

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti :** Kheral

**Taluk:** Pouni

**District :** Reasi

**State:** J&K

**Geographical Area of the Panchayat Samiti:**

**Population under the Panchayat Samiti: Total :** 3500

**Male:** 1530                      **Female :** 1381

**Habitat and Topography:**

**Climate (Rainfall, Temperature and weather patterns)**

**Land Use (Nine fold classification available with village records)**

**Date, Month and Year of PBR Preparation:** 31/08/2020

**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:** Noor Fatma (Mobile No.: 6005880065)

**Age:** 48

**Gender:** F

**Address:** Kheral

**Area of specialization:**

**2) Name:** Mumtaz Begum

**Age:** 38

**Gender:** F

**Address:** Kheral

**Area of specialization:**

**3)Name:** Nisha Rani

**Age:** 34

**Gender:** F

**Address:** Kheral

**Area of specialization:**

**4)Name:** Abdul Qayoom

**Age:** 37

**Gender:** M

**Address:** Kheral

**Area of specialization:**

**5)Name:** Omkar Singh

**Age:** 27

**Gender:** M

**Address:** Kheral

**Area of specialization:**

**6)Name:** Ram Lal

**Age:** 62

**Gender:** M

**Address:** Kheral

**Area of specialization:**

**7)Name:** Mohd Jasim

**Age:** 23

**Gender:** M

**Address:** Kheral

**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 : Makhni d/o Ghulam Rasool

Age: 25

Gender: Female

Address: Ward No. : 3 Kheral

Area of specialization: Fanda

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name: Mani Ram

Age: 85

Gender: Male

Address: Tali morh Ward No. : 9

Area of specialization: Joint Pain, Organ Treatment

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name: Krishan Lal s/o Badri Nath

Age: 68

Gender: Male

Address: Patta (Ward No. : 6) Kheral

Area of specialization: Poison, Animal Treatment, Kalpatra Fanda

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 :** Baldev Singh s/o Ram Saran**Age:** 65**Gender:** Male**Address:** Kheral Ward No.: 1**Area of specialization:** Fanda, Backbone pain**2) Name :** Ram Krishan s/o Jagran Nath**Age:** 35**Gender:** Male**Address:** Kheral Ward No.: 1**Area of specialization:** Herbs, New Born Baby Treatment**3) Name of the Chairperson:****Age:****Gender:****Address:****Area of specialization:****4) Name of the Chairperson:****Age:****Gender:****Address:****Area of specialization:**

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

**1) Contact Person: NIL**

**Name and Address:**

**2) Contact Person: NIL**

**Name and Address:**

**3) Contact Person: NIL**

**Name and Address:**

**4) Contact Person: NIL**

**Name and Address:**

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

**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**

1	2	3	4	5	6
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	Detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared

**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							
	<i>Zea mays</i>	Maize				Plenty	Rare							
	<i>Oryza sativa</i>	Rice				Plenty	Rare							
	<i>Triticum aestivum</i>	Wheat				Plenty	Rare							

The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 'other details' vary with the nature of crops. For measuring local status, there need to identify a particular year – significant changes in ecology occurred – and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation practices, propagation techniques, usage etc can be included in the column 8, in associated TK.





**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					
	<i>Sorghum spp.</i>	Cheri		Plenty	Plenty					
	<i>Penisetum glaucum</i>	Bajra		Plenty	Plenty					

Other details include fodder for which animal, special features, medicinal uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc.

**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					
	<i>Lantna canara</i>	Panj Phulli				Plenty	Plenty					
	<i>Digitaria sanguinalis</i>	Hairy crab grass				Plenty	Plenty					
	<i>Taraxacum officinalis</i>	Dandelion				Plenty	Plenty					

Other details may include how long the weeds have been suppressing/adversely affecting the crops in this locality, when it came under notice, intensity of natural multiplication etc

**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
	Monkeys	<i>Macaca mulatta</i>	Rhesus Monkey						
	Field rats	<i>Rattus argentiventer</i>							
	Aphids	<i>Aphidoidea</i>							
	Beetles	<i>Coleoptera</i>							
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
<b>Name of the market &amp; location</b>	<b>Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]</b>	<b>Types of animals bought and sold [2]</b>	<b>Types and Average Number of animals transacted in a day</b>	<b>Places from which animals are brought</b>	<b>Places to which the animals are sold / transported</b>	<b>Name and location of fish market</b>	<b>Types of fishes sold</b>	<b>Source of fish</b>

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
<b>Community &amp; Population</b>	<b>Families &amp; Major occupation</b>	<b>Sub- occupation</b>	<b>Depending Landscape</b>	<b>Major resources accessed and seasons of access</b>	<b>Landscape management practices</b>	<b>Resource management practices</b>	<b>Cast / tribe</b>	<b>Social condition</b>	<b>Nature of inhabitants</b>	<b>No. of HHs</b>
General	Agriculture	Labour					SC	Average		700
SC 443							ST			
ST 1330							OBC			
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**

<b>Format 8: Landscape</b>													
<b>1</b>			<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>Major Landscapes</b>			<b>Sub - Landscapes</b>	<b>Features and approx. area</b>	<b>Ownership</b>	<b>General flora</b>	<b>General fauna</b>	<b>User groups</b>	<b>Management practices</b>	<b>General uses</b>	<b>Associated TK</b>	<b>Other details</b>	<b>Community accessed</b>
<b>Agricultural land</b>	<b>Pond</b>	<b>Fallow land</b>											
Cultivable Land			Hilly		Forest / State		Cattle						
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
<b>Waterscape element type</b>	<b>Sub- type</b>	<b>Features and approx area</b>	<b>Ownership</b>	<b>General flora</b>	<b>General fauna</b>	<b>Major uses</b>	<b>User groups</b>	<b>Management practices</b>	<b>General uses</b>	<b>Associated TK</b>	<b>Other details</b>	<b>Community accessed</b>
Well (4)			Public		Cattle	Drinking, Cooking, Washing						
Tubewell (1)			Public									
Khoo (7)			Public									
PONDS												

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







**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					
	Aloe vera	<i>Aloe vera</i>										
	Tulsi	<i>Ocimum tenuiflorum</i>										
	Khair	<i>Senegalia catechu</i>										
	Amla	<i>Phyllanthus emblica</i>										

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 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
	Sadabahar	<i>Catharanthus roseus</i>							
	Gutta	<i>Tagetes erecta</i>							
	Bottle brush	<i>Callistemon</i>							
	China Rose	<i>Hibiscus rosa-sinensis</i>							
	Gulab	<i>Rosa indica</i>							
	Pigeon Berry	<i>Duranta erecta</i>							
	Queen sago	<i>Cycas</i>							



**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					
	Cow	<i>Bos Indica</i>										
	Buffalo	<i>Bubalus bubalis</i>										
	Horse	<i>Equus caballus</i>										
	Goat	<i>Capra aegagrus hircus</i>										
	Sheep	<i>Ovis aries</i>										

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					

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



**WILD BIODIVERSITY**  
**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					
	Khair	<i>Senegalia catechu</i>			Available	Available	Own Use				Self Observed
	Krongal	<i>Cassia fistula</i>			Available	Available	Own Use				Self Observed
	Chir	<i>Pinus roxburghii</i>			Available	Available	Own Use				Self Observed
	Jamun	<i>Syzygium cumini</i>			Available	Available	Own Use				Self Observed
	Talli	<i>Dalbergia sissoo</i>			Available	Available	Own Use				Self Observed
	Badh	<i>Ficus religiosa</i>			Available	Available	Own Use				Self Observed



**Format 19: Wild Plant Species of Importance**

1	2	3	4	5	6
Sl. No.	Plant	Local Name	Scientific Name	Importance (as economic, social, cultural etc.)	Status
1		Simbal	<i>Bombax ceiba</i>	Social and Economic	Available
2		Bamboo	<i>Bambusoideae</i>	Social and Economic	Available
3		Kikar	<i>Acacia nilotica</i>	Social and Economic	Available
4		Talli	<i>Dalbergia sisso</i>	Social and Economic	Available
5		Bhang	<i>Cannabis sativa</i>	Social and Economic	Available
6		Krongal	<i>Cassia fistula</i>	Social and Economic	Available

**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				
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					
	Aloe vera	<i>Aloe vera</i>		Subtropical	Available						
	Tulsi	<i>Ocimum tenuiflorum</i>		Subtropical	Available						
	Amla	<i>Phyllanthus emblica</i>		Subtropical	Available						
	Toot	<i>Morus alba</i>		Subtropical	Available						
	Arjun	<i>Terminalia arjuna</i>		Subtropical	Available						

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					
Chaleri saag	<i>Amaranthus viridis</i>		Sub-tropical	Available						
Jungli Putna	<i>Mentha arvensis</i>		Sub-tropical	Available						

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
Sadabahar	<i>Catharanthus roseus</i>						
Gutta	<i>Tagetes erecta</i>						
Bottle brush	<i>Callistemon</i>						
China Rose	<i>Hibiscus rosa-sinensis</i>						
Gulab	<i>Rosa indica</i>						
Pigeon Berry	<i>Duranta erecta</i>						
Queen sago	<i>Cycas</i>						

**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					
	Pudina	<i>Mentha viridis</i>			Available						
	Aloe vera	<i>Aloe vera</i>			Available						
	Dhaniya	<i>Coriandrum sativum</i>			Available						
	Tulsi	<i>Ocimum tenuiflorum</i>			Available						
	Neem	<i>Azadirachta indica</i>			Available						

**Format 26: Timber Plants**

1	2	3	4	5	6	7	8	
Local Name	Scientific Name	Habitat	Local Status		Other Uses, if any	Associated TK	Other Details	Community/ Knowledge Holder
			Past	Present				
Khair	<i>Acacia catechu</i>		Available					
Kala siri	<i>albizia lebback</i>		Available					
Talli	<i>Dalbergia sisso</i>		Available					
Safeda	<i>Eucalyptus spp</i>		Available					
Tunu	<i>Toona ciliata</i>		Available					









**Format 29: Flora**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>Sr. No.</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Type of Plants</b>	<b>Habitat</b>	<b>Flowering Season</b>	<b>Remarks (Rare / Common etc.)</b>

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.)

**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**

<b>1</b>	<b>2</b>	<b>3</b>
<b>Sr. No.</b>	<b>Information of local importance</b>	<b>Remarks</b>
	none	

*End of Part II*