

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Dhamra West

Taluk/Tehsil: Mahanpur

District: Kathua

State/UT: Jammu And Kashmir

Geographical Area of the pancahayt Samiti: 210 hac

Population Of the Panchayat samiti...Total 1122

Male= 574

Female = 548

Habitat and Topography: Hilly/ Plain

Climate (Rainfall, Temperature and other weather patterns): Moderate

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

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: Smt. Chander Prabha Pathak

Age: 50

Gender: Female

Address:- Dambra West

Area of specialization: Social Worker

2) Name: Vijay Kumari

Age: 47

Gender: Female

Address: Dambra West

Area of specialization: Housewife

3)Name: Charan Dass (SC)

Age: 50

Gender: Male

Address: Dambra West

Area of specialization: Farmer

4)Name: Mohan Lal (OBC)

Age: 60

Gender: Male

Address: Dambra West

Area of specialization: Ex. Man

5)Name: Reva Devi

Age: 56

Gender: Female

Address: Dambra West

Area of specialization: Housewife

6)Name: Shori Lal Pathak

Age: 67

Gender: Male

Address: Dambra West

Area of specialization: Farmer

7)Name: Balvir Singh (Panchayat Secretary)

Age: 43

Gender: Male

Address: Dambra West

Area of specialization: VLW (Dambra)

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 :** Uttam Chand

Age: 60

Gender: Male

Address: Dhambra West

Area of specialization: Knowledge of veterinary/ Livestock

Location from which the person accesses biological material: local/non local

Perception of the practitioner on the resource status: less local resources available

Medicinal Use: Local medicines

Annexure 3
List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and forestry
1) Name : Puran Chand Pathak
Age: 65
Gender: Male
Address: Dambra West
Area of specialization: Agriculture
2) Name : Vijay Kumar
Age: 50
Gender: Male
Address: Dambra West
Area of specialization: Veterinary
3) Name of the Chairperson: Babloo
Age: 47
Gender: Male
Address: Dambra West
Area of specialization: Livestock
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:** Headmaster G.M.S Dambra West

Name and Address: Kamlesh Kumar (Mahanpur)

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							
Paddy	<i>Oryza sativa</i>	Desi 1121, Sarvati, Cheena, P. P.	Hybrid 1121, Desi	Plain/ Hilly		Plenty	Plenty	High Yield Variety	June to october	Food/ Fodder	Provides more energy	Suitable for plain & Mid hills	Native local agriculture deptt.	Pahari/ Plain
Wheat	<i>Triticum aestivum</i>	Hyrbird/ Desi	Hybrid/ Desi	Plain/ Hilly		Plenty	Plenty	High Yield Variety	Dec to april	Food/ Fodder	Provides more energy	Suitable for plain & Mid hills	Native local agriculture deptt.	Pahari/ Plain
Maize	<i>Zea mays</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Bajra	<i>Pennisetum glaucum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Chari	<i>Sorghum bicolor</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Arhar	<i>Cajanus cajan</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Moong	<i>Vigna radiata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-
Shiti	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	_	_
Grapes	<i>Vitis vinifera</i>	Angoor	Desi unbudded	Agricultural Land	Available	Rare	_	Seeds/ Plants	June-september	Own uses	_	_
Sweet Lime	<i>Citrus limetoides</i>	Metha	Desi unbudded	Agricultural Land	Available	Rare	_	Seeds/ Plants	April-May	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	<i>Ficus auriculata</i>	Trimbli	Desi unbudded	Agricultural Land	Available	Available	_	Plants	May-June	Own uses	_	_
Banana	<i>Musa paradisiaca</i>	Kela	Desi unbudded	Agricultural Land	Available	Rare	_	Plants	July-August	Own uses	_	_
Jamun	<i>Syzygium cumini</i>	Jamun	Desi unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	March-July	Own uses	_	_
Bael	<i>Aegle marmelos</i>	Bael	Wild unbudded	Agricultural Land	Available	Rare	_	Seeds/ Plants	March-June	Own uses	_	_
Wild Khajoor	<i>Phoenix sylvestris</i>	Wild Khajoor	Wild unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	October-December	Own uses	_	_
Toot	<i>Morus indica</i>	Shahtoot	Wild unbudded	Agricultural Land	Available	Available	_	Plants	July-August	Own uses	_	_
Karonda	<i>Carissa carandas</i>	Garna	Wild unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	March-August	Own uses	_	_
Ber	<i>Zizyphus mauritiana</i>	Ber	Wild unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	Feb-April	Own uses	_	_
Plum	<i>Prunus dulcis</i>	Aloo bakhara	Satluj/ sanat/ Rosa	Agricultural Land	Rare	Available	_	Seeds/ Plants	March-July	Own uses	_	_
Apple	<i>Malus domestica</i>	Seb	Royal, golden, delicious	Agricultural Land	Available	Available		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	Market/ 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	General/ SC/ OBC
Berssem	<i>Trifolium alexandrinum</i>	Beerseen	winter forage.	Plenty	Plenty	Market/ 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	General/ SC/ OBC
Bajra	<i>Pennisetum glaucum</i>	Bajra	Warm climate crop	Plenty	Plenty	Market/ Agri. Deptt.	–	Whole Plant	–	General/ SC/ OBC
Chari	<i>Sorghum bicolor</i>	Chari	Warm climate crop	Plenty	Plenty	Market/ Agri. Deptt.	–	Whole Plant	–	General/ SC/ OBC

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					
shol		Shol	Paddy	Broad leaf and consumed the nutrients of the plants and reduces the production	floating on the water	Plenty	Plenty	Nil	Drying of paddy field as a result leaves dry	-	Hady and wider adoptability, multiply very fast	Gen/ SC/ST/OBC
Shama		Shama	Paddy	compete with nutritions, light and space with Paddy crop and reduces the production	Tall growing just like paddy	Plenty	Plenty	Nil	Use of weedicide	-	-	Gen/ SC/ST/OBC
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	Gen/ SC/ST/OBC
Sitti	<i>Phalaris minor</i>	Sitti, Gehoon ka mama, Gulli Danda	Wheat	Compete with nutritions, light and space with wheat crop and reduces the production Narrow Leav 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	Gen/ SC/ST/OBC
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.	Gen/ SC/ST/OBC
Dilla	<i>Cyperus rotundus</i>	Dilla	Paddy	Middle part	Paddy	Plenty	Plenty	Nil	Mannually/ Weedicide			Gen/ SC/ST/OBC

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>Dicladispa armigera</i>	Neela tittu	Appeaqr in all varieties of rice	July -Sep	1. Clip the affected tips of leaves before transplanting	Quinalphos 25EC 1 litre per ha in 750 ltr of water	The grubs this pest mine into the leaves and adults are external 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>	Titali	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	Titali	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 sacle		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			
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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
4/1122	170/Farming	Farming	Agriculture	Winter / Summer	Old/ Modern	-	4	Average	good	170

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc.

Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc

How the community manages the landscapes they use for satisfying different needs, their strategies and perception

How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc

Format 8: Landscape

Format 8: Landscape													
1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			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	Fallow land											
Cultivated Land	Not Applicable	Not	Cultivated Land	-	Private	Local Plants&some wild Plants	Insects	Local People	Modern Agricultral Practices	Agricultural	Unknown	Unknown	Local People
		Applicable											
Irrigated land	Not applicable	Not applicable	Irrigated Land	-	Govt. & Private	Acquatic Plants	Insects	Local People	Modern Agricultral Practices	Agricultural	Unknown	Unknown	Local People
Forest Land	Not applicable	Not applicable	Forest Land	-	Govt.	Local Plants& some wild Plants	Insect & Amphibians	Local People	-	Firewood And Grazing	Unknown	Unknown	Local People
Grazing Land	Not applicable	Not applicable	Non Irrigated Land	-	Govt.	some wild Plants	Insects	Local People	-	Grazing of Cattles	Unknown	Unknown	Local People
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
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
Sandy	Grey	Does not retain water	Recharged with Tank Bed	Maize, Beans	Fodder plants/Snakes ,insects	Unknown	Unknown
Loamy	Brown	Retain Water	High in Moisture	Wheat, paddy,vegetables etc	Fodder	Unknown	Unknown
					Plants/Rats,Insects		
Clay	Brownish	Retains Water	High in moisture	Wheat, paddy,vegetables etc	Fodder	Unknown	Unknown
	Mixture				Plants/Rats,Insects		
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	Amrapali	Agricultural Land	Available	Available	Agricultural/ Local	March-july	–	–	Own/ Market	–
Guava	<i>Psidium guajava</i>	Amrud	L-49 Allahabad safeda	Agricultural Land	Available	Available	Agricultural/ Local	August- december	–	–	Own/ Market	–
Lemon	<i>Citrus aurantifolia</i>	Nimbu	Kagzi, Kumkath	Agricultural Land	Available	Available	Agricultural/ Local	November- december	–	–	Own/ Market	–
Papaya	<i>Carica papaya</i>	Papita	Washington	Agricultural Land	Available	Available	Agricultural/ Local	All seasons	–	–	Own/ Market	–
Grapes	<i>Vitis vinifera</i>	Angoor, Daakh	Seedless	Agricultural Land	Available	Available	Agricultural/ Local	June- september	–	–	Own/ Market	–
Amla	<i>Phyllanthus emblica</i>	Amla	Banarsi	Agricultural Land	Available	Available	Agricultural/ Local	August- November	–	–	Own/ Market	–
Date Palm	<i>Phoenix dactylifera</i>	Khajoor	Local	Agricultural Land	Available	Available	Agricultural/ Local	March-july	–	–	Own/ Market	–
Jamun	<i>Syzygium cumini</i>	Jamun	Local	Agricultural Land	Available	Available	Agricultural/ Local	March-july	–	–	Own/ Market	–

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

1	2	3	4		5	6		7	8	9		10	11
Plant Type	Local name	Scientific Name	Variety	Landscape / Habitat	Sources of plants / seeds	Local Status		Associated TK	Uses(usage)	Part used	Associated TK	Others details market/own use	Community/ Knowledge Holder
						Past	Present						
Tree	Khair	<i>Acacia catechu</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	Cold & Cough	Heart wood	Cold & Cough	Unknown	Self observed
Tree	Kikar	<i>Acacia nilotica</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	Root extract	root	Root extract	Unknown	Self observed
Tree	Parkanda	<i>Achyranthes aspera</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	Cultural values	small branches	Cultural values	Unknown	Self observed
Tree	Bel	<i>Aegle marmelos</i>	Wild	Sub-tropical	Naturally / Self Grown	Available	Available	Unknown	Cultural values	Leaves & Fruit	Cultural values	Unknown	Self observed
Tree	Kramblu	<i>Albizia odoratissima</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	Rasount	roots	Rasount	Unknown	Self observed
Tree	Neem	<i>Azadirachta indica</i>	Wild	Sub-tropical	Naturally / Self Grown	Available	Available	Unknown	Skin allergy	Leaves	Skin allergy	Unknown	Self observed
Shrubs	Bhang	<i>Cannabis sativa</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	To cure cancer	Leaves	To cure cancer	Unknown	Self observed
Tree	Krangal	<i>Cassia fistula</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	To cure Cholera	Seeds	To cure Cholera	Unknown	Self observed
Herbs	Brahmi buti	<i>Centella asiatica</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	To cure nose bleeding	Leaves	To cure nose bleeding	Unknown	Self observed
Herbs	Khas Khas	<i>Chrysopogon zizanooides</i>	Wild	Sub-tropical	Self Grown	Available	unavailable	Unknown	used in confectionary	Seeds	used in confectionary	Unknown	Self observed

Tree	Fagora	<i>Ficus palmata</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	used in healing wounds	Extract	used in healing wounds	Unknown	Self observed
Shrubs	Drenkeri	<i>Murraya koenigii</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	used in confectionary	Leaves	used in confectionary	Unknown	Self observed
Tree	Khajoor	<i>Phoenix sylvestris</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	To remove weakness	Fruit	To remove weakness	Unknown	Self observed
Tree	Amla	<i>Phyllanthus emblica</i>	Wild	Sub-tropical	Naturally / Self Grown	Available	Available	Unknown	Multi uses	Fruit	Multi uses	Unknown	Self observed
Tree	Jamun	<i>Syzygium cumini</i>	Wild	Sub-tropical	Naturally / Self Grown	Available	Available	Unknown	To cure diabetes	Seeds	To cure diabetes	Unknown	Self observed
Tree	Imli	<i>Tamarindus indica</i>	Wild	Sub-tropical	Naturally / Self Grown	Available	Available	Unknown	used in confectionary	Fruit	used in confectionary	Unknown	Self observed
Tree	Arjun	<i>Terminalia arjuna</i>	Wild	Sub-tropical	Naturally / Self Grown	Available	Available	Unknown	To cure diabetes	Bark	To cure diabetes	Unknown	Self observed
Tree	Bahera	<i>Terminalia bellirica</i>	Wild	Sub-tropical	Naturally / Self Grown	Available	Available	Unknown	To cure constipation	Fruit	To cure constipation	Unknown	Self observed
Tree	Harar	<i>Terminalia chebula</i>	Wild	Sub-tropical	Naturally / Self Grown	Available	Available	Unknown	To cure constipation	Fruit	To cure constipation	Unknown	Self observed
Herbs	Giloe	<i>Tinospora sinensis</i>	Wild	Sub-tropical	Naturally Grown	Available	Available	Unknown	To boost immunity	Stem	To boost immunity	Unknown	Self observed

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	Talli	<i>Dalbergia sissoo</i>	Sub Tropical	Available	Available	Wild	Timber wood	-	Nil	Self Observed
Tree	Tuni	<i>Cedrela toona</i>	Sub Tropical	Available	Available	Wild	Timber wood	Wood used for furniture	Nil	Self Observed
Tree	Chir	<i>Pinus roxburghii</i>	Sub Tropical	Available	Available	Wild	Timber wood	Wood used for making agriculture equipments	Nil	Self Observed
Tree	Safeda	<i>Eucalyptus Spp.</i>	Sub Tropical	Available	Available	Wild	Timber wood	Wood used for furniture	Nil	Self Observed
Tree	Simbal	<i>Bombax cieba</i>	Sub Tropical	Available	Available	Wild	Timber wood	Wood used for making agriculture equipments	Nil	Self Observed
Tree	Jamun	<i>Syzygium cumini</i>	Sub Tropical	Available	Available	Wild	Timber wood	Wood used for making agriculture equipments	Nil	Self Observed

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	Highly Nutrious	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	Highly Nutrious	No		Self Observed
Dog	Kutta	<i>Cannis lupus familiaris</i>	Local/ Hyrid	Pet	Domesticated & Stray	Available	Available	Guarding & Watching	Highly Nutrious	No	Nil	Self Observed
Horse/ Mules/ Donkey	Ghoda/ Khachar/Khota	<i>Equus caballus</i>	Local/ Hyrid	Pet	Domesticated	Available	Available	Carriage & Cart Pulling	Highly Nutrious	No	Nil	Self Observed
Buff Bull	Chotta	<i>Bubalus bubalis</i>	Local	Pet	Domesticated	Rare	Rare	Breeding and ploughing	Highly Nutrious	No	Nil	Self Observed
Cat	Billi	<i>Felis catus.</i>	Local	Pet	Domesticated & Free Roaming	Available	Available	No	Highly Nutrious	No	Nil	Self Observed
Poultry	Kukad/Kukdi	<i>Gallus gallus</i>	Local/ Hyrid	Pet	Domesticated	Available	Available	Meat & Egg Production	Highly Nutrious	Yes	Nil	Self Observed
Sheep	Bhed	<i>Ovies aries</i>	Local/ Hyrid	Pet	Domesticated	Available	Available	Meat	Higly Nutrious	Yes	Nil	Self Observed
Goat	Bakri	<i>Capra aegagrus hircus</i>	Local/ Hyrid	Pet	Domesticated	Available	Available	Meat	Higly Nutrious	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					
Local	Dola	<i>Channa striata</i>	Local	–	Pond / Talab	Available	Available	Meat	–	Yes	–	–
Local	Tichar	–	Local	–	Pond / Talab	Available	Available	Meat	–	Yes	–	–

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
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	Khair	<i>Acacia catechu</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Kodh	<i>Aloe barbadensis</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Krongal	<i>Cassia fistula</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed

Tree	Lucenia	<i>Leucaena spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Plah	<i>Butea monosperma</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Phulai	<i>Acacia modesta</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves 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>Albizia 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	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	Oanni	<i>Lyonia ovalifolia</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	Soyanjana	<i>Moringa oleifera</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Unknown	Medicinal use	Self observed
Tree	Tunnu	<i>Toona ciliata</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Neem	<i>Azadirachta indica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	chamar sama	<i>Holoptelea integrifolia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	lasura	<i>Cordia myxa</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Unknown	Medicinal use	Self observed
Tree	kassod	<i>Senna siamea</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	tantary	<i>Oroxylum indicum</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
Tree	Imli	<i>Tamarandis indica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	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	Khair	<i>Acacia catechu</i>	Wild	Social and Economic	Available
2	Phulai or Fly	<i>Acacia modesta</i>	Wild	Social and Economic	Available
3	Kikar	<i>Acacia nilotica</i>	Wild	Social and Economic	Available
4	Parkanda	<i>Achyranthes aspera</i>	Wild	Social and Economic	Available
5	Bel	<i>Aegle marmelos</i>	Wild	Social and Economic	Available
6	Kramblu	<i>Albizia odoratissima</i>	Wild	Social and Economic	Available
7	Kwad Gandal	<i>Aloe barbadensis</i>	Wild	Social and Economic	Available
8	Chaleri Saag	<i>Amaranthus viridis</i>	Wild	Social and Economic	Available
9	Seski	<i>Artemisia parviflora</i>	Wild	Social and Economic	Available
10	Kathal	<i>Artocarpus heterophyllus</i>	Wild	Social and Economic	Available
11	Nad	<i>Arundo donax</i>	Wild	Social and Economic	Available
12	Neem	<i>Azadirachta indica</i>	Wild	Social and Economic	Available
13	Bamboo	<i>Bambusa bambos</i>	Wild	Social and Economic	Available
14	Bamboo	<i>Bambusa nutans</i>	Wild	Social and Economic	Available
15	Kachnar	<i>Bauhinia purpurea</i>	Wild	Social and Economic	Available
16	Baloonger	<i>Bauhinia vahlii</i>	Wild	Social and Economic	Available
17	Kachnar	<i>Bauhinia variegata</i>	Wild	Social and Economic	Available
18	Simbal	<i>Bombax ceiba</i>	Wild	Social and Economic	Available
19	Jungli toot	<i>Broussonetia papyrifera</i>	Wild	Social and Economic	Available
20	Plaah	<i>Butea monosperma</i>	Wild	Social and Economic	Available
21	Bhang	<i>Cannabis sativa</i>	Wild	Social and Economic	Available

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
22	Krangal	<i>Cassia fistula</i>	Wild	Social and Economic	Available
23	Karun	<i>Chenopodium murale</i>	Wild	Social and Economic	Available
24	Khas Khas	<i>Chrysopogon zizanoides</i>	Wild	Social and Economic	Available
25	Deela	<i>Cyperus rotundus</i>	Wild	Social and Economic	Available
26	Tali	<i>Dalbergia sissoo</i>	Wild	Social and Economic	Available
27	Dhatura	<i>Datura stramonium</i>	Wild	Social and Economic	Available
28	Baans	<i>Dendrocalamus strictus</i>	Wild	Social and Economic	Available
29	Palain	<i>Dichanthium annulatum</i>	Wild	Social and Economic	Available
30	Kalu grass	<i>Dicliptera bupleuroides</i>	Wild	Social and Economic	Available
31	Sadhun	<i>Dioscorea melanophyma</i>	Wild	Social and Economic	Available
32	Santha	<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
33	Duranta	<i>Duranta erecta</i>	Wild	Social and Economic	Available
34	Safeda	<i>Eucalyptus camaldulensis</i>	Wild	Social and Economic	Available
35	Hybrid safeda	<i>Eucalyptus tereticornis</i>	Wild	Social and Economic	Available
36	Bubbeain	<i>Eulaliopsis binata</i>	Wild	Social and Economic	Available
37	Trimbal	<i>Ficus auriculata</i>	Wild	Social and Economic	Available
38	Bohr	<i>Ficus benghalensis</i>	Wild	Social and Economic	Available
39	Fagora	<i>Ficus palmata</i>	Wild	Social and Economic	Available
40	Badh or Pipal	<i>Ficus religiosa</i>	Wild	Social and Economic	Available
41	Kakoa	<i>Flacourtia indica</i>	Wild	Social and Economic	Available
42	Kanphuta	<i>Flemingia chappar</i>	Wild	Social and Economic	Available
43	Dhaman	<i>Grewia optiva</i>	Wild	Social and Economic	Available
44	Lamb grass	<i>Heteropogon contortus</i>	Wild	Social and Economic	Available
45	Aakh	<i>Ipomoea carnea</i>	Wild	Social and Economic	Available

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
46	Kharpoway	<i>Ipomoea purpurea</i>	Wild	Social and Economic	Available
47	Chameli	<i>Jasminum officinale</i>	Wild	Social and Economic	Available
48	Ratanjot	<i>Jatropha curcas</i>	Wild	Social and Economic	Available
49	Brenker	<i>Justicia adhatoda</i>	Wild	Social and Economic	Available
50	Kemal	<i>Lannea coromandelica</i>	Wild	Social and Economic	Available
51	Panjphuli	<i>Lantana camara</i>	Wild	Social and Economic	Available
52	Mithu grass	<i>Lathyrus sativus</i>	Wild	Social and Economic	Available
53	Baryar	<i>Malvastrum coromandelianum</i>	Wild	Social and Economic	Available
54	Aam	<i>Mangifera indica</i>	Wild	Social and Economic	Available
55	Drehnk	<i>Melia azedarach</i>	Wild	Social and Economic	Available
56	Kaam	<i>Mitragyna parvifolia</i>	Wild	Social and Economic	Available
57	Toot	<i>Morus alba</i>	Wild	Social and Economic	Available
58	Drenkeri	<i>Murraya koenigii</i>	Wild	Social and Economic	Available
59	Gandila	<i>Nerium oleander</i>	Wild	Social and Economic	Available
60	Kua	<i>Olea europaea</i> subsp.	Wild	Social and Economic	Available
61		<i>cuspidata</i>	Wild	Social and Economic	Available
62	Congress Grass or Jari	<i>Parthenium hysterophorus</i>	Wild	Social and Economic	Available
63	Napier grass	<i>Pennisetum purpureum</i>	Wild	Social and Economic	Available
64	Khajoor	<i>Phoenix sylvestris</i>	Wild	Social and Economic	Available
65	Amla	<i>Phyllanthus emblica</i>	Wild	Social and Economic	Available
66	Chir	<i>Pinus roxburghii</i>	Wild	Social and Economic	Available
67	Jojra	<i>Pupalia lappacea</i>	Wild	Social and Economic	Available
68	Arnid	<i>Ricinus communis</i>	Wild	Social and Economic	Available
69	Junglee Palak	<i>Rumex hastatus</i>	Wild	Social and Economic	Available

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
70	Khar	<i>Saccharum bengalense</i>	Wild	Social and Economic	Available
71	Kai	<i>Saccharum spontaneum</i>	Wild	Social and Economic	Available
72	Reetha	<i>Sapindus mukorossi</i>	Wild	Social and Economic	Available
73	Bari kasondi	<i>Senna occidentalis</i>	Wild	Social and Economic	Available
74	Kassod	<i>Senna siamea</i>	Wild	Social and Economic	Available
75	Ban tamakoo	<i>Solanum erianthum</i>	Wild	Social and Economic	Available
76	Jamun	<i>Syzygium cumini</i>	Wild	Social and Economic	Available
77	Imli	<i>Tamarindus indica</i>	Wild	Social and Economic	Available
78	Arjun	<i>Terminalia arjuna</i>	Wild	Social and Economic	Available
79	Bahera	<i>Terminalia bellirica</i>	Wild	Social and Economic	Available
80	Harar	<i>Terminalia chebula</i>	Wild	Social and Economic	Available
81	Giloe	<i>Tinospora sinensis</i>	Wild	Social and Economic	Available
82	Tunu	<i>Toona ciliata</i>	Wild	Social and Economic	Available
83	Pakhra	<i>Tribulus terrestris</i>	Wild	Social and Economic	Available
84	Bana	<i>Vitex negundo</i>	Wild	Social and Economic	Available
85	Pansar	<i>Wendlandia exserta</i>	Wild	Social and Economic	Available
86	Dhain	<i>Woodfordia floribunda</i>	Wild	Social and Economic	Available
87	Dhain	<i>Woodfordia fruticosa</i>	Wild	Social and Economic	Available
88	Jojera	<i>Xanthium strumarium</i>	Wild	Social and Economic	Available
89	Timbru	<i>Zanthoxylum armatum</i>	Wild	Social and Economic	Available
90	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>
<i>Lotus</i>	<i>Nelumbo nucifera</i>	<i>soft plant</i>		<i>Ponds</i>	<i>Available</i>	<i>Available</i>	<i>Worship</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	Kamal	<i>Nelumbo nucifera</i>	local	Worshipping	unknown
2	Aak	<i>Calotropis gogantea</i>	local	None	unknown
3	Hydrilla	<i>Hydrilla verticillata</i>	local	None	unknown

Format 22: Wild Plants of Medicinal Importance

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Status		Associated TK	Uses (usage)	Part used	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	Neem	<i>Azadirachta indica</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Simbal	<i>Bombax ceiba</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Shrubs	Bhang	<i>Cannabis sativa</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Shrubs	Garna	<i>Carissa spinarum</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Krangal	<i>Cassia fistula</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Herbs	Brahmi buti	<i>Centella asiatica</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Herbs	Khas Khas	<i>Chrysopogon zizanoides</i>	Wild	Sub-tropical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	

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

Format 23: Wild 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 adressed
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
Rose	<i>Rosa</i>	Local	Sub tropical	Both	Garden	Unavailable	Self observed
Raat ki Ranni	<i>Cestrum nocturnum</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Gainda	<i>Tagetes</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Tulsi	<i>Ocimum tenuiflorum</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Cactus	<i>Cactaceae</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Aloevera	<i>Aloe barbadensis miller</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Ashoka	<i>Saraca asoca</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Bottle brush	<i>Callistemon Lanceolatus</i>	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed

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
Tree	Neem	<i>Azadirachta indica</i>	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	leaves have medicinal value	self observed
Shrub	Peach	<i>Prunus persica</i>	Local	Sub tropical	Available	Available	Oral health care	leaves, branches	unknown	fruit	self observed
Climber	Giloy	<i>Tinospora sinensis</i>	Local	Sub tropical	Available	Available	Oral health care	stem	unknown	unknown	self observed
Shrub	Drenkari	<i>Murraya koenigii</i>	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	unknown	self observed
Tree	Khajoor	<i>Phoenix sylvestris</i>	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	fruits	self observed
Shurb	Garna	<i>Carissa spinarum</i>	Tree	Sub Tropical	Available	Available	Medical	Leaves, Flowers	Medical	NA	
Shurb	Brahmi buti	<i>Centella asiatica</i>	Tree	Sub Tropical	Available	Available	Medical	Leaves, Flowers	Medical	NA	

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				
Talli	<i>Dalbergia sissoo</i>	Sub-tropical	Available	Available	Timber wood	wild	nil	self addressed
Tuni	<i>Toona ciliata</i>	Sub-tropical	Available	Available	Timber wood	wild	nil	self addressed
Safeda	<i>Corymbia citriodora</i>	Sub-tropical	Available	Available	Timber wood	wild	nil	self addressed
Simbal	<i>Bombax ceiba</i>	Sub-tropical	Available	Available	Timber wood	wild	nil	self addressed
Jamun	<i>Syzygium cumini</i>	Sub-tropical	Available	Available	Timber wood	wild	nil	self addressed
Chir	<i>Pinus roxburghii</i>	Sub-tropical	Available	Available	Timber wood	wild	nil	self addressed

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	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	Wild boar	<i>Sus scrofa</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

Format 29: Flora (Urban Biodiversity)

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

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

Format 31: Any other information of local importance

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

End of Part II