

## People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti BHIKER

taluk: BHIKER

District: KATHUA

State: JAMMU AND KASHMIR

Geographical Area of the Panchayat Samiti: 226.0 heacter

Population under the Panchayat Samiti: Total 1472

Male 691. Female 781

Habitat and Topography: 12

Climate (Rainfall, Temperature and weather patterns). RAINFALL

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: 30-11-2019

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

<b>Annexure 1</b>
<b>Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by the local body ; not less than one third to be women and not less than 18% belonging to SC/ST)</b>
1)Name of the Chairperson: RALO DEVI
age 31
Gender: Female
Address: PANCHYAT BHIKER
Area of specialization:
2) Name: KRISHAN CHAND
Age:55
Gender: MALE
Address:. MANPHUR
Area of specialization:
3)Name: JOGINDER SINGH
Age: 36
Gender:MALE
Address: PANCHYAT BHIKER
Area of specialization:
4)Name: MOHINDER PAUL
Age: 42
Gender: MALE
Address: PANCHYAT BHIKER
Area of specialization:
5)Name: NATHI DEVI
Age: 42
Gender: FEMALE
Address: PANCHYAT BHIKER
Area of specialization:
6)Name: SHANI DEVI
Age: 50
Gender: FEMALE
Address: PANCHYAT BHIKER
Area of specialization:
7)Name: DEWAN CHAND
Age: 57
Gender: MALE
Address: PANCHYAT BHIKER
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 : Rattan Chand

Age: 45

Gender: Male

Address: Bhiker

Area of specialization:

Location from which the person accesses biological material: LOCAL AREA

Perception of the practitioner on the resource status:

Medicinal Use: FEVER COLD COUGH ETC

2) Name: Mashu Ram

Age: 60

Gender: Male

Address: Bhiker

Area of specialization:

Location from which the person accesses biological material: Local

Perception of the practitioner on the resource status:

Medicinal Use: Fever, Cold, Cough, Ulcer

3) Name: Baliya Ram

Age: 90

Gender: Male

Address: Panchayat Bihker Village Morha Seelo

Area of specialization:

Location from which the person accesses biological material: Local

Perception of the practitioner on the resource status:

Medicinal Use: Fever, Cold, Ulcer

### **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: Krishan Chand

Age:65

Gender:Male

Address:Panchayat Bhiker Village

Area of specialization: Agriculture

2) Name of the Chairperson: Puttu Ram

Age:54

Gender:Male

Address:Bhiker

Area of specialization:Agriculture

3) Name of the Chairperson:Mohinder Paul

Age:42

Gender:Male

Address:Bhiker

Area of specialization:Agriculture

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

**Annexure 4**

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

1) Contact Person:

Name and Address:

2) Contact Person:

Name and Address:

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

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

**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*

**Format 1: Crop Plants**

1	2	3	4	5	6	7		8	9	10	11	12	13	14
Crop	Scientific Name	Local Name	Variety	Landscape/ Habitat	Approx. area shown	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Rice	<i>Oryza sativa</i>	Dhan, Munji	PR-113	Suitable for Sub Tropical areas . Matures in 135 -140 day approx.		Abundant	Abundant	Dwarf High Yielding variety	June - Oct	Food Fodder		Suitable for Cultivation in Low land , Mid HillsAreas, Hot & Humid Climate	Agri. Deptt.	
	<i>Oryza sativa</i>	Dhan, Munji	IR-8	Plant Height 140-145 cm		Abundant	Abundant	Dwarf High Yielding variety	June - Oct	Food Fodder			Agri. Deptt.	
	<i>Oryza sativa</i>	Dhan, Munji	Jaya	Plant Height 140-145 cm		Abundant	Abundant	Dwarf High Yielding variety	June - Oct	Food Fodder			Agri. Deptt.	
	<i>Oryza sativa</i>	Dhan, Munji	Begumi	160-165 cm		Abundant	Rare	Tall in height , sweet in taste , High starch Content	June - Oct	Food Fodder	More Nutritive Value	Suitable of Plain & Mid Hills	Local	Pahari community

Wheat	<i>Triticum aestivum</i>	Kanak	HD-2967	150-155 cm		Abundant	Abundant	Dwarf High Yielding variety	Nov- Apr.	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
	<i>Triticum aestivum</i>	Kanak	Raj -3077	135-140 cm		Abundant	Abundant	Dwarf High Yielding variety	Nov- Apr.	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
	<i>Triticum aestivum</i>	Kanak	Raj-3765	125-130 cm		Abundant	Abundant	Dwarf High Yielding variety	Nov- Apr.	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
	<i>Triticum aestivum</i>	Kanak	Sonalika	150-155 cm		Abundant	Rare	Dwarf High Yielding variety	Nov- Apr.	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
Maize	<i>Zea mays</i>	Makk, kukri, challi, Buhtta, jobawr	Ganga Safed -2	White grain Hyb. Suitable for Sub- tropical. Matures in 95-100 days		Abundant	Abundant	High yielding Variety	June- Oct	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
	<i>Zea mays</i>	Makk, kukri, challi, Buhtta, jabawr	Vijay	Composite Maize Yellow grain variety High Yielding Variety suitable for Mid Hills		Abundant	Abundant	High yielding Variety	June- Oct	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	







**FORMAT 2 : FRUIT PLANTS AGRO BIODIVERSITY**

PLANT	SCIENTIFIC NAME	LOCAL NAME	VARIETY	LANDSCAPE HABITAT	LOCAL STATUS		SOURCE SEEDS/PLANTS	SEASON OF FRUITING	ASSOCIATED TKOTHER DETAILS MARKET/OWN	COMMUNITY KNOWLEDGE HOLDER
					PAST	PRESENT				
PAPAYA	<i>Carica papaya</i>	PAPITA	DESI, UNBUDDED	AGRI. LAND	AVAILABLE	AVAILABLE	SEEDS/PLANTS	ALL SEASONS	OWN USES	
MANDARIN	<i>Citrus reticulata</i>	SANGTRA	DESI, UNBUDDED	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	APRIL-SEPT	OWN USES	
ANOLA	<i>Phyllanthus emblica</i>	AMLA	DESI, UNBUDDED	AGRI. LAND	RARE	AVAILABLE	PLANTS	OCT-DEC	OWN USES	
CUSTARD APPLE	<i>Annona reticulata</i>	SITA PHAL	DESI, UNBUDDED	AGRI. LAND	RARE	RARE	PLANTS	AUG-NOV	OWN USES	
PEAR	<i>Pyrus communis</i>	NAKH	SLECTION	AGRI. LAND	RARE	RARE	PLANTS	AUG-NOV	OWN USES	
MOUSAMBI	<i>Citrus aurantifolia</i>	MOSAMBI	DESI, UNBUDDED	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	APRIL-SEP	OWN USES	
GUAVA	<i>Psidium guajava</i>	AMBRUD	DESI, UNBUDDED	AGRI. LAND	AVAILABLE	ABUNDANT	SEEDS/PLANTS	AUG- DEC	OWN USES	
LEMON	<i>Citrus aurantifolia</i>	NIMBU	DESI, UNBUDDED	AGRI. LAND	AVAILABLE	AVAILABLE	SEEDS/PLANTS	NOV- DEC	OWN USES	
TRIMBLI		TRIMBLI	DESI, UNBUDDED	AGRI. LAND	RARE	RARE	PLANTS	MAY- JUNE	OWN USES	
BANANA	<i>Musa paradistica</i>	KELA	DESI, UNBUDDED	AGRI. LAND	RARE	RARE	PLANTS	JULY- AUGUST	OWN USES	
JAMUN	<i>Syzygium cumini</i>	JAMUN	DESI, UNBUDDED	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	MARCH-JULY	OWN USES	
RUBUS	<i>Rubus ellipticus</i>	AKHRA	WILD (UNBUDDED)	AGRI. LAND	RARE	RARE	PLANTS	MAY- JUNE	OWN USES	
WILD KHAJOOR	<i>Phoenix sylvestris</i>	WILD KHAJOOR	WILD (UNBUDDED)	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	OCT-DEC	OWN USES	
KAMLU		KAMLU	WILD (UNBUDDED)	AGRI. LAND	RARE	RARE	PLANTS	MAY- JUNE	OWN USES	

ALMOND	<i>Prunus dulcis</i>	BADAM	CALIFORNI	AGRI. LAND	RARE	RARE	PLANTS	FEB-SEP	OWN USES	
PHAGWARI	<i>Fragaria nubicola</i>	PHAGWOORA	WILD (UNBUDDED)	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	APRIL-JUNE	OWN USES	
TOOT	<i>Morus indica</i>	SHAHTOOT	WILD (UNBUDDED)	AGRI. LAND	RARE	AVAILABLE	PLANTS	JULY- AUGUST	OWN USES	
PEACH	<i>Prunus persica</i>	AADO	SELECTION	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	MARCH- JUNE	OWN USES	
KARONDA	<i>Carissa carandas</i>	GARNA	WILD (UNBUDDED)	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	MARCH- AUGUST	OWN USES	
BER	<i>Zizyphus mauritiana</i>	BER	WILD (UNBUDDED)	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	FEB- APRIL	OWN USES	
WALL NUT	<i>Juglans regia</i>	AKHROOT	KAGZI, WILD (UNBUDDED)	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	MARCH-JULY	OWN USES	
PLUM	<i>Prunus</i>	ALOO BAKHARA	SATLUJ/SANAT/ ROSA	AGRI. LAND	RARE	RARE	SEEDS/PLANTS	MARCH-JULY	OWN USES	
APPLE	<i>Malus domestica</i>	SEB	ROYAL/GOLDEN DELICIOUS	AGRI. LAND	RARE	RARE	PLANTS	MARCH-JULY	OWN USES	
Kimb	<i>Citrus Medica</i>	Kimb		AGRI. LAND			PLANTS		OWN USES	
Mango	<i>Mangifera indica</i>	Amb		AGRI. LAND			PLANTS		OWN USES	
Fig	<i>Ficus carica</i>	Anjeer		AGRI. LAND			PLANTS		OWN USES	
		Trimbal		AGRI. LAND					OWN USES	
Java Plum	<i>Syzygium cumini</i>	Jamun		AGRI. LAND			Plants		OWN USES	



	<i>Triticum</i>	Wheat								
Barley	<i>Hordeum vulgare</i>	Joo								

**FORMAT: 4 Weeds**

Plant	Scientific Name	Local name	Affected Crop	Impact	Landscape / Habitat	Local status		Uses if any	Management Option	Associate TK	Other details	Community / Knowledge Holder
						Past	Present					
shol	Local	Shol	Paddy	Broad leaf and consumed the nutrients of the plants and reduces the production	floating on the water	Plenty	Plenty	Nil	Drying of paddy field as a result leafs dry	-	Hady and wider adoptability, multiply very fast	Pahari Community
Shama	Local	Shama	Paddy	compete with nutritions, light and space with Paddy crop and reduces the production	Tall growing just like paddy	Plenty	Plenty	Nil	Use of weedicide	-	-	-
Bathua	<i>Chenopodium sp</i>	Baathu	Wheat	Broad leaf and consumed the nutrients of the plants and reduces the production	Germination in the field after 20 days	Plenty	Plenty	Nil	1.Use of weedicide		Hady and wider adoptability, multiply very fast	





**FORMAT: 5 Pests of Crop**

Host	Insect / Animal	Scientific Name	Local name	Habitat	Time / Season of Attack	Management Mechanism	Associate TK	Other details	community / Knowledge Holder
Paddy	Grasshopper	<i>Hieroglyphus niogrorepletum</i>	Tidda , Raja da Gorha ,	Polyphagus	June to Novemeber	1.Destroy eggs by cleaning bunds 2. Spray the bunds with Malathion 5 % D @ 25 Kg / Ha	Both nymphs and Adults feed on the leaves , they devour the young shoots and newly farm ear heads.	Adults are like locust but smaller in size	
Paddy	Rice Hisppa	<i>Dicladispa armigera</i>	Neela tittu	Appeaqr in all varieties of rice	July -Sep	1. Clip the affected tips of leaves before transplanting	Quinalphos 25EC 1 litre per ha in 750 ltr of water	The grubs this pest mine into the leaves and adults are external feeders.	
Wheat	Field Rats	<i>Bandicota sp.</i> <i>Tatera sp.</i>	Chua, Kees,	Burrow in soil .Rats are found in nearly all areas of Earth which are inhabited by human beings.	through out the year	1. Poison baiting 2. bund trimming to minimize harborage 3. use indigenous traps	Thjey cause have loss to standing wheat crop and harvested crop in stores.	Domestic rats differ from wild rats in many ways. They are calmer and less likely to bite; they can tolerate greater crowding; they breed earlier and produce more offspring; and their brains, livers, kidneys, adrenal glands, and hearts are smaller	
	Termites	<i>Microtermes obesi</i>	seenak, seonk, white ant,	Generally appears at wet places, lives in nests made under ground	through out the year	1. Destroy termitaria in an around field 2. Never use raw FYM 3. For termites control in standing crop, dilute 4l of chlorpyriphos 20EC in 5l of water and mix in 50 kg of sand thoroughjly . Boradcast this treated soil in the infested areas.	These are Social insect that lives under gound in colonies.	The damage plant dry up completely and are easily pulled out	
Maize	Stem borer	<i>Chilo partellus</i>	Lurhi, kidda,	Occurs through out the country	July onward . 15-20 days after Germination	1. apply granular insecticide carbofuran 3G @20 Kg / Ha 2. Uproot the stubbles of previous years crop and burn	It attacks immediately after germination and causes dead hearts in young plants .	The adult is medium sized straw coloured moth . The caterpillar is dirty white in color with short bristly hair on its body	

	Cut Worm	<i>Agrotis ipsilon</i>	Luhri	Occurs throughout the country but especially Hilly areas	July onward .	1. Install light traps @2/Ha 2. Install Pheromones traps @40/Ha to attract to kill the male moths 3. Chlorpyrifos 30EC@3ml/of water	Larva cut the seedling at the ground level .	They live in soil during the day and feed at night . The caterpillar are in grey in colour	
cole crops	Cabbage butterfly	<i>Pieris brassicae</i>	Titli	The large white butterfly's habitat consists of large, open spaces, as well as farms and vegetable gardens, because of the availability of its food source.	Oct onwards	1. Release of Trichogramma chilonis @50000 adults/ha per release (6 times )at weekly interval in Mid January 2. Donot spray the crop near harvesting			
Vegetable	Fruit fly	<i>Bactrocera cucurbitae</i>	Titli	Fruit flies are of concern both as nuisance pests and as serious contaminators of food.	After Summer Rains when Humidity is high.	1. Install methyl eugenol traps @ 5-100/Ha 2. Spray Malathion @ 1ml +10 Grms gur/ ltr of water at evening hours when fruits flies are congregated on the leave surface.	Female fruit flies lay their eggs on the surface of rotting fruits and vegetables. Each female may lay as many as 500 eggs. These eggs hatch into larvae which molt twice before becoming fully grown.	Adults may be dull yellowish, brownish yellow, or brownish black in color and range from 1/10 to 1/5 inch long. Most species have red eyes. Larvae are very small (ranging from 1/10 to 1/5 inch long), dirty white, and maggot-shaped. They can be recognized by the stalked posterior spiracles on the last abdominal segment.	

**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

**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

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**

Format 8: landscape													
1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes													
Agricultural Land	Pond	Fallow Land	Sub- Landscape	Features & Approx Area	Ownership	General Flora	General Fauna	User Groups	Management Practices	General Uses	Associate TK	Other Details	Community Accessed
Cultivated Land	Not Applicable	Not Applicable	Cultivated Land	-	Private	Local Plants&some wild Plants	Insects	Local People	Modern Agricultral Practices	Agricultural	Unknown	Unknown	Local People
Irrigated land	Not applicable	Not applicable	Irrigated Land	-	Govt. & Private	Acquatic Plants	Insects	Local People	Modern Agricultral Practices	Agricultural	Unknown	Unknown	Local People
Forest Land	Not applicable	Not applicable	Forest Land	-	Govt.	Local Plants& some wild Plants	Insect & Amphibians	Local People	-	Firewood And Grazing	Unknown	Unknown	Local People
Grazing Land	Not applicable	Not applicable	Non Irrigated Land	-	Govt.	some wild Plants	Insects	Local People	-	Grazing of Cattles	Unknown	Unknown	Local People

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

**FORMAT: 10 Soil Type**

<b>Soil Type</b>	<b>Color &amp; texture</b>	<b>Features</b>	<b>Soil Management</b>	<b>Plants / Crop Suitable</b>	<b>Flora and Fauna</b>	<b>Associate TK</b>	<b>Other Information</b>
Brown Forest Soil	Silt Loam to clay Texture	Fine Granular, Dub-Angular Blocky Structure having pH 7.8-8.3, Water Holding capacity more than 40%	Use of Organic matter	Maize, Wheat, Safflower	-	-	-
Red and Yellow Podzolic Soils.	Coarse Texture	Water Holding Capacity is 40% , Loamy Soils	Use of Organic matter, use of cattle dung	Maize, Jowar, Oats	-	-	-
Lithosols	Gravelly loam to Gravelly silty Loam	pH 7.1-7.8, Occur on steep slopes in the forest hills of 400-600 mtrs. 33-38% Water Holding Capacity	Use of Organic matter	Maize & Fodder Crops	-	-	-
Alluvial Soils	Loamy Soils	ph 7.0-7.7, Organic Carbon 0.28-0.61%	Use of Organic matter	Wheat, Paddy, Vegetables	-	-	-

**FORMAT 11 : FRUIT CROPS DOMESTICATED BIODIVERSITY**

1	2	3	4	5	6	7	8	9	10	11	12
PLANT	SCIENTIFIC NAME	LOCAL NAME	VARIETY	LANDSCAPE HABITAT	LOCAL STATUS		SOURCE SEEDS/PLANTS	SEASON OF FRUITING	ASSOCIATED TK	OTHER DETAILS MARKET/OWN USE	COMMUNITY KNOWLEDGE HOLDER
					PAST	PRESENT					
MANGO	<i>Mangifera indica</i>	AAM	DASHERI, AMARPALI, MALIKA	AGRI. LAND	AVAILABLE	ABUNDANT	SEEDS/ PLANTS	MARCH-JULY		OWN USES/MKT	
APPLE	<i>Malus domesticta</i>	SEB	ROYAL RED/GOLDEN DELICIOUS	AGRI. LAND	RARE	RARE	PLANTS	MARCH-JULY		OWN USES/MKT	
GUAVA	<i>Psidium guajava</i>	AMBRUD	L-49, ALLAHABAD SAFEDA	AGRI. LAND	RARE	AVAILABLE	SEEDS/ PLANTS	AUG- DEC		OWN USES/MKT	
LEMON	<i>Citrus aurantifolia</i>	NIMBU	KAGZI, KUMKATH	AGRI. LAND	AVAILABLE	ABUNDANT	SEEDS/ PLANTS	NOV- DEC		OWN USES/MKT	
MOUSAMBI	<i>Citrus aurantifolia</i>	MOSAMBI	GRAFTED	AGRI. LAND	RARE	RARE	SEEDS/ PLANTS	APRIL-SEP		OWN USES/MKT	
POMEGRANATE	<i>Citrus limettoides</i>	ANAAR	KANDHARI, GANESH	AGRI. LAND	RARE	RARE	SEEDS/ PLANTS	APRIL-MAY		OWN USES/MKT	
PAPAYA	<i>Punica granatum</i>	PAPITA	RED LADY, WASHINGTON	AGRI. LAND	RARE	RARE	SEEDS/ PLANTS	ALL SEASONS		OWN USES/MKT	



MANDARIN	<i>Carica papaya</i>	SANGTRA	GRAFTED	AGRI. LAND	RARE	RARE	SEEDS/ PLANTS	APRIL-SEPT		OWN USES/MKT	
GRAPES	<i>Citrus reticulata</i>	ANGOOR, DAAKH	THOMSON SEEDLESS, PRIETTE	AGRI. LAND	RARE	RARE	SEEDS/ PLANTS	JUNE-SEPT		OWN USES/MKT	
ANOLA	<i>Vitis vinifera</i>	AMLA	NA-7 BANARSI	AGRI. LAND	RARE	RARE	PLANTS	AUG-NOV		OWN USES/MKT	
WALL NUT	<i>Phyllanthus emblica</i>	AKHROOT	KAGZI LOCAL, HARD SHIELD	AGRI. LAND	RARE	RARE	SEEDS/ PLANTS	MARCH-JULY		OWN USES/MKT	

**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	Karal	<i>Bauhinia variegata</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves, Seed	Used as Medicine	Flower used as medicine and vegetable	
Tree	Aaran	<i>Prunus persica</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Amla	<i>Phyllanthus emblica</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Baadh	<i>Ficus religiosa</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Bair	<i>Ziziphus xylocarpa</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Bheda	<i>Terminalia bellerica</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Cambel	<i>Lannea coromandelica</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Charmood	<i>Ehretia laevis</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Chilla	<i>Casearia tomentosa</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Dhaman	<i>Grewia optiva</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Drankh	<i>Melia azedarach</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Fakwara	<i>Ficus palmata</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	
Tree	Aaran	<i>Prunus persica</i>	Tree	Sub-Tropical	Seed	Available	Available	Own Use	Leaves	Used as Medicine	Used as medicine	

Shrubs	Garna	<i>Carissa spinarum</i>	Shrubs	Sub-Tropical	Seed	Available	Available	Own Use	Leves	Used as Medicine	Used as medicine	
Shrubs	Drenkeri	<i>Murraya koenigii</i>	Shrubs	Sub-Tropical	Seed	Available	Available	Own Use	Leves	Used as Medicine	Used as medicine	
	Safdotri	<i>Manilkara zapota</i>		Sub-Tropical								
	Pujpatri	<i>Jasminum auriculatum</i>		Sub-Tropical								
	Dosa			Sub-Tropical								
	Basuti	<i>Adathoda vasica</i>		Sub-Tropical								
	Neem	<i>Azadirachta indica</i>		Sub-Tropical								
	Tulsi	<i>Ocimum tenuiflorum</i>		Sub-Tropical								

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





<b>10</b>
<b>Community/ Know. holder</b>
Floriculturist/ Nurserymen/ Gardners
Floriculturist/ Nurserymen/ Gardners
Floriculturist/ Nurserymen/ Gardners
Floriculturist/ Nurserymen/ Gardners
Floriculturist/ Nurserymen/ Gardners
Floriculturist/ Nurserymen/ Gardners
Floriculturist/ Nurserymen/ Gardners
Floriculturist/ Nurserymen/ Gardners












Uses include milk, meat, skin, fur and etc

12
<b>Community Know. Holders</b>
Self observed
Self observed
Self observed
Self observed
Self observed
Self observed
Self observed
Self observed
Self observed


**Format 16: Culture Fisheries**

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

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



**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		Commierical/ Own use	Part Collected	Associated TK	Others details	Community Knowledge Holder
					Past	Present					
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown	Medicinal use	Self observed
Tree	Bour	<i>Ficus benghalensis</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown	Medicinal use	Self observed
Tree	Chilla	<i>Casearia tomentosa</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaf and Wood	Unknown	Medicinal use	Self observed
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Kakoa	<i>Flacourtia indica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown	Medicinal use	Self observed
Tree	Daronkal	<i>Murraya koenigii</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves	Unknown	Medicinal use	Self observed
Tree	Dudaya	<i>Wrightia arborea</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves	Unknown	Medicinal use	Self observed
Shrubs	Garna	<i>Carissa spinarum</i>	Shrubs	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown	Medicinal use	Self observed
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Used for Diabetes	Medicinal use	Self observed
Tree	kaam	<i>Mitragyna parvifolia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Kembaal	<i>Lannea coromandelica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Kamla	<i>Mallotus philippensis</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed



Tree	Khair	<i>Acacia catechu</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Kodh	<i>Aloe barbadensis</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Krongal	<i>Cassia fistula</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Lucenia	<i>Leucaena spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Plah	<i>Butea monosperma</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Pansara	<i>Wendlandia spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Reetha	<i>Sapindus mukorossi</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits and Wood	Used for Diabetes	Medicinal use	Self observed
Shrubs	Santa	<i>Dodonaea viscosa</i>	Shrubs	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Sarri	<i>Albezzia spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Talli	<i>Dalbergia sisso</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Thub / Dudhruk	<i>Erythrina spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Balugar	<i>Bauhinia vahlii</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Chuindi	<i>Xylosma longifolium</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Doss/sanan	<i>Colebrookea oppositifolia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed

Tree	Khini	<i>Ficus semicordata</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Kral	<i>Bauhinia variegata</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves/Flowers	Used for Diabetes	Medicinal use	Self observed
Tree	Lana	<i>Ficus hispida</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Dhaman	<i>Grewia optiva</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Charmod	<i>Ehretia spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Badh	<i>Ficus religiosa</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Behra	<i>Terminalia bellirica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Oanni	<i>Lyonia ovalifolia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Draink	<i>Melia azedarach</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves/Wood	Unknown	Medicinal use	Self observed
Tree	Amb	<i>Mangifera indica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Unknown	Medicinal use	Self observed
Tree	Tunnu	<i>Toona ciliata</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Neem	<i>Azadirachta indica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Plakh	<i>Ficus virens</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves/Wood	Unknown	Medicinal use	Self observed
Tree	Rehn	<i>Quercus lucotricophora</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	chamar sama	<i>Holoptelea integrifolia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed



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

1	2	3	4	5	6
SI. No	Local Name	Scientific Name	Variety	Importance(as economic, social, cultural etc.)	Status
1	Rati	<i>Abrus precatorius</i>	Wild	Social and Economic	Available
2	Khair	<i>Acacia catechu</i>	Wild	Social and Economic	Available
3	Exotic acacia	<i>Acacia farnesiana</i>	Wild	Social and Economic	Available
4	Phulai or Fly	<i>Acacia modesta</i>	Wild	Social and Economic	Available
5	Kikar	<i>Acacia nilotica</i>	Wild	Social and Economic	Available
6	Parkanda	<i>Achyranthes aspera</i>	Wild	Social and Economic	Available
7	Bel	<i>Aegle marmelos</i>	Wild	Social and Economic	Available
8	Nuriya	<i>Aerva sanguinolenta</i>	Wild	Social and Economic	Available
9	Ramban	<i>Agave americana</i>	Wild	Social and Economic	Available
10	Kala Siris	<i>Albizia lebbek</i>	Wild	Social and Economic	Available
11	Kramblu	<i>Albizia odoratissima</i>	Wild	Social and Economic	Available
12	Safed siris	<i>Albizia procera</i>	Wild	Social and Economic	Available

13	Kuad Gandal	<i>Aloe barbadensis</i>	Wild	Social and Economic	Available
14	Chaleri Saag	<i>Amaranthus viridis</i>	Wild	Social and Economic	Available
15	Seski	<i>Artemisia parviflora</i>	Wild	Social and Economic	Available
16	Kathal	<i>Artocarpus heterophyllus</i>	Wild	Social and Economic	Available
17	Nad	<i>Arundo donax</i>	Wild	Social and Economic	Available
18	Neem	<i>Azadirachta indica</i>	Wild	Social and Economic	Available
19	Bamboo	<i>Bambusa bambos</i>	Wild	Social and Economic	Available
20	Bamboo	<i>Bambusa nutans</i>	Wild	Social and Economic	Available
21	Kachnar	<i>Bauhinia purpurea</i>	Wild	Social and Economic	Available
22	Baloonger	<i>Bauhinia vahlii</i>	Wild	Social and Economic	Available
23	Kachnar	<i>Bauhinia variegata</i>	Wild	Social and Economic	Available
24	Simbal	<i>Bombax ceiba</i>	Wild	Social and Economic	Available
25	Jungli toot	<i>Broussonetia papyrifera</i>	Wild	Social and Economic	Available
26	Plaaah	<i>Butea monosperma</i>	Wild	Social and Economic	Available
27	Bhang	<i>Cannabis sativa</i>	Wild	Social and Economic	Available
28	Chilla	<i>Casearia tomentosa</i>	Wild	Social and Economic	Available

29	Krangal	<i>Cassia fistula</i>	Wild	Social and Economic	Available
30	Mainphal	<i>Catunaregum spinosa</i>	Wild	Social and Economic	Available
31	Aajan Grass	<i>Cenchrus ciliaris</i>	Wild	Social and Economic	Available
32	Karun	<i>Chenopodium murale</i>	Wild	Social and Economic	Available
33	Khas Khas	<i>Chrysopogon zizanoides</i>	Wild	Social and Economic	Available
34	Kapoor	<i>Cinnamomum camphora</i>	Wild	Social and Economic	Available
35	Bhus	<i>Cirsium arvense</i>	Wild	Social and Economic	Available
36	Sanali or Dussa	<i>Colebrookea oppositifolia</i>	Wild	Social and Economic	Available
37	Barna	<i>Crateva religiosa</i>	Wild	Social and Economic	Available
38	Amar Bel	<i>Cuscuta reflexa</i>	Wild	Social and Economic	Available
39	Shudri	<i>Cynoglossum lanceolatum</i>	Wild	Social and Economic	Available
40	Deela	<i>Cyperus rotundus</i>	Wild	Social and Economic	Available
41	Tali	<i>Dalbergia sissoo</i>	Wild	Social and Economic	Available
42	Dhatura	<i>Datura stramonium</i>	Wild	Social and Economic	Available
43	Palain	<i>Dichanthium annulatum</i>	Wild	Social and Economic	Available
44	Kalu grass	<i>Dicliptera bupleuroides</i>	Wild	Social and Economic	Available

45	Sadhun	<i>Dioscorea melanophyma</i>	Wild	Social and Economic	Available
46	Santha	<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
47	Duranta	<i>Duranta erecta</i>	Wild	Social and Economic	Available
48	Chamror	<i>Ehretia acuminata</i>	Wild	Social and Economic	Available
49	Chamror	<i>Ehretia laevis</i>	Wild	Social and Economic	Available
50	Dhol Dhak	<i>Erythrina suberosa</i>	Wild	Social and Economic	Available
51	Pangara	<i>Erythrina variegata</i>	Wild	Social and Economic	Available
52	Bubbeain	<i>Eulaliopsis binata</i>	Wild	Social and Economic	Available
53	Thor	<i>Euphorbia royleana</i>	Wild	Social and Economic	Available
54	Trimbal	<i>Ficus auriculata</i>	Wild	Social and Economic	Available
55	Bohr	<i>Ficus benghalensis</i>	Wild	Social and Economic	Available
56	Fagora	<i>Ficus palmata</i>	Wild	Social and Economic	Available
57	Rumble	<i>Ficus racemosa</i>	Wild	Social and Economic	Available
58	Badh or Pipal	<i>Ficus religiosa</i>	Wild	Social and Economic	Available
59	Kakoa	<i>Flacourtia indica</i>	Wild	Social and Economic	Available
60	Kanphuta	<i>Flemingia chappar</i>	Wild	Social and Economic	Available

61	Bhattani	<i>Gomphrena celosioides</i>	Wild	Social and Economic	Available
62	Dhaman	<i>Grewia optiva</i>	Wild	Social and Economic	Available
63	Lamb grass	<i>Heteropogon contortus</i>	Wild	Social and Economic	Available
64	Aakh	<i>Ipomoea carnea</i>	Wild	Social and Economic	Available
65	Kharpoway	<i>Ipomoea purpurea</i>	Wild	Social and Economic	Available
66	Chameli	<i>Jasminum officinale</i>	Wild	Social and Economic	Available
67	Ratanjot	<i>Jatropha curcas</i>	Wild	Social and Economic	Available
68	Brenker	<i>Justicia adhatoda</i>	Wild	Social and Economic	Available
69	Kemba	<i>Lansea coromandelica</i>	Wild	Social and Economic	Available
70	Panjphuli	<i>Lantana camara</i>	Wild	Social and Economic	Available
71	Mithu grass	<i>Lathyrus sativus</i>	Wild	Social and Economic	Available
72	Kamila	<i>Mallotus philippensis</i>	Wild	Social and Economic	Available
73	Baryar	<i>Malvastrum coromandelianum</i>	Wild	Social and Economic	Available
74	Aam	<i>Mangifera indica</i>	Wild	Social and Economic	Available
75	Drehnk	<i>Melia azedarach</i>	Wild	Social and Economic	Available
76	Kaam	<i>Mitragyna parvifolia</i>	Wild	Social and Economic	Available



77	Toot	<i>Morus alba</i>	Wild	Social and Economic	Available
78	Drenkeri	<i>Murraya koenigii</i>	Wild	Social and Economic	Available
79	Gandila	<i>Nerium oleander</i>	Wild	Social and Economic	Available
80	Kua	<i>Olea europaea</i> subsp.	Wild	Social and Economic	Available
81		<i>cuspidata</i>	Wild	Social and Economic	Available
82	Chhitter	<i>Opuntia elatior</i>	Wild	Social and Economic	Available
83	Tetar	<i>Oroxylum indicum</i>	Wild	Social and Economic	Available
84	Congress Grass or Jari	<i>Parthenium hysterophorus</i>	Wild	Social and Economic	Available
85	Deena nath grass	<i>Pennisetum pedicellatum</i>	Wild	Social and Economic	Available
86	Napier grass	<i>Pennisetum purpureum</i>	Wild	Social and Economic	Available
87	Khajoor	<i>Phoenix sylvestris</i>	Wild	Social and Economic	Available
88	Amla	<i>Phyllanthus emblica</i>	Wild	Social and Economic	Available
89	Chir	<i>Pinus roxburghii</i>	Wild	Social and Economic	Available
90	Daduni	<i>Punica granatum</i>	Wild	Social and Economic	Available
91	Jojra	<i>Pupalia lappacea</i>	Wild	Social and Economic	Available
92	Basant panchami	<i>Reinwardtia indica</i>	Wild	Social and Economic	Available

93	Arnid	<i>Ricinus communis</i>	Wild	Social and Economic	Available
94	Junglee Palak	<i>Rumex hastatus</i>	Wild	Social and Economic	Available
95	Khar	<i>Saccharum bengalense</i>	Wild	Social and Economic	Available
96	Kai	<i>Saccharum spontaneum</i>	Wild	Social and Economic	Available
97	Reetha	<i>Sapindus mukorossi</i>	Wild	Social and Economic	Available
98	Bari kasondi	<i>Senna occidentalis</i>	Wild	Social and Economic	Available
99	Kassod	<i>Senna siamea</i>	Wild	Social and Economic	Available
100	Cassia	<i>Senna sulfurea</i>	Wild	Social and Economic	Available
101	Panwar	<i>Senna tora</i>	Wild	Social and Economic	Available
102	Kezun grass	<i>Setaria sphacelata</i>	Wild	Social and Economic	Available
103	Kayan Kothi	<i>Solanum americanum</i>	Wild	Social and Economic	Available
104	Ban tamakoo	<i>Solanum erianthum</i>	Wild	Social and Economic	Available
105	Jamun	<i>Syzygium cumini</i>	Wild	Social and Economic	Available
106	Imli	<i>Tamarindus indica</i>	Wild	Social and Economic	Available
107	Phul dudi	<i>Tarxacum campylodes</i>	Wild	Social and Economic	Available
108	Arjun	<i>Terminalia arjuna</i>	Wild	Social and Economic	Available

109	Bahera	<i>Terminalia bellirica</i>	Wild	Social and Economic	Available
110	Harar	<i>Terminalia chebula</i>	Wild	Social and Economic	Available
111	Giloe	<i>Tinospora sinensis</i>	Wild	Social and Economic	Available
112	Tunu	<i>Toona ciliata</i>	Wild	Social and Economic	Available
113	Jiyo	<i>Trema orientalis</i>	Wild	Social and Economic	Available
114	Pakhra	<i>Tribulus terrestris</i>	Wild	Social and Economic	Available
115	Kayalu	<i>Tulipa clusiana</i>	Wild	Social and Economic	Available
116	Bachita	<i>Urena lobata</i>	Wild	Social and Economic	Available
117	Bana	<i>Vitex negundo</i>	Wild	Social and Economic	Available
118	Pansar	<i>Wendlandia exserta</i>	Wild	Social and Economic	Available
119	Dhain	<i>Woodfordia floribunda</i>	Wild	Social and Economic	Available
120	Dhain	<i>Woodfordia fruticosa</i>	Wild	Social and Economic	Available
121	Dudhi	<i>Wrightia arborea</i>	Wild	Social and Economic	Available
122	Jojera	<i>Xanthium strumarium</i>	Wild	Social and Economic	Available
123	Timbru	<i>Zanthoxylum armatum</i>	Wild	Social and Economic	Available
124	Ber	<i>Ziziphus jujuba</i>	Wild	Social and Economic	Available

### 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
					Past	Present				
Akk	<i>Ipomea carnea</i>	Shurb		Stream & ponds	Available	Available	NA	NA	NA	Self observed
Hygrilla	<i>Hydrilla spp</i>	Grass		Stream & stable water	Available	Available	NA	NA	NA	Self observed
Fish	Vertebrat	Animal		Stream	Available	Available	NA	NA	NA	Self observed
Frog	Anura	Animal		Stream	Available	Available	NA	NA	NA	Self observed
Dinnu		wild		Stream	Available	Available	No use	Unknown	Unknown	Self observed
Sarkad		Wild		Stream	Available	Available	For eating	Unknown	Unknown	Self observed
Lotus	<i>Nelumbo nucifera</i>	soft plant		Ponds	Available	Available	Worship	Unknown	Unknown	Self observed

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

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Sl. No</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Variety</b>	<b>Importance</b>	<b>Trends</b>
1	Kamal	<i>Nelumbo nucifera</i>	local	Worshipping	unknown
2	Aak	<i>Calotropis gogantea</i>	local	None	unknown
3	Hydrilla	<i>Hydrilla verticillata</i>	local	None	unknown

**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	Others details market/own use	Community/ Knowledge Holder
					Past	Present					
Tree	Khair	<i>Acacia catechu</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Phulai or Fly	<i>Acacia modesta</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Kikar	<i>Acacia nilotica</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Parkanda	<i>Achyranthes aspera</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Bel	<i>Aegle marmelos</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Kramblu	<i>Albizia odoratissima</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Neem	<i>Azadirachta indica</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Simbal	<i>Bombax ceiba</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Shrubs	Bhang	<i>Cannabis sativa</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Shrubs	Garna	<i>Carissa spinarum</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Krangal	<i>Cassia fistula</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Herbs	Brahmi buti	<i>Centella asiatica</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Herbs	Khas Khas	<i>Chrysopogon zizanoides</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	

Tree	Kapoor	<i>Cinnamomum camphora</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Fagora	<i>Ficus palmata</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Rumble	<i>Ficus racemosa</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Toot	<i>Morus alba</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Shrubs	Drenkeri	<i>Murraya koenigii</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Khajoor	<i>Phoenix sylvestris</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Amla	<i>Phyllanthus emblica</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Reetha	<i>Sapindus mukorossi</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Jamun	<i>Syzygium cumini</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Imli	<i>Tamarindus indica</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Arjun	<i>Terminalia arjuna</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Bahera	<i>Terminalia bellirica</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Harar	<i>Terminalia chebula</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Climber	Giloe	<i>Tinospora sinensis</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	

**Format 23 Wild Relative of Crops**

1	2	3	4	5		6	7	8	9	10
Local name	Scientific Name	Variety	Landscape /Habitat	Local Status		Associated TK	Uses(usage)	Part used	Others details market/own use	Community/ Knowledge Holder
				Past	Present					
Panjfulli			Sub-tropical	Available	Available	Medical	leaves			
Congress Jadi	<i>Parthenium hysterophorus</i>		Sub-tropical	Available	Available	Medical	leaves			
Chaleri Saag	<i>Amaranthus viridis</i>	Saag	Sub-tropical	Available	Available	Edible	Leaves	Unknown	unknown	Self addressed
Jangli Pudina	<i>Mentha arvensis</i>	Putna	Sub-tropical	Available	Available	To cure stomach ache	Leaves	Unknown	unknown	self adressed
Jangli Palak	<i>Rumex dentatus</i>	Palak	Sub-tropical	Available	Available	Edible	Leaves	Unknown	unknown	Self addressed



### 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
kringal	<i>Casia fistula</i>	Tree	Sub Tropical	Non-Commercial	N.A	N.A	Self observed
Gandera	<i>Nerium oleander</i>	Tree	Sub Tropical	Non-Commercial	N.A	N.A	Self observed
Badah	<i>Salix alba</i>	Tree	Sub Tropical	Non-Commercial	N.A	N.A	Self observed
karal	<i>Bauhinia variegata</i>	Tree	Sub Tropical	Non-Commercial	N.A	N.A	Self observed
Tulsi	<i>Ocimum tenuiflorum</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Cactus	<i>Cactaceae</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Aloevera	<i>Aloe barbadensis miller</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Ashoka	<i>Saraca asoca</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Bottle brush	<i>Callistemon Lanceolatus</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Silver Oak	<i>Grevillea robusta</i>		Sub tropical	Non-commercial		Unavailable	Self observed

Raat Ki Rani	<i>Cestrum nocturnum</i>		Sub tropical	Non-commercial		Unavailable	Self observed
Sukh Chain	<i>Pongamia Pinata</i>		Sub tropical	Non-commercial		Unavailable	Self observed
Panjtara	<i>Tara spinosa</i>		Sub tropical	Non-commercial		Unavailable	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	Others details( mode of use)	Community Knowledge Holder
					6	Present					
Tree	Amrood	<i>Psidium guajava</i>	Local	Sub tropical	Available	Available	Oral health care	leaves, branches	unknown	fruit	self observed
Shrub	Bana	<i>Vitex negundo</i>	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	leaves have medicinal value	self observed
Tree	Shisham	<i>Dalbergia sissoo</i>	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	furniture wood	self observed
Tree	Neem	<i>Azadirachta indica</i>	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	leaves have medicinal value	self observed
Shrub	Peach	<i>Prunus persica</i>	Local	Sub tropical	Available	Available	Oral health care	leaves, branches	unknown	fruit	self observed
Climber	Giloy	<i>Tinospora sinensis</i>	Local	Sub tropical	Available	Available	Oral health care	stem	unknown	unknown	self observed
Shrub	Drenkari	<i>Murraya koenigii</i>	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	unknown	self observed
Tree	Khajoor	<i>Phoenix sylvestris</i>	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	fruits	self observed
Shurb	Garna	<i>Carissa spinarum</i>	Tree	Sub Tropical	Available	Available	Medical	Leaves, Flowers	Medical	NA	self observed
Shurb	Brahmi buti	<i>Centella asiatica</i>	Tree	Sub Tropical	Available	Available	Medical	Leaves, Flowers	Medical	NA	self observed
	Trimbru	<i>Tectona grandis</i>		Sub Tropical	Available	Available					self observed

	Tulsi	<i>Ocimum tenuiflorum</i>		Sub Tropical	Available	Available					self observed
	Pudina	<i>Mentha</i>		Sub Tropical	Available	Available					self observed
	Brankdu			Sub Tropical	Available	Available					self observed
	Philal			Sub Tropical	Available	Available					self observed











**Format 28: Wild Animals( Mammals, Birds, reptiles, Amphibia, Insects, Others)**

1	2	3	4	6	7		8	9	10	11	12
Animal Type	Local name	Scientific Name	Habitat	Season when seen	Local Status		Uses( if any)	Associated TK	Mode of Hunting, Collecting( if any)	Others details	Community Knowledge Holder
					Past	Present					
Mammals	Chitra	<i>Panthera pardus</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed
Mammals	Jungali Billi	<i>Felis chaus</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed
Mammals	Mongoose	<i>Herpsters aurpunctatus</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed
Mammals	Indian Fox	<i>Vulpes bengalensis</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed
Mammals	Five Stripped Palm Squirrel	<i>Funambulus penanti</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed
Mammals	Field Mouse	<i>Mus boodnga</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed
Mammals	Indian Porcupine (sahi)	<i>Hustrix indica</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed
Mammals	Leopard	<i>Panthera pardus</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed
Reptiles	Snake	<i>Serpentes</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed

Mammals	Squirrel	<i>Sciuridae</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Null	self observed
Mammals	Wild boar	<i>Sus scrofa</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Null	self observed
Mammals	Porcupine	<i>Erethizon deosaton</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Null	self observed
Mammals	Fox	<i>Vulpes vulpes</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Null	self observed
Birds	Jungle fowl	<i>Gallus</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Null	self observed
Amphibian	Frog	<i>Anura</i>	jungle	Monsoon	available	available	Unknown	Unknown	Unknown	Null	self observed
Birds	Grey francolin	<i>Francolinus pondicerianus</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Null	self observed
Mammals	Monkey	<i>Cercopithecidae</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Null	self observed
Mammals	Rabbit	<i>Oryctolagus cuniculus</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Null	self observed
Mammals	Pig	<i>Sus scrofa domesticus</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Null	self observed
	Saay				available	available	Unknown	Unknown	Unknown	Null	self observed

**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 30: Fauna**

1	2	3	4	5	6
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)

**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>

*End of Part II*