

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti Bhoond

taluk: Bhoond

District: Kathua

State: Jammu & Kashmir

Geographical Area of the Panchayat Samiti: 257.0 heacter

Population under the Panchayat Samiti: Total 2475

Male 1305. **Female** 1170

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)

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: Kuldeep Raj

Age: 34

Gender: Male

Address: Panchyat bhoond

Area of specialization:

2) Name: Guddu ram

Age: 35

Gender: Male

Address: Panchyat bhoond

Area of specialization:

3)Name: Reva devi

Age: 30

Gender: Female

Address: pyt bhoond

Area of specialization:

4)Name: Neelama devi

Age: 32

Gender: Female

Address: Panchayat bhoond

Area of specialization:

5)Name: Ab. salam

Age: 59

Gender: male

Address: pyt bhoond

Area of specialization:

6)Name: Vishal ghai

Age: 40

Gender: male

Address: pyt bhoond

Area of specialization:

7)Name: Krishan chand

Age: 54

Gender: male

Address: manhpur

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:** Krishno Devi w/o Dharam Chand

Age: 62

Gender: Female

Address: Mora Kangle Village Bhoond

Area of specialization: Kidney, Gull Stone, Joint Pain< Gastric Issues

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) **Name:**

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) **Name:**

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

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:

Age:

Gender:

Address:

Area of specialization:

2) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

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:** Rajan I/C AEO (Agriculture)

Name and Address: R/o Gura Meldian, Hiranagar

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**

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

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	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
	<i>Oryza sativa</i>	Dhan, Munji	Pac-807	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	K-343	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.	
Til	<i>Seasamum indicum</i>	til	Punjab til -1	White seed Variety . Matures in 80-85 days . Plant hight 1.3-1.6 mtr.		Abundant	Abundant	High yielding Variety	June- Oct	Oil,		Suitable of Plain & Mid Hills	Agri. Deptt.	
Pulses (Mash)	<i>Vigna mungo</i>	Maa/ Mash	T-9	Matures in 85-90 days. Suitable for plain & Mid hills		Abundant	Abundant	High yielding Variety	June- Aug	Food	hight Protein contents	Suitable of Plain & Mid Hills	Agri. Deptt.	
Okra	<i>Abelmoschus esculentus Moench</i>	Bhindi	Pusa A-4	Dark green and fruit size 12-15 cm long		Abundant	Abundant	High yield Variety , tolerant to YVM and aphids, First picking starts in 45 days	Feb- March June- July (rainy season)	Food		Suitable of Plain & Mid Hills	Agri. Deptt.	
Tomato	<i>Solanum lycopersicum</i>	Tamatar,	Kashi (DVRT-2)	Plant are Green, Fruit are red , spherical medium to large sized		Abundant	Abundant	First harvest at 70-75 days after transplanting . Resistant to TLCV.	Transplanting Jan to Mid Feb	Food	Resistant to TLCV.	Suitable of Plain & Mid Hills	Agri. Deptt.	
Knol khol	<i>Brassica oleracea</i>	Kadam	Purple Vienna	Cool & moist climate		Abundant	Abundant	Matures in 70-75 days. Knobs are purplish & fleshy greenish white.	mainly as a winter crop.	As vegetable pickles.	Rich in fibre.	For early crop sandy or sandy loam soils & for late crop clay loam & silty soils are preferred.	Agri. Deptt.	

Potato	<i>Solanum tuberosum</i>	Aaloo		Cool & moist climate		Medium	Medium	Oct-June					Agri. Deptt.	
Turmeric	<i>Curcuma longa</i>	Haldi				Medium	Medium	April-October					Agri. Deptt.	
Ginger	<i>Zingiber officinale</i>	Adrak				Medium	Medium	April-October					Agri. Deptt.	
Gram	<i>Cicer arietinum</i>	Gram				Medium	Medium	Nov-April					Agri. Deptt.	

The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 'other details' vary with the nature of crops. For measuring local status, there need to identify a particular year - significant changes in ecology occurred - and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation practices, propagation techniques, usage etc can be included in the column 8, in associated TK.

Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Papaya	<i>Carica papaya</i>	Papita	Desi unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	All season	Own uses	_	_
Mandarin	<i>Citrus reticulata</i>	Sangtra	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	April-September	Own uses	_	_
Grapes	<i>Vitis vinifera</i>	Angoor	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	June-september	Own uses	_	_
Anola	<i>Phyllanthus emblica</i>	Amla	Desi unbudded	Agricultural Land	Rare	Rare	_	Plants	October-December	Own uses	_	_
Pear	<i>Pyris communis</i>	Nakh	Desi unbudded	Agricultural Land	Rare	Rare	_	Plants	August - November	Own uses	_	_
Sweet Lime	<i>Citrus limetoides</i>	Metha	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	April-May	Own uses	_	_
Mousambi	<i>Citrus aurantifolia</i>	Mosambi	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	April-September	Own uses	_	_
Guava	<i>Psidium guajava</i>	Amrud	Desi unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	August - November	Own uses	_	_
Lemon	<i>Citrus aurantifolia</i>	Nimbu	Desi unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	November-December	Own uses	_	_
Trimbli		Trimbli	Desi unbudded	Agricultural Land	Rare	NA	_	Plants	May-June	Own uses	_	_
Banana	<i>Musa paradisisca</i>	Kela	Desi unbudded	Agricultural Land	Rare	Rare	_	Plants	July-August	Own uses	_	_
Jamun	<i>Syzygium cumini</i>	Jamun	Desi unbudded	Agricultural Land	Rare	Available	_	Seeds/ Plants	March-July	Own uses	_	_

Rubus	<i>Rubus ellipticus</i>	Akhra	Wild unbudded	Agricultural Land	Rare	Rare	_	Plants	May-June	Own uses	_	_
Bael	<i>Aegle marmelos</i>	Bael	Wild unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	March-June	Own uses	_	_
Wild Khajoor	<i>Phoenix sylvestris</i>	Wild Khajoor	Wild unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	October-December	Own uses	_	_
Kamlu		Kamlu	Wild unbudded	Agricultural Land	Rare	Rare	_	Plants	May-June	Own uses	_	_
Almond	<i>Prunus dulcis</i>	Badam	Californi	Agricultural Land	Rare	Rare	_	Plants	Feb-April	Own uses	_	_
Phagwari	<i>Fragaria nubicola</i>	Phagwaara	Wild unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	April-June	Own uses	_	_
Toot	<i>Morus indica</i>	Shahtoot	Wild unbudded	Agricultural Land	Rare	Rare	_	Plants	July-August	Own uses	_	_
Peach	<i>Prunis persica</i>	Aado	Selection	Agricultural Land	Rare	Rare	_	Seeds/ Plants	March-June	Own uses	_	_
Karonda	<i>Carissa carandas</i>	Garna	Wild unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	March-August	Own uses	_	_
Ber	<i>Zizyphus mauritiana</i>	Ber	Wild unbudded	Agricultural Land	Rare	Available	_	Seeds/ Plants	Feb-April	Own uses	_	_
Plum	<i>Prunus dulcis</i>	Aloo bakhara	Satluj/ sanat/ Rosa	Agricultural Land	Rare	Rare	_	Seeds/ Plants	March-July	Own uses	_	_

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					
Sorghum	<i>Sorghum bicolor</i>	Jowar	Warm climate crop	Plenty	Plenty	Agri. Deptt.	Rich in protein and minerals	Part used whole plant	Soil with clay loam texture having good water retention capacity are best suitable for its cultivation	
Berssem	<i>Trifolium alexandrinum</i>	Beerseen	winter forage.	Plenty	Plenty	Agri. Deptt.	Rich in protein and minerals	Part used whole plant. Repeated cuts can be taken .	Improves physical condition of soil . It can be grown in all types of soil expect very light sandy soil	

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					
Lantana	<i>Lantana camara</i>					Plenty	Plenty	Nil				
Congress grass	<i>Parthenium hysterophorus</i>					Plenty	Plenty	Nil				
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	
Sitti	<i>Phalaris minor</i>	Sitti, Gehoon ka mama, Gulli Danda	Wheat	Compete with nutritions, light and space with wheat crop and reduces the productionNarrow Leaf Weed	Grows with Wheat crop	Plenty	Plenty	Nil	1. Use of Weedicides metribuzinie @200Gms/ha dissolved in 500-600 l of water		Hady and wider adoptability, multiply very fast	
Dhoob	<i>Cynodon dactylon</i>	Dhoob	Maize	Weed emerg with the germination with Maize seed and grow along with plants till the early growth period and cause sever crop weed compitation.	Grows with Maize crop	Plenty	Plenty		1). 2-3 Weeding follwed by earthingup. 2). pre emergence appliation Atrazine @ 1-1.25 Kg / per ha of 50% WP		Losses caused by Weeds are more during early stage than in later stages.	

Format 5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	Scientific name	Local name	Habitat	Time / season of attack	Management mechanism	Associated TK	Other details	Community knowledge holder
Paddy	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>Dicladisa 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 fedders.	
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	

Wheat	Termites	<i>Microtermes obesi</i>	seenak, seonk, white ant,	Generally appears at wet places, lives in nests made under ground	through out the year	<ol style="list-style-type: none"> 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 thoroughly . Boradcast this treated soil in the infested areas. 	These are Social insect that lives under ground in colonies.	The damage plant dry up completely and are easily pulled out	
Maize	Stem borer	<i>Chilo partellus</i>	Lurhi, kidda,	Occurs through out the country	July onward . 15-20 days after Germination	<ol style="list-style-type: none"> 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 through out the country but especially Hilly areas	July onward .	<ol style="list-style-type: none"> 1. Install light traps @2/Ha 2. Install Pheromones traps @40/Ha to attract to kill the male moths 3. Chlorpyriphos 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	<ol style="list-style-type: none"> 1. Release of <i>Trichogramma chilonis</i> @50000 adults/ha per release (6 times)at weekly interval in Mid January 2. Donot spray the crop near harvesting 			

Vegetable	Fruit fly	Bactrocera cucurbitae	Titili	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.	
Pear, Plum , Peach	Insect	<i>Myzus persicete</i>	Green aphid	Soil	Winter season	Biological / chemical			
Apricot, Apple	Insect	<i>Quadraspidiotus perniciosus</i>	Sanjose saele		Full Year	Biological / chemical			
Walnut, Almond	Insect	<i>Eriosoma lanigerum</i>	Woolly aphid	Soil	Feb-April	Biological / chemical			
Citrus	Insect	<i>Nasutitermes spp</i>	Termites	Soil	All season	Biological / chemical			
Citrus	Insect	<i>Aonidiella aurantii</i>	Red scale	Soil	All season	Biological / chemical			
Mango	Insect	<i>Sternochetus mangiferae</i>	Seed weevil	Soil	All season	Biological / chemical			
Mango	Insect	<i>Penicillaria jocosatrix</i>	Shoot Caterpillar	Soil	All season	Biological / chemical			
Mango	Insect	<i>Nasutitermes spp</i>	Termites	Soil	All season	Biological / chemical			
Citrus, Mango, Litchi, Guava	Insect	<i>Pseudococcus longispinus.</i>	Mealy bug	Soil	All season	Biological / chemical			
Citrus, Mango, Litchi, Guava	Insect	<i>Isoptera spp.</i>	Termites	Soil	All season	Biological / chemical			

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
General (1400)	Labourer	Agriculture	40%	Seasonal	Traditional	Traditional	Rajpu	Average	Labourer/ Farmers	100
	Labourer	Agriculture		Seasonal	Traditional	Traditional	Brahman	Average	Labourer/ Farmers	28
	Labourer	Agriculture		Seasonal	Traditional	Traditional	Muslim	Average	Labourer/ Farmers	55
SC (100)	Labourer	Agriculture	35%	Seasonal	Traditional	Traditional	Chamar	Average	Labourer/ Farmers	18
ST (800)	Labourer	Agriculture	35%	Seasonal	Traditional	Traditional	Gujjar	Average	Labourer/ Farmers	90
OBC (175)	Labourer	Agriculture	40%	Seasonal	Traditional	Traditional	Tarkhan	Average	Labourer/ Farmers	30
	Labourer	Agriculture		Seasonal	Traditional	Traditional	Teli	Average	Labourer/ Farmers	
	Labourer	Agriculture		Seasonal	Traditional	Traditional	Lohar	Average	Labourer/ Farmers	

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 - Landscape s	Feature s 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	Not Applicable	Not	Cultivated Land	-	Private	Local Plants&some wild Plants	Insects	Local People	Modern Agricultural Practices	Agricultural	Unknown	Unknown	Local People
		Applicable											
Irrigated land	Not applicable	Not applicable	Irrigated Land	-	Govt. & Private	Acquatic Plants	Insects	Local People	Modern Agricultural 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

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

Format 9: Waterscape

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Waterscape element type	Sub Type	Features and approx. area	Ownership	General Flora	General Fauna	Major uses	User Groups	Management Practices	General Uses	Associated TK	Other Details	Community Accessed
Stream	-	Direct small underground streams	Govt. land, Revenue,	Mostly ferns, Bryophytes	Amphibians	Daily household & Drinking	Local people	Small Check Dams	Drinking, Washing	Unknown	Unknown	Local People
Nalas	-	Tributary of Khads	Govt. land, Revenue,	Flowers, Fruits	Frog, Fish, Snake	Irrigation, Washing	Local people	Small Check Dams	Washing	Unknown	Unknown	Local People
Ponds	-	Dependent on Rainwater	Govt. land, Revenue, Private	Flowers, Fruits	Frog, Fish, Snake	Irrigation, Fish production	Local people	Eradication of weeds	Irrigation	Unknown	Unknown	Local People

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

Format 10: Soil type

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable	Flora and fauna	Associated TK	Other information
Brown 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: FRUITS TREES DOMESTICATED BIODIVERSITY

1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
Mango	<i>Mangifera indica</i>	Aam	Dashrei Amrapali Malika	Agricultural Land	Available	Abundant	Seeds/ Plants	March-july	–	–	Own/ Market	–
Guava	<i>Psidium guajava</i>	Amrud	L-49 Allahabad safeda	Agricultural Land	Rare	Available	Seeds/ Plants	August- december	–	–	Own/ Market	–
Lemon	<i>Citrus aurantifolia</i>	Nimbu	Kagzi, Kumkath	Agricultural Land	Available	Available	Seeds/ Plants	November- december	–	–	Own/ Market	–
Papaya	<i>Carica papaya</i>	Papita	Red lady, washington	Agricultural Land	Rare	Rare	Seeds/ Plants	All seasons	–	–	Own/ Market	–
Mandarin	<i>Citrus reticulata</i>	Sangtra	Grafted	Agricultural Land	Rare	Rare	Seeds/ Plants	April- September	–	–	Own/ Market	–
Grapes	<i>Vitis vinifera</i>	Angoor, Daakh	Thomson seedless prietete	Agricultural Land	Rare	Rare	Seeds/ Plants	June- september	–	–	Own/ Market	–
Amla	<i>Phyllanthus emblica</i>	Amla	NA-7 Banarsi	Agricultural Land	Rare	Rare	Plants	August- November	–	–	Own/ Market	–

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,seeds	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	Bill-Patre	<i>Angle mermelos</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	Chilla	<i>Casearia tomentosa</i>	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Chir	<i>Pinus rouxburghii</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	Melia azedarach	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	_
Tree	Amla	<i>Phyllanthus emblica</i>	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Herb	Brahmi	<i>Centella asiatica</i>	Herb	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Shrubs	Garna	<i>Carissa</i>	Shrub	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Shrubs	Drenkeri	<i>Murraya</i>	Shrub	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_

Format 13: Ornamental Plants/Trees/Climbers etc.

1	2	3	4	5	6	7	8	9	10
Plant type	Local Name	Scientific Name	Variety	Source of Plant/Seeds	Commercial/Non-commercial	Uses	Associated Tk	Other Details	Community/Knowledge Holder
Ornamental Tree	Kachnar	<i>Bauhinia variegata</i>		Nurseries/Forest	Non commercial	Ornamental/Landscaping	Used for Dysentery, Diarrhoea	Pink flowers in Summer	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Nerium	<i>Nerium oleander</i>		Nurseries	Non commercial	Ornamental/Landscaping	Epilepsy, cancer	Avenue plantation	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Saru	<i>Thuja orientalis</i>		Nurseries	Non commercial	Ornamental/Landscaping	Respiratory tract infections	Foliage Bush	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Kaner	<i>Thevetia peruviana</i>		Nurseries	Non commercial	Ornamental/Landscaping	Fevers	Flower most of the year	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Bottle Brush	<i>Callistemmon spp.</i>		Nurseries	Non commercial	Ornamental/Landscaping	Theraputic uses	Foilage and flowers	Floriculturists/Nurserymen/Gardeners
Bushes/ shrubs	Bogan Bael	<i>Boughanbhallia</i>		Nurseries	Non commercial	Ornamental/Landscaping	Antidiabetic, antiinflammatory	Multicoloured flowers	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Golden Duranta	<i>Duranta repens</i>		Nurseries	Non commercial	Ornamental/Landscaping	Beneficial in itching, malaria, asthma etc.	Foliage, Edging	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Hibiscus	<i>Hibiscus rosasinensis</i>		Nurseries	Non commercial	Ornamental/Landscaping	Used in fever, constipation	Flower throughout the year	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Motia	<i>Jasminum sambac</i>		Nurseries	Non commercial	Ornamental/Landscaping	Used in Hepatitis, dysentery	Flower throughout the year	Floriculturists/Nurserymen/Gardeners
Pot Plants	Agave	<i>Agave angustifolia</i>		Nurseries	Non commercial	Ornamental/Landscaping	Traditional medicines	Succulent	Floriculturists/Nurserymen/Gardeners

Format 14: Timber Plants / Trees

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ home-garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
				Past	Present					
Tree	Shisham	<i>Dalbergia sissoo</i>	Sub Tropical	Available	Available	Wild/Garden	Furniture	Wood used for furniture	Unknown	–
Tree	Kimu	<i>Morus serrata</i>	Sub Tropical	Available	Less	Wild/Garden	Furniture	Wood used for furniture	Unknown	–
Tree	Tuni	<i>Cedrela toona</i>	Sub Tropical	Available	Available	Wild/Garden	Furniture	Wood used for furniture	Unknown	–
Tree	Chir	<i>Pinus roxburghii</i>	Sub Tropical	Available	Available	Wild	Furniture	Wood used for making agriculture equipments	Unknown	–
Tree	Sagwan	<i>Tectona grandis</i>	Sub Tropical	Available	Available	Wild/Garden	Furniture	Wood used for making agriculture equipments	Unknown	–
Tree	Dhaman	<i>Grevia optiva</i>	Sub Tropical	Available	Available	Wild	Agriculture	Wood used for making agriculture equipments	Unknown	–
Tree	Safeda	<i>Eucalyptus Spp.</i>	Sub Tropical	Available	Available	Wild	Furniture	Wood used for furniture	Unknown	–
Tree	Khair	<i>Acacia catechu</i>	Sub Tropical	Available	Available	Wild	Agriculture	Wood used for making agriculture equipments	Unknown	–
Tree	Phulai or Fly	<i>Acacia modesta</i>	Sub Tropical	Available	Available	Wild	Agriculture		Unknown	–
Tree	Simbal	<i>Bombax ceiba</i>	Sub Tropical	Available	Available	Wild	Furniture		Unknown	–
Tree	Jamun	<i>Syzygium cumini</i>	Sub Tropical	Available	Available	Wild	Furniture		Unknown	–

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					
Cow	Gaay/goo	<i>Bos indicus</i>	Hyrid	High Fertility, High Milk Yield	Domesticated	Available	Available	Milk+ Cow Dung	Highly Nutritious & complete diet	Yes	Nil	Self Observed
			Local	Low Milk Yield , adoptable to local climatic condition					Highly Nutritious	No		
Buffalo	Bhains/ Maain	<i>Bubalus bubalis</i>	Local/ Upgraded	Black in Colour/ Moderate to High Milk yield with High Fat %age	Domesticated	Available	Available	Milk & Dung	Considered more energetic due to High fat %age	Commercial in upgraded , Non commercial in local	Nil	Self Observed
Ox	Bael/Dand	<i>Bos indicus</i>	Local/ Hyrid	Ploughing & Carriage	Domesticated	Available	Available	Ploughing & Carriage	-	No		Self Observed
Dog	Kutta	<i>Cannis lupus familiaris</i>	Local/ Hyrid	Pet	Domesticated & Stray	Available	Available	Guarding & Watching	-	No	Nil	Self Observed
Horse/ Mules/Donkey	Ghoda/ Khachar/Khota	<i>Equus caballus</i>	Local/ Hyrid	-	Domesticated	Available	Available	Carriage & Cart Pulling	-	No	Nil	Self Observed
Buff Bull	Chotta	<i>Bubalus bubalis</i>	Local	-	Domesticated	Rare	Rare	Breeding and ploughing	-	No	Nil	Self Observed
Cat	Billi	<i>Felis catus.</i>	Local	-	Domesticated & Free Roaming	Available	Available	No	-	No	Nil	Self Observed
Poultry	Kukad/Kukdi	<i>Gallus gallus</i>	Local/ Hyrid	-	Domesticated	Available	Available	Meat & Egg Production	-	Yes	Nil	Self Observed

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												
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	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Amlı	<i>Phyllanthus emblica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicinal use	Self observed
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	Kembal	<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	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	Phulai	<i>Acacia modesta</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	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	Bilan	<i>Aegle marmelos</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Gandila	<i>Nerium oleander</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Gulmorh	<i>Delonix regia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Rumble	<i>Ficus racemosa</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/ 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	Harad	<i>Terminalia chebula</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/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	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
Shrubs	BRANKED	<i>Justicia adhatoda</i>	Shrubs	Sub - Tropical	Available	Available	Own Use	Leaves	Unknown	Medicinal use	Self observed
Tree	KHAR	<i>Saccharum bengalense</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves	Unknown	Medicinal use	Self observed

Format 19: Wild Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Rati	<i>Abrus 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	Kala Siris	<i>Albizia lebbek</i>	Wild	Social and Economic	Available
9	Kramblu	<i>Albizia odoratissima</i>	Wild	Social and Economic	Available
10	Nad	<i>Arundo donax</i>	Wild	Social and Economic	Available
11	Bamboo	<i>Bambusa bambos</i>	Wild	Social and Economic	Available
12	Baloonger	<i>Bauhinia vahlii</i>	Wild	Social and Economic	Available
13	Simbal	<i>Bombax ceiba</i>	Wild	Social and Economic	Available
14	Jungli toot	<i>Broussonetia papyrifera</i>	Wild	Social and Economic	Available
15	Plaah	<i>Butea monosperma</i>	Wild	Social and Economic	Available
16	Bhang	<i>Cannabis sativa</i>	Wild	Social and Economic	Available
17	Chilla	<i>Casearia tomentosa</i>	Wild	Social and Economic	Available
18	Krangal	<i>Cassia fistula</i>	Wild	Social and Economic	Available
19	Brahmi buti	<i>Centella asiatica</i>	Wild	Social and Economic	Available
20	Khas Khas	<i>Chrysopogon zizanoides</i>	Wild	Social and Economic	Available

21	Bhus	<i>Cirsium arvense</i>	Wild	Social and Economic	Available
22	Sanali or Dussa	<i>Colebrookea oppositifolia</i>	Wild	Social and Economic	Available
23	Barna	<i>Crateva religiosa</i>	Wild	Social and Economic	Available
24	Amar Bel	<i>Cuscuta reflexa</i>	Wild	Social and Economic	Available
25	Shudri	<i>Cynoglossum lanceolatum</i>	Wild	Social and Economic	Available
26	Decla	<i>Cyperus rotundus</i>	Wild	Social and Economic	Available
27	Tali	<i>Dalbergia sissoo</i>	Wild	Social and Economic	Available
28	Dhatura	<i>Datura stramonium</i>	Wild	Social and Economic	Available
29	Baans	<i>Dendrocalamus strictus</i>	Wild	Social and Economic	Available
30	Palain	<i>Dichanthium annulatum</i>	Wild	Social and Economic	Available
31	Santha	<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
32	Safeda	<i>Eucalyptus camaldulensis</i>	Wild	Social and Economic	Available
33	Hybrid safeda	<i>Eucalyptus tereticornis</i>	Wild	Social and Economic	Available
34	Thor	<i>Euphorbia royleana</i>	Wild	Social and Economic	Available
35	Fagora	<i>Ficus palmata</i>	Wild	Social and Economic	Available
36	Rumble	<i>Ficus racemosa</i>	Wild	Social and Economic	Available
37	Badh or Pipal	<i>Ficus religiosa</i>	Wild	Social and Economic	Available
38	Kakoa	<i>Flacourtia indica</i>	Wild	Social and Economic	Available
39	Dhaman	<i>Grewia optiva</i>	Wild	Social and Economic	Available
40	Lamb grass	<i>Heteropogon contortus</i>	Wild	Social and Economic	Available
41	Aakh	<i>Ipomoea carnea</i>	Wild	Social and Economic	Available
42	Brenker	<i>Justicia adhatoda</i>	Wild	Social and Economic	Available
43	Kemal	<i>Lannea coromandelica</i>	Wild	Social and Economic	Available
44	Panjphuli	<i>Lantana camara</i>	Wild	Social and Economic	Available
45	Mithu grass	<i>Lathyrus sativus</i>	Wild	Social and Economic	Available
46	Kamila	<i>Mallotus philippensis</i>	Wild	Social and Economic	Available
47	Baryar	<i>Malvastrum coromandelianum</i>	Wild	Social and Economic	Available

48	Aam	<i>Mangifera indica</i>	Wild	Social and Economic	Available
49	Drehnk	<i>Melia azedarach</i>	Wild	Social and Economic	Available
50	Toot	<i>Morus alba</i>	Wild	Social and Economic	Available
51	Kua	<i>Olea europaea</i> subsp.	Wild	Social and Economic	Available
52		<i>cuspidata</i>	Wild	Social and Economic	Available
53	Congress Grass or Jari	<i>Parthenium hysterophorus</i>	Wild	Social and Economic	Available
54	Khajoor	<i>Phoenix sylvestris</i>	Wild	Social and Economic	Available
55	Amla	<i>Phyllanthus emblica</i>	Wild	Social and Economic	Available
56	Chir	<i>Pinus roxburghii</i>	Wild	Social and Economic	Available
57	Daduni	<i>Punica granatum</i>	Wild	Social and Economic	Available
58	Jojra	<i>Pupalia lappacea</i>	Wild	Social and Economic	Available
59	Arnid	<i>Ricinus communis</i>	Wild	Social and Economic	Available
60	Junglee Palak	<i>Rumex hastatus</i>	Wild	Social and Economic	Available
61	Khar	<i>Saccharum bengalense</i>	Wild	Social and Economic	Available
62	Kai	<i>Saccharum spontaneum</i>	Wild	Social and Economic	Available
63	Reetha	<i>Sapindus mukorossi</i>	Wild	Social and Economic	Available
64	Bari kasondi	<i>Senna occidentalis</i>	Wild	Social and Economic	Available
65	Kassod	<i>Senna siamea</i>	Wild	Social and Economic	Available
66	Ban tamakoo	<i>Solanum erianthum</i>	Wild	Social and Economic	Available
67	Jamun	<i>Syzygium cumini</i>	Wild	Social and Economic	Available
68	Imli	<i>Tamarindus indica</i>	Wild	Social and Economic	Available
69	Phul dudi	<i>Tarxacum campylodes</i>	Wild	Social and Economic	Available
70	Bahera	<i>Terminalia bellirica</i>	Wild	Social and Economic	Available
71	Harar	<i>Terminalia chebula</i>	Wild	Social and Economic	Available
72	Giloe	<i>Tinospora sinensis</i>	Wild	Social and Economic	Available
73	Tunu	<i>Toona ciliata</i>	Wild	Social and Economic	Available
74	Bana	<i>Vitex negundo</i>	Wild	Social and Economic	Available

75	Pansar	<i>Wendlandia exserta</i>	Wild	Social and Economic	Available
76	Dudhi	<i>Wrightia arborea</i>	Wild	Social and Economic	Available
77	Jojera	<i>Xanthium strumarium</i>	Wild	Social and Economic	Available
78	Timbru	<i>Zanthoxylum armatum</i>	Wild	Social and Economic	Available
79	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 Holder
					Past	Present				
<i>Akk</i>	<i>Ipomea carnea</i>	<i>Shurb</i>		<i>Stream & ponds</i>	<i>Available</i>	<i>Available</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>Self observed</i>
<i>Hygrilla</i>	<i>Hydrilla spp</i>	<i>Grass</i>		<i>Stream & stable water</i>	<i>Available</i>	<i>Available</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>Self observed</i>
<i>Fish</i>	<i>Tor</i>	<i>Animal</i>		<i>Stream</i>	<i>Available</i>	<i>Available</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>Self observed</i>
<i>Frog</i>	<i>Rana temporaria</i>	<i>Animal</i>		<i>Stream</i>	<i>Available</i>	<i>Available</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>Self observed</i>
<i>Dinnu</i>		<i>wild</i>		<i>Stream</i>	<i>Available</i>	<i>Available</i>	<i>No use</i>	<i>Unknown</i>	<i>Unknown</i>	<i>Self observed</i>
<i>Sarkad</i>		<i>Wild</i>		<i>Stream</i>	<i>Available</i>	<i>Available</i>	<i>For eating</i>	<i>Unknown</i>	<i>Unknown</i>	<i>Self observed</i>

Other details may include mode of catching fish, time of availability, breeding time, etc

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Aak	<i>Calotropis gogantea</i>	local	None	unknown
2	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	Other 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	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	
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	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 relatives of Crops

1	2	3	4	5		6	7	8	9	10
Local Name	Scientific Name	Associated crop	Landscape / Habitat	Local Status		Uses (usage)	Part Used	Associated TK	Other details	Community / Know holder
				Past	Present					
Panjfulli	<i>Lantana camara</i>	_	Sub-tropical	Available	Available	Medical	leaves	_	_	_
Congress Jadi	<i>Parthenium</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 Putna	<i>Mentha arvensis</i>	Putna	Sub-tropical	Available	Available	To cure stomach ache	Leaves	Unknown	unknown	self addressed
Jangli Palak	<i>Rumex dentatus</i>	Palak	Sub-tropical	Available	Available	Edible	Leaves	Unknown	unknown	Self addressed

Note: Other details may include 'function as a substitute plant' in the absence of a particular plant

Format 24: Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder
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
Bottle brush	<i>Callistemon Lanceolatus</i>	Local	Sub tropical	Non-commercial	Garden	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	Other details (mode of use)	Community knowledge holder
					Past	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
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	
Shurb	Brahmi buti	<i>Centella asiatica</i>	Tree	Sub Tropical	Available	Available	Medical	Leaves, Flowers	Medical	NA	

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>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	Nil	self observed	
Mammals	Porcupine	<i>Erethizon deosatun</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed	
Mammals	Fox	<i>Vulpes vulpes</i>	Jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed	
Birds	Jungle fowl	<i>Gallus</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed	
Amphibian	Frog	<i>Anura</i>	jungle	Monsoon	available	available	Unknown	Unknown	Unknown	Nil	self observed	
Birds	Grey francolin	<i>Francolinus pondicerianus</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed	
Mammals	Rabbit	<i>Oryctolagus cuniculus</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed	
Birds	Pigeon	<i>Columbidae</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	self observed	
Mammals	Barking Deer	<i>Muntiacus muntjak</i>	jungle	All seasons	available	available	Unknown	Unknown	Unknown	Nil	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

Format 31: Any other information of local importance

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

End of Part II