Peoples' Biodiversity Register (PBR): General Details
Name of the Panchayat Samiti: Bhalwal Lower
Taluk/Tehsil: Bhalwal
District: Jammu
State/UT: Jammu And Kashmir
Geographical Area of the pancahayt Samiti: 950 Hactares
Population Of the Panchayat samitiTotal 18000
Male= 9700 Female = 8300
Habitat and Topography: Kandi and Plains
Climate (Rainfall, Temperature and other weather patterns): Humid, Sub -Tropical Climate
Land Use (Nine fold classification available with village records): Agriculture
Date, Month and Year of PBR preparation: 31/10/2019
Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM) 576 Ha Area Protected by Forest

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: Pallvi Varma	
Age: 37	
Gender: Female	
Address: Mishriwala	
Area of specialization:	
2) Name: Rimpy	
Age: 33	
Gender: Female	
Address: Mishrwala	
Area of specialization:	
3) Name: Renu Bala	
Age: 25	
Gender: Female	
Address: Mishrwala	
Area of specialization:	
4) Name: Ankit Sharma	
Age: 24	
Gender: Male	
Address: Mishriwala	
Area of specialization:	
5) Name: Rattan Singh	
Age: 90	
Gender: Male	
Address: Mishriwala	
Area of specialization:	
6) Name: Sushil Sharma	
Age: 35	
Gender: Male	
Address: Mishriwala	
Area of specialization:	
7) Name:	
Age	
Gender:	
Address:	
Area of specialization:	

List of Vaids, hakims and traditional health care (human and livestock) practitioners residing and orusing biological resources occurring within the jurisdiction of the village

1) Name: Phangu Ram

Age: 70

Gender: Male

Address: Pakhiyan

Area of Specialization: Orthopaedic

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:

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

1) Name:
Age:
Gender:
Address:
Area of specialization:
2) Name:
Age:
Gender:
Address:
Area of specialization:
3) Name:
Age:
Gender:
Address:
Area of specialization:
4) Name:
Age:
Gender:
Address:
Area of specialization:

Details of schools, colleges, departments, universities, government institutions, nongovernmental biodiversity in agriculture, fisheries, and forestry

1) Contact Person :

Name and Address: Rohit Varma Mishriwala

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.

Details of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefits derived and the mode of their sharing

1	2	3	4	5	6
S No	Name and address of the person/ institution/ company/ others	Local and Scientific Name of the biological material accessed and quantity	Date and resolution of the BMC and endorsement by the panchayat	Details of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared
	Nil	Nil	Nil	Nil	Nil

Part	II	PBR - F AGRO	ormats BIODER	VISITY				Format 1 C	rop Plant	ts				
1	2	3	4	5	6		7	8	9	10	11	12	13	14
S.No	Crop	Scientfic	Local	Description of the	Landscape /		status	Special features	Uses	Associated	Other	Cropping	Source of Seeds /	Communit v / Known.
5.110	Сгор	Name	Name	variety	Habitat	Past	Present	Special leatures	Uses	ТК	details	Season	Plants	Holder
				B-370(Fine & Long duration)	Planes /	Normal	Normal	Basmati 370 is world wise known for its aroma	- 10	Provides		Kharif	Farmers /	
1	Rice	Oryza sativa	Dhan/ Munji	Basmati 1121/(Coarse K39 K434 Rattana & Long duration	Low laying Areas	Normal	Normal	Medium tall Coarse Grains	Food & Fodder	energy fragrance and taste	-	(May to October)	Department / Privaate Suppliers	Farmers
				Dekalb double		Rare	Plenty	Tall, high yielding with yellow in colour)						
2	Maize	Zea mays	Maka	K-517 Ujala K-612	Sub tropical / Upland	Plenty Normal Plenty	Rare Plenty Normal	Average tall with yellow in colour	Food & Fodder	Provides energy	-	Kharif (May to October)	Farmers / Department / Privaate Suppliers	Farmers
				Pro Agro-4794		Plenty	Normal	Tall, high yielding with yellow in colour)						
				PDM-54	Hot / Humid	Normal	Rare	Medium			Also		Farmers /	
3	Moong	Vigna radiata	Moong	SML-668	of Sub tropical	Normal	Plenty	High yielding Variety	Food	Source of Vegetable	suitable for	Summer/ Kharif	Department / Privaate	Farmers
	-		-	IPM-0203	region	Normal	Rare	Excessive vegetative growth		Protein	green Manuring	Kiidi ii	Suppliers	
4	Mash	Vigna mungo	Mhaa	PU-19	Warm / Humid of	Normal	Normal	High yielding Variety	Food	Source of Vegetable	_	Summer/	Farmers / Department	Farmers
+	1914511	, igna mungo	Iviilaa	Utra	Sub tropical region	Normal	Normal		1.000	Protein	-	Kharif	/ Privaate Suppliers	

5	Bajra	Pennisetum	Bajra	Local Variety	Warm / Humid climate	Normal	Normal	Tall & low Yielding	Food &	Source of	_	Kharif (May to	Farmers / Department	Farmers
	Dajia	americanum	Dajia	MHB-110	under Sandy loam Soil	Normal	Normal	variety	Fodder	Energy	_	October)	/ Privaate Suppliers	
6	Wheat	Triticum aestivum	Kanak	HD2967,PBW644	Cool Climate during early part of its growth	Plenty	Plenty	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/B read 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/En ergy	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	Abundant	Bulbs Cash Crop	Vegetab gles	Vegetable	Staple Vegetable food	Rabi	Farmers / Department / Privaate Suppliers	
11	Mustard	Brassica juncea/ Brassica compestris	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	oil for Food,leaves used as vegetable	Source of energy i,calciam,c opper,potas sium	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department / Privaate Suppliers	Farmers
13	Linseed	Linum usitatissimum	Alsi	LC 54	Cool & dry	Normal	Normal	Medium duration	Food & fiber	Source of energy in the shape of Oil	Medicinal,i ndustrial & domestic use	Rabi	Farmers / Department / Privaate Suppliers	Farmers
14	Potato	Solamum tuberosum	Aalo	Kufri Sindhuri,Kufri Badsha, local	Potato is an herbaceous annual,requi rs cool weather,mos tly rainfed conditions	Abundant	Abundant	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 carbohydrat e,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, copper, 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	Sugar cane Juice used as prefered drink for instant source of energy during summer besides beating heat	Spring season	Farmers / Department / Privaate Suppliers	Farmers
18	Chilli	Capsicum spp	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropicall vegetable,gr ows well warm humid conditions	Abundant	Abundant	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	Abundant	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 are 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	Abundant	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dieta fibers,prote in and carbohydrat esry	Summer/ Kharif	Farmers / Department / Privaate Suppliers	Farmers

21	Cucumber	Cucumis sativus	Kheera	Kheera local,JL	Grows in all climatoic conditions,T ropical,Sub tropical &temprate	Abundant	Abundant	Limbing annual bearing elongated thick cylendrical fruit	Mainly used as salad	-	It also used asantipyreti c 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/Kundan	Warm and Humid climate	Abundant	Abundant	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<br="">Maganese</b6>	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 &intermedia te	Abundant	Abundant	White and tender head ,curdformed from shortened flower part	Mainly used	-	Also good sourse of protein,carb ohydrate,ph asphorus& 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 &intermedia te	Abundant	Abundant	Round head withlight to dark green colour	Head Mainly used as vegetable, salad	-	Also good sourse of protein,carb ohydrate,ph asphorus& iron	Rabi	Farmers / Department / Privaate Suppliers	Farmers
27	Knol khol	Brassica oleracae var.gongyloid es	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	Spanich	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	Abundant	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	Abundant	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,Fol ic acid	Rabi	Farmers / Department / Privaate Suppliers	Farmers

31	Turnip	Brassica rapa	Gunglu /Shalgam	PTWG/Local	Cool &moist climate/sub tropical∫ ermedite		Abundant	Modified Root is eatable	Root is used as Vegetable , Salad,.	-	Good source of Vit.C,Diatr y Fiber &Potasium	Rabi	Farmers / Department / Privaate Suppliers	Farmers
32	Exocitic Vegetables	Brocolli// Chinese Cabbage / Capsicum etc.		Prevelent Hybrid varieties	Cool &moist climate/sub tropical∫ ermedite	Rare		All Plants Carts and Fruits are eadable Ric Source of antioxidents	Salad and Vegetable		Ric Source of Multivitimi ns, Minierals and Antioxident s	Rabi	Farmers / Department / Privaate Suppliers	Farmers

	Format 2: Fruit Plants														
1	2	3	4	5	5 6 7 8 9 10 11 12										
Plant	Plant Scientific Loc		Variety	Landscape /	Local Status		Source of	Season of	Associated	Uses	Other details market /	Community / Knowledge			
	Name	Local Name	variety	Habitat	Past	Present	Seeds/Plants	Fruiting	ТК	Uses	own use	holder			
nil	nil	nil	nil	nil	n	iil	nil	nil	nil	nil	nil	nil			

						Format	03 Fodde	er Crop/ S	pecies				
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 TK	Other details(mode	Sources of Seeds and	Community
		Name			Rabi/ Kharif	Habitat	Past	Present			of use)	Plants	Kn. Holders
1	Barseem	Trifolium alexandrium	Chhatala	Annual		Sub Humid & moderately cool	Abundant	Abundant	Entire Plant	Nutritious & palatable fodder, Source of energy for animals	Fodder	Farmers / Department/	Farmers
2	Oats	Avena spp.	Javi	Annual		Cool & moist climate	Abundant	Abundant	Above ground part of plant	Nutritious & palatable fodder,	Fodder	Privaate Suppliers	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 <i>mays</i>	Makki	Annual		Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Food & fodder	Privaate Suppliers	Farmers
5	Bajra	Pennisetium americanum	Bajra	Annual		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

	Format 04 Weeds														
1	2	3	4	5	6	7	5	3	9	10	11	12	13		
							Local	Status							
S. No.	Plant	Scientific Name	Local Name	Affected Crop	Habit	Landscape/ Habitat	Past	Present	Uses if any	Management options	Associated TK	Other details	Community 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	Chenopodiu m 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, sugarcane, 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 hysterophoru s	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
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	Cannabisindi ca	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

	Format 05 Pests of Crops														
1	2	3	4	5	6	7	8	9	10	11					
S. No.	Insect /Animal	Scientific Name	Local Name	Habit	Habitat	Time/Season of Attack	Management Mechanism	Associated TK	Other details	Community Kn. Holders					
1	Mustard aphid	Lipaphis erysimi	aphid	Sucking pest	Attacks mustard & other cucurbit crops	Dec-March	Timely sowing of crop & Chemical, Biological & Mechanical	-	Major threat to oil seed crops of Rabi	Farmers					
2	Termite	Microtermis obesi/ Odontoremes obesus	Telle	Chewing & bitting	Wheat & other crops	Nov-May	Cultural & Chemical measures	-	Major threat to unirrigated crops	Farmers					
3	Blister beetle	Mylabris spp.	Ghori	Chewing & bitting	Attacks Maize, Bhindi & Pulses	June-Oct	Mechanical& Chemical measures	-	Insectivorous feed on grasshopper	Farmers					
4	Cereal leaf Beetle	Oulma melanopus		Chewing & bitting	Attacks Maize	Aug-Sep	Chemical measures	-	Most recent occurrence	Farmers					
5	Red Pumpkin Beetle	Raphidopalpa foveicellis	Lal Kaddu Beetle	Chewing & bitting	Cucurbits	March-Oct	Chemical measures	-	Most common in fields of Cucurbits	Farmers					
6	Cucurbits fruit fly	Bactrocera cucurbitae	Melon fly	Chewing & bitting	Attacks Pumpkin, cucumber & gourds	Throughout the year	Mechanical & Chemical, Pheronon trap	-	Danger to all cucumber crops	Farmers					
7	Maize stem Borer	Chilo partellus	Sundi /Tana- shedak	Chewing & bitting	Attacks Maize, sorghum , Bajra & sugarcane	July to sept	Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers					

8	Grasshopper	Hygro blasses Negro / Hieroglyphus nigropletus	Tidi	Maize and Paddy	Maize, Paddy, Jojr Bajra	July to sept	Mechanical& Chemical measures	-	Eats leaves	Farmers
9	Rice Gandi Bug	Leptocorzia varcornis	Gandi Bug	Paddy	Paddy at miliking stage	July to Oct.	Mechanical& Chemical measures	-	Pierce the grains at miliking stage	Farmers
10	Syzygium cimini	Spodoptera Frugiperda	Caterpiller	All Crops	Defoliaties Major crops	Through the year	Mechanical& Chemical measures	-	Defoliates all crops	Farmers
11	Leaf Floder	Cnaphalocrocis meddialis	Ctter Pillers	Feeds on leavs abd stem	Attacts on Paddy Leaves	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
12	Stem Borer	Tryporza incrtules	Tana shedat/ Catter pillers	Bores into stem results into dead heart	Crops Plants	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
13	Cut worm	Agrotis ipsilon	Ludi	Cuts stem and leaves	Wheat sorguham maize and other	Throughout the year	Mechanical& Chemical measures	-	Major threats	Farmers
14	White Fly	Aleyrodidae		Suks the shap of plants	Sobin Bhindi and all pulses crops	April to Oct.	Chemical measures	-	Major threats	Farmers
15	Field rats	Ratus meltada	Chouha	Nocturnal in habit	Attacks all crops	Throughout the year	Mechanical& Chemical measures	-	Lives in burrows opening hidden in bushes	Farmers
16	Monkey	Rhesus macaque	Bander	Attacks agriculture crops	Forest & human habitat	Throughout the year	Traps & chemosterlization	-	Cause extensive damage to almost all crops,attacks humans	general public/ Farmers

	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						

	Format 7: Peoplescape														
1	2	3	4	5	6	7	8	9	10	11					
Community & Population	Population Major Occupation Occupation Landscape accessed and seasons of access management practices real and practices condition inhabitants														
SC,St & General 1437	-	-	-	-	-	-	SC	Middle Class, BPL	-	335					
Examples of dependent Major resources a How the commun	ending landscapes accessed could be hity manages the la	are agriculture lan agriculture resour andscapes they use	ndscape, rivers, for ces of different na e for satisfying dif	ollection of NTFP ani rest etc. ture, fish, birds, water ferent needs, their stra ifferent needs, their st	r, mud, and etc ategies and percept	ion									

	Format 8: Landscape														
	1		2	3	4	5	6	7	8	9	10	11	12		
Major 1	Major Landscapes			E		Guard	Grand	T I and a	M		A	04			
Agricultural land	Pond	Fallow Land	Sub - Landscapes	Features and approx. Area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed		
Plains &	Plains & Kandi areas		Plains	hilly as wellas	Private ,state 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	Private ,state 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 brie	f descri	ption of lan			lands,	and conifers	animals, wildlife such as porcupine, jackal etc.	as pvt,and Govt also							

	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		
Ponds			Private land	kamal, Baryan,	Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public							
Tube well			Private land		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public							
Hand pumps			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public							
Examples: Pond	ls, Streams, I	l Rivers, Lake, Ca	nal, Tubewell,	Dug well etc.	·,	1	1	1	1		1	L		

	Format 10 Soil Type														
1	2	3	4	5	6	7	8	9	10						
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	Type A	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 trees														
1	2	3	4	5	6		7		9	10	11	12	13		
	C	LevelNeve		п.1.4	Landscape /	Local	Status	Source of	Seasons of		Associated	Others Details	Community /		
Plants	Scientific Name	Local Name	Variety	Habit	Habitat	Past	Present	Plants / Seeds	Fruiting	Uses (Usages)	ТК	Market / Own Use	Know Holder		
Mango	Mangifera indica	Aam	Desi, Dusheri, Malta	Alternate Bearing	Plains	Plenty	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			
Litchi	Litchi chinensis	Litchi	Culcatta, Dehradun	Tree, Regular Bearing	Plains	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing			
Guava	Psidium guajava	Amrood	Local, L49 etc.	Tree, Regular Bearing	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					
Aonla	Phyllanthus emblica	Ambla	Local Selection, NA- 7	Tree, Regular Bearing	Plains	Plenty	Plenty	Nurseries, Local Collections	Nov Dec	Pickling Preserve etc		Marketing, Own Use			

Ber	Ziziphus mauritiana lamk	Ber	Gola, Varanasi	Tree, Regular Bearing	Plains	Plenty	Plenty	Local	Jul - Aug	Fruit	Own Use	
Jamun	Syzygium cumini	Jamun	Local Selection	Tree, Regular Bearing	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit	Own Use	
Pomegranate	Punica granatum	Anaar, Druni	Ganesh, Kandhari, Local	Tree, Regular Bearing, Shrub	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana	Own Use	
Pear	Pyrus spp.	Nakh	Pathar Nakh, China Pear	Tree, Regular Bearing	Plains, mid hills	Rare	Rare	Nurseries	Aug - Sep	Fruit	Own Use	
Peach	Prunus persica	Aaroo	July Elberta, Quetta	Tree, Regular Bearing	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul	Fruit	Marketing, Own Use	
Strawberry	Fragaria × ananassa	Strawberry	Chandlar	Runner, Annual	Plains, mid hills	Rare	Plenty	Nurseries	Mar - Apr	Fruit	Marketing	
Karonda	Carissa carandas	Garnay	Local	Shrub	Hills/ Plains	Rare	Rare	Wild, Local	Jun - Aug	Fruit	Marketing, Own Use	
Рарауа	Carica papaya	Papita	Local	Tree	Plains	Rare	Plenty	Nurseries, Localy Raised	Aug - Oct	Fruit	Own Use	

			Fori	nat 12: Medi	cinal Plan	ts (Herbs,	, Shrubs, '	Trees etc.)				
1	2	3	4	5	6	,	7	8	9	10	11	12
Plant Type	Local Name	Scientific Name	Variety	Landscape/	Source of	Local	status	- Uses (usage)	Part used	Associated	Other details	Community/
r lant 1 ype	Local Name	Scientific Ivanie	v ar lety	Habitat	plant/seeds	Past	Present	Uses (usage)	r art useu	ТК	market/own	Know.
Herbs	Dudlu	Taraxacum officinale		Temperate area	Root	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community
Herbs	Tarad	Dioscorea belophylla		Lower shiwalik	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Herbs	Jungli putna	Mentha arvensis		Lower shiwalik /Temperate area	Root	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Trimuru	Zanthoxylum aurmatum		Lower shiwalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Shrubs	brankad	Adhatoda vesica		Lower shiwalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community
Shrubs	Drainkdu	Murraya koenigii		Sub-Tropical area	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Shrubs	Dussa	Colebrookia oppositifolia		Lower shiwalik	Seed	Rare	Rare	nil	Flower	N.A	N.A	Generally, held by community
Shrubs	Thor/Shuu	Euphorbia royleana		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bareyan	Acorus calamus		Lower shiwalik	Seed	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bhang	Canabis sativa		Lower shiwalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community

Tree	Amla	Phyllanthus emblica	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Bair	Ziziphus xylocarpa	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Bheda	Terminalia bellerica	Lower shiwalik	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Bill-Patre	Aegle mermelos	Sub-Tropical area	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Tree	Drankh	Melia azadirach	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Harad	Terminalia chebula	Lower shiwalik	Seed	Abundant	Abundant	Good for digestion	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Jaman	Syzygium cumini	Lower shiwalik	Seed	Abundant	Abundant	maintains sugar level in human body	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Kakad-Singhi	Pistacia khinjuk	Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Karal	Bauhinia variegata	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/ Flower	N.A	N.A	Generally, held by community
Tree	Khair	Acacia catechu	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Kringal	Casia fistula	Lower shiwalik	Seed	Abundant	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Lusada	Cordia dichotoma	Lower shiwalik	Seed	Rare	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Mango	Mangifera indica	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem/Fruit	N.A	N.A	Generally, held by community

Tree	Retha	Sapindus mukorossii	Lower shiwalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Rumbal	Ficus racemosa	Lower shiwalik	Seed	Rare	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Sree	Albizzia lebbeck	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Talli	Dalbergia sissoo	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Trimbal	Ficus auriculata	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Tuni	Toona ciliata	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Arjun	Terminalia arjuna	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Bheda	Terminalia bellerica	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Amla	Emblica officinalis	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Neem	Azadirachta indica	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
tree	Khair	Accacia catechu	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Shrubs	Bhang	Cannabis sativa	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community

			Format 1	3: Ornamenta	ll Plants/ Trees/Cl	imbers etc.			
1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of plant/seeds	Commercial/ non- commercial	Uses	Associated TK	Other details	Community/ 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

			I	Format 14:	Timber Pla	ants / Trees					
1	2	3	4	5	5	6	7	8	9	10	
Plant Type	Local Name	Scientific Name	Habitat	Local	status	Wild/ home-	Other uses	Associated TK	Other details	Community/ Know.	
гант туре	Local Name	Scientific Ivanie	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	commercial	nil	nil	Generally, held by community	
Trees	Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community	
Trees	Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community	
Trees	Tuni	Toona ciliata	Lower shiwalik	Abundant	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	chir	Pinus roxburghii	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community	
Trees	Jammun	Syzygium cumini	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community	

				FORMA	Г 15: DOMES	STICATE	D ANIMA	ALS				
1	2	3	4	5	6		7	8	9	10	11	12
Animal True	Local Name	Scientific	Breed	Features	Method of	Local	Status	Uses	Associated	Commercial	Other Detail	Community
Animal Type	Local Name	Name	(local/Hybrid)	reatures	keeping	Past	Present	Uses	ТК	rearing	Other Detail	know holders
Cattle	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
Cattle	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
Buffalo	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
Mule	khacchar	E.assinus xE caballus	Local	Black	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All
Poultry	Kukkar	Galus domesticus	Local	Enriched meat flavor	Backyard	Abundant	Decrease	Egg ,meat	Nil	No	Egg ,meat	All

Poultry	Syzygium cimini	Galus domesticus	Chabro	good egger	Backyard	few	Increased	Egg,meat	Nil	No	Egg ,meat	All
Poultry	Broiler	Galus domesticus	Hybrid	white color , fast growing	deep litter	few	Increased	meat	Nil	Yes	Meat	All
Poultry	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
Poultry	Parrot	Psittaciformes	Local	parrot green in colour with red beak	Backyard	few	Decrease	decorative	Nil	No	Nil	All
Poultry	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	Domesticated	few	Increased	Meat	Nil	Yes	Nil	Sikh /Chrisitians/ SCcommunity
Elephant	Haathi	Loxodonta	Asian elephant	Grey in colour	Pet ,wild	few	few	religous faith	Nil	No	Nil	All

			Format 1	6: Culture Fishe	ries							
1	2	3	4	5	6	7		8	9	10	11	12
					Waterscape	Local	status			Commercial	Other	Community
Fish Type	Local name	Scientific Name	Variety	Features	(Pond/bheri/ talao)	Past	Present	Uses	Associated TK	rearing	deatails	Know. Holders
Carp	Rohu	Labeo rohita	Indian Major Carp	Large Silver coloured fish, arched head	Pond	Available	Availabe	Own & Commercial use	Use as food as a good source of protein	Yes	_	25%
Carp	Catla	Catla catla	Indian Major Carp	large & broad head,grey scales,protruding lower jaw	Pond	Available	Availabe	Own & Commercial use	Use as food as a good source of protein	Yes	-	25%
Carp	Mrigal	Cirrhinus mrigala	Indian Major Carp	cycloid scales, mouth broad ,pharyngel teeth in 3 rows	Pond	Available	Availabe	Own & Commercial use	Use as food as a good source of protein	Yes	-	25%
Carp	Grass carp	Ctenopharyngodo n idella	Exortic Carp	Wide & scaleless head,terminal mouth,protracted upper jaw	Pond	Available	Availabe	Own & Commercial use	Use as food as a good source of protein	Yes	-	25%
Carp	Common Carp	Cyprinus Carpio	Exortic Carp	Have long dorsal fin,have small barbels,mouth opens in an accordion like fashion	Pond	Available	Availabe	Own & Commercial use	Use as food as a good source of protein	Yes	-	25%

Minor Carp	Mooree	Channa spp	Local	Snakehead fish, Air Breathing Fish	Pond	Available	Available	Own & Commercial use	Used as food as source of protein	-	-	25%
Minor Carp	Sole	Channa marulius	Local	Snakehead fish, Air Breathing Fish	Pond	Available	Available	Own & Commercial use	Used as food as source of protein	-	-	25%

	Fo	rmat 17: Markets	/ Fairs for D	Domesticated Ani	mals, Medicina	l Plants and other p	roducts	
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 from animals are arrived	Places to where the animals are transported
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

		WILD BIG	DDIVER	SITY FORMAT	[18: Tree	s, Shrubs,	Herbs,Tuber	s,Grasses,C	limbers etc		
1	2	3	4	5		6	7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local	status	Commercial/	Part	Associated TK	Other details	Community
riant Type	Local Mame	Scientific Ivanie	пари	Habitat	Past	Present	own use	collected	Associated TK	Other details	Knowledge Holder
Tree	Shisham	Dalbergia sisoo	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	-
Tree	Khair	Acacia catechu	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Katha	-	-
Tree	Amla	Emblica officinalis	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Fruit	Food processing	-	-
Tree	Siris	Albizziz lebbeck	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Chir	Pinus roxburghii	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Resin	-	-
Tree	Lecunia	Leucaena leucocephala	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Simbal	Bombax cebia	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Kamila	Mallotus philippensis	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Krangal	Cassia fistula	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Ber	Ziziphus jujuba	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	-
Tree	Plash	Butea monosperma	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
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	-	-	-
Tree	Sagwan	Tectona grandis	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Safeda	Eucalyptus	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
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	-	-	-
Herbs	Bhang	Cannabis sativa	herbs	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Leaves	-	-	-
Shrub	Jojra	Pupalia lappacea	Shrubs	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	_	-	-	-
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	_	-	-	-
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	_				
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		Format 19:	Wild Plant Species of I	Importance	
1	2	3	4	5	6
SI.No	Local Name	Scientifice Name	Variety	Importance(as 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 cornea	Shrub	Soil binder	Good
7	pansar	Wendlandia heynei	Shrub	Firewood	Good

			Format 20: Aquatic Biod	liversity					
1	2	3	4	5		6	7	8	9
Local Name	Scientifice Name	Variety	Features	Habitat	Local	Status	Associated TK	Other details	Community/ Knowledge
	Scientifice Ivanie	variety	reatures	Habitat	Past	Present	Associated TK	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			
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			

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 S	pecies of Importance	
1	2	3	4	5	6
SI.No	Local Name	Scientifice Name	Variety	Importance	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	

			For	mat 22: Wild P	lants of M	edicinal In	nportance			
1	2	3	4	5		6	7	8	9	10
Plant (Herb,Shrub,	Local Name	Scientific Name	Variety	Landscape/	Local	Status	Uses	Part used	Other details	Community/Knowledge
Tree)	Local Name	Scientific Ivanie	variety	Habitat	Past	Present	(usage)	r art useu	market/own use	Holder
Tree	Arjun	Terminalia arjuna	Tree	Northern/Sub- Tropical	Good	Good	Medicinal	Bark	-	-
Tree	Amla	Emblica officinalis	Tree	Northern/Sub- Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-
Tree	Harad	Terminalia chebula	Tree	Northern/Sub- Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-
Tree	Behra	Terminalia bellerica	Tree	Northern/Sub- Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-
Tree	Sukchain	Pongamia pinnata	Tree	Northern/Sub- Tropical	Good	Good	Medicinal	Bark	-	-
Tree	Jamun	Syzygium cumini	Tree	Northern/Sub- Tropical	Good	Good	Medicinal	Fruit /seeds	-	-

	Format 23: Wild relatives of Crops													
1	2	3	4	:	5	6	7	8	9	10				
Local Name	i Habitat i holder													
	Habitat Past Present Osco (usage) Fart Oscu TK Other details holder													
					NIL									

			Form	at 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
Gandila	Nerium indicum	Shrub	Northern/ Sub-Tropical	-	-	-	-
Panjtara	Tara spinosa	Shrub	Northern/ Sub-Tropical	-	-	-	-
Bougainvillea	Bougainvillea glabra	Shrub	Northern/ Sub-Tropical	-	-	-	-
Gulmohar	Delonix regia	Tree	Northern/ Sub-Tropical	-	-	-	-

				Format 25:	Fumigate	c/Chewing	g Plants				
1	2	3	4	5		6	7	8	9	10	11
Plant (Harb Shrub	LagelNeme	Saiontifia Nama	Variate	Habitat	Local	Status		Post wood	Associated	Other details(mode of	Community (Vnowledge
(Herb,Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Past	Present	Uses (Usage)	Part used	ТК	use)	/Knowledge holder
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	Medicinal	leaves			

	Format26: Timber Plants											
1	2	3	4		4		4		5	6	7	8
Local Name	Scientific Name	Habitat	Local	Status	Other Uses ,if any	Associated TK	Other Details	Community				
Local Ivalle	Scientific Ivanie	Habitat	Past	Present	Other Oses , ir any	Associated TK	Other Details	/Knowledge holder				
Chir	Pinus roxburghii	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-				
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	-	-				
Sagwan	Tectona grandis	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-				
Safeda	Eucalyptus	Northern/Sub-Tropical	Good	Moderate	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	Syzygium cumini	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-				

	Format27 A:Coastal and Marine Flora											
1	2	3	4		5	6	7	8	9	10		
	Terral News	ame Scientific Name	Haliaa	Local status		Part	Commercialuses(if			Community		
Plant Type	Local Name		Habitat	Past	Present	collected	any)	Other Uses	Associated TK	Knowledge Holder		
	NIL											

	Format 27 B:Coastal and Marine Fauna										
1	2	3	4		5	6	7	8	9	10	
Animal	nimal Se	ame Scientific Name	Scientific		Local	al status Part collected (if		Commercial uses (if	Other Uses	Associated TK	Community Knowledge Holder
Туре	Local Name		Habitat	Past	Present	any)	any)				
						NIL					

		Format 2	28: Wild Animal (N	Iammals,B	irds,Repti	les,Amph	ibia,Insec	ts,others)									
1	2	3	4	5	6 7		7		7		7		7		9	10	11
Animal Tuna	Local Name	Scientific Name	Habitat	Description	Season	Local	status	Uses ,if any	Associated TV	Other	Community Knowledge						
Animal Type	Local Name	Scientific Name	Habitat	Description	when seen	Past	Present	Uses, if any	Associated TK	Details	Holder						
Wild Animal	Leopad	Panthera Pardus	Northern/ Sub-Tropical	-	Winter	Good	Good	-	-	-	-						
Wild Animal	Squirrels	Sciuridae	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-						
Wild Animal	Boar	Sus scofra	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-						
Wild Animal	Indian Hare	lepus nigricollis	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-						
Wild Animal	Monkey	Cercopithecidae	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-						
Wild Bird	Red jungle fowl	Gallus gallus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-						
Wild bird	Rose ringed parakeet	Psittaculidae	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-						
Wild Animal	Fox	Vulpes	Northern/ Sub-Tropical	-	-	Good	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	Testudines	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Reptiles	Snake	Natrix	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-

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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				
S.No	Local Name	Scintific Name	Type of Animals(Mammals /Birds/Fish/Insects etc.)	Habitat	Remarks(Rare/common etc.				

	Format 31: Any other information of local importance								
1	2	3							
Sr. No.	Information of local importance	Remarks							
	none								

End of Part II