

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Palam
Taluk:RAJOURI
District:Rajouri
State:Jammu And Kashmir
Geographical Area of the Panchayat Samiti:2635.76
Population under the Panchayat Samiti: Total 4872
Male:2470 Female:2402 Total:4872
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

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: Alam Hussain (Sarpanch)	
Age:64 Yrs	
Gender:Male	
Address:Palam	
Area of specialization:	
2) Name: Mohd Shafi	
Age: 37 yrs	
Gender: Male	
Address : Palam	
Area of specialization:	
3)Name: Farzand Begum	
Age:48yrs	
Gender: Female	
Address: Palam	
Area of specialization:	
4)Name:Bagh Hussain	
Age:70 yrs	
Gender:Male	
Address:Palam	
Area of specialization:	
5)Name:Dev Kumar	
Age: 41 yrs	
Gender: Male	
Address:Palam	
Area of specialization:	
6)Name: Nectu Sharma	

Age: 30 yrs
Gender: Female
Address: Palam
Area of specialization:
7)Name: Arjun Sharma (Secretary)
Age:30 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 :

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

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: Mohd Rafiq
Age: 55 yrs
Gender: Male
Address: R/o Palam
Area of specialization: Horticulture /Agriculture
2) Name of the Chairperson: Mohd Shabir
Age: 45yrs
Gender: Male
Address: R/o Bathuni
Area of specialization: Agriculture
3) Name of the Chairperson: S.Sukbir Singh (Ex-Servi ceman)
Age: 62 yrs
Gender: Male
Address: R/o Palam
Area of specialization: Horticulture /Agriculture
4) Name of the Chairperson: Manoj Kumar
Age: 52 yrs
Gender: Male

Address: R/o Palam

Area of specialization: Dairy

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: Arjun Sharma (Secretary Panchayat)

Name and Address: Panchayat Palam

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

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.
Vegetables														
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/Ow n 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</i>	Angoor	Local Dakh, Perlette,	subtropical, Mi d hills	rare	rare	Nurseries	July-August		Fruit		
Aonla	<i>Emblica officinalis</i> <i>Syn. Phyllanthus</i> <i>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</i> <i>lamk.</i>	Ber	gola, Banarasi	subtropical	plenty	rare	local 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	Marketing , 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.) 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, Bebeo	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	
Papaya	<i>Carica papaya</i>	papita	local	subtropical	rare	rare	nurseires, locally raised	August-October		fruit	own use	
Banana	<i>Musa paradisica</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	Natural	Fodder	Twings		Tribals
7	Banjh oak	<i>Queruis lemothrichophora</i>		sub tropical	good	good	Natural	fuel	Twings		Tribals
8	Drake	<i>Melia adadrach</i>		sub tropical	good	rare	wild	Fodder	Twings		Tribals

9	Tooni	<i>Toona ciliata</i>		Temperate	good	rare	Tooni	Timber,Fodder, fuel	Twings		Tribals
10	Maize	<i>Zea mays</i>		Temperate	good	good	Agri Dept	food Fodder	Whole		Tribals
11	Wheat	<i>Triticum aestivum</i>		Temperate	good	good	Agri Dept	food Fodder	Whole		Tribals
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	Alelopathy 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	Alelopathy 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) Annuual (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	Agriculture/farming	Animal Husbandary	Agriculture	khariel and Ravi	Traditional and modern		Brahmin			878
Muslim							Gujjar/ Bakarwal			
							OBC			

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											
Agriculture and forest land			slope to moderate		Private	chir	Bat		well				pahari
					forest	oak	rabbit						Gujjar
					state	kikar	fox						hindu
						Bana	Jackel						

Format 9: Waterscape

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape element types	Sub-type	Features and approx. area	Ownership	General flora	General fauna	Major uses	User groups	managem ent Practices	General uses	Associated TK	Other details	Community accessed
Dugg-well	Nil	drinking water	Nil	Nil	Nil	drinking						
streams		recharge ground										
kul						irrigation						

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	eucalyptus	manu		
sandy	Brown	moist	Normal	Kamila	chir		
clay				chir	Drake		
				kikar	kikar		
				populus	Bisa		
				Bisa	fauna		
				Granda	peacock		

				crop.Maize	fowl		
				wheat,rice	piegon		
				pulss	crow		
					jackel		

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						
	Nimbu	<i>Citrus aurantifolia</i>		Temperate	Plenty	Rare						Local/farmers
	seb	<i>Malus domestica</i>		Temperate	rare	Rare						Local/farmers
	pear	<i>Pyrus spp.</i>		Temperate	rare	Rare						Local/farmers
	Loqat	<i>Ariobotrya</i>		Temperate	rare	Rare						Local/farmers
	girgil	<i>Citrus pseudolimon</i>		Temperate	rare	plenty						Local/farmers
	santra	<i>Citrus-sinensis</i>		Temperate	rare	plenty						Local/farmers
	plum	<i>Prunus domestica</i>		Temperate	rare	plenty						Local/farmers
	Aam	<i>Mangifera Indica</i>		Temperate	rare	plenty						Local/farmers
	kele	<i>Musa paradisiaca</i>		Temperate	plenty	plenty						Local/farmers
	akhrote	<i>Juglan regia</i>		Temperate	rare	plenty	Locals	March/April	seeds			Local/farmers
	Ambla	<i>Phyllanthus embilica</i>		Temperate	Plenty	plenty	Locals	June	fruits			Local/farmers

	khubani	<i>Apricot</i>		Temperate	rare	plenty	Locals	march	fruits			Local/farmers
	Arhu	<i>prunus</i>		Temperate	rare	plenty	wild	march	fruits			Local/farmers
	Trimbal	<i>Ficus racemosa</i>		Temperate	rare	rare	wild	June	fruits			Local/farmers
	Fagorhi	<i>Ficus palmata</i>		Temperate	Plenty	plenty	wild	June	fruits			Local/farmers
	Toot	<i>Morus alba</i>		Temperate	rare	plenty	Locals	April	fodder			Local/farmers
	Nakh	<i>Pyrus spp.</i>		Temperate	rare	Rare	Locals	June	eatable			Local/farmers
	Papeeta	<i>Carica papaya</i>		Temperate	rare	Rare	Agri/dept	may/june	eatable			Local/farmers
	Timbru	<i>Zanthoxylam spp.</i>		Temperate	rare	Rare	wild	June	eatable			Local/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 spp.</i>		Forest	Natural			asthama				
Shrub	Simblu	<i>Berberis lycium</i>		forest	natural			anti-boitic	leaves, root			
Shurb	Bana	<i>Vitex negundo</i>		Forest	Natural			Joint treatment				
herb	Banafsha	<i>Viola odorata</i>		Forest	natural			Antiboitic	flower			
Tree	Amla	<i>Phyllanthus emblica</i>										
Herb	gucchi	<i>Morchella esculenta</i>		Forest	Natural			Antiboitic	whole			
Herb	Tulsi	<i>Oscimum SPP.</i>		Pot	Agri. Dept			Antiboitic	whole			
Plant	Toon	<i>Toona ciliata</i>		Forest	Natural			BLOOD PURIFIER	Nark			
Tree	Peepal	<i>Ficus religiosa</i>		Forest	Natural				Bark			Farmer
Herb	Pudina	<i>Mentha arvensis</i>		forest/private	Locals	plenty	rare	Relieve indigestion	leaves			

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 spp.</i>		natural	Non.Com	flower			
Climbers	Pulwari	<i>Rosa asclloris</i>		natural	Non.Com	flower			
shrubs	Rose	<i>Rosa indica</i>		Cutting	Comm.	flower			
	safeda	<i>Eucalyptus spp.</i>		Agri.Dept	Comm.	Timber			locals
	Ambla	<i>Emblica officinals</i>		Agri.Dept	Comm.	Fruit			locals
	Peepal	<i>Ficus religiosa</i>		Agri.Dept	Comm.	Bark			locals
	chir	<i>Pinus roxburghii</i>		Agri.Dept	Commercial	Timber			locals
	Binsa	<i>Bombax alba</i>		Agri.Dept	Commercial	Wood			locals
	Populus	<i>Populus cilhata</i>		Agri.Dept	Commercial	Timber			locals

	safeda	<i>Eucalyptus spp.</i>		Agri.Dept	Comm.	Timber			locals
	Akhrote	<i>Jughlam regia</i>		Agri.Dept		fruit			locals
	Loqat	<i>Eriobotrya japonica</i>		Agri.Dept		fruits			locals

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	Fuel			locals
tree	Tooni	<i>Toona cilata</i>	Forest	Good	average	wild	fuel			locals
tree	Simbal	<i>Bombax ceiba</i>	Private/ forest			wild				locals
tree	Dreak	<i>Melia azrdarach</i>	Private/ forest			wild				locals
tree	Banjh oak	<i>Quercus lemotricha</i>	forest			wild				locals

tree	Mango	<i>Mangifera indica</i>	private			wild				locals
tree	Toot	<i>Morus alba</i>	private			wild				locals
tree	safeda	<i>Populus ciliata</i>	private			wild				locals
tree	silver oak	<i>Grevia robusta</i>	Road Side			wild				locals
tree	Khirak	<i>Ciltis australis</i>	forest			wild				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	Milk		No		
	Horse	<i>Equuas labalus</i>			Conventional	good	good	Riding		No		
	Dog	<i>Canis lupus</i>			Conventional	good	good	Protection		No		
	Cat	<i>Felis catus</i>			Conventional	good	good	To kill dog		No		
	Mule	<i>Asinus equuas</i>	X Horse		Conventional	good	good	Load carrier		yes		
	Rooster	<i>Gallus gallus</i>			Conventional	good	good	Meat		No		
	Jangli murgi	<i>Jangle fowl gallus</i>			Conventional	good	good					

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			well
	Kikar	<i>Vachellia indica</i>		Forest	Good	Good	own use				
	Safeeda	<i>Populus spp.</i>		Forest	Good	Average	own use				
	Harduli	<i>Rhododendron spp.</i>		Forest	Good	Good	own use				
	Bana	<i>Vitex negundo</i>		Forest	Good	Good	own use				
Shurb	Phulwari	<i>Rosa ascularis</i>		Forest	Good	average	own use				
	Simblu	<i>Berberies lycium</i>		Forest	Good	average	own use				
Tree	Drake	<i>Melia azedarach</i>		Forest	Good	average	own use				

	Toot	<i>Morus alba</i>		Forest	Good	average	own use				
	Manu	<i>Ulmus walichana</i>		Forest	Good	average	own use				
	Banj oak	<i>Quercus levcotrichophona</i>		Forest	Good	Good	commercial	Fuel			Locals
	Tooni	<i>Toona ciliata</i>		Forest	Good	Good	commercial	Timber			Locals
	Safeda	<i>Eucalyptus Spp</i>		Forest	Good	Good	own use	Fodder			Locals
	Dhamman	<i>Grewia tilifolia</i>		Forest	Good	Good	own use	Twings			Locals
	Khirak	<i>Celtis australis</i>		Forest	Good	Good	own use	Twings			Locals
	Timbroo	<i>Zanthoxylam</i>		Forest	Good	Good	own use	fruits			Locals
	Bana	<i>Vitex negundo</i>		Forest	Good	Good	own use	Twings			Locals
	Kikerkoli	<i>Rhododendren</i>		Forest	Good	Good	own use	flower			Locals
	Binssa	<i>Salid alba</i>		Forest	Good	Good	own use	Twings			Locals
	leucena	<i>Leucaena leucocephala</i>		Forest	Good	Good		Twings			

	khajoor	<i>Phoenix sylvestris</i>		Forest	Good	Good		fruits			
	Ambla	<i>Emblica officilis</i>		Forest	Good	Good		fruits			
	Trimbal	<i>Ficus carica</i>		Forest	Good	Good		leaves			
	fagorhi	<i>Ficus carica</i>		Forest	Good	Good		fruits			
	saris	<i>Albezia lebeek</i>		Forest	Good	Good		leaves			
	mango	<i>Mangifera indica</i>		Forest	Good	Good		fruits			
	kachnar	<i>Bauhinia variegata</i>		Forest	Good	Good		fruits			

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	
2	Oak	<i>Quercus incana</i>		Timber	
3	Drake	<i>Melia azedarach</i>		Timber	
4	Mannu	<i>Ulmus walichiana</i>		Timber	
5	Tooni	<i>Toona ciliata</i>		Timber	
6	Kikar	<i>Accia nelotica</i>		wood	
7	Bisa	<i>Salix alba</i>		wood	
8	Safeeda	<i>Eucalptus spp.</i>		Timber	
9	Toot	<i>Morus alba</i>		wood	
10	Bana	<i>Vitex negundo</i>		wood	
11	dhaman	<i>Grewia optiva</i>		fodder	

12	Phagora	<i>Ficus palmata</i>		wood	
13	Harduli	<i>Rhododendron spp.</i>			
15	Phalwari	<i>Rosa aescularis</i>			
16	Simbaloo	<i>Berberies lycum</i>			
17	Banafsha	<i>Viola odorata</i>			
18	Ambla	<i>Emblica officinalis</i>			
19	safeda	<i>Populus ciliata</i>		Timber	
20	Pear	<i>Pyrus armaniaca</i>		Fruit	
21	symbol	<i>Bombax alba</i>		Timber/fodder	
22	Oak	<i>Quercus spp.</i>		Timber/fodder	

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				
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
Bach	<i>Ecorus edamus</i>			water	Good	Good				Locals
water grass	<i>Nasturtium officinale</i>		leafy	aquatic	good	plenty				
green algae	<i>Volvox tertius</i>		Thalus plant	aquatic	good	plenty				

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

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	water grass	<i>Nasturium officinalis</i>	food&fodder		
2	Green algae	<i>Volvox terius</i>	Pollution indicator		
3	Mint	<i>Mentha arvensis</i>	used as medicine		

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		farmers/Tribals
Herb	Banafsha	<i>Viola odorata</i>		Forest	Good	average			flower		farmers/Tribals
shrub	Simblu	<i>Berberis lycium</i>		Forest	Good	average			roots		farmers/Tribals
Tree	Harduli	<i>Rhododendron spp.</i>		Forest	Good	average			flower		farmers/Tribals
Tree	Bana	<i>Vitex negundo</i>		Forest	Good	average			leaves		farmers/Tribals
	Amla	<i>Phyllanthus emblica</i>		Forest	Good	average			Fruit		Farmers
	Tooni	<i>Toona ciliata</i>		Forest	Good	average			Bark		Locals
	Peepal	<i>Ficus religiosa</i>		forest	good	rare			leaves		locals
	Dreak	<i>Melia Azadarach</i>		forest	good	average			fruits		farmers/Tribals

Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide)
Other details: Harvesting period /Perennial/annual/seasonal

Format 23: Wild relatives of Crops

1	2	3	4	5		6	7	8	9	10
Sl. No.	Local Name	Scientific Name	Landscape / Habitat	Local Status		Uses (usage)	Part Used	Associated TK	Other details	Community / Know holder
				Past	Present					
1)	wild pudna	<i>Mentha arvensis</i>	Hills	good	rare					farmers
2)	wild adrak	<i>Asarum splendens</i>	Hills	good	good					farmers
3)	wild mash	<i>Vigna mungo</i>	Hills	good	good					farmers

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 spp.</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	Non-commercial			locals
Populus	<i>Populus ciliata</i>		Forest	Non-commercial			locals
Anar	<i>Pomegranata</i>		Forest	Non-commercial			locals
Amrood	<i>Psidium gujava</i>		Forest	Non-commercial			locals

Format 25: Fumigate / Chewing Plants

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
	Nil	nil	Nil	Nil							
climbers	Phulwari	<i>Rosa asculalis</i>		wild	good	good		flowers			
Herb	Kinji	<i>Strobilanthes kunthiana</i>		shady	good	good		whole			Local
Herb	Mint	<i>Mentha</i>		shady	good	good		leaves			Local
Herb	Jarjuli			shady	good	good		whole			Local
	Timbru	<i>Zanthoxylum spp.</i>		wild	good	rare		Twings			
	Tuni	<i>Toona ciliata</i>		wild	good	rare		Twings			

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	average				
Safeeda	<i>Eucalyptus spp.</i>	private	Good	average				
Tooni	<i>Toona ciliata</i>	Forest	Good					
Drake	<i>Melia azadirath</i>	Forest	Good	Good		warm shade		farmers
Akhrote	<i>Juglans regia</i>	Forest	Good	Good				farmers
khirak	<i>Celtis australis</i>	Forest	Good	Good		good fodder		farmers
Toot	<i>Molas alba</i>	Forest	Good	Good				farmers
Kiker	<i>Acacia nelotica</i>	Forest	Good	Good		spiny		farmers

Mango	<i>Mangifera indica</i>	Forest	Good	Good		Broad tree		farmers
Trimbal	<i>Ficus racemosa</i>	Forest	Good	Good		Broad leaves		farmers
Mannu	<i>Ulmus wallichiana</i>	Forest	Good	Good		mighty tree		farmers
simbal	<i>Bomba cuba</i>	Forest	Good	Good				farmers
Banj oak	<i>Quercus lemotrichophora</i>	Forest	Good	Good				farmers
silver oak	<i>Grevillia robusta</i>	Road side	Good	Good		Beautiful		
Peepal	<i>Ficus religiosa</i>	wild/local	Good	Good		cold airy		

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					Farmer
	Jackel	<i>Canis aureus</i>	Forest		All season	good	Good					Farmer
	Goat	<i>Capra aegagrus hircus</i>	Forest		All season	good	Good					Farmer
birds	fowl	<i>Gallus gallus</i>	Forest		All season	good	Good					Farmer
	eagle	<i>Haliaeetus leucocephalus</i>	Forest		All season	good	Good					Farmer
	Crow	<i>Carvus spp.</i>	Forest		All season	good	Good					Farmer
Reptiles	snake	<i>Serpentes spp.</i>	Forest		All season	good	Good					Farmer
	Lizard	<i>Lacertilia spp.</i>	Forest		All season	good	Good					Farmer
amphibia	Frog	<i>Anura spp.</i>	Forest		All season	good	Good					Farmer
Insects	hosefly	<i>Musca domestica</i>	Forest		All season	good	Good					Farmer
	honey bee	<i>Apis spp.</i>	Forest		All season	good	Good					Farmer
	Grass hopper	<i>Caelifera spp.</i>	Forest		All season	good	Good					Farmer
Mammals	Pig	<i>Sus barbatus</i>	Forest		All season	good	average					Tribals
Mammals	monkey	<i>Macaca radiata</i>	Forest		All season	good	average					Tribals

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.)
1	safeda	<i>Eucalyptus milliodora</i>	Tree	wild		
2	silver oak	<i>Grewellra robusta</i>	Tree	wild		
3	Mango	<i>Mangifera indica</i>	Tree	wild		
4	Populus	<i>Populus ciliata</i>				
5	Anar	<i>Pomegranata spp.</i>				
6	Banana	<i>Musa paradisica</i>				
7	loquat	<i>Eriobotrya japonica</i>				
8	Plum	<i>Prunus domestica</i>				

Note: Separate format should be used for road side plantation / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

Format 30: Fauna

1	2	3	4	5	6
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
1	buffalo	<i>Bulbus bulbus</i>	Mammals	Domestic	Milk contain high fats
2	cow	<i>Bos taurus</i>	Mammals	Domestic	high minerals in milk
3	Dog	<i>Cams lupas</i>	Mammals	Domestic	very honest
4	snakes	<i>Sarpentes spp.</i>	Reptiles	wild	
5	cat	<i>Felis catus</i>	Mammals		very quick

Note: Separate format should be used for road side plantation - habitat / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

Format 31: Any other information of local importance

1	2	3
Sr. No.	Information of local importance	Remarks

End of Part II