

## People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: KOTDHARA
Taluk:RAJOURI
District:Rajouri
State:Jammu And Kashmir
Geographical Area of the Panchayat Samiti: 970.32
Population under the Panchayat Samiti: Total 3394
Male: 1747      Female:: 1647      Total: 3394
Habitat and Topography:Hilly
Climate (Rainfall, Temperature and weather patterns): Temperate
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)

## Annexure 1

<b>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)</b>	
1)Name of the Chairperson: Shaheen Akhter (Sarpanch)	
Age: 49 Yrs	
Gender: Female	
Address: Kotdhara	
Area of specialization:	
2) Name: Mohd Khaliq	
Age: 48 yrs	
Gender: Male	
Address :Kotdhara	
Area of specialization:	
3)Name: Zatoon Begum	
Age: 48 yrs	
Gender: Female	
Address:Kotdhara	
Area of specialization:	
4)Name:: Bagh Hussain	
Age: 52 yrs	
Gender:Male	
Address: Kotdhara	
Area of specialization:	
5)Name:: Mohd Amin	
Age: 55 yrs	
Gender::Male	
Address:Kotdhara	
Area of specialization:	
6)Name:: Naseem Chowdhary	
Age: 26 yrs	
Gender: Female	
Address: Kotdhara	
Area of specialization:	
7)Name: Mlohd Zaman (Secretary)	

Age: 46 yrs
Gender: Male
Address: C/o BDO Rajouri
Area of specialization:

## Annexure-2

List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village
1) Name : Haji Majeed Chowdhary
Age:50 Yrs
Gender: Male
Address :Sawani ( Kotedhara w.no. 05)
Area of specialization: farmer
Location from which the person accesses biological material: Locals
Perception of the practitioner on the resource status: Tradational Health ( good quantity)
Medicinal Use: dry leaves of peepal, roots of Ambla to cure indigestion.
2) Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
3) Name:
Age:
Gender:
Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

### Annexure 3

**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: Dilmir S/o Akal Din

Age: 56 yrs

Gender: Male

Address: R/o Kotdhara

Area of specialization: Agriculture/Horticulture

2) Name of the Chairperson: Mohd Azam

Age: 58 yrs

Gender: Male

Address: R/o Kotdhara

Area of specialization: Agriculture/Horticulture

3) Name of the Chairperson: Gori Shanker

Age: 48 yrs

Gender: Male

Address: R/oKotdhara

Area of specialization: Agriculture



## 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: Mohd Zaman (Secretary Panchayat)

Name and Address: Panchayat Kotdhara

2) Contact Person:

Name and Address:

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

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



**Annexure 5**

**Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefit derived and the mode of their sharing**

<b>S.No</b>	<b>Name and address of the Person/Institute/company others</b>	<b>Local and Scientific Name of the biological material Accessed and quantity</b>	<b>Date and resolution of the BMC and endorsement by the Panchayat</b>	<b>Detail of collection fee imposed</b>	<b>Anticipated mode of sharing benefits or quantum of benefits shared</b>

*End of Part I*

**FORMAT-1: CROP PLANTS**

S.No	Crop	Scientific Name	Local Name	Variety	Land Scape / Habitat	Approx area sown	Local Status		Special feature	Cropping season	Uses	Associated TK	Other Details	Source of seeds /Plants
							Past	Present						
1	Maize	<i>Zea mays</i>	Makka	Rasi4794, Kh517, Kh-612, DD	Hilly & lower hills		Plenty	Plenty	HYV, Resistant to draught and lodging	Kharif	Food /Fodder	Stapple food		Agri Dept.
2	Wheat	<i>Triticum aestivum</i>	Gandam	Raj 3765, HD 2967, HD 3086,	Hilly & lower hills		Plenty	Plenty	HYV, Draught resistant, Shaort duration	Rabi	Food / Fodder	Stapple food		Agri Dept.
3	Mustard	<i>Brassica juncea</i>	Sarson	Pusa bold, Gobi Sarson	Cool & dry		Normal	Normal	Matures in 145-150 days with 40-42 % oil content	Rabi	Source of energy	vegetable Oil extracted from seeds used in cooking	oil for Food	Agri Dept.
<b>Vegetables</b>														
a	OKRA	<i>Avenmoschus esculentus</i>	Bhindi	Arka Anamika, Versha Uphar, PS, PK,	sub tropical		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	Agri Dept/ Local
b	Brinjal	<i>Solanum melongena</i>	Bangun	PPL,PPC, PH4, BR112	sub tropical		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	Agri Dept/ Local
c	Brottle Gourd	<i>Legenaria siceraria</i>	Kaddu	PSPL, Punjab Komal	sub tropical		Normal	Normal	Green Veg	Rabi	Swollen stem and leaves are consumed as vegetable	Source of minerals & energy	-	Agri Dept/ Local
d	Cauliflower	<i>Brassica oleracae var.botrytis</i>	Ful gobi	Pusa Snow Ball, Pusa Katki, Girja	sub tropical		Normal	Normal	-	Rabi	Curd used as vegetable	Also good source of protein,carbohy drate, phasphorus & iron	-	Agri Dept/ Local
e	Cabbage	<i>Brassica oleracae var.capitata</i>	Band gobi	Golden Acre, Pride of India, Green Flesh	sub tropical		Normal	Normal	Round head green colour	Rabi	Head used as vegetable, salad	Also good source of protein,carbohy drate,phasphorus & iron	-	Agri Dept/ Local

f	Tomato	<i>Solanum lycopersicum</i>	Tamater	Pusa Rubi, Pusa Early Dwarf, Manisha Plus/ local	sub tropical		Normal	Normal	-	Kharif	Rich in Ascorbic acid	Tomatoes are rich in iron & vitamins A and C, calcium, potassium.	Used as Vegetable, Salad, Soup	Agri Dept/ Local
g	Onion	<i>Allium cepa</i>	Pyaj	Pusa Red, Nasik Red, N-53, Liberty	sub tropical		Normal	Normal	-	Rabi	Vegetable & Salad use	Good source of dietary fiber, Vitamin B6, C, Potassium and folic acid.	-	Agri Dept/ Local

### Format 2: Fruit Plants

Plant	Scientific Name	Local Name	Variety	Landscape/ Habitat	Local Status		Source of Seed /Plants	Season of Fruiting	Associated TK	Uses	Other details market/Own use	Communicate/ Knowledge holder
					Past	Present						
Mango	<i>Mangifera indica</i>	Aam	Desi, Dusheri, Malda	subtropical	Plenty	Plenty	Nurseries	June-August		Fruit, Pickling, Preserves	Marketing, own use	
Citrus fruits	<i>Citrus Spp.</i>	Khatti, Galgal, Nimbu, Santra, Kinnow, Mosambi etc.	Local selection, Kagzi Lime, Italian Lime, Hill Lemon etc.	subtropical, mid hills	Plenty	Plenty	Nurseries	through out year		Fruit, Pickling, Squashes etc.	Marketing, own use	
Guava	<i>Psidium guajava</i>	Amrood	Local, L-49, Allahabadi Safeda etc.	subtropical	plenty	plenty	Nurseries	July-August		Fruit	Marketing, own use	
Grapes	<i>Vitis Vinifera Michx.</i>	Angoor	Local Dakh, Perlette,	subtropical, Mid hills	rare	rare	Nurseries	July-August		Fruit		
Aonla	<i>Phyllanthus emblica</i>	Ambla	Local selection, NA-7	subtropical	plenty	plenty	Nurseries, local collection	Nov-Dec		Pickling, Preserves, Juices etc.	Marketing, own use	
Ber	<i>Zizyphus mauritiana lamk.</i>	Ber	gola, Banarasi	subtropical	plenty	rare	local raised	July-August		Fruit	own use	
Jamun	<i>Syzygium cumini Skeels</i>	Jamun	local selection	subtropical	rare	rare	Nurseries, locally raised	July-August		Fruit	own use	

Pomegranate	<i>Punica granatum</i>	Anar, Druni	Ganesh, Kandhari, Local	subtropical, mid hills	rare	rare	Nurseries, locally raised, wild	May-August		Fruit, anardana	own use	
Apple	<i>Malus x domestica</i> <i>Borkh.</i>	Sabe	Red Delcious, Golden Delocious, Maharaji, American etc.	Temperate	rare	plenty	Nurseries	Aug- Oct.		fruit, value addition	Maketing , own use	
Pear	<i>Pyrus spp.</i>	Nakh	Patharnakh, China pear	Mid hill	plenty	plenty	Nurseries	Aug-Sept		Fruit	own use	
Peach	<i>Prunus persica(L.)</i> <i>Batsch.</i>	Aaroo	July Elberta, Quetta	mid hill	rare	rare	Nurseries	June-July		Fruit	Maketing , own use	
Apricot	<i>Prunus armeniaca</i>	Khubani, Sadi	local apricot, Bebco	Mid hills	plenty	plenty	Nurseries	June-July		Fruit	own use	
Walnut	<i>Juglans regia</i>	Akrote	Burzal, Kagzi, hard shelled	Temperate	plenty	plenty	Nurseries, locally raised	sept-Oct		Dry fruit	Maketing , own use	
Plum	<i>Prunus salicina</i>	Aaloo Bukhara	santa rosa, Allubukhara	Mid Hills	Rare	Rare	Nurseries, locally raised	July-August		fruit	Maketing , own use	
Persimmon	<i>Diospyrus kaki</i>	Amlook	Local	Mid hills /Temperate	rare	rare	locally raised	July-August		fruit	Marketing	
Olive	<i>Olea europea</i>	Khao, jaiton	Local, Carotina	Mid hills /Temperate	rare	rare	locally raised	August- October		fruit	Marketing	

Papaya	<i>Carica papaya</i>	papita	local	subtropical	rare	rare	nurseires, locally raised	August- October		fruit	own use	
Banana	<i>Musa paradisiaca</i>	kela	local	subtropical	rare	rare	locally raised	June-August		Fruit	own use	

### FORMAT-3; FODDER CROPS/SPICES

S.No	Plant	Scientific Name	Local Name	Land Scape/ Habitat	Local Status		Source of plants/ seeds	Associated TK	Part Used	Other details	Community/ Knowledge holder
					Past	Present					
1	Oats	<i>Avena sativa</i>	Javi	sub tropical	Rare	Rare	Agri Dept /Local	Nutritious & palatable fodder,	Whole plant	Suitable for fodder	Farmers
2	Sorghum	<i>Sorghum spp</i>	Charry/ Jawar	sub tropical	Rare	Plenty	Agri Dept /Local	Source of energy	Whole plant	Suitable for fodder	Farmers
3	Barseem	<i>Trifolium alexandrinum</i>	Shatala	sub tropical	Rare	Rare	Agri Dept /Local	Nutritious & palatable fodder	Whole plant	Suitable for fodder	Farmers
4	Chilli	<i>Capsicum annum</i>	Mirch	sub tropical	good	good	Agri Dept /Local		Dry fruit	Contains good ammount of vitamin A&C	Farmers
5	Garlic	<i>Allium Sativum</i>	Thoom	sub tropical	good	good	Agri Dept /Local	Medicinal value	Clove	Spice use	Farmers
6	Dhamman	<i>Grewia tillifolia</i>		sub tropical	good	good	wild	Fodder	Twings		Farmers
7	Banjh oak	<i>Queruis lemothrichophora</i>		sub tropical	good	good	wild	Fodder	Twings		Farmers
8	Drake	<i>Melia adadrach</i>		sub tropical	good	rare	wild	Fodder	Twings		Farmers
9	Tooni	<i>Toona ciliata</i>		Temperate	good	rare	wild	Fodder	Twings		Farmers

10	Maize	<i>Zea mays</i>		Temperate	good	good	Agri Dept	Fodder	Whole		Farmers
11	Wheat	<i>Triticum aestivum</i>		Temperate	good	good	Agri Dept	Fodder	Whole		Farmers
12	cherry	<i>Prunus avium</i>		Temperate	good	good	Agri Dept	Fodder	Whole	contain energy	Farmers



**FORMAT-4 : WEEDS**

S.No	Plant	Scientific Name	Local Name	Affected Crop	Impact	Land Scape / Habitat	Local Status		Uses if Any	Management Options	Associated TK	Other details like exotic	Community / Knowledge holder
							Past	Present					
1	Guli Danda	<i>Philaris minor</i>	Sitti	Wheat	Compete with crop	sub tropical	Plenty	Plenty	Nil	Chemical / Manual Control	Source for High quality protein	Local	Farmers
2	Parathenium	<i>Parthenium hysterophorus</i>	Congress grass	All crops	Allelopathy effect, reduce yield	sub tropical	Rare	Plenty	Nil	Chemical / Manual Control	Abnoxious weed difficult to manage	Exotic	Farmers
3	Bathua	<i>Chinopodium album</i>	Bathua	Wheat, Vegetables	Compete with main crops for space and nutrients	sub tropical	Plenty	Plenty	Leavy vegetable	Chemical Control	Rich Source of protein, Vit. A, Calcium , Phosporous & potash	Used as green vegetable	Farmers
4	Wild Oats	<i>Avena spp.</i>	Jungli Javi	Wheat	Compete with main crops for space and nutrients	sub tropical	Plenty	Plenty	Green Fodder for animal	Chemical / Manual Control	Source for High quality protein	Local	Farmers
5	Bhang	<i>Cannabis sativa</i>	Bhang	Maize, Wheat, Vegetables	Allelopathy effect, Compete with crops	sub tropical	Plenty	Plenty	psychoactive effects	Chemical / Manual Control	intoxicating causes dehydration, nausea and headache	Local	Farmers
6	Barnyard grass	<i>Achinocloa crusgalli</i>	Swanki	Rice/Maize	Compete with crops	sub tropical	Plenty	Plenty	Fodder & Animals	Chemical / Manual Control	nil	Local	Farmers
7	Nut Grass	<i>Cyprus rotundus</i>	Dilla/Motha	Paddy,maize, vegetable	Perennial	Agri. & Non Agri. Land	Plenty	Plenty	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine	Farmers

### FORMAT 5: PESTS OF CROPS

S.No	Host	Insect/ Animal	Scientific Name	Local Name	Habitat	Time/ Season of Attack	Management mechanism	Associated TK	Other details	Community Knowledge Holder
1	Rice	Rice Hispa	<i>Dicladispa armigera</i>	Kali Pundi	sub tropical	Kharif	Chemical control	-	Feed on crop leaves	Farmers
2	Rice	Stem Borer	<i>Scirepophaga incertulas</i>	Dhain ka Kida	sub tropical	Kharif	Chemical control	-	Feed on crop leaves	Farmers
3	Maize	Blister Beetle	<i>Mylabris phalerata</i>	Bhundi	sub tropical	Kharif	Chemical control	-	Feed on crop leaves	Farmers
4	Maize	Cut Worm	<i>Agrotis spp</i>	Makki da kida	sub tropical	Kharif	Chemical control	-	Feed on crop leaves	Farmers
5	Maize	Maize stem Borer	<i>Chilo partellus</i>	Sundi	sub tropical	July to sept	Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers
6	Maize/Wheat	Termite	<i>Odentotermes obesus</i>	Sink	sub tropical	Kharif/ Rabi	Chemical control	-	Feed on crop leaves	Farmers
7	Brijal/ Tomato	Fruit Borer	<i>Helicoverpa armigera</i>	Sundi	sub tropical	Kharif	Chemical control	-	Feed on crop leaves	Farmers
8	Wheat, Maize, Rice	Rat	<i>Tatera indica</i>	Chuha	sub tropical	Kharif/ Rabi	Chemical control	-	Feed on crop leaves	Farmers
9	Miaze, Potato	Porcupine	<i>Erethizon dorsatum</i>	Seh	sub tropical	Kharif/ Rabi	NA	-	Feed potato tubers, vegetales and cobs	Farmers
10	Maize,Wheat, Fruits, vegetable	Monkey	<i>Macaca mulatta</i>	Bander	sub tropical	Kharif/ Rabi	NA	-	Feed on Fruits and green vegetables, cobs	Farmers
11	Mustard	Aphid	<i>Lipaphis erysimi</i>	Aphid/ Tella	sub tropical	Dec-March	Chemical control	-	Nil	Farmers

**Format 6: Markets for Domesticated Animals**

1	2	3	4	5	6	7	8	9
Name of the markets & location	Weekly (D)/ Fornightly (D)/ Monthly (D)/ Biannual (M) Annual (M) {1}	Type of Animals brought and sold {2}	Types and average Number of animals transacted in a day	Place from which animals are brought	Place to which the animal animals are sold/transported	Name and location of fish market	Type of fishes solid	Source of fish
Gujjar Mandi Rajouri	All days	sheep goats	10-May	Nearby	Gujjar Mandi Rajouri			

### Format 7: Peoplescape

1	2	3	4	5	6	7	8	9	10	11
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs
Hindu's	Mix	agriculture		khariel and Ravi	Traditional and modern		Brahmin	good		
Muslim	Mix	agriculture					OBC,SC, ST	good		

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

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

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

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

**Format 8:Landscape**

Format 8:Landscape													
1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub-Landscapes	features and approx. area	Ownership	General flora	General Fauna	User Groups	Management Practices	General Uses	Associated TK	Other details	Community accessed
Agriculture	Pond	Fallow land											
30-40%	50-60%			Tarraus & Hilly	forest	Tali	Jackal	All community	Traditional & Modern				Hindu
					private state land	Kachnar	fox						Muslim
						chir	Deer						
						Banj oak	Snake						
							Fowl						



**Format 10 : Soil Type**

1	2	3	4	5	6	7	8
soil Type	Colour & texture	features	Soil Management	Plants/Crop suitable	flora and fauna	Associated Tk	Other Information
Mountain	gravels	Rough	Traces	Trees	Taali, oak, chir		
sandy	mix	moist	Traces	Plants	Trimbal,ambla		
clay	five	moist	Traces	crops	Jackal, crow, deer		

### Format 11: Fruit Trees

1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
	Mango	<i>Mangifera indica</i>		Sub-mountain	good	good	Agri.Dept					Farmers
	Peach	<i>Prunus persica</i>		Sub mountain	good	good	Agri-Dept					Farmers
	Pear	<i>Pyrus spp.</i>		Sub mountain	good	good	Agri-Dept					Farmers
	Apricot	<i>Prunus armeniaca</i>		Sub mountain	good	good	Agri-Dept					Farmers
	Ambla	<i>Phyllanthus embilica</i>		Sub mountain	good	good	Agri-Dept					Farmers
	Walnut	<i>Juglan regia</i>		Sub mountain	good	good	Agri-Dept					Farmers
	Amlook	<i>Diospyros</i>		Sub mountain	good	good	Agri-Dept					Farmers
	Guava	<i>Psidium gujava</i>		Sub mountain	good	good	Agri-Dept					Farmers



	Girgil	<i>Citrus pseudolimon</i>		Sub mountain	good	good	Agri-Dept					Farmers
	Nimbu	<i>Citrus aurantifolia</i>		Submountain	good	good	Agri-Dept					Farmers
	Banana	<i>Musa paradisiaca</i>		Submountain	good	good	Agri-Dept					Farmers
	Plum	<i>Prunus domestica</i>		Submountain	good	good	Agri-Dept					Farmers
	Orange	<i>Citrus sinensis</i>		Submountain	good	good	Agri-Dept					Farmers
	Timbru	<i>Zanthoxylam</i>		Submountain	good	good	Agri-Dept					Farmers
	Trimbal	<i>Ficus raremosa</i>		Sub mountain	good	good	wild					Farmers

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

1	2	3	4	5	6	7		8	9	10	11	12
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of plant/seeds	Local status		Uses (usage)	Part used	Associated TK	Other details market/own use	Community/ Know. Holders
						Past	Present					
Tree	Timberu	<i>Zanthoxylum</i>		Forest	Natural	good	good	asthama				Farmer
Shrub	Simblu	<i>Berberis lycium</i>		forest	natural	good	good	anti-boitic	leaves, root			Tribals
Shurb	Bana	<i>Vitex negundo</i>		Forest	Natural	good	good	Joint treatment	Leaves			Locals
herb	Banafsha	<i>Viola odorata</i>		Forest	natural	good	good	Antiboitic	flower			Farmer
Tree	Amla	<i>Phyllanthus emblica</i>		Forest	Natural	good	good	Antioxidant	fruit			Farmer
Herb	gucchi	<i>Morchella esculenta</i>		Forest	Natural	good	rare	Antiboitic	whole			Tribals
Shrub	Toolsi	<i>Oseimum</i>		Private	agriculture.dept	good	good	Antioxidant	whole			Farmer
Tree	Toon	<i>Toon ciliata</i>		Forest	Natural	good	rare	Blood purifier	leaves,bark			Tribals
Tree	Peepal	<i>Ficus religiosa</i>		Forest,private	Natural	good	good	Relieve indigestion	leaves,Bark			Locals

**Format 13: Ornamental Plants/ Trees/Climbers 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	Harduli	<i>Rhododendron</i>		natural	Non.Com	flower			Farmer
Climbers	Pulwari	<i>Rosa asclloris</i>		natural	Non.Com	flower			Farmer
shrubs	Rose	<i>Rosa indica</i>		Cutting	Comm.	flower			Farmer
Tree	Chinar	<i>Platanus orientalis</i>		Agri.Dept.	commercial	Leaves	( coal)		Broad shady
Tree	safeda	<i>Eucalyptus</i>			Comm.	Timber			Elevated tree
Tree	Ambla	<i>Emblica officinalis</i>		natural & non comm.	Comm.	seed	Pickle		
Tree	Peepal	<i>feus religiosa</i>		non.comm	commercial	faith	cold air		Local
Tree	chir	<i>Pinus roxburghii</i>		non commercial & commertial	Commercial	Timber			Local
Tree	walnut	<i>Juglans regia</i>		non commercial & commertial	Commercial	Fruit			Natives
Tree	Binsa	<i>Bombax alba</i>		non commercial & commertial	Commercial	shade	Prevent soil erosion		Locas

**Format 14: Timber Plants / Trees**

1	2	3	4	5		6	7	8	9	10
Plant type	Local Name	Scientific Name	Habitat	Local Status		Wild/Home-garden	Other uses (multi)	Associated TK	Other Details	Community/Know. Holder
				Past	Prsent					
Tree	Chir	<i>Pinus roxburghii</i>	Forest	Good	Good	Wild	Timber			Locals
Tree	Tooni	<i>Toona cilata</i>	Forest	Good	average	wild	Timber			Locals
Tree	Khirak	<i>Celtis australis</i>	Forest	Good	Good	Wild	Timber	Timber		Tribals
Tree	Tali	<i>Dalbergia sissoo</i>	Forest	Good	Good	wild	Timber	Timber		Locals
Tree	Safeda	<i>Eucalyptus milliodora</i>	Forest	Good	Good	wild/private	fuel & fodder	Timber		Locals
Tree	Toot	<i>Morus alba</i>	Forest	Good	Good	wild/private	Timber, fodder	good fodder		Locals

Tree	Simbal	<i>Bombax celika</i>	Forest	Good	rare	wild	Timber	vertical tree		Tribals
Tree	Banj oak	<i>Querus lencotrichuphora</i>	Forest	Good	rare	wild	fodder	mighty tree		Tribals
Tree	Drake	<i>Melia azadirach</i>	Forest	Good	Good	wild	fuel	Bitter		Locals
Tree	Khair	<i>Acacia katechu</i>	Forest	Good	Good	wild	Timber	Timber		Locals
Tree	Mango	<i>Mangifera indica</i>	Forest	Good	Good	wild	fuel & Timber	broad branches		Locals

**Format 15: Domesticated Animals**

1	2	3	4	5	6	7		8	9	10	11	12
Animal Types	Local Name	scientific Name	Breed (local by Bird)	Features	Method of keeping	Local Status		Uses	Associated TK	Commercial rearing	Other detail including products and services	Community know holders
						Past	Present					
Small Ruminants	Sheep	<i>Ovis aries</i>	Cross Breed Bakarwali Kagani Beetal Poonchi	Polled ewes Horned Rams v-shaped Nose drooping ear sturdy excellent climbers	Conventional	sufficient	sufficient	Mutton chevon Milk Wool	Lohi Namda	No	Wool mutton chevon Milk skin Department provide necessary Medical coverage and sufficient system of rearing	Yes
	Goat	<i>Capra hircus</i>										
	Cow	<i>Bos taurus</i>			Conventional	good	good		Healthy Milk	No		Farmers
	Horse	<i>Equuas labalus</i>			Conventional	good	good		Riding	No		Farmers
	Dog	<i>Canis lupas</i>			Conventional	good	poor		Protection	No		locals
	Cat	<i>Felis catus</i>			Conventional	good	poor		To kill rats	No		locals

	Mule	<i>Asinus equuas</i>	X Horse		Conventional & modern	good	poor		Load carrier	yes		Farmers
	Rooster	<i>Gallus gallus</i>			Conventional	good	good		Meat	No		Farmers
	Jangli murgi	<i>Jangle fowl gallus</i>			Conventional	good	good		meat			Farmers

### Format 16: Culture Fisheries

1	2	3	4	5	6	7		8	9	10	11	12
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (pond/bheri/talao)	Local status		Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
						Past	Present					

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





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

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Chir	<i>Pinus roxburghii</i>		Forest	Good	Good	own use	Wood			Locals
	Kikar	<i>Vachellia indica</i>		Forest	Good	Good	own use				Locals
	Safeeda	<i>Populus spp.</i>		Forest	Good	Average	own use				Locals
	Harduli	<i>Rhododendron</i>		Forest	Good	Good	own use				Locals
	Bana	<i>Vitex negundo</i>		Forest	Good	Good	own use				Locals
Shurb	Phulwari	<i>Rosa ascularis</i>		Forest	Good	average	own use				Locals
	Simblu	<i>Berberies lycium</i>		Forest	Good	average	own use				Locals
Tree	Drake	<i>Melia azedarach</i>		Forest	Good	average	own use				Locals
	Toot	<i>Morus alba</i>		Forest	Good	average	own use				Locals
	Manu	<i>Ulmus walichana</i>		Forest	Good	average	own use				Locals
	Binssa	<i>salid alba</i>		Forest	Good	Good	own use	fodder			Locals
	Hardulli	<i>Rhododendren</i>		Forest	Good	Good	own use	fruits			Locals
	Timbroo	<i>Zanthoxylam</i>		Forest	Good	Good	own use	Fodder			Locals

	Khirak	<i>celtis australis</i>		Forest	Good	Good	own use	Fodder			Locals
	Dhamman	<i>Grevia tilifolia</i>		Forest	Good	Good	own use	Twings			Locals
	Safeda	<i>Eucalyptus Spp</i>		Forest	Good	Good	own use	Fodder			Locals
	Tooni	<i>Toona ciliate</i>		Forest	Good	Good	commercial	Timber			Locals
	Banj oak	<i>Quercus levcotrichophona</i>		Forest	Good	Good	commercial	Fuel			Locals
	Kela	<i>Musa poradisiaca</i>		Forest	Good	Good	Local use	fruits			Locals

### Format 19: Wild Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Chir	<i>Pinus roxburghii</i>		Timber	Past Present
2	Oak	<i>Quercus Incana</i>		Timber	good good
3	Drake	<i>Melia azedarach</i>		Timber	good good
4	Mannu	<i>Ulmus walichiana</i>		Timber	good good
5	Tooni	<i>Toona ciliata</i>		Timber	good good
6	Kikar	<i>Accia nelotica</i>		wood	good good
7	Bisa	<i>Salix alba</i>		wood	good good
8	Safeeda	<i>Eucalptus</i>		Timber	good good
9	Toot	<i>Morus alba</i>		wood	good good
10	Bana	<i>Vitex negundo</i>		wood	good good
11	dhaman	<i>Grewia optiva</i>		fodder	good good
12	Phagora	<i>Ficus palmata</i>		wood	good good
13	Harduli	<i>Rhododendron</i>			good good
15	Phalwari	<i>Rosa aesculars</i>		flower	good good
16	Simbaloo	<i>Berberies lycum</i>		Bark	good good
17	Banafsha	<i>Viola odorata</i>		flower	good good
18	Trimbal	<i>Ficus raremosa</i>		fruits	good good
19	Leucena	<i>Leucenia spp.</i>		fodder	good good
20	Binssa	<i>Salix alba</i>		Twigs	good good

21	Khirak	<i>Celtis australis</i>		fodders	good	good
22	Timbru	<i>Zanthoxylam</i>		fruit,fuel	good	good
23	Kachnar	<i>Bauhinia variegata</i>		flowers	good	good
24	Chinar	<i>Platanus orientalis</i>		Leaves	good	good
25	Toolii	<i>Dalbergia sisso</i>		Timber, leaves	good	good

### Format 20: Aquatic Biodiversity

1	2	3	4	5	6		7	8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local Status		Uses	Associated TK	Other details	Community/ Knowledge Holder
					Past	Present				
chu	<i>Nasturtium officinale</i>			water bodies	Good	average				Locals
sual	<i>Volvox spp.</i>		Thelus	water	Good	Good				Locals
mint	<i>Mentha arvensis</i>		Aeromatic	shady	Good	Good	chatni			Locals
frog	<i>Rana tigrina</i>		Brown	water	Good	Good				Locals
crab	<i>Brachyura spp.</i>		Tentacles	water	Good	Good				Locals
Baeh	<i>Ecorus edamus</i>			water	Good	Good				Locals

Other details may include mode of catching fish, time of availability, breeding time, etc

**Format 21: Wild Aquatic Plant Species of Importance**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Sl. No.</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Variety</b>	<b>Importance</b>	<b>Trends</b>
	Chu	Nasturtium spp.		fodder/food	
	Mint	Mentha arvensis		sauce/pickle/chitni	
	Sual	volvox spp.		Relieve burning	

**Format 22: Wild Plants of Medicinal Importance**

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Status		Associated TK	Uses (usage)	Part used	Other details market/ own use	Community/ Knowledge Holder
					Past	Present					
Herb	Gucchi	<i>Morchella esculenta</i>		Forest	Good	average			whole		Locals
Herb	Banafsha	<i>Viola odorata</i>		Forest	Good	average			flower		Locals
shrub	Simblu	<i>Berberis lycium</i>		Forest	Good	average			roots		Locals
Tree	Harduli	<i>Rhododendron spp.</i>		Forest	Good	average			flower		Locals
Tree	Bana	<i>Vitex negundo</i>		Forest	Good	average			leaves		Locals
	Timbru	<i>Zanthoxylam spp.</i>		Forest	Good	average			Fruit		Locals
	Amla	<i>Phyllanthus emblica</i>		Forest	Good	average			Fruit		Locals
	Tooni	<i>Toona ciliata</i>		Forest	Good	average			Bark		Locals
	Kachnar	<i>Bauhinia variegata</i>		Forest	Good	average			Flower		Locals
	Trimbal	<i>Ficus raremosa</i>		Forest	Good	average			Fruit		Locals
	Fagorhi	<i>Ficus palmata</i>		Forest	Good	average			fruit		Locals
	Simbloo	<i>Berberis spp.</i>		Forest	Good	average			Bark		Locals
	Banna	<i>Vitex negundo</i>		Forest	Good	average			Leaves		Locals



	Hardulli	<i>Rhododendron spp.</i>		Forest	Good	average			Flower		Locals
	Peepal	<i>Ficus religiosa</i>		forest	good	rare			leaves		locals

**Format 23: Wild relatives of Crops**

1	2	3	4	5		6	7	8	9	10
Local Name	Associated crop	Scientific Name	Landscape / Habitat	Local Status		Uses (usage)	Part Used	Associated TK	Other details	Community / Know holder
				Past	Present					
1)	wild pudna	Mentha	Hills	good	rare		Whole			Local
2)	wild adrak	Adrak	Hills	good	good		Whole			Local
3)	wild mash	Kurak dal	Hills	good	good					Local

Note: Other details may include 'function as a substitute plant' in the absence of a particular plant

### Format 24: Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder
Harduli	<i>Rhododendron</i>		Forest	Non-commercial			Locals
Phulwari	<i>Rosa ascolaris</i>		Forest	Non-commercial			Locals
Rose	<i>Rosa indica</i>		Forest	Non-commercial			Locals
Bottle brush	<i>Callistemon</i>		Forest				Locals
Populus	<i>Populus ciliata</i>		Roadside	commercial			Locals
Anar	<i>Pomegranata</i>		Private	Own use			Locals
Amrood	<i>Psidium gujava</i>		Private	Own use			Locals
Silver oak	<i>Grevilia robusta</i>		Roadside	commercial			Locals
Ambla	<i>Emblica officinalis</i>		Garden	Own use			Locals
Orange	<i>Citrus sinensus</i>		Garden	Own use			Locals
Banna	<i>Musa paradisiaca</i>		forest				Locals
Safeda	<i>Eucalyptus milliodora</i>		Roadside	commercial			Locals

Simbal	<i>Bombax cliba</i>		forest				Locals
Apple	<i>Malus domestica</i>		Garden	Own use			Locals
Pear	<i>Pyrus spp.</i>		Garden	Own use			Locals
Loquat	<i>Eryobotrga spp.</i>		Garden	Own use			Locals
Plum	<i>Prunus domestica</i>		Garden	Own use			Locals
Akhrote	<i>Juglan regia</i>		Garden	Own use			Locals
Ber	<i>Ziziphus mauriatiana</i>		Private				



### Format 26: Timber Plants

1	2	3	4		5	6	7	8
local Name	Scientific Name	Habitat	Local status		other uses, if any	assoicated Tk	Other Details	Community/Knowledge Holder
			Past	Present				
Chir	<i>Pinus roxburghii</i>	Forest	Good	Good				farmers
Safeeda	<i>Eucalyptus spp.</i>	Forest	Good	Good				farmers
Tooni	<i>Toona ciliata</i>	Forest	Good	Good				farmers
Drake	<i>Melia azadirath</i>	Forest	Good	Good				farmers
Akhrote	<i>Juglam regia</i>	Forest	Good	Good				farmers
khirak	<i>Celtis australis</i>	Forest	Good	Good				farmers
Toot	<i>Molas alba</i>	Forest	Good	Good				farmers
Kiker	<i>Acacia nelotica</i>	Forest	Good	Good				farmers
Mango	<i>Mangifera indica</i>	Forest	Good	Good				farmers
Trimbal	<i>Ficus racemosa</i>	Forest	Good	Good				farmers
Mannu	<i>Ulmus wallichiena</i>	Forest	Good	Good				farmers
simbal	<i>Bomba cuba</i>	Forest	Good	Good				farmers
Banj oak	<i>Quercus lemotrichophora</i>	Forest	Good	Good				farmers







**Format 28: wild Animals ( Mammals, Birds, Reptiles, Amphibia, Insects, Others)**

1	2	3	4	5	6	7		8	9	10		12
Animal type	Local Name	Scientific Name	Habitat	Description	season when Seen	Local Status		uses	associated TK	Mode of Hunting , Collecting (if any)	Other Detail	Community know. Holder
						Past	present					
Mammals	Bear	<i>Ursidae spp.</i>	Forest		All season	good	Poor					
	Jackel	<i>Canis aureus</i>	Forest		All season	good	Good					
	Goat	<i>Capra aegagrus hircus</i>	Forest		All season	good	Good					
birds	fowl	<i>Gallus gallus</i>	Forest		All season	good	Good					
	eagle	<i>Haliaeetus leucocephalus</i>	Forest		All season	good	Good					
	Crow	<i>Carvus spp.</i>	Forest		All season	good	Good					
Reptiles	snake	<i>Serpentes spp.</i>	Forest		All season	good	Good					
	Lizard	<i>Lacertilia spp.</i>	Forest		All season	good	Good					
amphibia	Frog	<i>Anura spp.</i>	Forest		All season	good	Good					
Insects	hosefly	<i>Musca domestica</i>	Forest		All season	good	Good					

	honey bee	<i>Apis spp.</i>	Forest		All season	good	Good					
	Grass hopper	<i>Caelifera spp.</i>	Forest		All season	good	Good					

**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.)
	Phulwari	<i>Rosa ascularis</i>	climber	wild		
	safeda	<i>Eucalyptus milliodora</i>	Tree	wild		
	Drake	<i>Meha adazirach</i>	Tree	wild		
	Akhrote	<i>Juglan regia</i>	Tree	wild		
	Toot	<i>Molis alba</i>	Tree	wild		
	Kiker	<i>Acaua nelotica</i>	Tree	wild		
	silver oak	<i>Grewellra robusta</i>	Tree	wild		
	Mango	<i>Mangifera indica</i>	Tree	wild		
	Trimbal	<i>Fieus raremosa</i>	Tree	wild		
	Fagorhi	<i>Ficus palmata</i>	Tree	wild		

	Simbal	<i>Bombax seiba</i>	Tree	wild		
	Tooni	<i>Toona ciliata</i>	Tree	wild		
	Kau	<i>Oleaus pirata</i>	Tree	wild		
	Taali	<i>Dalbergia sisso</i>	Tree	wild		
	Khirak	<i>Celtis australis</i>	Tree	wild		
	Timbroo	<i>Zanthoxylam spp.</i>	Tree	wild		

**Format 30: Fauna**

1	2	3	4	5	6
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
1	Geedarh	<i>Canis aurcus</i>	Mammals	wild	
2	Lomarhi	<i>Vulpes vulpes</i>	Mammals	wild	
3	crow	<i>Corvus raven</i>	Birds	wild	
4	buffalo	<i>Bulbus bulbus</i>	Mammals	Domestic	
5	cow	<i>Bos taurus</i>	Mammals	Domestic	
6	Dog	<i>Cams lupas</i>	Mammals	Domestic	
7	Jangle murgi	<i>Gallus brisson</i>	Birds	wild	
8	snakes	<i>Sarpentes spp.</i>	Reptiles	wild	
9	Leopard	<i>Panthera pardus</i>	Mammals	wild	

**Format 31: Any other information of local importance**

<b>1</b>	<b>2</b>	<b>3</b>
<b>Sr. No.</b>	<b>Information of local importance</b>	<b>Remarks</b>

*End of Part II*