Peoples' Biodiversity Register (PBR): General Details
Name of the Panchayat Samiti: TANDA
Taluk/Tehsil: Miran Sahib
District: Jammu
State/UT: Jammu And Kashmir
Geographical Area of the pancahayt Samiti:
Population Of the Panchayat samitiTotal 2300
Male = 1200 Female = 1100
Habitat and Topography : Plain
Climate (Rainfall, Temperature and other weather patterns):
Land Use (Nine fold classification available with village records): Agriculture
Date, Month and Year of PBR preparation: 09/02/2021

Details of Biodiversity Management Committee (BMC) of the panchayat (One elected Chairpersonand six persons nominated by the local body; not less than one third to be women and not less than 18% belonging to SC/ST)

Annexure 1

S.No.	Category	Name	Age	Gender	Adress	Area of Specialization
1	Chairperson	TILAK RAJ S/O AMAR NATH	65	Μ	TANDA	
2	Member	SEEMA DEVI W/O SURJEET KUMAR	30	F	TANDA	
3	Member	RANI DEVI W/O JAGDISH RAJ	50	F	TANDA	
4	Member	SABIR AHMED S/O MUNEER AHMED	68	М	TANDA	
5	Member	MUNEER AHMED S/O MOHD SAFFI	54	М	TANDA	
6	Member	SUDAGAR MAL S/O PURAN CHAND	57	М	TANDA	
7	Member	MOHINDER LAL S/O GIAN CHAND	42	Μ	TANDA	

Annexure-2

Block: MIRAN SAHIB

Panchayat: TANDA

List of Vaids, hakims and traditional health care (Human and livestock) practitioners residing and using biological resources occurring within the jurisdiction of the village	0
1)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:	
2) Name:	

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3)Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

Block :MIRAN SAHIB

Panchayat: TANDA

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: Sudagar Mal s/o Devi Das

Age: 57

Gender: Male

Address: Tanda

Area of specialization: Forest Guard

2) Name of the Chairperson: Nek Singh

Age: 70

Gender: Male

Address: Tanda

Area of specialization: Lambardar

3)Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4)Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

Annexure 4
Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR
1) Contact Person:
Name and Address:
2) Contact Person:
Name and Address:
3) Contact Person:
Name and Address:
4) Contact Person:
Name and Address:
You may add names of more institutions/NGO/Individuals etc, if necessary

L

		Ann	exure 5									
	Panchayat: TANDA											
Detail of	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.NoName and address of the Person/Institute/company othersLocal and Scientific Name of the biological material Accessed and quantityDate and resolution of the BMC and endorsement by the PanchayatDetail of collection fee imposedAnticipated mo- benefits or quant share												
	Ruby Rice Mill	Rice										
	Zamindara Mill	Wheat										

							Part	II						
								DERVISITY						
				1		F	ormat 1 C	rop Plants			1			
						Local	status						Source of	Commununity / Known. Holder
S.No	Сгор	Scientfic Name	Local Name	Description of the variety	Landscape / Habitat	Past	Present	Special features	Uses	Associated TK	Other details	Cropping Season	Seeds / Plants	
	D.	Di O i	Dhan/	B-370(Fine & Long duration) Basmati	Planes / Low	Abundant	Abundant	Basmati 370 is world wise known for its aroma	Food &	Provides energy	_	Kharif (May	Farmers / Department/ Privaate Suppliers	Farmers
	Rice	Oryza sativa	Munji	1121/(Coarse K39 K434 Rattana & Long duration	laying Areas	Abundant	Abundant	Medium tall Coarse Grains	Fodder	fragrance and taste		to October)		
2	Wheat	Triticum aestivum	Kanak	HD2967,PBW6 44	Cool Climate during early part of its growth	Plenty	Plenty	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/Brea d making	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
3	Onion	Allium cepa	Gamd	nasik Red. Red Coral, Monsanto And Local Spp.	local Planee areas	Normal	Normal	Bulbs Cash Crop	Vegetables	Vegetable	Staple Vegetable food	Rabi	Farmers / Department/ Privaate Suppliers	

4	Mustard	Brassica juncea/ Brassica comprestris	Sarson	Pusa Bold/ KOS -1	Cool & dry	Normal	Rare	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
5	Gobhi Sarson	Brassica napus	Gobhi Saria	GSL-1,DGS-1 ,Local	Cool & dry	Normal	Rare	Annual Herb,yellow flowers bearing Pods	oil for Food,leaves used as vegetable	Source of energy i,calciam,cop per,potassiu m	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
6	Potato	Solamum tuberosum	Aalo	Kufri Sindhuri,Kufri Badsha, local	Potato is an herbaceous annual,requirs cool weather,mostly 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,c hips etc	-	High carbohydrate, provide high n energy value	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
7	Chilli	Capsicum spp	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropicall vegetable,grow s well warm humid conditions	Abundant	Normal	Pungency and flavor	Used as spice ,medi cianal value	-	Contains good ammount of vitamin A&C	winter season	Farmers / Department/ Privaate Suppliers	Farmers
8	Tomato	Solanum lycopersicum	Tamater	Pusa rubi,Pusa early dwarf, Manisha Plus/local	Warm season crop	Normal	Normal	Stems are woody and weak, and tend to vine over other types of plants.	Used as vegetable ,s alad, 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

9	Okra	Abelmoschus esculentus	Bindi	Varsha uphar, Arka Anamika	Tropica/sub tropicall vegetablHot and humid climate	Normal	Normal	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dieta fibers, protein and carbohydrates ry	Summer/ Kharif	Farmers / Department/ Privaate Suppliers	Farmers
10	Cucumber	Cucumis sativus	Kheera	Kheera local,JL	Grows in all climatoic conditions,Tro pical,Sub tropical &temprate	Normal	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
11	Bottle gourd	Lagenaria siceraria	Lokki	PSPL/Punjab Long	Summer &rainy season crop	Normal	Normal	Vines vigrous, profusly branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/ kharif	Farmers / Department/ Privaate Suppliers	Farmers
12	Bitter gourd	Momordica charantia	karela	Pusa Domausmi/Kun dan	Warm and Humid climate	Normal	Normal	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maitaining low suger level	Summer/ kharif	Farmers / Department/ Privaate Suppliers	Farmers
13	Beans	Phaseolus Spp.	Phaliya	Contender	Cool weather crop/Sandy/loa my soil	Normal	Normal	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High vale protein,Vitami neB1,B2 <b6 and Maganese</b6 	Summer season	Farmers / Department/ Privaate Suppliers	Farmers

14	Cauliflower	Brassica oleracae var.botrytis	Fol gobi	Pusa snow ball,Pusa Katki,Iocal Girja	Both sub tropical &intermediate	Normal	Normal	White and tender head ,curdforme d from shortened flower part	Curd Mainly used as vegetable	-	Also good sourse of protein,carboh ydrate,phasph orus& iron		Farmers / Department/ Privaate Suppliers	Farmers
15	Cabbage	Brassica oleracae var.capitata	Band gobi	Golden Acre,Pride of India,Green Flesh	Both sub tropical &intermediate	Normal	Normal	Round head withlight to dark green colour	Head Mainly used as vegetable,s alad	-	Also good sourse of protein,carboh ydrate,phasph orus& iron	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
16	Knol khol	Brassica oleracae var.gongyloid es	Kadam	White vienna,Purple vienna	cool &moist climate/sub tropical	Normal	Normal	Swollen stem ,grren/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	-	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
17	Spanich	Spinacea oleracea	Palak	All Green,Delta	Cool season Crop, thrives well on well drained loam soils	Normal	Normal	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
18	Radish	Raphanus sativus	Mulli	Japanes White ,Koren Etc	Cool season Crop, thrives well on well drained Sandy loam soils	Normal	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

19	Carrot	Daucus carota	Gajer	Pusa Kesar,local	Cool &moist climate/ sub tropical& intermedite	Normal	Normal	Modified Root is eatable	Root is used as Vegetable, Salad, Juice, Sweet Dish, Preserve etc.		Good source of carotene, , lutein, and zeaxanthin.Vit A,C,B6,Folic acid	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
20	Turnip	Brassica rapa	Gunglu /Shalgam	PTWG/Local	Cool &moist climate/sub tropical&inter medite	Normal	Normal	Modified Root is eatable	Root is used as Vegetable , Salad,.	-	Good source of Vit.C,Diatry Fiber &Potasium	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 market /	Community /		
Flant	Scientific Name	Local Name	v anety	Habitat	Past	Present	Seeds/Plants	Fruiting	ТК	Uses	own use	Knowledge holder		
Mango	Mangifera indica	Aam												
Citrus Fruit	Citrus spp.	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.												
Litchi	Litchi chinensis	Litchi												
Guava	Psidium guajava	Amrood												
Grapes	Vitis vinifera	Anjoor												
Banana	Musa acuminata	Kela												
Sapota	Manilkara zapota	Chiku												
Nisperos	Manilkara huberi	Loquat												

	Format-3: Fodder Crop/ Species													
1	2	3	4	5		6	7	7	8	9	10	11	12	
S. No.	Plant	Scientific	Local Name	Habit	Area (Approx.)Rabi/	Landscape/	Local	Status	- Part Used	Associated	Other details	Sources of Seeds		
5. 110.	riant	Name	Local Maine	пари	(Approx.)Kabi/ Kharif	Habitat	Past	Present	rari Useu	ТК	(mode of use)	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 Suppliers	Farmers	
2	Sorghum	Sorghum spp.	cherri	Annual	6840	Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Fodder	Farmers / Department/ Privaate Suppliers	Farmers	
3	Javi	Trifolium alexandrinum	Berseem											

	Format 04 :Weeds													
1	2	3	4	5	6	7	8	3	9	10	11	12		
S. No.	Plant	Scientific Name	Local Name	Affected Crop	Habit	Landscape/	Local	Status	Uses if any	Management	Associated TK	Other		
5. NO.	Flant	Scientific Ivame	Local Name	Affected Crop	пари	Habitat	Past	Present	Uses II any	options	Associated TK	details		
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		
3	Nut Grass	Cyprus rotundus	Dilla/Motha	Paddy,maize, sugarcane, vegetable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine		
4	Barnyard Grass	Echinochloa crusgalli	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil		
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			
6	Bur Clover	Medicago denticulata	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder, vegetable & green manure	Mechanical, Chemical	Nil	Improves Soil fertility		

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
8	Meadow Pea	Lathyrus aphaca	Matri	Wheat Grass Peas, mustard	Annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land
9	Canada Thistle	Cirsuim arvense	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land
10	Bang	Cannabis indica	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land
11	Nilibuti	Ageratum conyzoides	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand
12	Dub Grass	Cynodon dactylon	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. & wasteLand
13	Wild oats	Avena fatua	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals
14	Wild Rice	Echinochloa colonum	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals

13
Community Kowledge Holders
Farmers

Farmers
Farmers

	Format-5: Pests of Crops											
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			
Wheat			Yellow Rust									
Sarson			Taila									
Fruits / Sarson			Tridi / Tiddi									
Vegetables			Sundi									

	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					

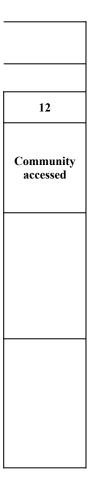
Note: [1] (D) – day; (M) – month; [2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

	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		
Hindu,Sikh, Muslim (Total Population 1660)	Government Services, private services,Agricultur e,Live stock etc	Labours	Plain	Paddy (June to ending July),),Wheat (Oct to Nov),Mustard (Sep/Oct)		Concrete Channel	General cast/Schedule d Cast	Average	Farmers, Labourers	336		

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														
	Panchyat Name : TANDA														
	1		2	3	4	5	6	7	8	9	10	11			
Major Landscapes				Fostures and											
Agricultural Pond Fallow Land			Sub - Landscapes	Features and approx. Area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details			
	Plains		Plains	Flat sweeping landmass with small change in elevation	Private ,state lands,	Broad leaved mainly Tali, Beri,Jamun, Amb,Kikar, Bohr,Drenk, Dhub Grass	Domestic animals	Public,as well as pvt,and Govt also		Asthetic and Scenic beauty in Urban areas					

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



	Format 9: Waterscape													
	Panchyat Name : TANDA													
1	2	3	4	5	6	7	8	9	10	11	12			
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			
Ponds			Forest land and Private land	Kamal,Baryan,	Frogs , fishes, Jal Murgi , Murgai	Cattles, washing cloths, irrigation, Drinking etc	Public		3 ponds but not clean to use					
Tube well			Forest land and Private land			Cattles, washing cloths, irrigation, Drinking etc	Public							
Canals			Private/Govt.		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc								
Hand pumps			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public							

Medicinal



	Format 10: Soil type													
	Panchyat Name :TANDA													
S.No.	Soil	Туре	Colour	Features	Soil management	Plants/Crop Suitable	Flora and Fauna	Associated TK	Other Information					
1	Sandy Loam	Туре В	Soft Dark	Large particle size,Water drains Rapedily	Add compost,humus, Green Manuring, Decomposed manure etc improves soil quality for better plant growth	Beans, Tomato, Potato, Cucumber, onion, eggplants, carrot, Spinach etc.	Succulants like cacti, Lambs ear, etc.	-	Genrally not suitable for plants which need lot of water					
2	Clay Loam	Туре А	Light yellow to raddish colour	Small particles size,Texture dense and compact, retains water and nutrition	Provide good drainage, add organic manure in the form of compost or humus	Plants/Crop Suitable	Ornamental Plants/ grasses, plants with evergreen leaves,colourful Berries	-	Soil is good for wild varieties of crops, however drainage is a problem					

	Format 11: Fruit tree													
1	2	3	4	5	6		7		9	10	11	12	13	
Dista	S	T I.N		H.1.4	Landscape /	Local	Status	Source of	Seasons of	Uses	Associated TK	Others Details Market / Own Use	Community / Know Holder	
Plants	Scientific Name	Local Name	Variety	Habit	Habitat	Past	Present	Plants / Seeds	Fruiting	(Usages)				
Mango	Mangifera indica	Aam	Desi, Dusheri, Malta	Alternate Bearing	Plains	Plenty		Nurseries	Jun-Aug	Fruit, Pickle, Preserves		Marketing, Own Use		
Citrus Fruit	Citrus spp.	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	Local Selection, Kagzi Lime etc.	Tree, Regular Bearing	Plains, mid hills	Plenty	Plenty	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc		Marketing, Own Use		
Guava	Psidium guajava	Amrood	Local, L49 etc.	Medicinal	Plains, Lower Hills	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing, Own Use		
Grapes	Vitis vinifera	Angoor	Local Dakh, Perlette	Vine, Regular Bearing	Plains, Mid Hills	Rare	Plenty	Nurseries	Jul - Aug	Fruit				
Jamun	Syzygium cumini	Jamun	Local Selection	Tree, Regular Bearing	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use		

Papaya	Carica papaya	Papita	Local	Tree	Plains	Rare	Plenty	Nurseries, Localy Raised	Aug - Oct	Fruit		Own Use		
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	Format 12: Medicinal Plants (Herbs, Shrubs, Trees etc.)													
1	2	3	4	5	6	7	7		9	10	11	12		
	T		¥7	Landscape/	Source of	Local	status			Associated	Other details	Community/		
Plant Type	Local Name	Scientific Name	Variety	Habitat	plant/seeds	Past	Present	Uses (usage)	Part used	ТК	market/own	Know.		
Herbs	Jungli putna	Mentha arvensis		Lower shiwalik/Temp erate area	Stem/Seed	Abundant	Abundant	Medicinal	Leaves	N.A	N.A	Generally, held by community		
Shrubs	Brankad	Adhatoda vasica		Lower shiwalik	Seed	Abundant	Abundant	Medicinal	Roots & Flower	N.A	N.A	Generally, held by community		
Shrubs	Drainkad	Murraya koenigii		Sub-Tropical area	Seed	Rare		Medicinal & spice	Fruit	N.A	N.A	Generally, held by community		
Shrubs	Bareyan	Acorus calamus		Lower shiwalik	Seed	Rare	Rare	Medicinal	Leaves	N.A	N.A	Generally, held by community		
Herbs	Bhang	Canabis sativa		Medicinal	Seed	Abundant	Abundant	Medicinal	Leaves	N.A	N.A	Generally, held by community		
Tree	Bair	Ziziphus marutiania		Lower shiwalik	Seed	Rare	Rare	Medicinal	Stem	N.A	N.A	Generally, held by community		

Tree	Bahera	Terminalia bellerica	Lower shiwalik	Seed	Rare	Abundant	Medicinal	Fruit	N.A	N.A	Generally, held by community
Tree	Draink	Melia azadirach	Lower shiwalik	Seed	Abundant	Abundant	Medicinal	Leaves	N.A	N.A	Generally, held by community
Tree	Jamun	Syzygium cumini	Lower shiwalik	Seed	Abundant	Abundant	Medicinal	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Khair	Acacia catechu	Lower shiwalik	Seed	Abundant	Abundant	Medicinal	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Mango	Mangifera indica	Lower shiwalik	Seed	Abundant	Abundant	Fruits	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Rumbal	Ficus racemosa	Lower shiwalik	Seed	Rare	Rare	Medicinal	Leaves	N.A	N.A	Generally, held by community
Tree	Siris	Albizia lebbeck	Lower shiwalik	Seed	Abundant	Abundant	Firewood	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Tali	Dalbergia sissoo	Lower shiwalik	Seed	Abundant	Abundant	Timber & fodder	Stem	N.A	N.A	Generally, held by community

Tree	Lasuda						

	Format 13: Ornamental Plants/ Trees/Climbers etc.														
1	2	3	4	5	6	6 7		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	Peepal	Ficus religiosa			Non-Commercial	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						

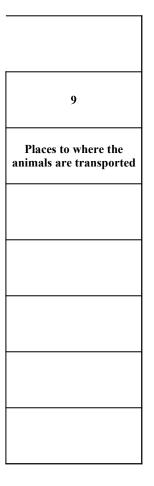
Medicinal

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

	Format 15: Domesticated Animals												
2	3	4	5	6		7		9	10	11	12		
Tarah	S	Breed (local/	E. A. M.	Method of	Local	Status	T		Commercial	Other details including	Community		
Local Name	Scientific Name	hybrid)	Features	keeping	Past	Present	Uses	Associated TK	rearing	products and Services	Know.Holders		
Cow	Bos indicus									Milk			
Buffalo	Bubalus bubalis									Milk			
Horse	Equus caballus									Pack/ Cart			
Goat	Canis familaries									Nil			
Cat	Felis catus									Nil			
Dog	Canis lupus familiaris												

	Format 16: Culture Fisheries												
1	2	3	4	5	6		7		9	10	11	12	
					Waterscape	Local status			Associated	Commercial		Community	
Fish Type	Local Name	Scientific Name	Variety	Features	(Pond/Bheri/T alao)	Past	Present	Uses	TK	Rearing	Other details	Knowledge. Holders	
	Dolla												
	Kingad												
	Soh												
	Groch												
	Ticher												
	Note: Other details include mode of catching fish, time of availability, breeding time, feeds and etc												

	Format 17: Markets / Fairs for Domesticated Animals, Medicinal Plants and other products												
1	2	3	4	5	6	7	8						
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						



				V	VILD BIO	DIVERSI	ГҮ			
			FORM	IAT 18: Trees,	Shrubs,He	rbs,Tuber	s,Grasses,C	limbers etc		
1	2	3	4	5	(j	7	8	9	10
					Local	status	Commercial/			
Plant Type	Local Name	Scientific Name	Habit	Habitat	Past	Present	own use	Part collected	Associated TK	Other details
Tree	Tali	Dalbergia sissoo	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Stem, Timber	-	-
Tree	Khair	Acacia catechu	Tree	Farmlands & Urban areas	Good	Moderate		Timber/ Firewood	Katha	-
Tree	Krangal	Cassia fistula	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tree	Ber	Ziziphus jujuba	Tree	Farmlands & Urban areas	Good	Moderate	Commercial /own use	Fruit	-	-
Tree	Arjun	Terminalia arjuna	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tree	Jamun	Syzygium cumini	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tree	Amb	Mangifera indica	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Fruit	-	-

1	2	3	4	5	6		7	8	9	10
					Local	status	Commercial/			
Plant Type	Local Name	Scientific Name	Habit	Habitat	Past	Present	own use	Part collected	Associated TK	Other details
Tree	Kiker	Acacia nilotica	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tree	Safeda	Eucalyptus spp.	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tree	Neem	Azadirachta indica	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Grass	Doob grass	Cynadon dactylon	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Shurb	Dhatura	Datura stramonium	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	
Shurb	Arnid	Ricinus communis	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Shurb	Bana	Vitex negundo	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tree	Bel	Aegle marmelos	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-

1	2	3	4	5	6		7	8	9	10
		Scientific Name	Habit	Habitat	Local status		Commercial/			
Plant Type	Local Name				Past	Present	own use	Part collected	Associated TK	Other details
Shurb	Daduni	Punica granatum	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tree	Fagora	Ficus palmata	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Shurb	Panjphulli	Lantana camara	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	_	-
Grass	Nad	Arundo donax	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	_	-
Herb	Congress grass	Parthenium hysterophorus	Herb	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Herb	Chaleri saag	Amaranthus viridis	Herb		Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-

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		Format 19: Wild F	Plant Species of Impor	tance	
1	2	3	4	5	6
SI.No	Local Name	Scientifice Name	Variety	Importance(as economic,social,cultural etc.)	Status
1	Lal Gandila	Nerium indicum	Shrub	Aesthetic	Good
2	Daduni	Punica grantum	Shrub	Live Hedge fencing	Good
3	Brenkar	Adhatoda vasica	Shrub	Medicinal	Good
4	Aak	Calotropis gigantea	Shrub	Medicinal	Good
5	Arnid	Ricinus communis	Shrub	Medicinal	Good
6	Bana	Vitex negundo	Shrub	Medicinal	Good
7	Bhang	Cannabis sativa	Shrub	Live Hedge fencing	Good
9	Jojra	Pupalia lappacea	Shrub		Good

	Format 20: Aquatic Biodiversity											
1	2	3	4	5	6		7	8	9	10		
Local Name Scie	~				Local	status		Associated TK		Community/		
	Scientific Name	Variety	Features	Habitat	Past	Present	Uses		Other details	Knowledge Holders		
Sol	Channa marulius	Local	Snakehead fish, Air Breathing Fish	Fresh Water	Available	Available		Used as food as source of protein	-	40%		
Rohu	Labeo rohita	Indian Major Carp	Large Silver coloured fish, arched head		Available	Available	Own & Commercial use	Used as food as source of protein	-	40%		

		Format 21: Wild Aqua	tic Plant Species of I	Importance	
1	2	3	4	5	6
SI.No	Local Name	Scientifice Name	Variety	Importance	Trends
2	Kumudene	Nymphoides indica			

			Fo	ormat 22: Wild Plants	of Medicinal	Importance				
1	2	3	4	5	6	j	7	8	9	10
Plant	L	0	X 7	T	Local S	Status		De de se l	Other details	Community /
(Herb,Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape/Habitat	Past	Present	Uses (usage)	Part used	market/own use	Knowledge Holder
Tree	Amla	Emblica officinalis		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-
Tree	Krangal	Cassia fistula		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Pod	-
Tree	Jamun	Syzygium cumini		Alluvial plain/Farm lands	Good	Good		Medicinal	Fruit	-
Tree	Ber	Ziziphus jujuba		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-
Tree	Kikar	Acacia nilotica		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Bark & Pods	-
Tree	Dhrenk	Melia azadirach		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Seeds & Leaves	-
Tree	Neem	Azadirachata indica		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-
Grass	Doob grass	Cynadon dactylon		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-
Shurb	Dhatura	Datura stramonium		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-
Shurb	Arnid	Ricinus communis		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Oil	-
Shurb	Bana	Vitex negundo			Good	Good	-	Medicinal	Leaves	-

	Format 23: Wild relatives of Crops											
1	2	3	4	5		6	7	8	9	10		
Local	Scientific	cientific Associated crop	Landscape /	Local	Status	Uses	Part Used	Associated	Other details	Community / Know holder		
Name	Name		Habitat	Past	Present	(usage)		ТК	Other details			
Kansu		Rice										
Siti		Wheat										

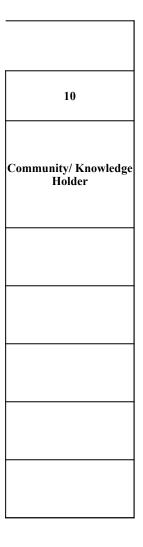
	Format 24: Ornamental Plants								
1	2	3	4	5	6	7	8		
Local Name	Scientific Name	Variety	Habitat	Commercial/Non- Commercial Uses	Associated TK	Any other Detail	Community/Knowledge Holder		
Lal Gandila	Nerium oleander	Shrub	Farm land	-	-	-	-		
Kaneer	Thevetia peruviana	Tree	Farm land	-	-	-	-		
Bougainvillea	Bougainvillea glabra	Shrub	Farm land	-	-	-	-		
Gulmohar	Delonix regia	Tree	Farm land	-	-	-			
Krangal	Cassia fistula	Tree	Farm land	-	-	-	-		
Karal	Bahunia purpurea	Tree	Farm land		-	-	-		
Guta	Tegetas erecta								

	Format 25:Fumigate/Chewing Plants										
1	2	3	4	5	6	6		8	9	10	11
Plant					Local S	Status	- Uses	Uses (Usage) Part used		Other K details(mode of use)	Community /Knowledge holder
(Herb,Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Past	Present	(Usage)		Associated TK		
Herb	Pudina	Mentha spp.		Homestead, agricultural land	Abudant	Abudant	Spice	Leaves			
Tree	Curry tree	Murraya koenigii		Moist forest and agricultral land	Abudant	Abudant	Spice	Leaves			
Herb	Wild Tulsi	Ocimum sanctum		Moist soil	Abudant	Abudant		Leaves			
Tree	Neem	Azadira indica									

	Format26: Timber Plants									
1	2	3	4		5	6	7	8		
			Local Status					Community /Knowledge		
Local Name	Scientific Name	Habitat	Past	Present	Other Uses ,if any	Associated TK	Other Details	holder		
Shisham	Dalbergia sissoo	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-		
Ber	Ziziphus jujuba	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-		
Safeda	Eucalyptus spp.	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood		-		
Jamun	Syzygium cumini	Northern/Sub- Tropical	Good		Commercial/ own use	Timber/ Firewood	-	-		

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

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



		Form	at 28: Wild	Animal (Ma	mmals,Birds	,Reptiles,A	Amphibia,	Insects,others	s)			
1	2	3	4	5	6	7	7		9	10		
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local	Local status		cal status Uses ,if any		Associated TK	Other Details
Wild Animal	Squirrels	Sciuridae	Farmland	_		Past	Present	_	_	-		
who Ammai	Squireis	Sciuriade	Farmand	_		Good	Good	_	-			
Wild Animal	Rose ringed parakeet	Psittaculidae spp.	Farmland	-	-	Good	Good	-	-	-		
Wild Animal	Mongoose	Herpestes spp.	Farmland	-	-	Good	Good	-	-	-		
Wild Animal	Sparow	Passer domesticus	Farmland	-	-	Good	Good	-	-	-		
Wild Animal	Crow	Corvus splendens	Farmland	-	-	Good	Good	-	-	-		
Wild Animal	Pigeon	Columba livia	Farmland	-	-	Good	Good	-	-	-		
Wild Animal	Bee	Apis cerana indica	Farmland	-	-	Good	Good	-	-	-		
Wild Animal	Butterfly	Rhopalocera spp.	Farmland	-	-	Good	Good	-	-	-		
Wild Animal	Frog	Anura spp.	Farmland			Good	Good	-	-	-		
Wild Animal	Titar	Ortygornis pondicerianus										

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	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.)				
1	kikar	Acacia nilotica	Broad leave	Sub tropical	Summer	Common				
2	Mangoo	Mangifera indica	Broad leave	Sub tropical	Summer	Common				
3	Safeda	Eucalyptus spp.	Broad leave	Sub tropical	Summer	Common				
4	Sree	Albizia lebbeck	Broad leave	Sub tropical	Summer	Common				
5	Talli	Dalbergia sissoo	Broad leave	Sub tropical	Summer	Common				
7	Popular	Populus ciliata	Broad leave	Sub tropical	Summer	Common				
9	Jammun	Syzygium cumini	Broad leave		Summer	Common				

		Forn	nat 30: Fauna		
1	2	3	4	5	6
S.No	Local Name	Scintific Name	Type of Animals (Mammals /Birds/Fish/Insects etc.)	Habitat	Remarks(Rare/common etc.
1	Cow	Bas taurus	Mammals	Terrestrial	Common
2	Buffalow	Babalus bubalis	Mammals	Terrestrial	Common
3	Sheep	Ovis aries	Mammals	Terrestrial	Common
4	Goat	Capra aegagrus	Mammals	Terrestrial	Common
5	Sparow	Passer domesticus	Birds	Terrestrial	Common
6	Crow	Corvius splendens	Birds	Terrestrial	Common
7	Parrot	Psittaciformes spp.	Birds	Terrestrial	Common
8	Peacock	Pavo cristatus	Birds	Terrestrial	Rare
9	Ant	Tapioma sessile	insects	Terrestrial	Common
10	Вее	Apis crana indica	insects	Terrestrial	Common

11	Butterfly	Rhopalocera spp.	insects	Terrestrial	Common
12	Mosquto	Culicidae spp.	insects	Terrestrial	Common
13	Caterpillar	Lepidoptera spp.	Insects	Aquatic	Common
14	Fish		Aquatic Animals	Aquatic	Common
15	Frog	Anura spp.	Aquatic Animals	Aquatic	Common
16	Torotise	Testudinidae spp.	Aquatic Animals	Aquatic	Rare

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