

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti Ghambir Mughlan D
Taluk:- Manjakote
District:Rajouri
State:Jammu And Kashmir
Geographical Area of the Panchayat Samiti:
Population under the Panchayat Samiti: Total 3000
Male: 1500 Female:1500 Total:3000
Habitat and Topography:Hilly
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 : 26 -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: Saleem Javed Mughal
Age:-45 years
Gender:Male
Address: Ghambir Mughlan D
Area of specialization:Agriculture
2) Name:-
Age:
Gender:-
Address:
Area of specialization:
3) Name:-Mansha Begum
Age:52
Gender:Female
Address: Ghambir Mughlan D
Area of specialization:Agriculture
4)Name:-Mukhtar Ahmed
Age:39
Gender:Male
Address: Ghambir Mughlan D
Area of specialization:Agriculture
5)Name:-Mohd Bashir
Age:48
Gender:Male
Address: Ghambir Mughlan D
Area of specialization:Agriculture
6)Name:-Salma Akhter
Age:28
Gender: Female
Address: Ghambir Mughlan D
Area of specialization:Agriculture

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: Nil

Age:

Gender:

Address:

Area of specialization:

2) Name of the Chairperson: Saleem Javid

Age:39

Gender:Male

Address: Ghambir Mughlan D

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:

--

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:Chairperson

Name and Address: Abdul Rehman

2) Contact Person:RDD-PR

Name and Address:Moht Rashid GRS

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
Wheat	<i>Triticum aestivum</i>	Gandam	Raj 3765, HD 2967, HD 3086,	Hilly & lower hills		Plenty	Low	HYV, Draught resistant, Shaort duration	Rabi	Food / Fodder	Staple food		Agri Dept.	Farmers
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.	Farmers
Red Kidney Beans	<i>Phaseolus vulgaris</i>	Rajma	Local Variety	Hilly/Temprate		Rare	Low	Medium Yielding	Kharif (May to October)	Source of Protein/Energy	Prefered Food for parties as well as Domestic Consumption	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

Bottle 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
Knol Khol	<i>Brassica oleracea</i>	Kadam	King of Market , White Vienna, Purple Vienna	sub tropical & intermediate		Normal	Normal	Green Leafy Veg	Rabi	Swollen stem and leaves are consumed as vegetable	Source of minerals & energy	-	Agri Dept/ Local	Farmers
Potato	<i>Solamum tuberosum</i>	Aaloo	Kufri Sindhuri, Kufri Badsha, Kufri Jyoti	Potato is an herbaceous annual, requirs 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	Normal	Nurseries	through out year		Fruit, Pickling, Squashes etc.	Marketing , own use	
Pear	<i>Pyrus spp.</i>	Nakh	Patharnakh, China pear	Mid hill	plenty	Normal	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	
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	Marketing , own use	
Plum	<i>Prunus salicina</i>	Aaloo Bukhara	santa rosa, Allubukhara	Mid Hills	Rare	Rare	Nurseries, locally raised	July-August		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
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	Village Head	Dry fruit	Contains good amount of vitamin A&C	Farmers
Garlic	<i>Allium Sativum</i>	Thom	Sub Tropical / Intermediate	Rare	Common	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					
Parathenium	<i>Parthenium hysterophorus</i>	Congress grass	All crops	Allelopathy 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	Allelopathy effect, Compete with crops	Sub Tropical/ intermediate	Plenty	Plenty	psychoactive effects	Chemical / Manual Control	intoxicating causes dehydration, nausea and headache	Local	Farmers
Barnyard grass	<i>Achinocloa crusgalli</i>	Swanki	Rice/Maize	Compete with crops	Sub Tropical/ intermediate	Plenty	Plenty	Fodder & Animals	Chemical / Manual Control	nil	Local	Farmers
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

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	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>Odontotermes obesus</i>	Sink	Sub Tropical/ intermediate	Kharif/ Rabi	Chemical control	-	Feed on crop leaves	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
Maize,Wheat, Fruits, vegetable	Monkey	<i>Macaca mulatta</i>	Bander	Sub Tropical/ intermediate	Kharif/ Rabi	NA	-	Feed on Fruits and green vegetables, cobs	Farmers
Mustard	Aphid	<i>Lipaphis erysimi</i>	Aphid/ Tella	Sub Troopical/Intermediate	Dec-March	Chemical control	-	Nil	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 - 3000	Agriculture - 800 families	Farmers								

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											
Agriculture & Forest land													

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
Tap water												
Chashma at Chitro	No sufficient source of water available for domestic purpose											

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>		Forest	natural	Rare	Common		leaves		own use	aware
Shrub	Simblu	<i>Berberies lycium</i>		forest	natural	Common	Common	anti-boitic	leaves, root		own use	aware
Herb	Thoom	<i>Allium sativum</i>	Local	Locally raised	Locally	Rare	Common	Gastric stimulant	leaves, root			
Herb	Payaz	<i>Allium Cepa</i>				Rare	Common	Diureetic expectoral	leaves, root			
Herb	Ghamar	<i>Amaranthus Viridis</i>				Rare	Common	Obesity , snake bite	leaves, root			
	Methi	<i>Trigonella foenum-graecum</i>										
	Tandail											

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 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					
	Safeeda	<i>Populus</i>		Forest	Good	Average	own use				
	Bana	<i>vitex negando</i>		Forest	Good	Good	own use				
Shurb	Phulwari	<i>rosa ascularis</i>		Forest	Good	average	own use				
	Simlu	<i>berberies lycium</i>		Forest	Good	average	own use				
Tree	Drake	<i>Malia azdarach</i>		Forest	Good	average	own use				
	Toot	<i>Morus alba</i>		Forest	Good	average	own use				
	batangi	<i>pyrus pashia</i>		Forest	Good	Average	own use				
	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	chir	<i>Pinus roxburghii</i>		Timber	
2	Oak/ Rein	<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	Bisa	<i>Salix alba</i>		wood	
7	Safeeda	<i>Eucalptus</i>		Timber	
8	Toot	<i>Morus alba</i>		wood	
9	Bana	<i>Vitex negundo</i>		wood	
10	Phagora	<i>Ficus palmata</i>		wood	

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	Rare			whole		
Herb	banafsha	<i>Viola oderata</i>		Forest	Good	average			flower		
shrub	Simblu	<i>berberis lycium</i>		Forest	Good	average			roots		
Tree	Bana	<i>Vitex 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					
Khore	Juglans regia	Grasses	Terrestrial	Rare	Common	As food	Fruits			Gujjars, Bakarwals

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					
	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					
Insects	hosefly	<i>Musca domestica</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	Rein	<i>Quercus indica</i>	Tree	Forest	May- June	Common
2	Besa	<i>Salix alba</i>	Tree	Forest	May- June	Common
3	Toot	<i>Morus alba</i>	Tree	Forest	April - May	Common
4	Simlu	<i>Berberis lyceum</i>	Shrub	Forest	April - May	Common
5	Kiker	<i>Acacia nilotica</i>	Tree	Local	April - May	Common

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	Leopard / bagh	<i>Panthera pardus</i>	Mammals	Forest	Rare
2	Gidhar	<i>Canisaureus</i>	Mammals		Common
3	Cova	<i>Corvus splendens</i>	Birds		Common
4	Saamp	Serpentes	Reptiles		Rare
5	Shehed ki makhi	<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

