People Biodiversity Register (PBR): General Details
Name of the Panchayat Samiti: Kathar
Taluk: Maira Mandrian
District: Jammu
State / UT: J&K
Geographical Area of the Panchayat Samiti:
Population under the Panchayat Samiti:
Male: Female:
Habitat and Topography:
Climate (Rainfall, Temperature and weather patterns):
Land Use (Nine fold classification available with village records):
Date, Month and Year of PBR Preparation: 30/11/2019
Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

А	n	n	ex	П	re

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: Rohit Sharma

Age: 39 years

Gender: Male

Address: Kathar

Area of specialization:

2) Name: Meenakshi Sharma

Age: 31 years

Gender: Female

Address: Kathar

Area of specialization:

3) Name: - Suresh Kumari

Age: 35 years

Gender: Female

Address: Manoha

Area of specialization:

4)Name: Suram chand

Age: 31 years

Gender: Male

Address: Kathar

Area of specialization:

5)Name: Sukhdev Kumar

Age: 60 years

Gender: Male

Address: Kah

Area of specialization:

6)Name: Balbadar Singh

Age: 55 years

Gender: Male

Address: Kah

Area of specialization:

7)Name: Shazad Ahmed

Age: 30 years

Gender: Male

Address: Nardi Bala

Area of specialization:

Annex
List of Vaids, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resoccurring within the jurisdiction of the village
1)Name:
Age:
Gender:
Address:
Area of specialization: Gynic
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
2) Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
3)Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:

Annexure
List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and foresty
1) Name of the Chairperson: Ram Parkash
Age: 65 years
Gender: Male
Address: Kathar
Area of specialization: Agriculture
2) Name of the Chairperson: Om Parkash
Age: 55 Yrs
Gender: Male
Address: Kathar
Area of specialization: Agriculture
3)Name of the Chairperson:
Age:
Gender:
Address:
Area of specialization:
4)Name of the Chairperson:
Age:
Gender:
Address:
Area of specialization:

	Annexure 4
De inc	etails of schools, colleges, departments, universities, government institutions, non-governmental organization and dividuals involved in the preparation of the PBR
1)	Contact Person: Capt Girdhari Lal
	Name and Address: Kathar
2)	Contact Person:
	Name and Address: Forest Department
3)	Contact Person:
	Name and Address: Agriculture
4)	Contact Person:
	Name and Address:
Yo	ou 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		ic Name of the biological essed 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
		Local	Scientific names			
	Capt Girdhari lal R/o kathar	Jamun	Syzgium cimimi	8/21/2020	Nil	Nil
		Harad	Terminalia chebula			
		Sukchain	Pongamia pinnata			
		Arjun	Terminalia arjuna			

Part II PBR – Formats AGROBIODIVERSITY

Format 1: Crop Plants

1	2	3	4	5	6	,	7	8	9	10	11	12	13	14	15
Crop	Local	Scientific	Variety	Landscape /	Approx	Local	Status	Special Cropping	Uses	Associated	Other	Cropping	Source of Seeds /	Community /Knowledge	
Стор	Name	Name	variety	Habitat	Area Sown	Past	Present	features	Season	USCS	TK	Details	Season	Plants	Holder
		Oryza sativa		B-370(Fine & Long duration)	Planes / Low laying Areas	Normal	Normal		Basmati 370 is world wise known for its aroma		Provides		Kharif	Farmers /	t Farmers
1	Rice		Dhan/ Munji	Basmati 1121/(Coarse K39 K434 Rattana & Long duration		Normal	Normal		Medium tall Coarse Grains	Food & Fodder	energy fragrance and taste	-	(May to October)	Department / Privaate Suppliers	
			Maka	Dekalb double	Sub tropical / Upland	Rare	Plenty		Tall, high yielding with yellow in colour)		Food & Provides Fodder energy				
				K-517		Plenty	Rare								
2	Maize	Zea mays		Ujala		Normal	Plenty		Average tall with yellow in colour	Food & Fodder		-	Kharif (May to October)	Farmers / Department / Privaate Suppliers	Farmers
				K-612		Plenty	Normal							11	
				Pro Agro- 4794		Plenty	Normal		Tall, high yielding with yellow in colour)						

				PDM-54		Normal	Rare	Medium						
3	Moong	Vigna radiata	Moong	SML-668	Hot / Humid of Sub tropical	Normal	Plenty	High yielding Variety	Food	Source of Vegetable	Also suitable for green	Summer/ Kharif	Farmers / Department / Privaate	Farmers
				IPM-0203	region	Normal	Rare	Excessive vegetative growth		Protein	Manuring		Suppliers	
4	Mash	Vigna mungo	Mhaa	PU-19	Warm / Humid of	Normal	Normal	High yielding	Food	Source of Vegetable		Summer/	Farmers / Department	Farmers
	, same and a second	Utra	Sub tropical region	Normal	Normal	Variety	1 000	Protein	_	Kharif	/ Privaate Suppliers	1 difficis		
5	Bajra	Pennisetum	Bajra	Local Variety	Warm / Humid climate under	Normal	Normal	Tall & low	Food &	Source of	_	Kharif (May to	Farmers / Department	Farmers
	Вајга	americanum	Dajia	MHB-110 Sandy loam Soil	Sandy loam	Normal	Normal	Yielding variety	Fodder	Energy		October)	/ Privaate Suppliers	Tarmers
6	Wheat	Triticum aestivum	Kanak	HD2967,PB W644	Cool Climate during early part of its growth	Plenty	Plenty	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/Br ead making	Rabi	Farmers / Department / Privaate Suppliers	Farmers
7	Lentil	Lens esculantum	Masar	PL406	Cool & dry	Normal	Normal	High yielding Variety	Food	Source of Protein/ Energy	Improve soil fertility	Rabi	Farmers / Department / Privaate Suppliers	Farmers
8	Chick-pea	Cicer arietinum	Chana	GNG-469/C 235	Cool & dry	Normal	Normal	High yielding Variety	Food	Source of Protein/ Energy	Improve soil fertility	Rabi	Farmers / Department / Privaate Suppliers	Farmers

9	Peas	Pisum sativum	Matar	Rachna	Cool & dry	Normal	Normal	Early maturing &High yielding	Food	Source of Protein/ Energy	Used as Vegetable	Rabi	Farmers / Department / Privaate Suppliers	Farmers
10	Onion	Allium cepa	Gamd	nasik Red. Red Coral, Monsanto And Local Spp.	local Planee areas	Abundant	Rare	Bulbs Cash Crop	Vegetab gles	Vegetable	Staple Vegetable food	Rabi	Farmers / Department / Privaate Suppliers	
11	Mustard	Brassica juncea/ Brassica comprestris	Sarson	Pusa Bold/ KOS -1	Cool & dry	Normal	Normal	Matures in 145- 150 days with 40-42 % oil content	oil for Food	Source of energy i	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department / Privaate Suppliers	Farmers
12	Gobhi Sarson	Brassica napus	Gobhi Saria	GSL-1,DGS- 1 ,Local	Cool & dry	Normal	Abundant	Annual Herb,yellow flowers bearing Pods		Source of energy i,calciam,cop per,potassium	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department / Privaate Suppliers	Farmers
13	Linseed	Linum usitatissimu m	Alsi	LC 54	Cool & dry	Normal	Normal	Medium duration	Food & fiber	Source of energy in the shape of Oil	Medicinal,in dustrial & domestic use	Rabi	Farmers / Department / Privaate Suppliers	Farmers

14	Potato	Solamum tuberosum	Aalo	Kufri Sindhuri,Kufr i Badsha, local	Potato is an herbaceous annual,requir s cool weather,most ly rainfed conditions	Abundant	Normal	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable,ch ips etc	-	High carbohydrate ,provide high n energy value	Rabi	Farmers / Department / Privaate Suppliers	Farmers
15	Toria	Brassica j. rape cv.Toria	Toria	RSPT- 1,RSPT- 2,Local var.	Cool & dry with bright sunshine	Normal	Normal	Short durationAnnual Herb	oil for prepration of Food	Source of energy i,calciam,cop per,potassium	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	Farmers / Department / Privaate Suppliers	Farmers
16	Sesame	Sesamum indicum	Til	Punjab Til No.1/local	Warm / Humid of Sub tropical region	Normal	Normal	Medium Yielding	Food	Source of Vegetable oil	Religiuos and medicinal value	June - Oct.	Farmers / Department / Privaate Suppliers	Farmers
17	Sugarcane	Saccharum officinarum	Ganna	COJ-64,COJ- 81	Sub Tropical	Rare	Rare	Long duration crop for Nine months	Food	Source of energy in the shape of Gur/Sugar	Juice used as prefered drink for instant source of energy during summer besides	Spring season	Farmers / Department / Privaate Suppliers	Farmers
18	Chilli	Capsicum spp	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropicall vegetable,gro ws well warm humid conditions	Abundant	Normal	Pungency and flavor	Used as spice ,medic ianal value	-	Contains good ammount of vitamin A&C	winter season	Farmers / Department / Privaate Suppliers	Farmers

19	Tomato	Solanum lycopersicum	Tamater	Pusa rubi,Pusa early dwarf, Manisha Plus/local	Warm season crop	Abundant	Normal	Stems are woody and weak, and tend to vine over other types of plants.	Used as vegetable ,sa lad, soup, Souce	rich source of Ascorbic acid	Tomatoes ar e also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department / Privaate Suppliers	Farmers
20	Okra	Abelmoschus esculentus	Bindi	Varsha uphar, Arka Anamika	Tropica/sub tropicall vegetablHot and humid climate	Abundant	Normal	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dieta fibers,protei n and carbohydrate sry	Kharif	Farmers / Department / Privaate Suppliers	Farmers
21	Cucumber	Cucumis sativus	Kheera	Kheera local,JL	Grows in all climatoic conditions,Tr opical,Sub tropical &temprate	Abundant	Normal	Limbing annual bearing elongated thick cylendrical fruit	Mainly used as salad	-	It also used asantipyretic and causing cooling effect	Summer/ Kharif	Farmers / Department / Privaate Suppliers	Farmers
22	Bottle gourd	Lagenaria siceraria	Lokki	PSPL/Punjab Long	Summer &rainy season crop	Abundant	Abundant	Vines vigrous, profusly branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/ kharif	Farmers / Department / Privaate Suppliers	Farmers
23	Bitter gourd	Momordica charantia	karela	Pusa Domausmi/K undan	Warm and Humid climate	Abundant	Normal	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maitaining low suger level	Summer/ kharif	Farmers / Department / Privaate Suppliers	Farmers

24	Beans	Phaseolus Spp.	Phaliya	Contender	Cool weather crop/Sandy/l oamy soil	Abundant	Abundant	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High vale protein,Vita mineB1,B2< B6 and Maganese	Summer season	Farmers / Department / Privaate Suppliers	Farmers
25	Cauliflowe r	Brassica oleracae var.botrytis	Fol gobi	Pusa snow ball,Pusa Katki,local Girja	Both sub tropical &intermediat e	Abundant	Abundant	White and tender head ,curdformed from shortened flower part	Curd Mainly used as vegetable		Also good sourse of protein,carbo hydrate,phas phorus& iron	Rabi	Farmers / Department / Privaate Suppliers	Farmers
26	Cabbage	Brassica oleracae var.capitata	Band gobi	Golden Acre,Pride of India,Green Flesh	Both sub tropical &intermediat e	Abundant	Abundant	withlight to dark	Head Mainly used as vegetable,sal ad	-	Also good sourse of protein,carbo hydrate,phas phorus& iron	Rabi	Farmers / Department / Privaate Suppliers	Farmers
27	Knol khol	Brassica oleracae var.gongyloi des	Kadam	White vienna,Purple vienna	cool &moist climate/sub tropical	Abundant	Abundant	Swollen stem ,grren/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	-	Rabi	Farmers / Department / Privaate Suppliers	Farmers
28	Spinach	Spinacea oleracea	Palak	All Green,Delta	Cool season Crop, thrives well on well drained loam soils	Abundant	Abundant	Tender green leaves & root used as Vegetable	Tender green leaves used as leafy Vegetable		Vitamins A and C, fiber, folic acid, and other nutrients	Rabi	Farmers / Department / Privaate Suppliers	Farmers

29	Radish	Raphanus sativus	Mulli	Japanes White ,Koren Etc	Cool season Crop, thrives well on well drained Sandy loam soils	Abundant	Normal	Tender green leaves &roots used as Vegetable	Modified Roots are used as Vegetabke & Salad	-	Full of vitamin A, C, E, B6, potassium, and other minerals,	Rabi	Farmers / Department / Privaate Suppliers	Farmers
30	Carrot	Daucus carota	Gajer	Pusa Kesar,local	Cool &moist climate/ sub tropical& intermedite	Abundant	Rare	Modified Root is eatable	Root is used as Vegetable, Salad, Juice, Sweet Dish, Preserve etc.		Good source of carotene, , lutein, and zeaxanthin.V it A,C,B6,Foli c acid	Rabi	Farmers / Department / Privaate Suppliers	Farmers
31	Turnip	Brassica rapa	Gunglu /Shalgam	PTWG/Local	Cool &moist climate/sub tropical&inte rmedite	Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable ,Salad,.		Good source of Vit.C,Diatry Fiber &Potasium	Rabi	Farmers / Department / Privaate Suppliers	Farmers
32	Exocitic Vegetables	Brocolli// Chinese Cabbage / Capsicum etc.		Prevelent Hybrid varieties	Cool &moist climate/sub tropical&inte rmedite	Rare	Abundant	All Plants Carts and Fruits are eadable Ric Source of antioxidents	Salad and Vegetable		Ric Source of Multivitimin s, Minierals and Antioxidents	Rabi	Farmers / Department / Privaate Suppliers	Farmers

	Format-2 : Fruit Plants														
1	2	3	4	5		6	7	8	9	10	11	12			
Plant	Scientific Name	Local Name	Variety	Landscape	Local	Status	Source of	Season of	Associated	Uses	Other Details	Community /Knowledge			
			v	/Habitat	Past	Present	Seeds / Plants	fruiting	TK		markt / own use	Holder			
	Magnifera indica	Mango			Abundant	Abundant									
	Ziziphus mauritiana	Ber			Abundant	Abundant									
	Psidium guajava	Guava			Normal	Normal									

					For	mat 3:-Fo	dder Cro	ps / Spec	cies				
1	2	3	4	5	6	7		8	9	10	11	12	13
					Area	Landscape/	Local	Status			Other	Sources of	Community
S. No.	Plant	Scientific Name	Local Name	Habit	(Approx.)R abi/ Kharif	Habitat	Past	Present	Part Used	Associated TK	details(mode of use)	Seeds and Plants	Kn. Holders
1	Barseem	Trifolium alexandrium	Chhatala	Annual	8030	Sub Humid & moderately cool	Abundant	Abundant	Entire Plant	Nutritious & palatable fodder, Source of energy for animals	Fodder	Farmers / Department/ Privaate	Farmers
2	Oats	Avena spp.	Javi	Annual		Cool & moist climate	Abundant	Abundant	Above ground part of plant	Nutritious & palatable fodder,	Fodder		Farmers
3	Sorghum	Sorghum spp.	cherri	Annual		Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Fodder	Farmers / Department/	Farmers
4	Maize	Zea mays	Makki	Annual	COAD	Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Food & fodder	Privaate Suppliers	Farmers
5	Bajra	Pennisetium americanum	Bajra	Annual	6840	Warm & humid	Abundant	Normal	Above ground part of plant	Source of energy	Food & fodder	Farmers / Department/	Farmers
6	Cowpea	Vigna unguiculata	Rongi	Annual		Warm & humid	Abundant	Normal	Above ground part of plant	Kharif Legume with high protein	Fodder	Privaate Suppliers	Farmers

						Forma	t-4 : Wee	eds					
1	2	3	4	5	6	7		3	9	10	11	12	13
S. No.	Plant	Scientific Name	Land Name	Affected Crop	Habit	Landscape/	Local	Status	Uses if any	Management	Associated TK	Other details	Community
5. 110.	Fiant	Scientific Name	Local Name	Anected Crop	Парц	Habitat	Past	Present	Uses II any	options	Associated 1 K	Other details	Kn. Holders
1	Pig Weed	Amaranthus virdis	Jangli Choulai	Rice, Maize & sugarcane	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein & amino acid	Also Used as medicinal herb	Farmers
2	Lamb's quarters	Chenopodium album	Bathua/ Kanah/Wild Spinach	Wheat, Pea, Potato	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein,Vit. A, Calcium, Phosporous & potash	Annual feed & fermentation of Beverages	Farmers
3	Nut Grass	Cyprus rotundus	Dilla/Motha	Paddy,maize,sug arcane,vegetable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine	Farmers
4	Barnyard Grass	Echinochloa crusgalli	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers
5	Carrot grass	Parthenum hysterophorus	Congress Grass	Gardens & sugarcane ratoon crops & other crops	Annual	Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage		Farmers
6	Bur Clover	Medicago denticulata	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder,vege table & green manure	Mechanical, Chemical	Nil	Improves Soil fertility	Farmers
7	Canary Grass	Phalaris minor	Sitti/gilli danda	Wheat Grass Peas, mustard	annual	Agri. Land	Abundant	Abundant	Fodder & forage	Mechanical, Chemical	Source for High quality protein	Agri. Land	Farmers

		1	1	1					I	1	Ì	1	1
8	Meadow Pea	Lathyrus aphaca	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers
9	Canada Thistle	Cirsuim arvense	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
10	Bang	Cannabis indica	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
11	Nilibuti	Ageratum conyzoides	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
12	Dub Grass	Cynodon dactylon	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
13	Wild oats	Avena fatua	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
14	Wild Rice	Echinochloa colonum	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
15	Jhonson Grass	Sorghum helepense	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
16	wild onion	Allium humaie	Jangli payas	Onion	Annual herb	Temprate/ sub tropical	Rare	Rare	Food and medicine	All parts used	-	-	Farmers

				Forma	t-5: Pests of Cro	ops			
1	2	3	4	5	6	7	8	9	10
Host	Insect /Animals	Scientific Name	Local Name	Habitat	Time / Season of Attack	Management mechanism	Associated TK	Other Details	Community /Knowledge Holder
Mango	Insects	Amritous a\tkinsoni	Tella	Field/orchard	Feb-April	Pestcide Prunning	Discourge HDP		
Mango	Insects	Drosicha magiferae	Mealey Bug	Orchard	Feb Onwards	Pesticide, Basin Making	Hand Picking		
Citus	Insects	Paapilio ledmoteus	Caterpillar	Orchard/Field	April- May & Aug Oct.	Pesticides, Other Cultural Methods	Smoking Bagging Dispose Off		
Citus	Insects	Euodocina fullonia	Sucking Moth	Orchard/Field	Maturity Stage	Pesticides Orchard Sanitization			
Litchi	Insects	Gatesclarkeana erotias	Fruit Nut birer	Orchard/Field	At pea stage	Pesticides, Basin Making Ploughing			
Guava	Insects	Bactrocera dorsalis	Fruit Fly	Orchard/Field	Maturity Stage	Pesticides, Fruit Fly trape			
Amla	Insects	Phyllanthus emblica	Gall Maker	Orchard/Field	Feb Onwards	Pesticides Prunning	Destroy infected Shoots		

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

Note: [1] (D) – day; (M) – month; [2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

	Format 7: Peoplescape														
1	2	3	4	5	6	7	8	9	10	11					
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast / Tribe	Social condition	Nature of inhabitants	No. of HHs					
							ST/SC/OBC/ General								

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 1	Landsca	ipes	Sub -	Features and	0	C I G	Constitution	T.	Management	Carrellana	Associated	Other	Community		
Agricultural land	Pond	Fallow land	Landscapes approx. area		Ownership	General flora	General fauna	User groups	practices	General uses	TK	details	accessed		
Plains &	Plains & Kandi areas		Plains	Hilly as wellas	Forest land,Private ,st ate lands,	Broad leaved mainly	Domestic animals, wildlife such as porcupine, jackal etc.	Public,as well as pvt,and Govt also	-	Plantation and agriculture	-	-	-		
			Hillocks	Plain terrain with gentle slope	Forest land,Private ,st ate lands,	Broad leaved and conifers	Domestic animals, wildlife such as porcupine, jackal etc.	Public,as well as pvt,and Govt also	-	Plantation and agriculture	1	-	-		
Shiw	Shiwalik areas		Hills	Hills with gentle slopes	Forest land,Private ,st ate lands,	Broad leaved and conifers	Domestic animals, wildlife such as porcupine, jackal etc.	Public,as well as pvt,and Govt also	-	Plantation and agriculture	-	-	-		

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	Approx. 2		Ownership	General flora	Genreal fauna	Major Uses	User group	Management practices	General uses	Assocaited TK	Other details	Community accessed			
Ponds			Forest land and Private land	Kamal,Baryan,	Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public	-	-	-	-	-			
Streams			Forest land and Private land		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public	-	-	-	-	-			
Tube well			Forest land and Private land		Frogs, fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public	-	-	-	-	-			
Dug wells			Private		Frogs, fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public	1	ı	-	1	-			
Hand pumps			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public	ı	ı	-	-	-			
Bowlis			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public	-	-	-	-	-			

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
Alluvial sandy soil	Fine & coarse grain	rich in N,ca, fe,si	-	-	-	-	-
Hill and mountauin soil	Fine & coarse grain	ca,fe,n,si, etc	-	-	-	-	-
Red podozolic soil	brown,red	fe,ca,fe,n,si	-	-	-	-	-
Unconsolidated boulder soil	Coarse grain, rocky	fe, si	-	-	-	-	-

				F	ormat	11: Fru	it Trees					
1	2	3	4	6		7	8	9	10	11	12	13
Plant	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Past	Status Present	Source of Seeds / Plants	Season of fruiting	Associated TK	Uses	Other Details markt / own use	Community /Knowledge Holder
Mango	Aam	Mangifera indica	Desi, Dushari , Malta	Plains	plenty	plenty	Nurseries	June- August		Fruit,Picking, Preserves	Marketing, own use	
Citrus Fruits	Khatti, Mosambi, santra, Nimbu,	Citrus spp	Local,Kagzi lime, Italian limeHill lemon etc	plains,mid hills	plenty	plenty	Nurseries	throughout year		Fruit, picking Squashes etc.	Marketing, own use	
Litchi	Litchi	Litchi chinensis	Calcutta Dehradun	plains	plenty	plenty	Nurseries	June- August		fruit	Marketing	
Guava	Amrood	Psidium guajava	Local, Allahabadi, Safaida	plains lower hills	plenty	plenty	Nurseries	June- August		fruit	Marketing, own use	
Grapes	Angoor	Vitis vinifera Michx	Local Dakh perlette	plains mid hills	rare	plenty	Nurseries	June- August		fruit		
Aonia	Ambla	Emblica officinalls Syn Phylianthus emblica	local selection NA-7	Plains mid hills	plenty	plenty	Nurseries local collection	Nov- Dec.		picking, fruit juices	Marketing, own use	

Ber	ber	Zizyphus mauritiana lamk	Gola Banarasi	Plains	plenty	plenty	local raised	July- August	fruit	Own use	
Jamun	Jamun	Syzygium cumini	local selection	plains	rare	rare	Nurseries, local raised	July- August	fruit	Own use	
Pomegranate	Anar, Druni	Punicia granatum	Ganesh, Kandhari local	plains	rare	rare	Nurseries, local raised, wild	May- August	fruit, anardana	Own use	
pear	Nakh	Pyrus app	Patharmakh, china pear	plains mid hills	rare	rare	Nurseries	August-Sept	fruit	Own use	
Peach	Aaroo	Prunus persica (L) Batsch	July Elberta, quetta	plains mid hills	rare	Normal	Nurseries	June-July	fruit	Marketing, own use	
Strawberry	Strawberry	Fragaria x ananassa Duch	chandler	plains mid hills	rare	plenty	Nurseries	March-April	fruit	Marketing	
Karonda	gernay	Carissa carandas	local	plains/hills	rare	rare	Nurseries, wild	June-August	fruit	Marketing,own use	
Papaya	Papita	Carica papaya	local	plains	rare	Rare	Nurseries, locally raised	August- October	fruit	own use	

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

1	2	3	4	5	(6	7	8	9	10	11	12
		~		Landscape/	Local	Status	Source of			Associated	Other details	Community/ Know.
Plant Type	Local Name	Scientific Name	Variety	Habitat	Past	Present	plant/seeds	Uses (usage)	Part Used	TK	market/own use	holder
Herbs	Dudlu	Taraxacum officinale		Temperate area	Rare	Rare	Root			N.A	N.A	Generally, held by community
Herbs	Tarad	Dioscorea belophylla		Lower shiwalik	Abundant	Rare	Seed			N.A	N.A	Generally, held by community
Herbs	Jungli putna	Mentha arvensis		Lower shiwalik/ Temperate area	Abundant	Abundant	Root			N.A	N.A	Generally, held by community
Shrubs	Trimuru	Zanthoxylum aurmatum		Lower shiwalik	Rare	Rare	Seed			N.A	N.A	Generally, held by community
Shrubs	brankad	Adhatoda vesica		Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community
Shrubs	Drainkdu	Murraya koenigii		Sub-Tropical area	Rare	Rare	Seed			N.A	N.A	Generally, held by community
Shrubs	Dussa	Colebrookia oppositifolia		Lower shiwalik	Rare	Rare	Seed			N.A	N.A	Generally, held by community
Shrubs	Thor/Shuu	Euphorbia royleana		Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community
Shrubs	Bareyan	Acorus calamus		Lower shiwalik	Rare	Rare	Seed			N.A	N.A	Generally, held by community
Shrubs	Bhang	Canabis sativa		Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community

Tree	Amla	Phyllanthus emblica	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Bair	Ziziphus xylocarpa	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Bheda	Terminalia bellerica	Lower shiwalik	Rare	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Bill-Patre	Aegle mermelos	Sub-Tropical area	Abundant	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Drankh	Melia azadirach	Lower shiwalik	Abundant	Normal	Seed		N.A	N.A	Generally, held by community
Tree	Harad	Terminalia chebula	Lower shiwalik	Abundant	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Jaman	Syzygium cumini	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Kakad-Singhi	Pistacia khinjuk	Lower shiwalik	Rare	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Karal	Bauhinia variegata	Lower shiwalik	Rare	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Khair	Acacia catechu	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Kringal	Casia fistula	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Lusada	Cordia dichotoma	Lower shiwalik	Abundant	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Mangoo	Mangifera indica	Lower shiwalik	Abundant	Rare	Seed		N.A	N.A	Generally, held by community

Tree	Retha	Sapindus mukorossii	Lower shiwalik	Rare	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Rumbal	Ficus racemosa	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Trimbal	Ficus auriculata	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Tuni	Toona ciliata	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Arjun	Terminalia arjuna	Lower shiwalik	Rare	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Amla	Amblica officinales	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Neem	Azadirecta indica	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
tree	Khair	Accacia catechu	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Shrubs	Bhang	Cannabis sativa	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community

			Forma	nt 13: Ornamei	ntal Plants/ Trees	/Climbers etc	2.		
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/ Know. holder
Tree	Kringal	Casia fistula	-	Flower Fruit	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Gandera	Nerium oleander	-	Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Thub	Erythrina indica	-	Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Badah	Salix alba	-	Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Kareer	Rosa acicularis	-	Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community

Format 14:	Timber	Plants /	Trees
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1	2	3	4		5	6	7	8	9	10
Dland Tome	LandNone	Scientific Name	Habitat	Local	status	Wild/ home-	Other uses	Associated TK	Other details	Community/ Know.
Plant Type	Local Name	Scientific Name	нарцац	Past	Present	garden	(multi)	Associated 1 K	Other details	holder
Tree	Kiker	Acacia nilotica	Lower shiwalik	Rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Tree	Mangoo	Mangifera indica	Lower shiwalik	Abundant	Abundant	Wild/ home- garden	Own	Nil	Nil	Generally, held by community
Tree	Safeda	Eucalyptus spp.	Lower shiwalik	Rare	Rare	Wild	Commercial	Nil	Nil	Generally, held by community
Tree	Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Tuni	Toona ciliata	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Popular	Populus ciliata	Lower shiwalik	Rare	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Chir	Pinus roxburhii	Lower shiwalik	Rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Tree	Jammun	Syzygium cumini	Lower shiwalik	Rare	Abundant	Wild	Own	Nil	Nil	Generally, held by community

					Format 15: Don	nesticate	d Anima	ls				
1	2	3	4	5	6	,	7	8	9	10	11	12
Animal	Local	Scientific Name	Breed (local/	Features	Method of keeping		Status	Uses	Associated	Commercial	Other details including	Community
Туре	Name	Scientific (Vallic	hybrid)	reatures	Method of Recping	Past	Present	Uses	TK	rearing	products and Services	Know.Holders
	Gau	Bos indicus	ND	Low yield	stall feeding	Abundant	Decrease	Dairy	Nil	No	Milk	All
Cattle	Jersy Gau	Bos taurus	CB Jersy	Dished face	stall feeding / semi intensive	Very few	Increase	Dairy	Nil	yes	Milk	All
	Amrecan Gau	Bos taurus	CB HF	Black and white spot	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Buffalo	Manj	Bubalus bubalis	Local	Low yield	stall feeding	Abundant	Decreased	Dairy	Nil	No	Milk	All
Bullato	Punjabi Mais	Bubalus bubalis	Murrah /Graded	Black color body	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Horse	ghoda	Equus caballus	Local	Red color body	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All
	Chakore	Alectoris chukar	Local	black and white stripes ,beak is short, strong, and orange in color	Backyard	few	Decrease	Egg,meat	Nil	Yes	Egg, Meat	All
	Parrot	Psittaciformes	Local	parrot green in colour with red beak	Backyard	few	Decrease	decorative	Nil	No	Nil	All
	Pigeon	Columbidae	Local	white color , fast growing	Backyard	few	Decrease	decorative	Nil	No	nil	All
Dog	Kutta	canis familaries	Local	Nil	Pet ,Stray	Abundant	Abundant	Nil	Nil	No	Nil	All / stray

Cat	Billi	felis catus	Local	Grey /white color	Pet ,Stray	Abundant	Abundant	pet	Nil	No	Nil	All / stray
Rabbit	Khargosh	Oryctolagus cuniculus	White gaint	white	Pet ,wild	few	few	Pet	Nil	No	Nil	All / wild
Pig	Suar	sus scrofa domesticus	Yorkshir e cross	white	Wild	few	Increased	Meat	Nil	Yes	Nil	Sikh /Chrisitians/SCc ommunity
Elephant	Haathi	Loxodonta	Asian elephant	Grey in colour	Pet ,wild	few	few	religous faith	Nil	No	Nil	All

	Format 16: Culture Fisheries														
1	2	3	4	5	6	•	7	8	9	10	11	12			
Field Temp	Lacal Name	Caian 4: Ca Nama	Vi-t-	Factoria	Waterscape	Local	status	T	A	Commercial	Other details	Community			
Fish Type	Local Name	Scientific Name	Variety	Features	(Pond/Bheri/ Talao)	Past	Present	Uses	Associated TK	Rearing	Other details	Know. Holders			

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

	F	ormat 17: Markets	/ Fairs for D	Oomesticated Anima	ls, Medicinal Pla	nts and other pro	oducts	
1	2	3	4	5	6	7	8	9
Name of the Weekly Market / Fair	Location	Weekly / Fortnightly & Others Bi-annual / Annual	Day held	Month incase of bi- annual or annual market fair	Types of animal bought and sold	Number of animals (average) transacted in a day	Places from where the animals are arrived	Places to where the animals are transported

Format 18: Trees, Shrubs, Herbs, Tubers, Grasses, Climbers etc. 1 2 3 4 5 6 7 8 9 10 11 Local status Community Commercial Other Plant Type **Local Name** Scientific Name Habit Habitat Part collected Associated TK Knowledge / own use details Holder Past Present Commercial/ Northern/Sub-Shisham Dalbergia sisoo Tree Good Moderate Stem, Timber Tree Tropical own use Northern/Sub-Commercial/ Timber/ Acacia catechu Good Moderate Katha Tree Khair Tree Tropical Firewood own use Northern/Sub-Commercial/ Amla Emblica officinalis Tree Good Moderate Fruit Food processing Tree Tropical own use Northern/Sub-Commercial/ Timber/ Tree Siris Albizziz lebbeck Tree Good Moderate Tropical Firewood own use Northern/Sub-Commercial/ Timber/ Pinus roxburghii Chir Tree Good Moderate Resin Tree Tropical Firewood own use Northern/Sub-Commercial/ Timber/ Leucaena lencocephala Tree Good Moderate Tree Lecunia Tropical own use Firewood Northern/Sub-Timber/ Commercial/ Simbal Bombax cebia Tree Good Moderate Tree Tropical own use Firewood Northern/Sub-Commercial/ Timber/ Kamila Mallotus philippensis Tree Moderate Tree Good Tropical own use Firewood Timber/ Northern/Sub-Commercial/ Tree Krangal Cassia fistula Tree Good Moderate Tropical Firewood own use Northern/Sub-Commercial/ Ziziphus jujuba Tree Moderate Tree Ber Good Fruit Tropical own use Northern/Sub-Commercial/ Timber/ Plash Butea monosperma Tree Good Moderate Tree Tropical Firewood own use

Tree	Arjun	Terminalia arjuna	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Jamun	Syzygium cumini	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Santha	Dodonaea viscosa	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Amb	Mangifera indica	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	-
Tree	Kiker	Acacia nilotica	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	1	-
Tree	Sagwan	Tectona grandis	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	1	-
Tree	Safeda	Eucalyptus	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	1	-
Tree	Bel	Aegle marmelos	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Leaves/ Fruit	-	-	-
Tree	kakoa	Flacourtia indica	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	-
Grass	Bamboo	Dendrocalamus strictus	Grass	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Sticks	-	ı	-
Herbs	Bhang	Cannabis sativa	herbs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Leaves	-	ı	-
Shrub	Jojra	Pupalia lappacea	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	ı	-	ı	-
Shrub	Garna	Carissa spinarum	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	-
Shrub	Panjphuli	Lantana camara	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	-	-	1	-
Shrub	Gandila	Nerium indicum	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Flower	-	-	-

Shrub	Pansar	Wendlandia heynei	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	-	-	-	-
Herbs	congress Grass	Parthenium hysterophrous	herbs	Northern/Sub- Tropical	Good	Moderate	-	-	-	-	-
Tree	Badh	Ficus religiosa	Tree	Northern/Sub- Tropical	Good	Moderate	-		-	-	-
Tree	Phulai	Acacia modesta	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Climber	Tarad	Dioscorea belophylla	Climber	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Roots			
Climber	Jungli bitter melon	Momordica charantia	Climber	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit			
Climber	Purple yam	Diascorea alata	Climber	Northern/Sub- Tropical	Good	Moderate	_				
Climber	Striped cucumber	Diplocyclos palmatus	Climber	Northern/Sub- Tropical	Good	Moderate	_				
Tree	Kembal	Lannea coromandelica	Tree	Northern/Sub- Tropical	Good	Moderate					
Tree	Dhaman	Grewia optuva	Tree	Northern/Sub- Tropical	Good	Moderate					
Tree	Bargad	Ficus bengalensis	Tree	Northern/Sub- Tropical	Good	Moderate					

	Format 19: Wild Plant Species of Importance												
1	2	3	4	5	6								
S.No.	Local Name	Scientific Name	Variety	Importance (economic,social,cultural etc.)	Status								
1	Santha	Dodonaea viscosa	Shrub	Firewood	Good								
2	Kanner/Lal Gandila	Nerium indicum	Shrub		Good								
3	Daduni	Punica grantum	Shrub	Live Hedge fencing	Good								
4	Brenker	Adhatoda vasica	Shrub	-	Good								
5	Bhang	Cannabis sativa	Shrub	Medicinal	Good								
6	Aakh	Ipomea carnea	Shrub	Soil binder	Good								
7	pansar	Wendlandia heynei	Shrub	Firewood	Good								

Format 20: Aquatic Biodiversity

1	2	3	4	5		6	7	8	9	10
Lacelneme	Scientific name	Variate	Features	Habitat	Local	Status	Hans	Associated TK	Other details	Community knowledge
Local name	Scientific frame	Variety	reatures	паша	Past	Present	Uses	Associated 1K	Other details	holder
Snail	Gastropoda		Land snails have a strong muscular foot, they use mucus to enable them to crawl over rough surfaces and to keep their soft bodies from drying out.		Good	Good	-	-	-	
Carp	Cyprinus carpio		Dorsal fin base longh wioth 17-22 branched rays and a strong toothed spine in front, pharyngeal teeth 5:5 teeth with flattened crowns.		Good	Good	-	-	-	
Broun trout	Salmo trutta		An average length of 40-80 cm with a maximum length of 140 cm the spawning behaviour of brown trout is similar to that of the closely related atlantic salmon.		Good	Good	1	-	-	
Turtle	Testudines		Turtles spend most of their lives in water, they are adapted for aquatic life, freshwater turtles live in ponds and lakes, and they climb out of the water onto logs or rocks to bask in the warm sun		Good	Good	-	-	-	

Sago pondweed	Potamogeton pectinatus	Is a perennial ata a fast rate, it is in flower from may to september. The species is hermaphrodite (has both male and female organs) and is pollinated by wate. It is noted for attracting wildlife.	Good	Good	-	-	-	
Lotus	Nelumbo nucifera	Edible, with rhizome ,seeds, and leaves have been used as folk medicine, ayurveda and oriental medicine	Good	Good	1	-	-	
Water Spinach	Ipomoea aquaticum	It contains abudnat quantities of water, iron, vitaminC, Vitamin A and other nutrients	Good	Good	-	-	-	
Watercress	Rorippa nasturtium - aquaticum	It contains a plethora of antioxidants, which may lower your risk of heart disease and several types of cancer it's also a good source of minerals that protect your bones	Good	Good	-	-	-	

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic, social, cultural etc.)	Trends
1	Lotus	Nelumbo nucifera	-	Edible, with rhizome ,seeds, and leaves have been used as folk medicine, ayurveda and oriental medicine	-
2	Water Spinach	Ipomoea aquaticum	-	It contains abudnat quantities of water, iron, vitaminC, Vitamin A and other nutrients	-
3	Watercress	Rorippa nasturtium - aquaticum	-	It contains a plethora of antioxidants, which may lower your risk of heart disease and several types of cancer it's also a good source of minerals that protect your bones	-

Format 22: Wild Plants of Medicinal Importance 2 3 6 8 10 11 1 4 5 7 9 Local status Landscape/ c.knowledge Plant(herb, Other details **Local Name** Scientific Name Variety Associated TK Uses Part used holder shrub, tree) habitat market/own use **Past** Present Northern/Sub-Arjun Terminalia arjuna Medicinal Tree Tree Good Bark Good Tropical Northern/Sub-Emblica officinalis Medicinal Tree Amla Tree Good Good Bark/ Fruit Tropical Northern/Sub-Tree Harad Terminalia chebula Tree Good Rare Medicinal Bark/ Fruit Tropical Northern/Sub-Terminalia bellirica Tree Behra Tree Good Rare Medicinal Bark/ Fruit Tropical Northern/Sub-Pongamia pinnata Medicinal Tree Sukchain Tree Good Good Bark Tropical Northern/Sub-Syzygium cumini Tree Jamun Tree Good Good Medicinal Fruit /seeds Tropical

			For	mat 23: V	Wild relat	ives of Crop	S			
1	2	3	4	:	5	6	7	8	9	10
Local	Scientific	Associated area	Landsons / Habitat		Status	Uses	Part	Associated	Other details	Community / Know
Name	Name	Associated crop	Landscape / Habitat	Past	Present	(usage)	Used	TK	Other details	holder

	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						

	Format 25: Fumigate / Chewing Plants												
1	2	3	4	5		6	7	8	9	10	11		
Plant (herb,shrub,	Local Name	Scientific Name	Variety	Habitat	Local	status	uses	Part used	Ass.TK	Other details	Community knowledge holder		
Tree)					Past	Present					knowledge nolder		
Herb	Pudina	Mentha spp.		Homestead, agricultural land	Abudant	Abudant	Spice	Leaves	-	-	-		
Tree	curry tree	Murraya koenigli		moist forest and agricultral land	Abudant	Abudant	Spice	Leaves	-	-	-		
Herb	wild Tulsi	Ocimum sanctum		Moist soil	Abudant	Abudant	Medicinal	Leaves	-	-	1		

Format 26: Timber Plants

1	2	3		4	5	6	7	8
Local Name	Scientific Name	Habitat	Loca	al Status	Other uses, if any	Associated Tk	Any other detail	Community knowledge
Local Ivallie	Scientific (Vallie	Habitat	Past	Present	Other uses, if any	Associated 1K	Any other detail	holder
Chir	Pinus roxburghii	Northern/Sub-Tropical	Good	Rare	Commercial/ own use	Timber/ Firewood	-	-
Shisham	Dalbergia sisoo	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Ber	Ziziphus jujuba	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Sagwan	Tectona grandis	Northern/Sub-Tropical	Good	Rare	Commercial/ own use	Timber/ Firewood	-	-
Safeda	Eucalyptus	Northern/Sub-Tropical	Good	Rare	Commercial/ own use	Timber/ Firewood	-	-
Simbal	Bombax ceiba	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tunu	Cidrela toona	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Jamun	Ayzgium cimini	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-

	Format 27 A: Coastal and Marine Flora													
1	2	3	4	:	5	6	7	8	9	10				
Plant Type	Local Name	Scientific Name	Habitat	Local	Status	Parts Collected	Commercial Uses	Other Uses	Associated TK	Community/ Knowledge Holder				
Trant Type	Local Ivalic	Scientific Ivanic	Habitat	Past	Present	(if any)	(if any)	Other Oses	Associated TK	Knowledge Holder				

	Format 27 B: Coastal and Marine Fauna												
1	2	3	4		5	6	7	8	9	10			
Animal Type	Local Name	Scientific Name	Habitat	Local Status		Parts collected	Commercial Uses	Other Uses	Associated TK	Community/			
				Past	Present	(if any)	(if any)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Knowledge Holder			

Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others) 3 5 7 8 9 10 11 1 2 4 6 Local status Other Community/ Season when **Animal Type Local Name** Scientific Name Habitat Description uses if any Ass. TK Knowledge Holder details seen **Past** Present Summer/ Wild Animal Leopad Northern/ Sub-Tropical Panthera Pardus Good Good Winter Northern/ Sub-Tropical Wild Animal Squirrels Good Sciuridae Good Northern/ Sub-Tropical Wild Animal Boar Sus scofra Good GoodWild Animal Indian Hare Northern/ Sub-Tropical lepus nigricollis Good GoodNorthern/ Sub-Tropical Wild Animal Monkey Cercopithecidae Good Good Wild Bird Red jungle fowl Gallus gallus Northern/ Sub-Tropical Good GoodRose ringed Wild bird Northern/ Sub-Tropical Good Psittaculidae Good parakeet Wild Animal Vulpes Northern/ Sub-Tropical Good Fox Good

Wild Animal	Porcupine	Erethizon dorsatum	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
wild insects	Grasshooper	Parallelus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
wild insects	butterfly	Chorthippus brunneus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
wild insects	bees	Apis mellifera	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
wild insects	ants	Brachymyrmex patagonicus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
wild insects	Bumble bee	Bombus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
Amphibia	Frog	Euphlyctis cyanophlyctis	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
Reptiles	Tortoises	Testudinidae	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
Reptiles	Snake	Serpentes	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	

URBAN BIODIVERSITY								
Format 29: Flora								
1	2	3	4	5	6	7		
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)		

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.)				

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