
People Biodiversity Register (PBR): General Details

Samiti : DANGAKOTE

Panchayat Samiti: 2098 HECT.

Panchayat Samiti: Total : 2120 (as per 2011 census)

Female : 970

Area: Hilly Area

(Temperature and weather patterns)

(Classification available with village records)

Date of PBR Preparation: 26-10-2019

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

Annexure 1

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

Elected Chairperson: SHAVANA BANO

Ward: DANGAKOTE

Block: DANGAKOTE

Chairperson:

REETA DEVI

Ward: DANGAKOTE

Block: DANGAKOTE

Chairperson:

GULAM BIBI

Ward: DANGAKOTE

Block: DANGAKOTE

Chairperson:

BELI RAM

Ward: DANGAKOTE

Block: DANGAKOTE

Chairperson:

KULDEEP SINGH

Ward: DANGAKOTE

Block: DANGAKOTE

Chairperson:

PARKASH SINGH

Ward: DANGAKOTE

Block: DANGAKOTE

Chairperson:

ABHINAV SHARMA

Ward: DANGAKOTE

Block: DANGAKOTE

Chairperson:

REASI

Block: DANGAKOTE

Chairperson:

Annexure-2

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

1) Name : NIL

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name: NIL

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name: NIL

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

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

1) Name of the Chairperson: Shab din

Age: 65 years

Gender: Male

Address: Danga Kote Pyt

Area of specialization: Agriculture

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: CONCERNED

Name and Address:

2) Contact Person: CONCERNED

Name and Address:

3) Contact Person: CONCERNED

Name and Address:

4) Contact Person: NIL

Name and Address:

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
			Resolution no. 77 Dt: 26/10/19		

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							
Rice	<i>Oryza sativa</i>		Veliyan	Lowland valleys		Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases		Food Fodder Roofing Fuel	Provides more energy	Suitable for “Valicha” cultivation		Kurichiya Kuruma W. Chetty
Rice	<i>Oryza sativa</i>	Dhan	Gija (k343) China, Japani, Parma (19 BC)	Lowland valleys	80 Ha	Plenty	Plenty	Tall variety High yield Resistant to drought, flood, pest & diseases	June - Nov	Food Fodder Roofing Fuel	Provides more energy	Suitable for “Valicha” cultivation	Local & Agri. Deptt.	Kurichiya Kuruma W. Chetty
Maize	<i>Zea mays</i>	Muck	Local ,Desi d. Decalf , Ganga etc.	White grain composite	100 Ha	Plenty	Plenty	High yielding	Kharif	Food Fodder	Provides more energy	Suitable for mid plains	Desi , Local & Agri. Deptt	-
Wheat	<i>Triticum aestivum</i>	Kank	MD - 2967 , Raj - 3765 & local	-	60 Ha	Rare	Rare	Dwarf high	Rabi	Food Fodder	Provides more energy	Suitable for mid plains	Desi , Local & Agri. Deptt	-

Mustard	<i>Brassica juncea</i>	Sarson	Toori-Rs -749, Hi-breed	Toori - RGN 725	10 Ha	Rare	Rare	Dwarf high	Rabi	For Oil Purpose	-	Suitable for plains	Local & Agri. Deptt.	
Barley	<i>Hordeum vulgare</i>	Jou	Local	160-170 cm	15 Ha	Plenty	Plenty	Dwarf high	Rabi	Food Fodder	Provides more energy	Suitable for sub-tropical		
Til	<i>Sesamum indicum</i>	Til	Punjabi Local	White & black	5 ha	Rare	Rare	High yielding	Kharif	For Oil Purpose	-	Suitable for plains & sub-tropical	Local & Agri. Deptt.	
Pulses	<i>Vigna mungo</i>	Maa	Local & T-a	Matures in white & black	8 ha	Rare	Rare	High yielding	July - Oct	Food	Proteins & energy	Suitable for mid & plains	Local & Agri. Deptt.	
Pulses	<i>Vigna unguiculata</i>	Rongi	Local	Matures in white & black	1 Ha	Rare	Rare	High yielding	Kharif	Food	Proteins & energy	Suitable for mid plains	Local & Agri. Deptt.	
Pulses	<i>Vigna radiata</i>	Sali-mungi	Local	green coloured	3 ha	Rare	Rare	-	June - Sept	Food & Fodder	Proteins & energy	Suitable for mid & plains	Local & Agri. Deptt.	
Pulses	<i>Lens culinaris</i>	Masar	Local	-	3 ha	Rare	Rare	-	Rabi	Food	Proteins & energy	-	Local & Agri. Deptt.	
Pulses	<i>Phaseolus vulgaris</i>	Mothi-Rajma	Local	-	3 ha	Rare	Rare	High yielding	Kharif	Food & Fodder	Proteins & energy	Suitable for sub-tropical	Local & Agri. Deptt.	

Pulses	<i>Pisum sativum</i>	Matar	Asauji	-	1 ha	Rare	Rare	Dwarf high	Rabi	Food & Fodder	Proteins & energy	suitable for plains & subtropical	Local & Agri. Deptt.	
Pulses	<i>Macrotyloma uniflorum</i>	Kulth	Local	Matures in dark green	8 Ha	Plenty	Rare	-	Kharif	Food & Fodder	Proteins & Stone medicines	Suitable for sub-tropical	Local & Agri. Deptt.	
Okra	<i>Abelmoschus esculentus</i>	Bhindi	Local & Dusa a	Matures in dark green	2 Ha	Rare	Rare	High yielding	Kharif	Veg.	-	Suitable for mid & plains	Local & Agri. Deptt.	
Tomato	<i>Solanum lycopersicum</i>	Tamater	Kashi	Plant are cool	1 Ha	Plenty	Plenty	-	First harvest	Veg.	-	For early crop	Local & Agri. Deptt.	
Knol Khol	<i>Brassica Oleracea</i>	Kadam	Purple	Plant are cool	0.5 ha	Plenty	Plenty	-	Matures in 70 days	Veg.	-	For early crop	Local & Agri. Deptt.	
Cauliflower	Brassica oleracea	Gobi	Cream white	Plant are cool	1 Ha	Plenty	Plenty	-	-	-	-	-	-	-
Radish	<i>Raphanus sativus</i>	Muli	Miyashige	Plant are cool & warm	1 Ha	Rare	Rare	-	-	Salad, Aachar	-	-	Local & Agri. Deptt.	
Cucumber	<i>Cucumis sativus</i>	Kakkdi	Local & hi-breed	-	2 Ha.	Plenty	Plenty	-	-	Salad	-	-	Local	

Turmeric	<i>Curcuma longa</i>	Haldi	Desi & hi-breed	Wet area and worm climate	1 Ha	Plenty	Plenty	-	-	Masala , Medicine	-	-	Local & Agri. Deptt.	
Ginger	<i>Zingiber officinale</i>		Hi-breed	Wet area and worm climate	1Ha	Plenty	Plenty		-					
Taro	<i>Colocasia esculenta</i>	Kachalu	Desi	-	2 Ha	Plenty	Plenty	-	-	Veg. Chart	-	-	Local & Agri. Deptt.	
Onion	<i>Allium Cepa</i>	Piyaz	Local & hi-breed	-	2 Ha	Plenty	Plenty	-	-	Food	-	-	Local & Agri. Deptt.	
Garlic	<i>Allium sativum</i>	Thom	Local	-	1 Ha	Plenty	Plenty	-	-	Food	-	-	Local & Agri. Deptt.	
Bitter gourd	<i>Momordica charantia</i>	Karela	Local & hi-breed	-	0.5 Ha	Plenty	Plenty	-	-	Veg	-	-	Local & Hybrid Deptt.	

Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/ Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Woody Tree	<i>Mangifera indica</i>	Amb	Wild, Dashehari, Malda, Amrapali, Mallika, Langra, Swarn Rekha, Chausa, Fazli, Totapuri, Ramkila, Baramasim etc.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to August	Record vailable in old books.	Sucking, table, processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Pidium guajava</i>	Amrood	Wild, Allahbad, Sardar, Lalit, Arka Amulaya, Sheveta, Punjab Pink	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to August, Dec. To January	Introduced by traders and domesticated locally.	Table and processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Emblica officinalis</i>	Amla	wild, Banarsi, Neelam, NA 7.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to Nov.	Record vailable in old books.	Processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus sinensis</i>	Mosammi	Mosambi, Jaffa, Red Blood	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Record vailable in old books.	Table and processing.	Own uses and sold in market	Popular in local population.

Woody Tree	<i>Citrus reticulata</i>	Sangtra	Kinnow, Sangtra	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Record vailable in old books.	Table and processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus aurantifolia</i>	Nimboo	Wild, Kagzi, Italian, Eureka	Sub-tropical	Good	Good	Grafted Plants	March to Oct.	Record vailable in old books.	Processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus limon</i>	Galgal	Wild	Sub-tropical	Good	Good	Seedling andn Grafted Plants	March to Sept.	Record vailable in old books.	Processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus medica</i>	Kimb	Wild	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Record vailable in old books.	Processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus jambhiri</i>	Jamiri	Wild	Sub-tropical	Good	Good	Seedling trees	March to Oct.	Record vailable in old books.	Processing, root stock	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus limettoides</i>	Mithoo	Wild	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Record vailable in old books.	Table and processing.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Citrus tangerina</i>	Narangi	Wild	Sub-tropical	Good	Good	Grafted Plants	March to Dec.	Record vailable in old books.	Ornamental and processing.	Own uses	Popular in local population.

Woody Tree	<i>Zizyphus mauritiana</i>	Ber	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted Plants	March to Nov.	Record available in old books.	Table purposes	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Cordia myxa</i>	Lasooda	Wild	Sub-tropical	Good	Good	Seedlings	March to June	Record available in old books.	Processing purposes	Own uses and sold in market	Popular in local population.
Bush	<i>Carissa carandas</i>	Gerna	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Record available in old books.	Table purposes and processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Pyrus communis</i>	Nakh	Pathar Nakh	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Introduced by traders and domesticated locally.	Table purposes and processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Prunus persica</i>	Aru	Wild, Sun Red, Florida Sun	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Introduced by traders and domesticated locally.	Table purposes and processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Prunus saliciana</i>	Aloocha	Kala Amritsari, Alucha	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Introduced by traders and domesticated locally.	Table purposes and processing	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Ficus carica</i>	Fakhwari	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Introduced by traders and domesticated locally.	Table purposes.	Own uses and sold in market	Popular in local population.

Soft Tree	<i>Carica papaya</i>	Papita	Wild, Red Lady, Pusa Nana	Sub-tropical	Good	Good	Seedlings and hybrids	March to Nov.	Record vailable in old books.	Table purposes.	Own uses and sold in market	Popular in local population.
Woody Tree	<i>Punica granatum</i>	Anar	Wild,	Sub-tropical	Good	Good	Cuttings	March to July	Record vailable in old books.	Table purposes and processing	Own uses and sold in market	Popular in local population.
Tree	<i>Juglans regia</i>	Akhroot	Local, improved	Sub-tropical & sub-temperate	Rare	Rare	Local & Horticulture Deptt.	Mar- Sept		Dry Fruit		
Apricot	<i>Prunus armeniaca</i>	Khobani Sarri	Local, improved	Sub-tropical & sub-temperate			Govt. Nursery/ Private Registered Nrv	Summer		Fresh Fruit		Farmer/ Department of Horticulture
Tree	<i>Malus domestica</i>	Saib	Desi & hi-breed	Sub-tropical & sub-temperate	Rare	Rare	Local & Horticulture Deptt.	Rainy		Fresh fruit, Juice, Jam etc		
Tree	<i>Musa paradistica</i>	Kela	Desi	Mid hills & plains	Rare	Rare	Local & Horticulture Deptt.	-	-	-		
Tree	Malook	<i>Diospyrus lotus</i>	local & desi	Mid Shivaliks	-	-	Local & Horticulture Deptt.	-	-	Cultural use		

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					
Pearl	<i>Pennisetum glaucum</i>	Bajra	Tropical sub tropical climate	Plenty		Agriculture deptt Pvt. Seed store	High hillering crop	Whole Plant	It is quick growing disease and frost resistant	
Sorghum	<i>Sorghum bicolor</i>	Charri	Mid plains & plains	Rare	Rare	Agriculture deptt	-	leaves and stem	Kharief	Own use
OATS	<i>Avena saiva</i>	Javi	Mid plains	Rare	Rare	Agriculture deptt	-		Nutritive	Own use
Barley	<i>Hordeum vulgare</i>	Jou	Mid hills shivaliks	Rare	Rare	Local	-			Own use

Other details include fodder for which animal, special features, medicinal uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc.

Format 4: Weeds

1	2	3	4	5	6	7		8	9	10	11	12
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status		Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
						Past	Present					
Bathua	<i>Chenopodium spp.</i>	Baathu	Wheat	Broad leaf and consumed the nutrients of plants and reduce the production	Germination in the field after 20 days	Plenty	Plenty	Nil	1.Use of weedicide		Hady and wider adoptability, multiply very fast	
Sitti	<i>Phalaris minor</i>	Sitti	Wheat	Compete with nutrition, light and space with wheat crop and reduces the narrow leav weed	Grows with wheat crop	Plenty	Plenty	Nil	1.Use of weedicides metribuzinic @ 200 Gms/h a dissolved in 500-600 l if water		Hady and wider adoptability, multiply very fast	
Dhoob	<i>Cynodon dactylon</i>	Dhoob	Maize	Weed emerg with the germination with maize seed and grow along with the plants till the early growth period and cause sever crop weed compitation	Grows with maize crop	Plenty	Plenty	Nil	1. 2-3 weeding followed by earthingup. 2. pre emergence appliation Atrazine @ 1-1.25 Kg/ per ha of 50% WP		Losses caused by weeds are more during early stage tha later stages	
Congress grass	<i>Parthenium spp.</i>	congress Weed	summer crop	Consume the nutrients	Germinate in summer	Rare	Plenty	Early maturity	Mechanical,Chemical	Problmetic	Spread fast	Farmering Community
Senji	<i>Melilotus indicus</i>	Senji	Wheat	Consume the nutrients	Plains & mid plains	Rare	Rare					

Bhang	<i>Cannabis sativa</i>	Bhang	Wheat & maize	Consume the nutrients	Plains & mid plains	Plenty	Plenty	-	Mechanical	-	Fast growing	Farmering Community
Muthu	<i>Cyprus rotundus</i>	Muthu	Maize	Consume the nutrients	Plains & mid plains	Plenty	Plenty					
Phalaris	<i>Phalaris minor</i>	Ghoshe ka mama	Wheat	Consume the nutrients	Plains & mid plains	Plenty	Plenty					
Satya nari	<i>Argemone mexicana</i>	Satynari	Wheat	Consume the nutrients	Plains & mid plains	Plenty	Plenty					
Scarlet pimper net	<i>Anagallis arvensis</i>	Krishan ka kokku	Wheat	Consume the nutrients	Plains & mid plains	Plenty	Plenty	Food & fodder				
Jojra	<i>Puplia cappacea</i>	Jojra	Maize & Grass	Consume the nutrients	Plains & mid plains	Plenty	Plenty					
Jangli palak	<i>Rumex acetosella</i>	Imlu	Wheat	Consume the nutrients	Plains & mid plains	Plenty	Plenty	Vegitable				

Other details may include how long the weeds have been suppressing/adversely affecting the crops in this locality, when it came under notice, intensity of natural multiplication etc

Format 5: Pests of Crops

1	2	3	4	5	6	8	9	10
Host	Insect / Animal	Scientific name	Local name	Habitat	Time / season of attack	Associated TK	Other details	Community knowledge holder
Paddy	Grasshoper	<i>Hieroglyphus niogroreplentum</i>	Tidda, Raja da, Gorha	Polyphagus	June to November	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	
	Rice Hisppa	<i>Dicladispa</i>	Neelu tittu	Appeaqr in all varieties of rice	July- sep	Quinalphos 25EC 1 litre per ha in 750 ltr of water	The grubs this pest mine into the leaves and adults are external feeders	
Wheat	Field Rats	<i>Bandicota sp. Tatera sp.</i>	Chau, kees	Burrow in soil. Rats are found in nearly all areas of earth which are inhabited by human beings	through out the year	They cause have loss to standing wheat crop and harvested crop in stores.	Domestic rats differ from wild rats in many ways. They are calmer and less likely to bite; they can tolerate greater crowding; they breed earlier and produce more off spring; and their brains, livers, kidneys, adrenal glands and hearts are smaller	
	Termites	<i>Microtermes obesi</i>	Seenak, SEONAK, WHITE ANT	Generally appears at wet places, lives in nests made under ground	through out the year	These are social insect that lives under ground in colonies	The damage plant dry up completely and are easily pulled out	

Wheat , maize and vegetable	Army Worm	<i>Mythimna unipuncta</i>	Keda, Mongra	on the leaf of the host	Pre-mature stage of (25 days)		Nil	Nil
Wheat, maize	White grub	<i>Holotrichia</i>	Garbeda	Anywhere	Whole season	These insects eat the nutrients below soil of any plant	Destructive	-
Vegitable & Trees	Whitefly	<i>Aleyrodoidea</i>	Chitti burdi, shoti titli			These also attacked under side of leaf	Nil	Nil
Trees , plants & grasses	Jassinds	<i>Cicadellidae</i>	Sela trida			Attacked up on the plants, trees & grasses		
Maize, & vegetables	Therips	<i>Thysanoptera</i>	Chinar			Attacked on vegitable flowers & leaves		
Plants, trees , maize & Mustard	Meal bug	<i>Pseudococcidae</i>	Dadroot, Loot			White stuff on plant leaves		

Mangoes gugava etc	Mango hopper	<i>Idioscopus clypealis</i>	Shota trida					
Maize	Green leaf hopper	<i>Cicadella viridis</i>	rangbranga tridda			-		
Maize	Mites	<i>Corn earworm</i>	Kidi			Attack on the corn inside		
Maize	Main cut worm	<i>Agrotis ipsilon</i>	Kida, Toka			Cut the plant from open area		
Maize	Maize stem borer	<i>Chilo partellus,</i>	Kida ludi					
Vegitable & Maize	cut worm	<i>Agrotis ipsilon</i>	Toka					

Other details may include possible reasons for insects/animal attack

Format 6: Markets for Domesticated animals

1	2	3	4	5	6	7	8	9
Name of the market & location	Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M)[1]	Types of animals bought and sold [2]	Types and Average Number of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish
Nil	Nil	Nil	Nil	Nil	Nil			

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
Rural, 3345	425 HH Farming, agriculture	Animal husbandry and Govt./Pvt. service	Agriculture land		Howing, edging, cultivation, fertilization					

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc.
 Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc
 How the community manages the landscapes they use for satisfying different needs, their strategies and perception
 How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc

Format 8: Landscape

1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub - Landscapes	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	Fallo w land											
416 Ha	12 K	210 Ha			Govt. / Pyt								
Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements													

Agri Land	8320 kanal
Ponds	12
Forest land	28220
Others	5420
Total land	41972 Kanals

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
Bowlis	-	-	Private/ Govt.	-	-	Drinking water						
Ponds	-	-	Govt	-	-	Water stored for animals drinking						

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	Use of organic matter	maize, wheat			
Alluvial Soil	Loamy soil						
		blocky structure having Ph 7-8-8.3holding capacity more than 40 %					
		Ph 7.0-7.7 organic carbon 0.18 -0.6N	Use of organic matter	wheat, paddy			

Format-11: FRUIT TREES DOMESTICATED BIODIVERSITY

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

11	Woody Tree	Jamiri	<i>Citrus jambhiri</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Oct.	Processing, root stock	Record available in old books.	Own uses and sold in market	Popular in local population.
12	Woody Tree	Mithoo	<i>Citrus limettoides</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Table and processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
13	Woody Tree	Kumquat	<i>Citrus x floribunda</i>	Local	Sub-tropical	Good	Good	Grafted Plants	March to Jan..	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
15	Woody Tree	Ber	<i>Zizyphus mauritiana</i>	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted Plants	March to Nov.	Table purposes	Record available in old books.	Own uses and sold in market	Popular in local population.
17	Bush	Phalsa	<i>Grewia subinaequalis</i>	Local	Sub-tropical	Good	Good	Seedlings and Cuttings	March to July	Processing	Record available in old books.	Own uses and sold in market	Popular in local population.
21	Bush	Gerna	<i>Carissa carandas</i>	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.
23	Woody Tree	Seb	<i>Malus X domestica</i>	Summer apple	Sub-tropical	...	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
24	Woody Tree	Nakh	<i>Pyrus communis</i>	Pathar Nakh	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
25	Woody Tree	Aru	<i>Prunus persica</i>	Local, Sun Red, Florida Sun	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
26	Woody Tree	Aloocha	<i>Prunus saliciana</i>	Kala Amritsari, Alucha	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
32	Soft Tree	Papita	<i>Carica papaya</i>	Local Red Lady, Pusa Nana	Sub-tropical	Good	Good	Seedlings and hybrids	March to Nov.	Table purposes.	Record available in old books.	Own uses and sold in market	Popular in local population.

20	Woody Tree	Aadu	<i>Prunus persica</i>	Shona, Desi & Punjabi	Cultivated land	Rare	Rare	Govt. Nursery	summer	Fresh fruit		Own use	
21	Woody Tree	<i>Akhroot</i>	<i>Juglans regia</i>	Local & improved	Cultivated land	Plenty	Plenty	Local & Govt. Nursery	summer	Dry fruit		Own use & selling	
22	Woody Tree	Khubani	<i>Prunus armeniaca</i>	Local & improved	Cultivated land	Plenty	Plenty	Local & Nursery	summer	Dry fruit & fresh fruit		Own use	
23	Woody Tree	Kinnoo	<i>Citrus slop</i>	Local & hybrid	Cultivated land	Rare	Rare	Local & Nursery	summer	Fresh fruit		Own use	
24	Woody Tree	pathar nakh	<i>China tree</i>	Local	Cultivated land	Rare	Plenty	Local & Nursery	summer	Fresh fruit		Own use	
25	Woody Tree	Bagu gosha	<i>butanki</i>	Local	Cultivated land	-	-	-	-	-		-	

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					
Holy Basil	Tulsi	Ocimum tenuiflorum	Wild		Local	Rare	Less	Medicines	Leaf & seeds			Local communityk having knowledge
Aloe vera	Aloe vera	Aloe vera	Wild	Mid plains & shivaliks	Local	Less	Less	Medicines	leaves			Local communityk having knowledge
Shrub	Trimuru	<i>Zanthoxylum aurmatum</i>	Wild	Sub tropical & Shivaliks	Forests	Less	Less	medicines & chattni	Fruit			Local communityk having knowledge
Tree	Karal	<i>Bauhinia Variegata</i>	Wild	Lower shivaliks	Forests	Less	Less	medicines & chattni	Fruit			Local communityk having knowledge
Tree	Anardana	<i>Punica granatum</i>	Wild	Lower shivaliks	Forests	Plenty	Less	Fodder ,med	Frut			Local communityk having knowledge
Tree	Amla	<i>Emblica officinalis</i>	Wild	Lower shivaliks	Forests	Plenty	Plenty	Achar & medicines	Fruit			Local communityk having knowledge
Tree	Draink	<i>Melia azedarach</i>	Wild	Lower shivaliks	Forests	Less	Less	Fodder ,med	Leaf			Local communityk having knowledge
Herb	Baryan	<i>Acorus calamus</i>	Wild	Lower shivaliks	Forests	Less	Less	Medicines	Leaf			Local communityk having knowledge
Herb	Bhang	<i>Cannabis sativa</i>	Wild	Lower shivaliks & plains	seeds	Plenty	Plenty	Hempseed oil,Hallocinogeni c, sedative,Analgesi c, Anti- inflammatory, piles	All parts of the plant	Psychoactive		Local communityk having knowledge

	Tarad	<i>Dioscorea belophylla</i>	Wild	Lower shivaliks & plains		Less	Less					Local communityk having knowledge
Herb	Pudina	<i>Mentha arvensis</i>	Wild	Lower shivaliks & plains	Local & agriculture	Less	Less	medicines & chattni	Leaf			Local communityk having knowledge
Herb	Haldi	<i>Curcuma longa</i>	Local	Lower shivaliks & plains	Local & agriculture	Less	Less	Masala & Med	-			Local communityk having knowledge
Herb	Brahmi Bhutti	<i>Centella asiatica</i>	Local	Lower shivaliks & plains	Wild	Less	Less	Medicinal Use	Leaf	N.A	Commercial/ Own	Local communityk having knowledge
Trees	Khair	<i>Acacia catechu</i>	Local	Lower shivaliks & plains	Forests	Plenty	Less	Medicinal Use	Stem	N.A	N.A	Local communityk having knowledge
Trees	Kakad - Singhi	<i>Pistacia khinjuk</i>	Local	Lower shivaliks & plains	Forests	Plenty	Less	Medicinal Use	Fruit	N.A	N.A	Local communityk having knowledge
	Sree	<i>Albizzia lebbeck</i>	Local	Lower shivaliks & plains	Forests	Plenty	Less					Local communityk having knowledge

Note: Uses: Food/ Veterinary Medicine,/ Human Medicine (Sub-divisions like for children, women etc),/ Agricultural Purpose (Bio-pesticide)
Other details: Propagation methods, / Harvesting period,/ Cultivated or collected from wild or both,/ Perennial/annual/seasonal

Format 13: Ornamental Plants/ Trees/Climbers etc.

1	2	3	4	5	6	7	8	9	10
Plant type	Local Name	Scientific Name	Variety	Source of Plant/Seeds	Commercial/Non-commercial	Uses	Associated Tk	Other Details	Community/ Knowledge Holder
Ornamental Tree	Kachnar	Bauhinia variegata		Nurseries/Forest	Non commercial	Ornamental/ Landscaping	Used for Dysentery, Diarrhoea	Pink flowers in Summer	Floriculturists/ Nurserymen/ Gardeners
Bushes/	Kaner	Thevetia peruviana		Nurseries	Non commercial	Ornamental/ Landscaping	Fevers	Flower most of the year	Floriculturists/ Nurserymen/ Gardeners
Bushes/	Bogan Bael	B.Sp & hybrids		Nurseries	Non commercial	Ornamental/ Landscaping	Antidiabetic, antiinflammatory	Multicoloured flowers	Floriculturists/ Nurserymen/ Gardeners
Bushes/	Hibiscus	Hibiscus rosasinensis		Nurseries	Non commercial	Ornamental/ Landscaping	Used in fever, constipation	Flower throughout the year	Floriculturists/ Nurserymen/ Gardeners
Bushes/	Motia	Jasminum sambac		Nurseries	Non commercial	Ornamental/ Landscaping	Used in Hepatitis, dysentery	Flower throughout the year	Floriculturists/ Nurserymen/ Gardeners
Herbs Seasonals	Guldopahar	Portulaca grandiflora		Nurseries	Non commercial	Ornamental/ Landscaping	Antioxidant, antibacterial	Summer annual flower	Floriculturists/ Nurserymen/ Gardeners
Pot Plants	Agave	Agave angustifolia		Nurseries	Non commercial	Ornamental/ Landscaping	Traditional medicines	Succulent	Floriculturists/ Nurserymen/ Gardeners
Pot Plants	Thur	Cactus spp		Nurseries	Non commercial	Ornamental/ Landscaping	Folk medicines	Thorny succulents	Floriculturists/ Nurserymen/ Gardeners
Plant	Rose	<i>Rosa sp.</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Medicines & Decorations	Every kinds of flower	-
Plant	Raat ki rani	<i>cestrum nocturnum</i>		Nurseries	Non commercial	Ornamental/ Landscaping	-	-	-
Climber	Kareer	<i>Rosa Acicularis</i>		Forests	Non commercial	-	Decoration	-	-

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					
Trees	Deodar	<i>Cedrus deodara</i>	Temperate & Sub-tropical	Rare	Rare	Wild	Own / multi	Nil	-	-
Timber	Tali	<i>Dalbergia sissoo</i>	Temperate & Sub-tropical	Plenty	Rare	Wild	Own / multi	Nil	-	-
Trees	Tooth	<i>Morus alba</i>	Temperate & Sub-tropical	Rare	Rare	Wild	Own / multi	Nil	-	-
Timber	Tuni	<i>Toona ciliata</i>	Temperate & Sub-tropical	Rare	Rare	Wild	Own / multi	Nil	-	-
Trees	Poplar	<i>Populus ciliata</i>	Temperate & Sub-tropical	Rare	Rare	Wild	Own / multi	Nil	-	-
Trees	Kau	<i>Olea cuspidata</i>	Temperate & Sub-tropical	Rare	Rare	Wild	Own / multi	Nil	-	-
	Phulai or Fly	<i>Acacia modesta</i>	Temperate & Sub-tropical	Rare	Rare	Wild	Own / multi	Nil	-	-
Trees	Kakad- Singhi	<i>Pistacia khinjuk</i>	Temperate & Sub-tropical	Rare	Rare	Wild	Own / multi	Nil	-	-
Tree	Draink	<i>Melia azedarach</i>	Temperate & Sub-tropical	Rare	Rare	Wild	Own / multi	Nil	-	-
Trees	Khair	<i>Acacia catechu</i>	Temperate & Sub-tropical	Rare	Rare	Wild	Own / multi	Nil	-	-

Format 15: Domesticated Animals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Breed (local/hybrid)	Features	Method of keeping	Local status		Uses	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Sheep	Bhed	Ovis aries	Local	small size, rough coat	Flock rearing	Least concern	Least concern	mutton, wool, manure	Yes	Yes	Bones, skin and gutt	Locals and nomads
Sheep	Bhed	Ovis aries	Rambouillet cross	large size, fine wool	do	do	do	do	do	do	do	do
Goat	Bakri	Capra hirus	Local	small size, low body weight	Flock rearing	Least concern	Least concern	Chevon, hair, manure	do	do	do	do
Goat	do	do	Beetal	large size, high body weight	do	do	do	do	do	do	do	do
Goat	do	do	Kaghani	do	do	do	do	do	do	do	do	do
Cow	Gaay	<i>Bosindicus</i>	Local	High fertility & good quality milk	domesticated	available	available	Milk & Cow dung	Milk good for brain		Ghee, curd, Butter, kaladi, cheese	Local
Buffalo	Bhains	<i>Bubblous bubalis</i>	Local & upgraded	Bin, colour & best quality milk	domesticated	available	available	Milk & Cow dung	Ploughing		Ploughing, carting	Local

ox	Bail	<i>Bos spp</i>	Desi, punjabi	Ploughing	domesticated	available	available	ploghing & Carriage			no	Local
Dog	Kutta	<i>Cannis lupus</i>	local	Pet	domesticated	available	available	Guardening	N/A		-	Local
Horse/Mule/Donkey	Ghoda /Khacher/ Khotta	<i>Equine Spp</i>	Local /hybrid	Pet	domesticated	available	Less	Carriage /cart pulling			no	
Cat	Billi	<i>Felis Spp</i>	Local	pet	Free rearing	less	less	To reduce the rats in fields & houses			no	
Poultry	Kukad	<i>Galur Spp</i>	Local	Enriched meat flavour	Multi colours, White etc	abundant	Abundant	Egg/meat	nil		Egg/meat	
	Farmi Kukad		Chabro	Good eagger	backyard	very few	rare	Egg/meat	nil		Egg/meat	
	Broiler		Hybrid	White in colour	Deep litter	very few	increased	only meat	nil		only meat	

Uses include milk, meat, skin, fur and etc

Format 16: Culture Fisheries

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

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

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

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problme	Medicinal Use	Self observed
Tree	Amlı	<i>Phyllanthus emblica</i>	Tree	Sub -tropical	Available	Available	Own Use	wood			Self observed
Tree	Koakoa	<i>Flacourita indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Daronkal	<i>Murraya koenigii</i>	Tree	Sub -tropical	Available	Available	Own Use	leaves			Self observed
Tree	Garna	<i>Carissa spinarum</i>	Shrubs	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Kambal	<i>Lannea coromandlica</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Kamla	<i>Mallotus philippennis</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Lucenia	<i>Leucaenia spp</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Phulai	<i>Acacia modesta</i>	Tree	Sub -tropical	Available	Available	Own Use	leaf and wood			Self observed
Tree	Santa	<i>Dodonaeae viscosa</i>	Shurbs	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	sarri	<i>Albezzia spp</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Talli	<i>Dalbergia sissoo</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Thub/Dudhruk	<i>Erythrina spp.</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Kral	<i>Bauhinia vahili</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves/Flowers			Self observed
Tree	Lana	<i>Ficus hispida</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed

Tree	Dhaman	<i>Grewia optiva</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Charmod	<i>Ehretia spp.</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Badh	<i>Ficus religiosa</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Gandila	<i>Nerium oleander</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Draink	<i>Melia azadirach</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves/Wood			Self observed
Tree	Amb	<i>Mangifera indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Soyanjana	<i>Moringa oleifera</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Tunnu	<i>Toona ciliata</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Plakh	<i>Ficus virens</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves/Wood			Self observed
Tree	Rehn	<i>Quercus lucotricophora</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Chamar sama	<i>Holoptelea integrifolia</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Branked	<i>Justicia adhatoda</i>	Shrubs	Sub -tropical	Available	Available	Own Use	Leaves			Self observed
Tree	Khar	<i>Saccharum</i>	Tree	Sub -tropical	Available	Available	Own Use	Leaves			Self observed
Tree	Rala		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Tai		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Karmroo		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Gagerada		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Gangara		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Khajoor		Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
	Shamma	<i>Engelhardia spicata</i>		Sub -tropical	Plenty	Plenty	Med-use	leaf and wood			Self observed
	Khedi Ankhra	<i>Desmodium gangeticum</i>		Sub -tropical	Plenty	Plenty		Fruit			Self observed
	Shoti kathi	<i>Indigofera heterantha</i>			Rare	Rare	Own Use	Leaves			Self observed

Trees	Trimbal	<i>Ficus auriculata</i>	Trees	Lower shiwalik	Rare	Rare	Own Use	Fruit			Self observed
	Jungali tobacco	<i>Eremostachys</i>			Rare	Rare					Self observed
Tree	Thub / Dudhruk	<i>Erythrina spp.</i>	Tree	Sub - Tropical	Rare	Rare	Own Use	Flower & Wood			Self observed
	Dhai	<i>Woodfordia fruticosa</i>			Plenty	Rare	Own Use	Fodder			Self observed
Climbers	Galoi	<i>Tinospora cordifolia</i>	Climbers	Lower shiwalik	Rare	Rare	Own Use				Self observed
Grasses	Babian	<i>Eulaliopsis binata</i> ,			Rare	Rare	Own Use				Self observed
	Makred babian	euophorm comorin			Rare	Rare	Own 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	Kikkar	<i>Acacia nilotia</i>	Wild	Social and Economic	Available
2	Parkanda	<i>Achyranthes aspera</i>	Wild	Social and Economic	Available
3	Rambana	<i>Agave americana</i>	Wild	Social and Economic	Available
4	safed Siris	<i>Albizzia procera</i>	Wild	Social and Economic	Available
5	kala siris	<i>Albizzia lebbeck</i>	Wild	Social and Economic	Available
6	Nad	<i>Arundo donax</i>	Wild	Social and Economic	Available
7	Chaleri Saag	<i>Amaranthus viridis</i>	Wild	Social and Economic	Available
8	bamboo	<i>Bambusa bamboos</i>	Wild	Social and Economic	Available
9		<i>Bambusa nutans</i>	Wild	Social and Economic	Available
10	Baloongar	<i>Bahunia vahlii</i>	Wild	Social and Economic	Available
11	kachnar	<i>Bahunia variegata</i>	Wild	Social and Economic	Available
12	Simbal	<i>Bombax ceiba</i>	Wild	Social and Economic	Available
13	Bhang	<i>Cannabis sativa</i>	Wild	Social and Economic	Available
14	Aajan Grass	<i>Cenchrus ciliaris</i>	Wild	Social and Economic	Available
15	Brahmi Buti	<i>Centella asiatica</i>	Wild	Social and Economic	Available
16	Shudri	<i>Crateva religiosa</i>	Wild	Social and Economic	Available
17	amer Bel	<i>Cuscuta reflexa</i>	Wild	Social and Economic	Available
18		<i>Cynoglossum lanceolatum</i>	Wild	Social and Economic	Available
19	Barna	<i>Cyperus rotundus</i>	Wild	Social and Economic	Available
20	Tali	<i>Dalbergia sissoo</i>	Wild	Social and Economic	Available
21	Dhatura	<i>Datura stramonium</i>	Wild	Social and Economic	Available

22	Baans	<i>Dendrocalmus</i>	Wild	Social and Economic	Available
23	palain	<i>Debdrocalamus annulatum</i>	Wild	Social and Economic	Available
24	Kalu Grass	<i>dicliptera bupleuroides</i>	Wild	Social and Economic	Available
25	Sadhun	<i>Dioscorea melanophyma</i>	Wild	Social and Economic	Available
26		<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
27		<i>Dicliptera bupleurooides</i>	Wild	Social and Economic	Available
28		<i>Dioscorea melanophyma</i>	Wild	Social and Economic	Available
29	Santha	<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
30	duranta	<i>Duranta erecta</i>	Wild	Social and Economic	Available
31	Chamror	<i>Ehretia acuminata</i>	Wild	Social and Economic	Available
32	Dhol Dhak	<i>Erythrina suberosa</i>	Wild	Social and Economic	Available
33	pangara	<i>Erythrina variegata</i>	Wild	Social and Economic	Available
34	safeda	<i>Ecalyptus teretcornis</i>	Wild	Social and Economic	Available
35	Hybrid safeda	<i>Eulaliopsis binata</i>	Wild	Social and Economic	Available
36	Bubbean	<i>Euphorbia roylena</i>	Wild	Social and Economic	Available
37	Trimbal	<i>Ficus auriculata</i>	Wild	Social and Economic	Available
38	Peepal	<i>Ficus religiosa</i>	Wild	Social and Economic	Available
39	Kakoa	<i>Flacourtia indica</i>	Wild	Social and Economic	Available
40	Lamb Grass	<i>Flemingia chappar</i>	Wild	Social and Economic	Available
41	Kharpoway	<i>Gompherna celosiooides</i>	Wild	Social and Economic	Available
42	Dhaman	<i>Grewia optiva</i>	Wild	Social and Economic	Available
43	Kanphuta	<i>Heteropogon contortus</i>	Wild	Social and Economic	Available
44	Bhattani	<i>Ipomoea carnea</i>	Wild	Social and Economic	Available
45	Chameli	<i>jasminum officinale</i>	Wild	Social and Economic	Available
46	Ratanjot	<i>Jatropha curcas</i>	Wild	Social and Economic	Available
47	Brenker	<i>Justicia adhatoda</i>	Wild	Social and Economic	Available

48	Kemal	<i>lannea coromandelica</i>	Wild	Social and Economic	Available
49	Mithu grass	<i>lathyrus sativus</i>	Wild	Social and Economic	Available
50	kamila	<i>mallotus philippensis</i>	Wild	Social and Economic	Available
51	baryar	<i>Malvastreum coromandelianum</i>	Wild	Social and Economic	Available
52	Aam	<i>Magnifera indica</i>	Wild	Social and Economic	Available
53	drehnk	<i>Melia azedarach</i>	Wild	Social and Economic	Available
54	Drenkri	<i>Murraya koenigiffi</i>	Wild	Social and Economic	Available
55	Kua	<i>Loea europaea</i>	Wild	Social and Economic	Available
56	Chitter	<i>Cuspidata</i>	Wild	Social and Economic	Available
57		<i>Opuntia elator</i>	Wild	Social and Economic	Available
58	Congress grass	<i>Parthenium hysterophorus</i>	Wild	Social and Economic	Available
59	Deena nath grass	<i>Pennisetum pedicellatum</i>	Wild	Social and Economic	Available
60	Napier grass	<i>Pennisetum purpureum</i>	Wild	Social and Economic	Available
61	Kahjoor	<i>Phoenix sylvestris</i>	Wild	Social and Economic	Available
62	Amla	<i>Phyllanthus emblica</i>	Wild	Social and Economic	Available
63	Chir	<i>Pinus roxburghii</i>	Wild	Social and Economic	Available
64	Jojra	<i>Puplia lappacea</i>	Wild	Social and Economic	Available
65		<i>Reinwardtia indica</i>	Wild	Social and Economic	Available
66		<i>Ricinus hastatus</i>	Wild	Social and Economic	Available
67		<i>Saccharum bengalense</i>	Wild	Social and Economic	Available
68		<i>Saccharum spontaneum</i>	Wild	Social and Economic	Available
69	basant panchmi	<i>Sapindus mukorossi</i>	Wild	Social and Economic	Available
70	Thub / Dudhruk	<i>Erythrina spp.</i>	Wild	Social	
71	Dhai	<i>Woodfordia fruticosa</i>	Wild	Social and Economic	
72	Galo	<i>Tinospora cordifolia</i>	Wild	Medical / Economic	
73	Amar Bel	<i>Cuscuta reflexa</i>	Wild	Midicus infuli	
74	Ankhra, Khedi	<i>Desmodium gangeticum</i>	Wild	Economic & Social	

75	Kartyadi, Karyad	<i>Bauhinia racemosa</i>	Wild	-	
76	Shadder	<i>Urtica dioica</i>	Wild	-	
77	Kali Shadder	<i>Girardinia heterophylla</i>	Wild		

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				
Barrain	Acorus calamns									
Akk	Ipomea carnea									

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

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		Uses (usage)	Part used	Associated TK	Other details market/ own use	Community/ Knowledge Holder
					Past	Present					
Tree	Phulai or fly	<i>Acacia modesta</i>	Wild	Sub-Tropical	Available	Available					
Tree	Parkanda	<i>Achyranthes aspera</i>	Wild	Sub-Tropical	Available	Available					
Tree	Simbal	<i>Bambax ceiba</i>	Wild	Sub-Tropical	Available	Available					
Herbs	Bhang	<i>Cannabis sativa</i>	Wild	Sub-Tropical	Available	Available					
Shrubs	Garna	<i>Carissa spinosa</i>	Wild	Sub-Tropical	Available	Available					
Herbs	Brahmi buti	<i>Centella asiatica</i>	Wild	Sub-Tropical	Available	Available					
Herbs	Khas khas	<i>Chrysopogon zizianides</i>	Wild	Sub-Tropical	Available	Available					
Tree	Fagora	<i>Ficus palmata</i>	Wild	Sub-Tropical	Available	Available					
Tree	Toot	<i>Morus alba</i>	Wild	Sub-Tropical	Available	Available					
Tree	Khajoor	<i>Phoenix sylvestris</i>	Wild	Sub-Tropical	Available	Available					
Tree	amla	<i>Phyllanthus emblica</i>	Wild	Sub-Tropical	Available	Available					
Herbs	Giloe	<i>Tinospora sinensis</i>	Wild	Sub-Tropical	Available	Available					

Shrub	Brainkad	<i>Adhadoda vasica</i>	Wild	Sub-Tropical	Plenty	Plenty	Medicinal and traditional	Whole plant	Treatment of bronchitis, cough and cold		
Tree	Kakad-Singhi	<i>Pistacia khinjuk</i>	Wild	Sub-Tropical	Rare	Rare	Fodder & Medicines	Fruit	nil		
Tree	Chir	<i>Pinus roxburghi</i>	Wild	Sub-Tropical	Plenty	Plenty	Risen, Medicines, timber	Whole plant	Stem, needles, cones, Resin etc		
Tree	Kembhu		Wild	Sub-Tropical	Plenty	Plenty	Roots for katha	Roots			
Tree	Toot	<i>Morus alba</i>	Wild	Sub-Tropical	Rare	Rare		Leaves			
Climber	Geloy	<i>Tinospora cardifolia</i>	Wild	Sub-Tropical	Rare	Rare	Whole plant	Whole plant	Used to treat diabetics, high cholesterol, allergy, upset stomach, gout		
Tree	Trimbal	<i>Ficus auriculata</i>	Wild	Sub-Tropical	Rare	Rare	Fodder & Medicines , fruit		nil	nil	

Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide)
Other details: Harvesting period /Perennial/annual/seasonal

Format 24: Ornamental Plants

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

Thub / Dudhruk	<i>Erythrina spp.</i>	Wild	Sub -Tropical	Non commercial			
Simbal	Bombax Ceiba	Wild	Sub -Tropical	Non commercial			
Kareer	<i>Rosa Acicularis</i>	Wild	Sub -Tropical	Non commercial			
Sulian	Cerees	Wild	Sub -Tropical	Non commercial			
Dhai	<i>Woodfordia fruticosa</i>	Wild	Sub -Tropical	Non commercial			

Format 26: Timber Plants

1	2	3	4		5	6	7	8
Local Name	Scientific Name	Habitat	Local Status		Other Uses, if any	Associated TK	Other Details	Community/ Knowledge Holder
			Past	Present				
Khair	<i>Acacia catechu</i>	Lower Shivaliks	Plenty	Rare				
Exotic acacia	<i>Acacia farnesiana</i>	Lower Shivaliks	Plenty	Rare				
Kala siris	<i>albizia lebbeck</i>	Lower Shivaliks	Rare	Rare				
Safed siris	<i>Albizia procera</i>	Lower Shivaliks	Rare	Rare				
Kwad gandal	<i>Aloe barbadensis</i>	Lower Shivaliks	Plenty	Plenty				
Safeda	<i>Corymbia citriodora</i>	Lower Shivaliks	Plenty	Plenty				
Talli	<i>Dalbergia sissoo</i>	Lower Shivaliks	Plenty	Plenty				
Tuni	<i>Toona ciliata</i>	Lower Shivaliks	Plenty	Plenty				
Chir	<i>Pinus roxburghii</i>	Lower Shivaliks	Plenty	Plenty				
Kail	<i>Pinus wallichiana</i>	Shivaliks	Rare	Rare				

Deodar	<i>Cedrus deodara</i>	Temperate shivaliks	Rare	Rare				
Phulai or Fly	<i>Acacia modesta</i>	Lower Shivaliks	Rare	Rare				
Kau	<i>Olea cuspidata</i>	Lower Shivaliks	Plenty	Plenty				
Kakad- Singhi	<i>Pistacia khinjuk</i>	Lower Shivaliks	Rare	Rare				
Shamma	<i>Engelhardia spicata</i>	Lower Shivaliks	Plenty	Plenty				
Kamila	<i>Mallotus philippensis</i>	Lower Shivaliks	Plenty	Plenty				
Kainth	<i>Pyrus pashia</i>	Lower Shivaliks	Plenty	Plenty				

Format 29: FLORA URBAN BIODIVERSITY

1	2	3	4		5	6	7
S.No.	Local Name	Scientific Name	Type of Plant	Habitat	Flowering Season	Rare/Common	Remarks (Rare / Common etc.)
1.	Gutta	Tagetes patula	Herbs Seasonals	Terrestrial/Subtropical	Grows round the year	Common	
2.	Gulab	Rosa spp	Herbs Seasonals	Terrestrial/Subtropical	Perennial flower	Common	
3.	Guldaudi	Chrysanthemum spp.	Herbs Seasonals	Terrestrial/Subtropical	Winter flower	Common	
4.	Guldopahar	Portulaca grandiflora	Herbs Seasonals	Terrestrial/Subtropical	Summer flower	Common	
5.	Dalia	Dahlia pinnata	Herbs Seasonals	Terrestrial/Subtropical	Winter annual flower	Common	

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

Format 30: Fauna

1	2	3	4	5	6
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
1	Cow.	Bos Indicus	Mammal	Terrestrial	Common
2	Jersey Cow	Bos Taurus	Mammal	Terrestrial	Common
3	Holstein Friesian Cow	Bos Taurus	Mammal	Terrestrial	Common
4	Buffalo.	Bubalus Bubalis	Mammal	Terrestrial	Common
5	Poultry Birds.	Gallus domestius.	Mammal	Terrestrial/Arial	Common
<p>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</p>					

Format 31: Any other information of local importance		
1	2	3
Sr. No.	Information of local importance	Remarks
1		

End of Part II