

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Upper Bhajwal -B

Name of taulka / Block:- Sunderbani

District:Rajouri

State:Jammu And Kashmir UT

Geographical Area of the Panchayat Samiti: 690.1 HA

Population under the Panchayat Samiti: Total 2286

Male: Female: Total:1763

Habitat and Topography:Hilly & Plain

Climate (Rainfall, Temperature and weather patterns) Tropical/ Sub Tropical

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation 2020-21

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

Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons women and not less than 18% belonging to SC/ST)

1)Name of the Chairperson: SH. Sat Paul Sharma

Age:50 yrs

Gender:Male

Address:Bhajwal

Area of specialization: Sarpanch

2) Name: Amit Kumar

Age: 40Yrs

Gender: Male

Address: Bhajwal

Area of specialization: Member

3)Name: Veena Devi

Age: 44

Gender: Female

Address: Bhajwal

Area of specialization: Member

4)Name: Kasturi Lal

Age:56Yrs

Gender: Male

Address: Bhajwal

Area of specialization: Member

5)Name: Rajinder Kumar

Age: 48Yrs

Gender: Male

Address: Bhajwal

Area of specialization: Member

6)Name: Sunita Sharma

Age: 49Yrs

Gender: Female

Address: Bhajwal

Area of specialization: Member

7)Name: Kailash Kumari

Age:57 Yrs

Gender: Female

Address: Bhajwal

Area of specialization: Member

Annexure-2

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

1) Name : Sardar Mithu Singh

Age: 65

Gender: Male

Address:Firing Line Bhajwal

Area of specialization: Joint and Bone Treatment

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name: Jagdish Lal

Age:56

Gender: Male

Address:Mohra Lamman

Area of specialization: Treatment of Intestinal Disorders

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name: Yash Paul

Age:55

Gender: Male

Address: Mohra dharooth

Area of specialization: Snake and Other Insect Bites Treatment

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

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

1) Name of the Chairperson: Sh. Chattu Ram

Age: 75 Yrs

Gender: Male

Address: Bhajwal

Area of specialization: Agriculture

2) Name of the Chairperson: Sh Prem Nath

Age: 65

Gender: Male

Address : Mohra Dharooth Bhajwal

Area of specialization: Agriculture

3) Name of the Chairperson: Sh. Tara Chand Sharma

Age: 61 yrs

Gender: Male

Address: Bhajwal (Firing Line) Sunder Bani

Area of specialization: Agriculture, Vegetable.

4) Name of the Chairperson: N/A

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: Teacher

Name and address: Anju Bala (GPS DOVA)

2) Contact Person: Teacher

Name and Address: Pankaj Raina (GPS DOVA)

3) Contact Person: N/A

Name and Address:

4) Contact Person: N/A

Name and Address:

You may add names of more institutions/NGO/Individuals etc, if necessary

Annexure 5

Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed

S.no	Name and address of the Person/Institute/company others	Local and Scientific Name of the biological material Accessed and quantity	Date and resolution of the BMC and endorsement by the Panchayat
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A

End of Part I

ed and details of the benefit derived and the mode of their sharing

Detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

Part II
PBR – Formats

AGROBIODIVERSITY

Format 1: Crop Plants

1	2	3	4	5	6	Local
Crop	Scientific Name	Local Name	Variety	Landscape / Habitat	Approx. area shown(Hact)	Past
Kharif	<i>Zea mays</i>	Maki	Double Dacklab Kanchan	Low land valleys	300	Plenty
Rabi	<i>Triticum aestivum</i>	Kanak	HD3171/HD 1605	Low land valleys	365	Plenty
Kharif	<i>Sesamum indicum</i>	Til		Low land valleys	0.2	Plenty
Kharif	<i>Vigna mungo</i>	Mash Dal		High and Plains	3.5	Plenty
Kharif	<i>Phaseolus vulgaris</i>	Beans		Low land valleys	4	Plenty
Vegetable	<i>Solanum lycopersicum</i>	Tomato		Low land valleys	2	Plenty
Vegetable	<i>Momordica charantia</i>	Bitter Guard		Low land valleys	2.5	Plenty
Vegetable	<i>Lagearia siceraria</i>	Ghiya		Low land valleys	1	Plenty
Vegetable	<i>Benincasa hispida</i>	Petha/Kandoli		Low land valleys	3	Plenty
Vegetable	<i>Abelmoschus esculentus</i>	Bhindi		Low land valleys	2.6	Plenty
Spice	<i>Zingiber officinale</i>	Adrak		Low land valleys	15	Plenty
Oilseed	<i>Brassica juncea</i>	Mustard		Low land valleys	156	Plenty
Vegetable	<i>Luffa cylindrica</i>	Kandoli		Low land valleys	2	Plenty
Vegetable	<i>Colocasia asculanta</i>	Kachalu		Low land valleys	1.5	Plenty
Vegetable	<i>Amaranthus veridus</i>	Chaleri saag		Low land valleys	2	Plenty

Vegetable	<i>Senna siamea</i>	Kassod		Low land valleys	2	Plenty
Vegetable	<i>Colocasia asculanta</i>	Arbi		Low land valleys	3	Plenty
Vegetable	<i>Allium sativum</i>	Lehsun		Low land valleys	5	Plenty
Vegetable	<i>Allium cepa</i>	Onion		Low land valleys	5	Plenty
grass	<i>Saccharum officinarum</i>	Sugarcane		Low land valleys	2	Plenty
Vegetable	<i>Solanum tuberosum</i>	Potato		Low land valleys	2	Plenty
Vegetable	<i>Brassica rapa</i>	Shalgam		Low land valleys	1	Plenty
Vegetable	<i>Curcuma longa</i>	Haldi		Low land valleys	0.5	Rare
Vegetable	<i>Brasica oleracea</i>	Ful gobi		Low land valleys	5	Plenty
Vegetable	<i>Brasica capitata</i>	Cabbage		Low land valleys	5	Plenty

Plenty						Local people of the area	
Rare						Local people of the area	
Plenty						Local people of the area	
Plenty						Local people of the area	
Plenty						Local people of the area	
Plenty						Local people of the area	
Plenty						Local people of the area	
Rare						Local people of the area	
Plenty						Local people of the area	
Plenty						Local people of the area	

Format 2: Fruit Plants

1	2	3	4	5	6	
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status	
					Past	Present
Tree	<i>Mangifera indica</i>	Aamb	Sandoori	Hilly	Abundent	Rare
Tree	<i>Citrus x sinensis</i>	Santra	Local	Farm fields	Abundent	Rare
Tree	<i>Citrus seraticulata</i>	Small	Local	Farm fields	Abundent	Rare
Grass	<i>Musa acuminata</i>	Banana	Local	Farm fields	Abundent	Rare
Tree	<i>Citrus limeta</i>	Mousambi	Local	Farm fields	Abundent	Rare
Tree	<i>Prunus domestica</i>	Plum	Local	Farm fields	Rare	Abundent
Tree	<i>Morus alba</i>	Shehtut	Local	Farm fields	Abundent	Rare
Tree	<i>Psidium guajava</i>	Amrood	Local	Farm fields	Abundent	Rare
Tree	<i>Citrus karna</i>	Kimb	Local	Farm fields	Abundent	Rare
Tree	<i>Citrus Spp</i>	Jambeeri	Local	Farm fields	Abundent	Rare
Tree	<i>Zyzyphus jajuba</i>	Ber	Local	Farm fields	Abundent	Rare
Tree	<i>Punica garnatum</i>	Anardana	Local	Farm fields	Abundent	Rare
Tree	<i>Carissa carandus</i>	Garna	Local	Farm fields	Abundent	Rare
Tree	<i>Rubus ellipticus</i>	Aakhra	Local	Forest	Abundent	Rare
Tree	<i>Emblica officinalis</i>	Aamla	Local	Farm fields	Abundent	Rare
Tree	<i>Prunus percica</i>	Aaru	Local	Farm fields	Abundent	Rare
Tree	<i>Pyrus pyrifolia</i>	Nashpati	Local	Forest	Rare	Rare
Tree	<i>syzygium cuminii</i>	Jamun	Local	Forest	Rare	Rare

7	8	9	10	11
Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use
Wild	June-July	calcium	pickle	Own use
hybrid	July to September	Vitamin C	Juice	Own use & Market also
Wild	July to September	Vitamin C	Juice	Own use & Market also
Wild	July to September	Vitamin C		Own use & Market also
Wild	July to September	Vitamin C		Own use & Market also
Horticulture	December to April	Vitamin C		Own use & Market also
Wild	July to September		Fruit	Own use & Market also
nursery	December to April		Fruit	Own use & Market also
Wild	December to April		Fruit	Own use & Market also
Wild	December to April		Fruit	Own use & Market also
Wild	December to April		Fruit	Own use & Market also
Wild	December to April		Fruit	Own use & Market also
Wild	July to September		Fruit	Own use & Market also
Wild	July to September		Fruit	Own use & Market also
Wild	July to September		Fruit	Own use & Market also
Wild	July to September		Fruit	Own use & Market also
Vegetative Propagation			Fruit	Own use & Market also
Wild			Fruit	Own use & Market also

12

**Community /
Knowledge holder**

Low production

Low production

Medium Production

Medium Production

Medium Production

Good Production

Low production

Low production

Low production

Low production

Low production

Low production

Low production

Low production

Low production

Low production

Low production

Low production

Low production

Low production

Format 3: Fodder Crops / Species

1 Plant	2 Scientific Name	3 Local Name	4 Landscape / Habitat	5 Local Status	
				Past	Present
Plant	<i>Vigna mungo</i>	Black Gram	Plain	Plenty	Plenty
Tree	<i>Roubinia pseudoacacia</i>	Kikar	Hilly and plain	Plenty	Plenty
Plant	<i>Pennisetum glaucum</i>	Bajra (grass)	Hilly and plain	Plenty	Plenty
Plant	<i>Sorghum bicolor</i>	foliage	Hilly and plain	Plenty	Plenty
Grass	<i>Trifolium repens</i>	Barseem	Plain	Plenty	Plenty
Tree	<i>Bauhinia variegata</i>	Kachnaar	Hilly and plain	Plenty	Plenty
Tree	<i>Caesalpinia decapetala</i>	Cat's claw	Hilly and plain	Plenty	Plenty
Tree	<i>Albizia lebbek</i>	Siris	Hilly and plain	Plenty	Plenty
Tree	<i>Grewia optiva</i>	Dhaman	Hilly and plain	Plenty	Plenty
Tree	<i>Leucinia leucocphela</i>	Leucinia	Hilly and plain	Plenty	Plenty
Tree	<i>Acacia modesta</i>	Phulai	Hilly and plain	Plenty	Plenty
Tree	<i>Celtis australis</i>	Khirak	Hilly and plain	Plenty	Plenty
Tree	<i>Morus alba</i>	Shetut	Hilly and plain	Plenty	Plenty
Tree	<i>Melia azeadrach</i>	Drenk	Hilly and plain	Plenty	Plenty

6	7	8	9	10
Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
Agriculture Deptt.	For food	Fruit	Fodder	Local public
Agriculture Deptt.		Leaf	Fodder	
Agriculture Deptt.	For Fodder only	Whole	Fodder	Local public
Agriculture Deptt.	For Fodder only	Whole	Fodder	Local public
Agriculture Deptt.	For Fodder only	Whole	Fodder	Local public
Forest Department	For Fodder only	Leaf	Fodder	Local public
Wild	For Fodder only	Leaf	Fodder	Local public
Wild and Forest Deptt	For Fodder only	Leaf	Fodder	Local public
Wild	For Fodder only	Leaf	Fodder	Local public
Wild	For Fodder only	Leaf	Fodder	Local public
Wild	For Fodder only	Leaf	Fodder	Local public
Wild	For Fodder only	Leaf	Fodder	Local public
Sericulture and Wild	Fodder and silk worm	Leaf	Fodder	Local public
Wild	fodder and timber	leaf	Fodder & timber	Local public

Format 4: Weeds

1	2	3	4	5	6	7
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status Past
Shrub	<i>Cannabis sativum</i>	Bhang	All crops	Don't let the crop grow	Plan and hilly	Plenty
Shrub	<i>hysterophorus</i>	Congress Grass	All crops		Plan and hilly	NA
Shrub	<i>Argyrolobim raseum</i>	Makhan butti	All crops		Plan and hilly	Plenty
Shrub	<i>Atylosia scarabaeoides</i>	Wild Kulthi	All crops		Plan and hilly	available
Shrub	<i>Caragana gerardiana</i>	Pattaki	All crops		Plan and hilly	Plenty
Shrub	<i>Crotalaria mysorensis</i>	Chitryavali	All crops		Plan and hilly	Plenty
Shrub	<i>Desmodium laxiflorum</i>	Boorikuchni	All crops		Plan and hilly	Plenty
Shrub	<i>Indigofera tintoria</i>	Kathi	All crops		Plan and hilly	Plenty
Shrub	<i>Lathyrus aphaca</i>	Bandkla Jangali	All crops		Plan and hilly	Plenty
Shrub	<i>Melilotus indica</i>	Barseem	All crops		Plan and hilly	Plenty
Shrub	<i>Rhychosia minima</i>	Jungali moth	All crops		Plan and hilly	Plenty
Shrub	<i>Terhrosia purpurea</i>	Sirponkhi	All crops		Plan and hilly	Plenty
Shrub	<i>Trifolium repens</i>	Barsseem	All crops		Plan and hilly	Plenty
Shrub	<i>Trifolium pretense</i>	Shattal	All crops		Plan and hilly	Plenty
Shrub	<i>Vicia hirsute</i>	Papda	All crops		Plan and hilly	Plenty
Shrub	<i>Vicia sativa</i>	Jowal	All crops		Plan and hilly	Plenty
Shrub	<i>Mimosa rubicaulis</i>	Raal	All crops		Plan and hilly	Plenty
Shrub	<i>Ageratum conyzoides</i>	Neeli Butti	All crops		Plan and hilly	NA
Herb	<i>Euphorbia helioscopia</i>		All crops		Plan and hilly	Plenty
Shrub	<i>Xanthium strumarium</i>	Zojra	All crops		Plan and hilly	Plenty
Herb	<i>Sonchus oleraceus</i>	Dandelion	All crops	Plan and hilly	Plenty	

7	8	9	10	11	12
atus	Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
Present					
Plenty	Medicinal	Uprooting		Indigenius	
Plenty		Uprooting		Exotic	
Plenty		Uprooting		Indigenius	
Plenty	Pulses	Uprooting		Indigenius	
Plenty		Uprooting		Indigenius	
Plenty		Uprooting		Indigenius	
Plenty		Uprooting		Indigenius	
Plenty	Natural dye	Uprooting		Indigenius	
Plenty		Uprooting		Indigenius	
Plenty	Fodder	Uprooting		Indigenius	
Plenty		Uprooting		Indigenius	
Plenty	Vegetable	Uprooting		Indigenius	
Plenty	Fodder	Uprooting		Indigenius	
Plenty	Fodder	Uprooting		Indigenius	
Plenty		Uprooting		Indigenius	
Plenty		Uprooting		Indigenius	
Plenty		Uprooting		Indigenius	
Plenty		Uprooting		Exotic	
Plenty		Uprooting & weedicides		Indigenius	
Plenty		Uprooting		Indigenius	
Plenty		Uprooting		Indigenius	

Format 5: Pests of Crops

1	2	3	4	5	6
Host	Insect / Animal	Scientific name	Local name	Habitat	Time / season of attack
Maize	Chillo partellus	Chillo partellus	Shalli	Plan hilly	August
Maize	Cut worma	<i>Agrotis ipsilon</i>		Plan hilly	
Maize	Army fall worms	<i>Spodoptera frugiperda</i>		Plan hilly	
Maize	Corn leaf hoppers	<i>Hemiptera cicadellidae</i>		Plan hilly	
Maize	Cornthrips maize	<i>Frankliniella williamsi</i>		Plan hilly	
Maize	Stem borer stalk	<i>Busseola fusca</i>		Plan hilly	
Maize	Ear head bug	<i>Helicoverpa armigera</i>		Plan hilly	
Maize	Stem fly	<i>Atherigona orientalis</i>		Plan hilly	
Maize	Shoot fly	<i>Atherigona orientalis</i>		Plan hilly	
Wheat	Wheat Midge	<i>Sitocliplosis mosellane</i>	Kanak	Plan hilly	Early March
Wheat	Termite	<i>Microtermes obesi</i>		Plan hilly	
Wheat	Grass hoppers	<i>Caclifera</i>		Plan hilly	
Wheat	Wheat aphid	<i>sitobion miscanthi</i>		Plan hilly	
Wheat	Army worm	<i>Spodoptera frugiperda</i>		Plan hilly	
Wheat	Ghujia weenil	<i>Sitophilus granarius</i>		Plan hilly	
Wheat	Gram pod borer	<i>Heterodera avenae</i>		Plan hilly	
Wheat	nematodes	<i>Anguina tritici</i>		Plan hilly	
Sugarcane	Early shoot borer			Plan hilly	

Other details may include possible reasons for insects/animal attack

7	8	9	10
Management mechanism	Associated TK	Other details	Community knowledge holder
Agriculture	Protien		
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			
Agriculture			

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, 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 needs

7	8	9	10	11
Resource management practices	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs
Seasonal Practices	OT	Normal	Permanent	408
	SC		Migration due to breeding occupation	

artisans, services Examples of depending landscapes are agriculture

ention

Format 8: Landscape

1			2	3	4	5
Major Landscapes			Sub - Landscapes	Features and approx. area	Ownership	General flora
Agricultural land	Pond	Fallow land				
Agricultural land			Maize	Open land	Private	Wheat,maize,dal mash, bajra,soyabean,till
			Orchid	Close land	----do----	
			Vegetable	Garden	----do----	
Forest land					Forest	Chir, Khair, Sissoo, Kamila, Bamboo, Simble & Trimal etc
Fallow land					Forest/ State	-----
Pond				Standing water for habitat of plants and animals	Forest/ State/	Algae,pteridophytes,funghi,bryophyllum, water lilies,water hyacinth,bhang,grass
					Private	

6	7	8	9	10	11
General fauna	User groups	Management practices	General uses	Associated TK	Other details
Monkey,rabbit, porcupine, rat, wild boar, pigeon, sparrow	Locals	Crop rotation, terraced farming	Food, fodder, oil, vegetables		
Monkey, leopard, peacock, jackal & pig etc	Locals and nomadic grazers				
			Timber, medicines, fruit		
-----	-----	-----	-----	-----	-----
Fishes	Locals				
Frog		Desilting, dredging, blue pond dye	Drinking and irrigation purpose		
Snails					
Snakes					
Leech					

12

**Community
accessed**

Locals

Locals

Nomadic grazers

Locals

Wild animals

Format 9: Waterscape

1	2	3	4	5	6	7
Waterscape element type	Sub-type	Features and approx area	Ownership	General flora	General fauna	Major uses
Lake		5 kanal	Private	Bryophyllum Algae Pteridophyte Water hyacinth Fern Nelumbo nucifera	Fishes Amphibians Prawn Snail Snakes Leech Crab turtle	Recreation, Drinking purpose, Transpiration Maintaining water table.
Pond		Standing water for habitat of plants and animals	forest/ State/ Private	Bryophyllum Algae Pteridophyte Water hyacinth Fern Nelumbo nucifera Water lilies	Fishes Amphibians Prawn Snail Snakes Leech Crab Mosquito turtle	Domestic purpose, Irrigation, Drinking , Pisciculture.
Nallah			Private, Forest	Algae Pteridophyte Water hyacinth Fern Nelumbo nucifera	Amphibians Prawn Snail Snakes Leech Crab	Domestic purpose, Ecotourism.
Bowli			Private, Forest			Drinking Water

8	9	10	11	12	13
User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Locals	Desilting, Dredging, Manual weeding.				Locals , Animals
Locals	Desilting, Dredging, Manual weeding, Blue pond dye.				Locals,wild animals
Locals					Locals, Wild animals
					locals

Format 10: Soil type

1	2	3	4	5
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable
Brown earth	Brown Fine particles	Water holding capacity,porous		Kharif and rabi crops All Herbicious and woody plants
Alluvial	Light brown ,porous	Water holding capacity ,anchoring property		Kharif and rabi crops All Herbicious and woody plants,ornamental plants
Red soil	Red	Water holding capacity ,anchoring property,xerophytic		Cactus species,ganira,agave agave
Sandy soil	Light grey color,coarse texture	Highly porous Low nutrients Poor water holding capacity		All herbicious plants,angiosperms and gymnosperms,maize,barley, wheat.amla
Clay	Light brown	Water holding capacity ,Anchoring property,xerophytic		Ganira,Agave agave, Cactus,aloe vera
Rocky soil	Black	Hard texture		Bryophyte
Loamy soil	Dark brown	Water holding capacity ,anchoring property,xerophytic		

6	7	8
Flora and fauna	Associated TK	Other information
Earthworm,bacteria,funghi,algae, protozoa,nematodes,acarids		
Earthworm,bacteria,funghi, algae,protozoa,nematodes,acarid s		
Nematode ,round worm,scorpion ,lichen		
Bacteria,funghi,algae,protozoa, Earthworm nematodes,acarids,ant,centipede, milipede		
bacteria,funghi,algae,protozoa, Earthworm nematodes,acarids,ant,centipede, milipede		
Mosses,lichens,funghi,algae		
Herbecious plants		

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

1 Plant Type	2 Local Name	3 Scientific Name	4 Variety	5 Landscape/ Habitat	6 Source of plant/seeds	7 Local status	
						Past	Present
Herb	Datura	Datura Stramonium					Present
Shrub	Aak	Calotropis gigantea					Present
Shrub	Nagfani (Cactus)	Prickly pear					Present
Shrub	Amaltas	Cassia Fistula					Present
Shrub	Billan	Aegle marmelos					Present
Tree	Jammun	Syzygium cuminii					Present
Herb	Tulsi	Ocimum sanctum					Present
Herb	Pudina	Mentha					Present
Shrub	Black berry	Rubus allegheniensis					Present
Shrub	Rumbal	Ficus racemosa					Present
Tree	Trimbal	Ficus Auriculata					Present
Tree	Fakor	Ficus Palmata (Edible)					Present
Tree	Bhor	Ficus bengalensis					Present
Tree	Aamla	Emblica officinalis					Present
Tree	Behra	Terminallia bellirica					Present

Shrub	Harad	Terminalia chebula					Present
Shrub	Kakoa	Flacourtia indica					Present
Tree	Kamila	Mallotus phillippensis					Present
Shrub	Rambana	Agave Americana					Present
Shrub	Kainth	Pyrus pashia					Present
Tree	Thor	Euphorbia royleana					Present

8	9	10	11	12
Uses (usage)	Part used	Associated TK	Other details market/own use	Community/ Know. Holders
	Fruit	Aesthetic value	Own use	Local people
	Leaves	Aesthetic value	----do-----	Local people
	Leaves	To treat insomnia ,weight loss	----do-----	Local people
		Diabetics	----do-----	Local peoples
	Leaves	Aesthetic	----do-----	Local peoples
	Fruit	Increases Heamoglobin count	----do-----	Local people
	Leaves	Improves digestion & Aesthetic value	----do-----	Local people Local people
	Leaves	Treat in digestion	----do-----	Local peoples
	fruits	Diarrhea treatment	----do-----	Local peoples
	Root	Skin diseases	----do-----	Local peoples
	Fruit	Indigestion treatment	----do-----	Local peoples
	Fruit	Edible fruit	----do-----	Local peoples
	Leaves,f ruit	Treat diseases of blood and head,ulcers	----do-----	Local peoples
	Fruit	Vit.c ,improves metabolism	----do-----	Local peoples
	Fruit	Respiratory diseases	----do-----	Local peoples

Fruit	Constipation ,diabetes	----do-----	Local peoples
Fruit	Use in snake bite	----do-----	Local peoples
Fruit	Skin diseases	----do-----	Local peoples
Fruit	Intestinal gas and constipation	----do-----	Local peoples
Fruit	Fever,headache	----do-----	Local peoples
Stem	Paralysis ,earpain etc	----do-----	Local peoples

6	7	8	9	10
Commercial/ non- commercial	Uses	Associated TK	Other details	Community/ Know. holder
Non-Commercial	Ornamental			
Non-Commercial	Ornamental			
Non-Commercial	Ornamental			
Non-Commercial	Ornamental			
Non-Commercial	Ornamental			
Non-Commercial	Ornamental			
Non-Commercial	Ornamental			
Non-Commercial	Ornamental			
Non-Commercial	Ornamental			
Non-Commercial	Ornamental			

Format 14: Timber Plants / Trees

1	2	3	4	5		6
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ home-garden
				Past	Present	
Tree	Chir	<i>Pinus roxburghii</i>			Present	Wild
Tree	Kambel	<i>Lenea coromendilca</i>			Present	Wild
Tree	Tun	<i>Tuna ciliata</i>			Present	Wild
Tree	Kamila	<i>Mallotus philippensis</i>			Present	Wild
Tree	Phulai	<i>Acacia modesta</i>			Present	Wild
Tree	Draink	<i>Melia azadarach</i>			Present	Wild
Tree	Toot	<i>Morus alba</i>			Present	Wild
Tree	Tali	<i>Dalbergia Sisoo</i>			Present	Wild
Tree	Safeda	<i>Eucalyptus globulus</i>			Present	Wild
Tree	Khirak	<i>Celtis australis</i>			Present	Wild
Tree	Simbal	<i>Bombax ceiba</i>			Present	Wild
Tree	Khair	<i>Acacia catechu</i>			Present	Wild

7	8	9	10
Other uses (multi)	Associated TK	Other details	Community/ Know. holder
Timber			Bakerwal,locals
Timber			Bakerwal
Timber			Locals
Timber	Medicinal		Local natives of area
Timber	As tooth brush		Local natives of area
Timber	medicinal		Local natives of area
Timber	fruit		Local natives of area
Timber			Local natives of area
Timber			Local natives of area
Timber			Local natives of area
Timber			Local natives of area
Timber			Local natives of area

Format 15: Domesticated Animals

1	2	3	4	5	6	7
Animal Type	Local Name	Scientific Name	Breed (local/hybrid)	Features	Method of keeping	Local status
						Past
	Bhains	<i>Babalus bubalis</i>	Local	Large Size	Stall fed	Abundent
	Cow	<i>Bos taurus</i>	Local	Large Size	Stall fed	Abundent
	Ox	<i>Bos taurus</i>	Local	Large Size	Stall fed	Abundent
	Sheep	<i>Ovis aries</i>	Local	White wool	Open Heard	Abundent
	Goat	<i>Capra hircus</i>	Local	Heavy in weight	Open Heard	Rare
	Mule	<i>Equus caballus</i>	Local	Small size	Stall fed	Abundent
	Dog	<i>Canis lupus</i>	Local	Medium size	Stall fed	Abundent
	Cat	<i>Felius catus</i>	Local	Small size	Domestic	Abundent

Uses include milk, meat, skin, fur and etc

12

**Community
Know.
Holders**

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

Local

WILD BIODIVERSITY

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

1	2	3	4	5	6		7
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / own use
					Past	Present	
Herb	Snatha	Dodonea viscosa				present	Own use
Herb	Brenker	Adhatoda vassica				present	-----do-----
Herb	Bhang	Cannabis sativa				present	-----do-----
Herb	Dhatura	Datura stromonium				present	-----do-----
Shrub	Thor	Euphorbia royleana				present	-----do-----
Shrub	Akk	Ipomea carnea				present	-----do-----
Herb	Jari	Parthenium hysterophrus				present	
Herb	Anar	Punica grantatum				present	Own use
Herb	Jojra	Pupalia lappacea				present	-----do-----
Herb	Bana	Vitex nigandu				present	-----do-----
Shrub	Timbru	Zanthoxylum armatum				present	-----do-----
Shrub	Amarbel	Cuscuta reflexa				present	-----do-----
Shrub	Doab grass	Cyanadon dactylon				present	-----do-----
Herb	Puthkanda	Achyranthes				present	-----do-----
Shrub	Kai	Sacharum spontanum				present	-----do-----
Shrub	Giloe	Tinospora cardifolia				present	-----do-----
Climber	Kandoli	Luffa cylintrica				present	-----do-----
Shrub	Kasrod	Diplazium esculentum				present	-----do-----

Shrub	Kachalu	Colocasia asculanta				present	-----do-----
Shrub	Kassod	Senna siamea				present	-----do-----
Tree	Kamila	<i>Mallotus philippensis</i>	Tree	Wild	Abundant	Abundant	-----do-----
Tree	Phulai	<i>Acacia modesta</i>	Tree	Wild	Abundant	Abundant	-----do-----
Tree	Draink	<i>Melia azadarach</i>	Tree	Wild	Abundant	Declined	-----do-----
Tree	Toot	<i>Morus alba</i>	Tree	Wild	Abundant	Declined	-----do-----
Tree	Tali	<i>Dalbergia Sisoo</i>	Tree	Wild	Abundant	Declined	-----do-----
Tree	Safeda	<i>Eucalyptus Spp</i>	Tree	Wild	Abundant	Declined	-----do-----
Tree	Khirak	<i>Celtis australis</i>	Tree	Wild	Abundant	Abundant	-----do-----
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Wild	Abundant	Declined	-----do-----
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Wild	Abundant	Abundant	-----do-----
Tree	Khair	<i>Acacia catechu</i>	Tree	Wild	Abundant	Abundant	-----do-----
Tree	Kambel	<i>Lenea coromendilca</i>	Tree	Wild	Abundant	Abundant	-----do-----
Tree	Tun	<i>Toona ciliata</i>	Tree	Wild	Abundant	Abundant	-----do-----

8	9	10	11
Part collected	Associated TK	Other details	Community Knowledge Holder
Leaves	Cordage & Soil binder		Locals
Leaves	Use in ripening of fruit		Locals
Leaves	Sedative		Locals
Flower	Aesthetic value		Locals
Stem	Food(mixed with curd)		Locals
Root	Live hedge		Locals
	Weed		Locals
fruit	Fruit		Locals
Leaves	Weed		Locals
leaves	Aesthetic value & biopesticide		Locals
Fruit	Appetite booster		Locals
Stem	Medicinal		Locals
Leaves	Fodder		Locals
Stem	Aesthetic		Locals
Leaves	Aesthetic		Locals
Stem	Stomach treatment		Locals
Fruit	Food		Locals
Fruit	Food		Locals

Format 19: Wild Plant Species of Importance

1	2	3	4
Sl. No.	Local Name	Scientific Name	Variety
1	Tarad	Dioscorea belophylla	
2	Phulai	Acacia modesta	
3	Simbal	Bombax ceiba	
4	Palash	Butea monosperma	
5	Krangal	Cassia fistula	
6	Safeda	Eucalyptus citrodora	
7	Trimbal	Ficus auriculata	
8	Bohar	Ficus bengalensis	
9	Fagora	Ficus palmata	
10	Rumble	Ficus racemosa	
11	Kakoa	Flacourtia indica	
12	Dhaman	Grewia optiva	
13	Kamila	Mallotus philippensis	
14	Aam	Mangifera indica	
15	Draink	Melia azedarach	
16	Toot	Morus alba	
17	Chir	Pinus roxburghii	
18	Jamun	Syzigium cumini	
19	Beer	Zyzyphus jujuba	
20	Reetha	Sapindus mukorossi	

5	6
Importance (as economic, social, cultural etc.)	Status
Food	Fairly available
Medicinal value	Present
Economic	Present
Food wrapping items, cultural, aesthetic	Present
Medicinal importance	Present
Reduce cough,cold etc	Present
Fodder,fruit	Present
Medicinal, cultural Aesthetic	Present
Edible fruit,medicinal	Present
Healing power, used in tongue sore	fairly available
Used in snakebite,arthritis	Present
Leaf fodder	Present
As dye,antioxidant	Present
Fruit	Present
Medicinal &,timber value	Present
Timber	Present
Timber,resin,medicinal	Present
Fruit,medicinal	Present
Food, medicinal	Present
Soap making	Present

Format 20: Aquatic Biodiversity

1	2	3	4	5
Local Name	Scientific Name	Variety	Features	Habitat
Mahseer	Tor Tor	Indigenous fauna	Bony fishes	Streams/lakes
Gold mahseer	Tor Putitora	Indigenous fauna	Bony fishes	Streams/lakes
Kaid	Labeo dero	Indigenous fauna	Bony fishes	Streams/lakes
Kaid	Labeo boga	Indigenous fauna	Bony fishes	Streams/lakes
Kaid	Labeo bata	Indigenous fauna	Bony fishes	Streams/lakes
Punta	Puntius conchanius	Indigenous fauna	Bony fishes	Streams/lakes
Punta	Puntius sophor	Indigenous fauna	Bony fishes	Streams/lakes
Punta	Puntius ticto	Indigenous fauna	Bony fishes	Streams/lakes
Top	Barilius vagra	Indigenous fauna	Bony fishes	Streams/lakes
Nai	Glyptothorax	Indigenous fauna	Bony fishes	Streams/lakes
Rohu	Labeo rohita	Indigenous fauna	Bony fishes	Streams/lakes
Toad	Duttaphrynus melanostictus	Indigenous fauna	Toad	Streams /lakes
Frog	Sphearopheca breviceps	Indigenous fauna	Frog	Streams/lakes
Bull Frog	Hoplobatrachus pigerinus	Indigenous fauna	Frog	Ponds
Snake	Krait	Indigenous fauna	snake	Streams/tawi
Snake	Russels viper	Fauna	Snake	Streams/lakes
Water hyacinth	Eichhornia crassipes	Indigenous fauna	Aquatic plant	Streams/lakes
Water lettuce	Pistia stratiotes	Indigenous fauna	Aquatic plant	Streams/lakes
Lucky 4-leaf clover	Marsillia mutica	Indigenous fauna	Aquatic plant	Streams/lakes
Money wort	Bacopa monnieri	Indigenous fauna	Aquatic plant	Streams/lakes
Water popy	Hydrocleys nymphoides	Indigenous fauna	Aquatic plant	Streams/lakes
Water lilly	Lotus	Indigenous fauna	Aquatic plant	Streams/lakes

10

Community/ Knowledge
Holder

--

--

--

--

--

--

--

--

--

--

--

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4
Sl. No.	Local Name	Scientific Name	Variety
1	Water hyacinth	<i>Eichhornia crassipes</i>	Aquatic plant
2	Water lettuce	<i>Pistia stratiotes</i>	Aquatic plant
3	Lucky 4-leaf clover	<i>Marsillia mutica</i>	Aquatic plant
4	Money wort	<i>Bacopa monnieri</i>	Aquatic plant
5	Water popy	<i>Hydrocleys nymphoides</i>	Aquatic plant
6	Water lilly	Lotus	Aquatic plant

5	6
Importance	Trends
Use as eggcollector in breeding of fish	-----
Use as eggcollector in breeding of fish	-----
-----	-----
-----	-----
-----	-----
-----	-----

Format 22: Wild Plants of Medicinal Importance

1 Plant (Herb, Shrub, Tree)	2 Local Name	3 Scientific Name	4 Variety	5 Landscape / Habitat	6 Local Status	
					Past	Present
Herb	Datura	Datura stromanium				Present
Tree	Billan	Aegle marmelos				Present
Shrub	Banah	Vitex negundu				Present
Shrub	Timru	Xanthoxylum armatum				Present
Tree	Fakor	Ficus palmata				Present
Tree	Trimbal	Ficus auriculata				Present
Tree	Behra	Terminallia bellerica				Present
Tree	Harad	Terminallia chebula				Present
Tree	Amla	Emblica officinale				Present
Shrub	Kakoa	Flacourtia Indica				Present
Shrub	Thor	Euphorbia royleana				Present
Shrub	Phulai	Acacia modesta				Present
Shrub	Anardana	Punica granatum				Present
Tree	Rambana	Agave Americana				Present
Herb	Kainth	Pyrus pashia				Present
Shrub	Bhang	Cannabis sativa				Present
Shrub	Ber	Zyziphus jujuba				Present
Herb	Brenkad	Adhatoda vassica				Present
Herb	Pudina	Mentha				Present

7	8	9	10	11
Associated TK	Uses (usage)	Part used	Other details market/ own use	Community/ Knowledge Holder
Used in pooja		Fruit	Own use	Local people
Liver tonic		Fruit		Local people
Pesticide		Leaves		Local people
Apetite booster		Fruit		Local people
		Fruit		Local people
Fodder		Fruit		Local people
Trifla		Fruit		Local people
Trifla		Fruit		Local people
Trifla		Fruit		Local people
Immunity booster		Fruit		Local people
Mixed with curd		Stem		Local people
Used as Tooth brush		Branche s		Local people
Chutney		Fruit		Local people
Pickles		Fruit		Local people
Wild fruit		Fruit		Local people
Sedative		Leaves		Local people
Fodder		Fruit		Local people
Pesticide		leaves		Local people
Improve apetite		leaves		Local people

Format 23: Wild relatives of Crops

1	2	3	4	5
Local Name	Scientific Name	Associated crop	Landscape / Habitat	Local Statu
				Past
Ber	<i>Ziziphus Jujuba</i>	<i>Zyzyphus mauritiana</i>	Wild	Abundant
Wild Grapes	<i>Vitis vinifera</i>	<i>vitis vinifera</i>	Wild	Abundant
Local Mango	<i>Mangifera indica</i>	<i>Mangifera indica</i>	Wild	Abundant
Wild Mooth	<i>Phynchosia minima</i>	<i>Rhynchosia minima</i>	Wild	Abundant
Wild Kulthi	<i>Atylosia scarabaeoides</i>		Wild	Abundant
Spiral Ginger	<i>Cheilocostus speciosus</i>	<i>Zingiber officinalis</i>	Wild	Abundant
Wild Palak	<i>Ajuga reptans</i>	<i>Brassica oleracia</i>	Wild	Abundant
Geranium	<i>Geranium wallichiana</i>	<i>Geranium platypetalum</i>	Wild	Abundant
Wild haldi	<i>Curcuma aromatica</i>	<i>Curcuma aromatica</i>	Wild	Abundant
Wild karela	<i>Cydanthera pedata</i>	<i>Momordica charantia</i>	Wild	Abundant
Wild Strawberry	<i>Fragarai nubicola</i>	<i>Fragaria ananassa</i>	Wild	Abundant
Wild Musroom	<i>Agaricus bisporus</i>	<i>Agaricus bisporus</i>	Wild	Abundant
Batangi	<i>Pyrus serotina</i>	<i>Pyrus pashia</i>	Wild	Abundant
Wild Tobbacoo	<i>Verbascum thapsus</i>	<i>Nicotiana</i>	Wild	Abundant
Wild Isbagool	<i>Plantago Spp</i>	<i>Plantago major</i>	Wild	Abundant

	6	7	8	9	10
is	Uses (usage)	Part Used	Associated TK	Other details	Community / Knowledge holder
Present					
Declined	Edible fruit	Fruit	Used to cure chronic cough	Domestic use	Local People
Declined	Edible fruit	Fruit		Domestic use	Local People
Fairly available	Edible fruit	Fruit	Pickle	Domestic use	Local People
Declined	Pulses	Seed	Pulses	Domestic use	Local People
Declined	Pulses	Seed	Pulses	Domestic use	Local People
Rare	Spices	Rhizome	Used as substitute of ginger	Domestic use	Local People
Rare	Edible leaf	Leaf		Domestic use	Local People
Rare	Fragrance	Flower		Domestic use	Local People
Rare	Spices	Rhizome	Used as substitute of Haldi	Domestic use	Local People
Rare	Vegetable	Fruit	Used as substitute of Bitter guard	Domestic use	Local People
Rare	Edible fruit	Fruit	Eaten raw	Domestic use	Local People
Rare	vegetable	Whole plant	Used as vegetable	Domestic use	Local People
Declined	Edible fruit	Fruit		Domestic use	Local People
Declined	Smoking	Whole plant		Domestic use	Local People
Abundant	Lexative	Flower		Domestic use	Local People

Format 24: Ornamental Plants

1	2	3	4	5
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-commercial Uses
Amaltas	<i>Cassia fistula</i>	Wild	Wild	Ornamental/Medicine
Cheeseberry	<i>Rubus ellipticus</i>	Wild	Wild	Ornamental/Medicine
Paper mulberry	<i>Broussonetia papyrifera</i>	Wild	Wild	Ornamental/Medicine
Garden violet	<i>Viola odorata</i>	Wild	Wild	Ornamental/Medicine
Indian Borage	<i>Trichodesma indicum</i>	Wild	Wild	Ornamental/Medicine
South african daisy	<i>Senecio inaequalis</i>	Wild	Wild	Ornamental/Medicine
Thistle	<i>Sonchus asper</i>	Wild	Wild	Ornamental/Medicine
Califirma leccerne	<i>Melilotus indicus</i>	Wild	Wild	Ornamental/Medicine
Melancholy thistle	<i>Cirsium heterophyllum</i>	Wild	Wild	Ornamental/Medicine
Fine leaf fumitory	<i>Fumaria pasriflora</i>	Wild	Wild	Ornamental/Medicine
Spanish needle	<i>Pteris pilosa</i>	Wild	Wild	Ornamental/Medicine
Physicrat	<i>Jatropha curcas</i>	Wild	Wild	Ornamental/Medicine
Datura	<i>Datura metel</i>	Wild	Wild	Ornamental/Medicine
Chain of love	<i>Antigonon leptopus</i>	Wild	Wild	Ornamental/Medicine
Iry guard	<i>Coccoloba grandis</i>	Wild	Wild	Ornamental/Medicine
India licorica	<i>Abrus precatorius</i>	Wild	Wild	Ornamental/Medicine
Wild Ocimum	<i>Leucas aspera</i>	Wild	Wild	Ornamental/Medicine
Beggar ticks	<i>Bidens frondosa</i>	Wild	Wild	Ornamental/Medicine
Fern	<i>Adiantum pedatum</i>	Wild	Wild	Ornamental/Medicine
Kamala tree	<i>Mallotus philippensis</i>	Wild	Wild	Ornamental/Medicine
Wild strawberry	<i>Fragaria vesca</i>	Wild	Wild	Ornamental/Medicine
Chinese violet	<i>Telosma cordata</i>	Wild	Wild	Ornamental/Medicine
Tobacco	<i>Nicotiana glauca</i>	Wild	Wild	Ornamental/Medicine
Interrupted fern	<i>Osmunda claytoniana</i>	Wild	Wild	Ornamental/Medicine
Yellow fruit night shade	<i>Solanum elaeagnifolium</i>	Wild	Wild	Ornamental/Medicine
Obscure morning glory	<i>Ipomoea obscura</i>	Wild	Wild	Ornamental/Medicine
Slender water vine	<i>Cayratia trifolia</i>	Wild	Wild	Ornamental/Medicine
Indigo	<i>Indigofera tinctoria</i>	Wild	Wild	Ornamental/Medicine
Morning glory bush	<i>Ipomoea pes-caprae</i>	Wild	Wild	Ornamental/Medicine

Common prickly pear	<i>Opuntia monacantha</i>	Wild	Wild	Ornamental/Medicine
Oleander	<i>Nerium oleander</i>	Wild	Wild	Ornamental/Medicine
Jhkhiya	<i>Cleome viscosa</i>	Wild	Wild	Ornamental/Medicine
Awna	<i>Boerhavia repens</i>	Wild	Wild	Ornamental/Medicine
Tiger's clen	<i>Martymia annua</i>	Wild	Wild	Ornamental/Medicine

-----		Local people
-----		Local people
-----		Local people
-----		Local people
-----		Local people

Format 25: Fumigate / Chewing Plants

1	2	3	4	5	6
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local Status
					Past
Shrub	Nimbu	<i>Citrus lemon</i>		Slopy/plain	Rare
Herb	Puthkanda	<i>Achyranthes aspera</i>		Hilly	Adundunt
Shrub	Lemon Grass	<i>Cymbopogon citrates</i>		Plain	Adundunt
Herb	Thoom	<i>Allium sativum</i>		Plain	Adundunt
Herb	Adhrak	<i>Zingiber officinale</i>		Plain	Rare
Tree	Simbloo	<i>Berberis lyceum</i>		Hilly	Rare
Herb	Gungloo	<i>Brassica rapa</i>		Plain	Rare
Shrub	Bhang	<i>Cannibus sativa</i>		Hilly /plain	Adundunt
Tree	Papita	<i>Carica papaya</i>		Plain	Rare
Herb	Haldi	<i>Curcuma longa</i>		Hilly	Rare
Shrub	Brenker	<i>Adhatoda vasica</i>		Hilly	Adundunt
Shrub	Geloy	<i>Tinospora cardifolia</i>		Plain/hilly	Adundunt
Herb	Puthkanda	<i>Achyranthes aspera</i>		Hilly	Adundunt
Tree	Khair	<i>Acacia catechu</i>		Hilly	Adundunt
Herb	Payaz	<i>Allium cepa</i>		Plain	Adundunt
Herb	Ashavgandha	<i>Withania sominifera</i>		Plain/slopy	Adundunt

5	7	8	9	10	11
	Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
Present					
Abundant	As food	Fruit	Vit.c source		Local people
Abundant	Medicine	Leaves	Aesthetic value		Gujjar
Rare	Medicine	Leaves	.....		Gujjar
Rare	Food	Bulb	High b.p		Gujjar
Abundant	Food	Root	Digestion		Bakerwal
Rare	Medicine	All	Diabetis		Mix
Rare	Food	Root	Veg.		Locals
Abundant	Medicine	Leaves	Sedative		Locals
Rare	Food	Fruit	Fruit		Locals
Rare	Food	Root	Antiseptic		Locals
Abundant	Medicine	Leaves	preservative		Locals
Abundant	Medicine	Stem	Pharmaceutical		Locals
Abundant	Medicine	Leaves	Aesthetic value		Gujjar
Abundant	Timber	Stem	Conjunctivitis		Bakerwal
Abundant	Food	Stem	Diabetis		Gujjar
Rare	Medicine	All	Skin treatment		Locals

Format 26: Timber Plants

1	2	3	4		5
Local Name	Scientific Name	Habitat	Local Status		Other Uses, if any
			Past	Present	
Chir	<i>Pinus roxburghii</i>			Present	Resin
Tun	<i>Tuna Ciliata</i>			Present	Timber
Drek	<i>Melia Azadirach</i>			Present	Medicinal
Toot	<i>Morus Alba</i>			Present	Timber
Tali	<i>Dalbergia Sisoo</i>			Present	Timber
Safeda	<i>Eucalyptus globulus</i>			Present	E. Oil
Khirak	<i>Celtis sinesis</i>			Present	Timber
Simbal	<i>Bombax ceiba</i>			Present	Cotton fiber
Fly	<i>Acacia modesta</i>			Present	Medicinal
Khir	<i>Acacia catechu</i>			Present	Medicinal
Kamila	<i>Mallotus philippensis</i>			Present	Medicinal
Kambel	<i>Lenea coromevel</i>			Present	Timber

6	7	8
Associated TK	Other Details	Community/ Knowledge Holder
Timber		Bakerwal and local public
Cotton fiber		Local natives of area
Timber		Local natives of area
Fruit		Local natives of area
Timber		Local natives of area
Timber		Local natives of area
Edible seed		Local natives of area
Timber		Local natives of area
Timber		Local natives of area
Timber		Local natives of area
Timber		Local natives of area
Timber		Local natives of area

Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others)

1	2	3	4	5	6	7
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status
						Past
Carnivore	Eil	<i>Aegyptius monachus arboreal</i>		Bird		
Herbivore	Titli	<i>Précis hierta arboreal</i>		Insect	summer	
Omnivore	Trida	<i>Poecilocerus pictus</i>		Insect	All season	
Omnivore	Murga	<i>Gallus galus</i>		Bird	All season	
Carni	Kaag	<i>Corvus splendens</i>		Bird	All season	
Omni	Papiya	<i>Clamotor jacopines</i>		Bird	All season	
Carnivore	Demak	<i>Calotermes domesticus</i>		Insect	All season	
Carnivore	Kronkal	<i>Scolopendra morsitans</i>		Insect	summer	
Herbivore	Khargosh	<i>Lepus nigricolis</i>		Mammal	All season	
Carnivore	Chamgadard	<i>Pteropus gigantea</i>		Mammal	summer	
Carnivore	Mynah	<i>Acridotheres tristis</i>		bird	All season	
Carnivore	Gedhad	<i>Canis aureus</i>		Mammal	All season	
Omnivore	Gilhari	<i>Fanambulus pennati</i>		Mammal	All season	
snail	Chakki	<i>Helix aspera</i>		Insect	rainy season	
Omnivore	Bagla	<i>Bubalcuribis</i>		Bird	All season	
Carnivore	Mendak	<i>Rana tigrina</i>		Amphibian	All season	
Herbivore	Madhumakhi	<i>Apis dorsata</i>		Insect	summer	
Omnivore	Moor	<i>Pavo cristatus</i>		Bird	All season	
Carnivore	Saamp	<i>Naja naja</i>		Reptile	summer	
Omnivore	Bander	<i>Simiformes catarrhini</i>		Mammal	All season	
Bird	Eurasian Eagle Owl	<i>Bubo bubo</i>	Forest	Bird	All season	Abundant
Bird	Oriental Magpie Robin	<i>Copsychus sauloris</i>	Forest	Bird	All season	Abundant
Bird	Scaly breasted munia	<i>Lonchura punctulate</i>	Forest	Bird	All season	Abundant

Bird	Long tailed minivet	<i>Pericrocotus ethologus</i>	Forest	Bird	All season	Abundant
Bird	Eurasian collared dove	<i>Streptopelia decaocto</i>	Forest	Bird	All season	Abundant
Bird	Slaty headed parakeet	<i>Psitacula himalayana</i>	Forest	Bird	All season	Abundant
Bird	Yellow billed blue Magpie	<i>Urocissa flavirostris</i>	Forest	Bird	All season	Abundant
Bird	Himalayan Swiftlet	<i>Aerodramus brevirostris</i>	Forest	Bird	All season	Abundant
Bird	Asian koel	<i>Eudynamys scolopaceus</i>	Forest	Bird	All season	Abundant
Bird	Hair creasted drongo	<i>Dicrurus hottentottus</i>	Forest	Bird	All season	Abundant
Bird	Brown crake	<i>Drongo zepornia akool</i>	Forest	Bird	All season	Abundant
Bird	Jungle prinia	<i>Prinia sylvatica</i>	Forest	Bird	All season	Abundant
Bird	Black red start	<i>Phoenicurus ochruros</i>	Forest	Bird	All season	Abundant
Bird	White breasted weterhen	<i>Amaurornis phoenicurus</i>	Forest	Bird	All season	Abundant
Bird	Eurasion Hoopoe	<i>Upupa epops</i>	Forest	Bird	All season	Abundant
Bird	Barn Swallow	<i>Hirundo rustica</i>	Forest	Bird	All season	Abundant
Bird	White tailed eagle	<i>Haliaeetus albicilla</i>	Forest	Bird	All season	Abundant
Bird	Bron snake eagle	<i>Circeatus cinereus</i>	Forest	Bird	All season	Abundant
Bird	Himalaya Prinia	<i>Prinia crinigera</i>	Forest	Bird	All season	Abundant
Bird	Blue throated barbet	<i>Psilopogen asiaticus</i>	Forest	Bird	All season	Abundant
Bird	Black francolin	<i>Francolinus francolinus</i>	Forest	Bird	All season	Abundant
Bird	Shikra	<i>Accipiter badius</i>	Forest	Bird	All season	Abundant
Bird	Yellow throated sparrow	<i>Gymnoris xanthocollis</i>	Forest	Bird	All season	Abundant

Bird	Khalij pheasant	<i>Lophura leucomelanos</i>	Forest	Bird	All season	Abundant
Bird	India roller	<i>Coracias benglodensis</i>	Forest	Bird	All season	Abundant
Bird	Pied bushchat	<i>Saxicola caprate</i>	Forest	Bird	All season	Abundant
Bird	Oriental honey buzard	<i>Pernis ptiloshynchus</i>	Forest	Bird	All season	Abundant
Bird	Long billed crow	<i>Corvus macrorhynchos</i>	Forest	Bird	All season	Abundant
Bird	White throated kingfisher	<i>Halcyon smyrnensis</i>	Forest	Bird	All season	Abundant
Bird	Cattle egret	<i>Bubulcus ibis</i>	Forest	Bird	All season	Abundant
Bird	Cinereous tit	<i>Parus cinereus</i>	Forest	Bird	All season	Abundant
Bird	Rufous treepie	<i>Dendrocitta vagabunda</i>	Forest	Bird	All season	Abundant
Bird	Black drongo	<i>Dicrurus macrocercus</i>	Forest	Bird	All season	Abundant
Bird	India grey hornbill	<i>Ocyrceros birostris</i>	Forest	Bird	All season	Abundant
Bird	Common myna	<i>Acridotheres tristis</i>	Forest	Bird	All season	Abundant
Bird	Purple sunbird	<i>Cinnyris corone</i>	Forest	Bird	All season	Abundant
Bird	Blue whistling thrush	<i>Myophonus caeruleus</i>	Forest	Bird	All season	Abundant
Bird	Fulious brrasted wood peclear	<i>Dendrocopos macci</i>	Forest	Bird	All season	Abundant
Bird	Greater coucal	<i>Centropus sinensis</i>	Forest	Bird	All season	Abundant
Bird	Grey hooded warbler	<i>Phylloserpus xanthosehistos</i>	Forest	Bird	All season	Abundant
Bird	Rock Pigeon	<i>Columba livia</i>	Forest	Bird	All season	Abundant
Bird	Rose ringed parakeet	<i>Psittacula urameri</i>	Forest	Bird	All season	Abundant
Bird	Grey francolin	<i>Ortygrnis pondicerianus</i>	Forest	Bird	All season	Abundant

Bird	Red capped red start	<i>Phoemicurus leueocephala</i>	Forest	Bird	All season	Abundant
Bird	House Crow	<i>Corvus splendens</i>	Forest	Bird	All season	Abundant
Bird	Chir Pheasant	<i>Catreus wallichii</i>	Forest	Bird	All season	Abundant
Bird	Sarkeer markoha	<i>Phaenicophaeus laschena</i>	Forest	Bird	All season	Abundant
Bird	Pea Fowl	<i>Pavo cristatus</i>	Forest	Bird	All season	Abundant
Animal	Barking Dear	<i>Muntiacus</i>	Forest	Animal	All season	Abundant
Animal	Rabbit	<i>Oryctolagus cuniculus</i>	Forest	Animal	All season	Abundant
Animal	Wild boar	<i>Sus scrofa</i>	Forest	Animal	All season	Abundant
Bird	House sparrow	<i>Passer domesticus</i>	Forest	Bird	All season	Abundant
Animal	Fox	<i>Vulpes</i>	Forest	Bird	All season	Abundant

7	8	9	10	11	12
Status	Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
Present					
Very rare	Scvanger		nil		Local natives of area
Present	Nector collector		nil		Locals
Present	Pollination		nil		Locals
Present	Eggs		nil		Bakerwal
Present	Bioremediation		nil		Bakerwal
Present	Pollination		nil		Locals
Present	Decomposer		nil		Locals
Present	Decomposer		nil		Locals
Present	Meat		nil		Locals
Present	pollination		nil		locals
Present	Pollination		nil		Locals
Present	Carnivorus		nil		Locals
Present			nil		Locals
Present	Pollination		nil		Locals
Present	Scavenger		nil		Locals
Present	Scavenger		nil		Locals
Present	Honey		nil		Locals
Present	Aesthetic value		nil		Locals
Present	.....		nil		Locals
Present	.....		nil		Locals
Rare	.....		Nil		Locals
Abundant	.....		Nil		Locals
Abundant	.....		Nil		Locals

Abundant	.....		Nil		Locals
Abundant			Nil		Locals
Rare			Nil		Locals
Rare			Nil		Locals
Abundant			Nil		Locals
Abundant			Nil		Locals
Abundant			Nil		Locals
Abundant			Nil		Locals
Rare			Nil		Locals
Abundant			Nil		Locals

Format 31: Any other information of local importance

1	2
Sr. No.	Information of local

During the meetings with number of local people, we have observed that there is drastic change in the area. Some of the species have become rare whereas some have increased their population. Fowl, Peacock, Jackals have increased. They told that there is no hunting in the area due to the increase in their population. They have told that now, pigs and peacocks are often seen in the area. **few species have either extincted or have decreased drastically. House sparrow, Vulture, Markoha, Indian Cow, Oxen, Buffs have very drastically declined.** The demand for buffalo has increased among the cattle rearing community. The production of Anardana has decreased due to the lack of available solution from the boreer have been known to the farmers. He also said that there are almost 10 local varieties of mango but today only two or three are there rest have totally disappeared from the jurisdiction of panchayat. Local Amla, Citrus like Kimb, Nimbu, Galgal have been replaced by mushroom which is locally known as "Dabbee" is the chance game now, which was abundant. He has reported that the population of Palash (*Buta monosperma*) has been decreased drastically and is not available in the entire jurisdiction of Sunderbani .

They have reported that the population of various varieties of Mango, Citrus, Pulses, Palas, cow and buffaloes. Whereas the population of Goat and Chicken has decreased but Poultry chicken have increased . *The information was mainly from PRI, Old peoples of the village, Gujjar and Bakarwals and teacher community.*

3
Remarks

change in both flora and fauna of
lation. Species like Red Jungle
to which these species have
e farm fields. **On the other hand**
ulture, hoppie, Sarker
of Leucenia Spp have increased
he borer attack on the unripe fruit.
at once upon a time there was
y extincted from the entire
iced with hybrid varieties. Wild
ndant once upon a time.They
stically , only few trees are

ave urged to conserve the local
t and Sheep have increased. Indian
y shared by members of BMC,