

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti:-Badakana Mr. Mohd. Nazr ul Qayoom
Taluk: Panglarh
District:Rajouri
State:Jammu And Kashmir
Geographical Area of the Panchayat Samiti: 966.18
Population under the Panchayat Samiti: Total 2500
Male: 1500 Female:1000
Habitat and Topography:Hilly & Slopy
Climate (Rainfall, Temperature and weather patterns) RainFall - Moderate Rainfall
Land Use (Nine fold classification available with village records)
Date, Month and Year of PBR Preparation 2020-21: 10-08-2021
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:Sobia Shaheen Mohd. Nazr ul Qayoom
Age: 40 years
Gender: Male
Address:Badakana
Area of specialization: Agriculture
2) Name:Mo hd Razaq
Age:72
Gender:Male
Address:Badakana
Area of specialization:
3)Name:Kalsoom Fatima
Age:46
Gender:Female
Address:Badakana
Area of specialization:
4)Name:Mo hd Nasir
Age:42
Gender:Male
Address:Badhal-A
Area of specialization:
5)Name:AbdulQayoom
Age:76
Gender:Male
Address:Badakana
Area of specialization:
6)Name:Shabanaz Kouser
Age:29
Gender:Female
Address:Badhal-A
Area of specialization:
7)Name:Remaz Iqbal
Age:30
Gender:Male
Address:Badakana
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 : Mohd. Tufail
Age: 75 years
Gender: Male
Address: Badakana
Area of specialization: Hakim
Location from which the person accesses biological material: Badakana
Perception of the practitioner on the resource status:
Medicinal Use: Roh. Afza, Sundal, Safi, (Skin factor)
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. Kaleem Ashraf
Age: 24 years
Gender: Male
Address: Badkana
Area of specialization: Forest & Fisheries
2) Name of the Chairperson: Maneer Hussain
Age: 65
Gender: Male
Address: Badakana
Area of specialization:
3) Name of the Chairperson: Mohd Aslam
Age: 60
Gender: Male
Address: Badakana
Area of specialization:
4) Name of the Chairperson:
Age:
Gender:
Address:
Area of specialization:

Annexure 4

Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR

1) Contact Person: Rural Development Department

Name and Address: Remaz Iqbal (Secertary Panchayat)

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

Part II
PBR – Formats
AGROBIODIVERSITY
Format 1: Crop Plants

1	2	3	4	5	6	7		8	9	10	11	12	13	14
Crop	Scientific Name	Local Name	Variety	Landscape / Habitat	Approx. area shown	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Rice	<i>Oryza sativa</i>	Tayin	K-39,K-343, G-14	Slopy	2000 Ha.	Normal	Improved	Medium height, resistant to draught,	Kharif	Food /Fodder	Stapple food		Agri Dept.	Farmers
Maize	<i>Zia mays</i>	Makk	Rasi4794, Kh517, Kh-612, DD	Hilly & lower hills	2500 Ha	Plenty	Plenty	HYV, Resistant to draught ang lodging	Kharif	Food /Fodder	Stapple food		Agri Dept.	Farmers
Wheat	<i>Triticum aestivum</i>	Kanak	Raj 3765, HD 2967, HD 3086,	Hilly & lower hills	2500 Ha	Plenty	Plenty	HYV, Draught resistant, Shaort duration	Rabi	Food / Fodder	Stapple food		Agri Dept.	Farmers
Vegetables														
Okra	<i>Avenmoschus esculentus</i>	Bhindi	Arka Anamika, Versha Uphar, PS, PK,	sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	Agri Dept/ Local	Farmers
Brinjal	<i>Solanum melongena</i>	Bangun	PPL,PPC, PH4, BR112	sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	Agri Dept/ Local	Farmers
Brottle Gourd	<i>Legenaria siceraria</i>	Kaddu	PSPL, Punjab Komal	sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-	Agri Dept/ Local	Farmers
Tomato	<i>Solanum lycopersicum</i>	Tamater	Pusa Rubi,Pusa Early Dwarf, Manisha Plus/ local	Sub Tropical & intermediate		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	Farmers

Onion	<i>Allium cepa</i>	Pyaj	Pusa Red, Nasik Red, N-53, Liberty	Cool weather at vegetative stage followed by warm weather at Bulb Stage		Normal	Normal	-	Rabi	Vegetable & Salad use	Good source of dietary fiber, Vitamin B6, C, Potassium and folic acid.	-	Agri Dept/ Local	Farmers
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Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
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	Low	Low	Nurseries	through out year		Fruit, Pickling, Squashes etc.	Marketing , own use	
Guava	<i>Psidium guajava</i>	Amrood	Local, L-49, Allahabadi Safeda etc.	subtropical	Normal	Normal	Nurseries	July-August		Fruit	Marketing , own use	
Apple	<i>Malus x domestica Borkh.</i>	Sabe	Red Delcious, Golden Delocious, Maharaji, American etc.	Temperate	rare	Rare	Nurseries	Aug- Oct.		fruit, value addition	Marketing , own use	
Pear	<i>Pyrus spp.</i>	Nakh	Patharnakh, China pear	Mid hill	plenty	Rare	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	Marketing , own use	
Walnut	<i>Juglans regia</i>	Akrote	Burzal, Kagzi, hard shelled	Temperate	plenty	Rare	Nurseries, locally raised	sept-Oct		Dry fruit	Marketing , own use	

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
				Past	Present					
Oats	<i>Avena sativa</i>	Javi	Sub Tropical / Intermediate	Rare	Normal	Agri Dept /Local	Nutritious & palatable fodder,	Whole plant	Suitable for fodder	Farmers
Sorghum	<i>Sorghum spp</i>	Charry/ Jawar	Sub Tropical / Intermediate	Rare	Rare	Agri Dept /Local	Source of energy	Whole plant	Suitable for fodder	Farmers
Barseem	<i>Trifolium alexandrinum</i>	Shattal	Sub Tropical / Intermediate	Rare	Abundant	Agri Dept /Local	Nutritious & palatable fodder	Whole plant	Suitable for fodder	Farmers
Chilli	<i>Capsicum annum</i>	Mirch	Sub Tropical / Intermediate	Rare	Abundant	Agri Dept /Local	Viilage Head	Dry fruit	Contains good ammount of vitamin A&C	Farmers
Garlic	<i>Allium Sativum</i>	Thom	Sub Tropical / Intermediate	Rare	Abundant	Agri Dept /Local	Medicinal value	Clove	Spice use	Farmers

Format 4: Weeds

1	2	3	4	5	6	7		8	9	10	11	12
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status		Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
						Past	Present					
Guli Danda	<i>Philaris minor</i>	Sitti	Wheat	Compete with crop	Sub Tropical/ intermediate	Plenty	Plenty	Nil	Chemical / Manual Control	Source for High quality protein	Local	Farmers
Parathenium	<i>Parthenium hysterophorus</i>	Congress grass	All crops	Alellopathy effect, reduce yield	Sub Tropical/ intermediate	Rare	Plenty	Nil	Chemical / Manual Control	Abnoxious weed difficult to manage	Exotic	Farmers
Bathua	<i>Chinopodium album</i>	Bathua	Wheat, Vegetables	Compete with main crops for space and nutrients	Sub Tropical/ intermediate	Plenty	Plenty	Leavy vegetable	Chemical Control	Rich Source of protein, Vit. A, Calcium, Phosphorous & potash	Used as green vegetable	Farmers
Bhang	<i>Cannabis sativa</i>	Bhang	Maize, Wheat, Vegetables	Alellopathy effect, Compete with crops	Sub Tropical/ intermediate	Plenty	Plenty	psychoactive effects	Chemical / Manual Control	intoxicating causes dehydration, nausea and headache	Local	Farmers

Format 5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	Scientific name	Local name	Habitat	Time / season of attack	Management mechanism	Associated TK	Other details	Community knowledge holder
Rice	Rice Hispa	<i>Dicladispa armigera</i>	Kali Pundi	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Rice	Stem Borer	<i>Scirepophaga incertulas</i>	Dhain ka Kida	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Maize	Blister Beetle	<i>Mylabris phalerata</i>	Bhundi	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Maize	Cut Worm	<i>Agrotis spp</i>	Makki da kida	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Maize	Maize stem Borer	<i>Chilo partellus</i>	Sundi	Chewing & biting	July to sept	Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers
Brijal/ Tomato	Fruit Borer	<i>Helicoverpa armigera</i>	Sundi	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Wheat, Maize, Rice	Rat	<i>Tatera indica</i>	Chuha	Sub Tropical/ intermediate	Kharif/ Rabi	Chemical control	-	Feed on crop leaves	Farmers
Miaze, Potato	Porcupine	<i>Erethizon dorsatum</i>	Seh	Sub Tropical/ intermediate	Kharif/ Rabi	NA	-	Feed potato tubers, vegetales and cobs	Farmers

Other details may include possible reasons for insects/animal attack

Format 6: Markets for Domesticated animals

1	2	3	4	5	6	7	8	9
Name of the market & location	Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]	Types of animals bought and sold [2]	Types and Average Number of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish

Note: [1] (D) – day; (M) – month;

[2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

Format 7: Peoplescape

1	2	3	4	5	6	7	8	9	10	11
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs
Muslim - 2500	1500 - Farmer	Agriculture	Agriculture							

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

1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub - Landscapes	Feature s and approx. area	Ownersh i p	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow land											
Agricultural land					Private	Chikri	Jackal		Well	Agriculture			Pahari
5000 ha	7	5000 Ha											

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

Format 9: Waterscape

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Bowlis & Nallah from hilly area Upper Badkana	Kull & Tap water											
Badakana Kas		Foothill of mountain	Govt.	Algae, Fungi	Tadpole, Cockroach, Fish, Snails, Snakes, Earth worms			Govt.	Irrigation			

Examples: Ponds, Streams, Rivers, Lake, Canal, Tubewell, Dug well etc.,

Format 10: Soil type

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable	Flora and fauna	Associated TK	Other information
Sandy	Brown (light)	No. Irrigation	Farmer	Banna, Simlu	Same	Nil	Nil
Aluvial	Black	Agriculture	Farmer	Agriculture plants	Same		

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					
	Simlu	<i>Berberis lyceum</i>	Local	Forest		Rare	Improved		Whole Plant			
Herb	Pudina	<i>Mentha spp.</i>	Local	Forest		Rare	Improved		Whole Plant			
Shrubs	Bhang	<i>Canabis sativia</i>	Local	Forest		Rare	Improved		Whole Plant			
	Sap mak	<i>Arisaema Tortulosum</i>	Local	Forest		Rare	Improved		Whole Plant			

Note: Uses: Food/ Veterinary Medicine,/ Human Medicine (Sub-divisions like for children, women etc),/ Agricultural Purpose (Bio-pesticide)
Other details: Propagation methods, / Harvesting period,/ Cultivated or collected from wild or both,/ Perennial/annual/seasonal

Format 15: Domesticated Animals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Breed (local/hybrid)	Features	Method of keeping	Local status		Uses	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Small Ruminants	Sheep Goat	Ovis aries Capra hircus	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
	Cow	<i>bos taurus</i>			Conventional	Rare	Common					
	Horse	<i>Equus Caballus</i>			Conventional	Rare	Common					
	Goat	<i>Capra Aegagrus</i>			Conventional	Common	Rare					

Uses include milk, meat, skin, fur and etc

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					
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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

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 azadarach</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</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	Kanthi	<i>Pyrus pashia</i>			
15	Phalwari	<i>Rosa aesculars</i>			
16	Simlu	<i>Berberies lycum</i>			

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				
Cho	<i>Nasturtium officinale</i>	Local		water bodies	Good	Abundant	For vegetable	Medical purpose		
Mendak/meenk	<i>Rana tigrina</i>	Local		water bodies	Common	Common	Maintain Aquatic Food chain			

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

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					
shrub	Simblu	berberis lycium		Forest	Good	average	Mohd. Kaleem Ashraf S/o Mohd. Ashraf R/O Badakanna		roots		70% Farmers
Tree	Bana	vitex negundo		Forest	Good	average			leaves		30% Migrated to Urban areas

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
Local Name	Scientific Name	Associated crop	Landscape / Habitat	Local Status		Uses (usage)	Part Used	Associated TK	Other details	Community / Know holder
				Past	Present					
Akhrot	<i>Juglans regia</i>		Wet land	Common	Abundant		Fruits & stem			
Simlu	<i>Berberies lycum</i>		Dry land	Rare	Commom		Fruits & Bark			

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

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

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						Past	Present					
Mammals	Leopard	<i>Panthera pardus</i>	Forest		All season	good	Poor					
	Jackel	<i>canis aureus</i>	Forest		All season	good	Good					
	Wild goat	<i>capra aegagrus</i>	Forest		All season	good	Good					
birds	Peacock	<i>Pavo cristatus</i>	Forest		All season	good	Good					
	Wild fowl	<i>Galloanserae</i>	Forest		All season	good	Good					
	Crow	<i>Corvus</i>	Forest		All season	good	Good					
Reptiles	snake	<i>Serpentes</i>	Forest		All season	good	Good					
	Lizard	<i>Lacertilia</i>	Forest		All season	good	Good					
amphibia	Frog	<i>Anura</i>	Forest		All season	good	Good					
Insects	hosefly	<i>Musca domestica</i>	Forest		All season	good	Good					
	honey bee	<i>Apis</i>	Forest		All season	good	Good					
	Grass hopper	<i>Caelifera</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.)
1	Akhrot	<i>Juglans regia</i>	Tree		April - May	Common
2	Kiker	<i>Acacia nilotica</i>	Tree		April - May	Common
3	Simlu	<i>Berberies lycum</i>	Shrub		April - May	Common
4	Rein	<i>Quercus oblongata</i>	Tree		April - May	Common
5	Nakh	<i>Pyrus communis</i>	Tree		April - May	Common

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.)
	House crow	<i>Corvus splendens</i>	Birds		Common
	Koel	<i>Eudynamys scolopaceus</i>	Birds		Rare
	Jackal	<i>Canis aureus</i>	Mammals		Common
	Chipkali	<i>Lacertila</i>	Reptiles		Common
	Bee	<i>Apis sp.</i>	Insects		Rare

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