

## People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti Ghambir Mughlan A
Taluk:- Manjakote
District:Rajouri
State:Jammu And Kashmir
Geographical Area of the Panchayat Samiti:
Population under the Panchayat Samiti: Total 2000
Male: 1000                      Female:1200                      Total:2000
Habitat and Topography:Hilly
Climate (Rainfall, Temperature and weather patterns) Rainfall
Land Use (Nine fold classification available with village records)
Date, Month and Year of PBR Preparation 2020-21 27-08-2021
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)**

<b>1)Name of the Chairperson: Mohd Yousif</b>
Age:-68 Yrs
Gender:Male
Address: Ghambir Mughlan A Ward no. 6
Area of specialization:Agriculture
<b>2) Name:-Khalil Ahmed</b>
Age: 44
Gender:- Male
Gender:Male
Address: Ghambir Mughlan A, Ward no. 1
Area of specialization:Agriculture
<b>2) Name:-Rubina kossier</b>
Age:30
Gender:Female
Address: Ghambir Mughlan A, Ward no. 2
Area of specialization:Agriculture
<b>4)Name:-Mohd Zabeer</b>
Age:46
Gender:Male
Address: Ghambir Mughlan A Ward no. 3
Area of specialization:Agriculture
<b>5)Name:- Shamsheer Ahmed</b>
Age:34
Gender:Female
Address: Ghambir Mughlan A , Ward no. 5
Area of specialization:Agriculture
<b>6)Name:-Mohd Wazir</b>
Age:62
Gender:Male
Address: Ghambir Mughlan A , Ward no. 1
Area of specialization:Agriculture
<b>7)Name:-</b>
Age:
Gender:
Address:
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 :Nil

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:Nil

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:Nil

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 Wazir

Age: 68

Gender: Male

Address: Ghambir Mughlan A

Area of specialization:

2) Name of the Chairperson: Manir Hussain

Age: 55

Gender: Male

Address: Ghambir Mughlan A

Area of specialization:

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

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**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: Nil

Name and Address:

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					
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

*End of Part I*

**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	Land Scape / Habitat	Approx area sown	Local Status		Special feature	Cropping season	Uses	Associated TK	Other Details	Source of seeds /Plants	Community / Knowledge holder
						Past	Present							
Maize	<i>Zia mays</i>	Makka	Rasi4794, Kh517, Kh-612, DD	Hilly & lower hills		Plenty	Plenty	HYV, Resistant to draught and lodging	Kharif	Food /Fodder	Staple food		Agri Dept.	Farmers
Red Kidney Beans	<i>Phaseolus vulgaris</i>	Rajma	Local Variety	Hilly/Temprate		Rare	Normal	Medium Yielding	Kharif (May to October)	Source of Protein/Energy	Prefered Food for parties as well as Domestic Consumption	Food	Agri Dept.	Farmers
Potato	<i>Solanum tuberosum</i>	Aaloo	Kufri Sindhuri, Kufri Badsha, Kufri Jyoti	Potato is an herbaceous annual, requires cool weather, mostly rainfed conditions		Normal	Normal	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable, chips etc	-	High carbohydrate, provide high n energy value	Rabi	Agri Dept/ Local	Farmers

**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	Other details	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	Plenty	rare	Nurseries	through out year		Fruit, Pickling, Squashes etc.	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/ putter pan	Patharnakh, China pear	Mid hill	plenty	Common	Nurseries	Aug-Sept		Fruit	own use	
Peach	<i>Prunus persica(L.) Batsch.</i>	Aaroo	July Elberta, Quetta	mid hill	rare	Common	Nurseries	June-July		Fruit	Marketing , own use	
Apricot	<i>Prunus armeniaca</i>	Khubani, Sadi	local apricot, Bebcu	Mid hills	plenty	rare	Nurseries	June-July		Fruit	own use	
Walnut	<i>Juglans regia</i>	Akrote	Burzal, Kagzi, hard shelled	Temperate	plenty	Common	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	Rare	Agri Dept /Local	Nutritious & palatable fodder,	Whole plant	Suitable for fodder	Farmers
Sorghum	<i>Sorghum spp</i>	Charry/ Jawar	Sub Tropical / Intermediate	Rare	Plenty	Agri Dept /Local	Source of energy	Whole plant	Suitable for fodder	Farmers
Barseem	<i>Trifolium alexandrinum</i>	Shatal	Sub Tropical / Intermediate	Rare	Rare	Agri Dept /Local	Nutritious & palatable fodder	Whole plant	Suitable for fodder	Farmers
Chilli	<i>Capsicum annum</i>	Mirch	Sub Tropical / Intermediate	Rare	Rare	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	Rare	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	Other details	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	Alelopathy 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, Phosporous & potash	Used as green vegetable	Farmers
Wild Oats	<i>Avena spp</i>	Jungli Javi	Wheat	Compete with main crops for space and nutrients	Sub Tropical/ intermediate	Plenty	Plenty	Green Fodder for animal	Chemical / Manual Control	Source for High quality protein	Local	Farmers
Bhang	<i>Cannabis sativa</i>	Bhang	Maize, Wheat, Vegetables	Alelopathy 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	Other details
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
Maize/Wheat	Termite	<i>Odentotermes obesus</i>	Sink	Sub Tropical/ intermediate	Kharif/ Rabi	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
Maize,Wheat, Fruits, vegetable	Monkey	<i>Macaca mulatta</i>	Bander	Sub Tropical/ intermediate	Kharif/ Rabi	NA	-	Feed on Fruits and green vegetables, cobs	Farmers



### 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	Other details	No. of HHs
Muslims -2000	100 % agriculture	Farmers , 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	Features and approx. area	Ownership	General flora	General fauna	User groups	Other details	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow land											
Agricultural land	Nil	Cultivated land				Toot, manu, besa	Cow, Cat, Snake, lizard						

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	Other details	Associated TK	Other details	Community accessed
Chasma originate from Doulin and collected in tank			Govt	Nil	Nil	Drinking purpose only						
There is no other rives, and also no source of irrigation												

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)	Other details	Associated TK	Other details market/own use	Community/ Know. Holders
						Past	Present					
Tree	Bana	<i>Vitex negundo</i>	Local	Forest	Forest	Rare	Common		leaves		own use	aware
Shrub	Simblu	<i>Berberies lycium</i>	Local	forest	Forest	Common	Common	anti-boitic	leaves, root		own use	aware
Tree	Besa	Salix Alba	Local	Local	Forest	Common	Common	Medicinal use	Leaves & stem			
Tree	Rein	Quercus oblongata	Local	Forest	Forest	Common	Common	Medicinal use	Roots, leaves			
Herb	Cho	<i>Nasturtium officinale</i>	Local	Forest	Forest	Common	Common	Medicinal use	whole part			

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	Other details	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Small Ruminants	Sheep / Bhed	<i>Ovis aries Capra hircus</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
Horse	Ghora	<i>Equus Caballus</i>	Local		Conventional	Rare	Common	Transportation of material				self observer
Cat	Billi	<i>Felis catus</i>	Local		Conventional	Rare	Rare	-				self observer
Dog	Kutta	<i>Cannie Spp</i>	Local	pet	Conventional	Rare	Rare	Guarding			no	self observer
Buffalo	Manj	<i>Bubalus bubalis</i>	Local		Shed	Common	Common	Mutton/ milk				

**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	Other details	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 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	Other details	Other details	Community Knowledge Holder
					Past	Present					
Tree	Kikar	<i>Acacia</i>		Forest	Good	Good	own use				
Herb	Bana	<i>vitex negando</i>		Forest	Good	Good	own use				
Shrub	Simlu	<i>berberies lycium</i>		Forest	Good	average	own use				
Tree	Drake	<i>Malia azdarach</i>		Forest	Good	average	own use				
Tree	Toot	<i>Morus alba</i>		Forest	Good	average	own use				
Tree	batangi	<i>pyrus pashia</i>		Forest	Good	Average	own use				
Tree	Manu	<i>Ulmus Walichana</i>		Forest	Good	average	own use				



**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	Rein	<i>Quercus Incana</i>	Local	Timber	
2	Drake	<i>Melia azadarach</i>		Timber	
3	Mannu	<i>Ulmus Walichiana</i>		Timber	
4	Tooni	<i>Toona ciliata</i>		Timber	
5	Kikar	<i>Accia nelotica</i>		wood	
6	Bisa	<i>Salix alba</i>		wood	
7	Bana	<i>Vitex negundo</i>		wood	

**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 officinala</i>	Local		water bodies	Good	Common	Medical purpose			

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
		Nil-			

### 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)	Other details	Other details market/ own use	Community/ Knowledge Holder
					Past	Present					
Herb	gucchi	<i>Morchella</i>		Forest	Good	average			whole		
Herb	banafsha	<i>Viola oderata</i>		Forest	Good	average			flower		
shrub	Simblu	<i>berberis lycium</i>		Forest	Good	average			roots		
Tree	Bana	<i>Vtex negundo</i>		Forest	Good	average			leaves		

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					
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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)	Other details	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						Past	Present					
Mammals	Leopard	<i>Panthera pardus</i>	Forest		All season	good	Poor					
	Ghidar	<i>canis aureus</i>	Forest		All season	good	Good					
	Cova	<i>Corvus</i>	Forest		All season	good	Good					
Reptiles	Saamp	<i>Serpentes</i>	Forest		All season	good	Good					
	Setalia	<i>Lacertilia</i>	Forest		All season	good	Good					
Insects	Housefly	<i>Musca domestica</i>	Forest		All season	good	Good					
	Honeybee	<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	Bhang	<i>Cannabis sativa</i>	Herb	Sub-tropical	July-Aug	Common
2	Simlu	<i>Berberis lyceum</i>	Shrub	Sub-tropical	May-June	Common
3	Kiker	<i>Acacia Nilotica</i>	Tree	Sub-tropical	April-May	Common
4	BanKhor	<i>Aesculus indica</i>	Tree	Sub-tropical	April-May	Common
5	Besa	<i>Salix Alba</i>	Tree	Sub-tropical	April-May	Common

### Format 30: Fauna

1	2	3	4	5	6
Sr. No.	Local Name	<i>Scientific Name</i>	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
1	Yellow Billed Blue Mapie	<i>Urocissa erythrorhyncha</i>	Birds	Forests	Common
2	Saamp	<i>Serpentes</i>	Reptiles	Forests	Common
3	Ghidar	<i>Canis aureus</i>	Mammals	Forests	Common
4	Manj		Mammals	Local	Rare
5	Ghai	<i>Bos taures</i>	Mammals	Local	Common
6	Setala	<i>Lacertila</i>	Reptiles	Local	Common

**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>

*End of Part II*