
5	Khadkanu	<i>Lepus nigricollis</i>	Mammals	-	Common
6	Newla	<i>Herpestes edwarsi</i>	Mammals	-	Common
7	Saece	<i>Hystrix indica</i>	Mammals	-	Common
8	Chua	<i>Rattus rattus</i>	Mammals	-	Common
9	Chamgadam	<i>Chiroptera</i>	Mammals	-	Common
10	Cow	<i>Bos taurus</i>	Mammals	-	Common

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

<b>Format 31: Any other information of local importance</b>		
<b>1</b>	<b>2</b>	<b>3</b>
<b>Sr. No.</b>	<b>Information of local importance</b>	<b>Remarks</b>
Nil	Nil	Nil

*End of Part II*