

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: BHERA

Taluk/Tehsil: Mendhar

District:Poonch

State/UT: Jammu And Kashmir

Geographical Area of the panchayat Samiti: 507 Hectares

Population Of the Panchayat samiti...Total 3500

Male= 2088

Female = 1412

Habitat and Topography: Mountaneous

Climate (Rainfall, Temperature and other weather patterns):

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

Date, Month and Year of PBR preparation: 08-01-2021

Annexure 1

Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by the local body ; not less than one third to be w

Person: Abdul Rehman S/o Ali Mohd. (sarpanch) 9906157894

Sarpanch

S/o Mohd. Fazal (9596964774)

:Chairman

ssain S/o Mohd. Kaliq (8492871034)

Secretary

ed S/o Behra (8492865369)

Member

S/o Ditta (8493095639)

Member

lhary D/o Mohd. Majied (9596940115)

Member

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: local/non local

Perception of the practitioner on the resource status: less local resources available

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 : Mohd. Aziz S/o Ditta

Age: 80 years

Gender: Male

Address: Behra

Area of specialization: Agriculture

2) Name : Karamdad S/o Mohd Fazal

Age: 60 years

Gender: Male

Address: Behra

Area of specialization: Forestry

3) Name of the Chairperson: Abdul Rehman S/o Ali Mohd.

Age: 57 years

Gender: Male

Address: Behra

Area of specialization:

4) Name of the Chairperson: Basharat Azeem S/o Mohd. Khaliq

Age: 35 years

Gender: Male

Address: Behra

Area of specialization:

4) Name of the Chairperson: Abdul Rehman S/o Ali Mohd. (9906157894)

Age:

Gender: Male

Address: Behra

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:

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

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							
Maize	<i>Zea Mays</i>	Makh	Bio-9621, K-6129, K-65, GG, star -9, 4794, DD, 7314	Hilly, Temperate & intermediate areas of district	24000 hac	Local varieties	Improved varieties	1. March to April sown	Kharif	1. Major food item	Staple food	-	Farmers kept seed, Deptt. of Agri, Private seed dealer	Generally aged farmer or rural communities
								2. Local variety dentles		2. Feeding to poultry and cattle				
								3. Corn and flour sweet in taste		3. Used as flour				
										4. Straw used as dry fodder				
Wheat	<i>Triticum astivum</i>	Kanak- Rare	HD -2967, HD 3086	Hilly, Temperate & intermediate areas of district	15000 hac.	Local varieties	Improved varieties	1. HYV	Rabi	1. Grains used as food	Staple food	-	Seed selected from previous yr. crop, deptt. of agri.	Local faming communities
						Moond		2. Resistant to pest		2. Straw used as dry fodder				
								3. susceptible to all kind of rust		3. Pre mature crop used as fodder				
								4. Drought resistant						
Garlic	<i>Allium sativum</i>	Thoom - Abundant	Yamuna Safed(G-1,G-50,G-282), German White	Hilly, Temperate & intermediate ar. of distt.	50 hac.	Local varieties	Improved varieties	1. Disease resistance variety	Rabi	As a spice	-	-	Seed selected from previous yr. crop,	Local faming communities
								2. 5-8 cloves						
								3. Rich and spicy in flavour						

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	Khandiyaal	<i>Avina Sativa</i>	Hilly, Temperate & areas of district	Local varieties	Improved varieties	Seed selected from previous yr. crop, deptt. of agri	Grain for seed purpose, Green/ dry fodder	Nutritious and palatable fodder	Suitable for fodder	Farmer
SORGHUM	Chari	<i>Sorghum bicolor</i>	Hilly, Temperate & areas of district	Local varieties	Improved varieties	Seed selected from previous yr. crop, deptt. of agri	Green/ dry fodder	Nutritious & Source of enrgy	Suitable for fodder	Farmer

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					
Dheloo	<i>Cyprus rotundus</i>	Maize		Hilly, Temperate & intermediate areas of district	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	-	Manual control/ Chemical mgmt. through herbicides	nil	nil	No TK associated with knowledge of weed	
Ghass	<i>Cyprus esculantus</i>	Maize		Hilly, Temperate & intermediate areas of district	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	-	Manual control/ Chemical mgmt. through herbicides	nil	nil	No TK associated with knowledge of weed	
Bathua	<i>Chenopodium album</i>	Maize		Hilly, Temperate & intermediate areas of district	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	Used as vegetable	Manual control/ Chemical mgmt. through herbicides	nil	nil	No TK associated with knowledge of weed	

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	Yellow Stem Borer	<i>Sciropophagai Incertulas</i>		Paddy field	August to September	<ul style="list-style-type: none"> · Clipping of tip of seedlings before transplanting to eliminate egg masses. · Need base application of triazophos or quinaphos 	nil	nil	Nil
	Brown Plant Hopper	<i>Nilaparvata lugens</i>		Paddy Field	August to September	<ul style="list-style-type: none"> · Closure spaces should be avoided · Alternate wetting and drying of padduy field · Use of light traps · Chemical mgmt. through insecticide 	nil	nil	Nil
Rice Thrips	<i>Stenchaetothrips biformis</i>		Paddy Field	August to September	<ul style="list-style-type: none"> · Dusting of carbaryl 5% or malathion 5% @ rs. 25 kg /hac 	nil	nil	Nil	
Rice Grasshopper	<i>Hieroglyphus banian</i>	Tridhaa	Paddy Field	June to September	<ul style="list-style-type: none"> · Trimming the bunds · Dusting of carbaryl 5% or malathion 5% @ rs. 25 kg /hac 	nil	nil	Nil	
Stem Borer	<i>Samia inferens</i>		Wheat		<ul style="list-style-type: none"> · Need base application of triazophos or quinaphos · Installation of pheromone traps for monitoring 	nil	nil	Nil	
WHEAT	Field Rats	<i>Bendicota bangalensis, Torera indica, Millardia meltada</i>		All fields	All season	<ul style="list-style-type: none"> · Traps and chemicals 	nil	nil	Nil
	Cut worm	<i>Agroris sp.</i>	-	Maize	April to May	<ul style="list-style-type: none"> · Chemical mgmt. through insecticide (phorate) 	nil	nil	Nil

MAIZE	Stem Borer	<i>Chilo partellus</i>	-	Maize	June to July	· Ploughing of field after harvest and destroy stubbles & weeds	nil	nil	Nil
						· Destruction of infected plant and removal of dead herts			
						· Chemical mgmt. through insecticide			
	Cob Worm	<i>Helicoverpa armigera</i>	-	Maize	June to July	· Deep summer ploughing	nil	nil	Nil
						· Installation of pheromone traps for monitoring			
						· Chemical mgmt. through insecticide			
	Blister Beetel	<i>Mylabris pustulata</i>	Khundii	Maize	June to August	· Avoid excessive use of nitrogenous fertilizers	nil	nil	Nil
						· Manual collection or collection with insect net and killing of adults in kerosenized water			
						· Need based spray of carbaryl and fenthione			
MUSTRAD	Aphid	<i>Lipaphis erisymi</i>	-	Mustard	Mustard	· Avoid late sowing & excessive use of nitrogen fertilizers	nil	nil	Nil
						· Crop should be sown before 20 th oct.			
						· Need base spray of dimethoate 30 EC or Methyl Demetone 25 EC			

Format-8 Landscape

1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub - Landscapes	Feature s and approx. area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow land											
Cultivated Land	Not Applicable	Not Applicable	Cultivated Land	108 Hac	Agricultural Land are Privately owned	Fodder and Crop Plants	Insects,Snakes, Dogs,Fox,Jackels , Mangoose etc	Nil	Nil	Nil		Nil	Low-Income community
Non-Cultivated Land	Not Applicable	Not Applicable	Non-Cultivated Land	204 Hac	Govt./Private	Wild plants and Fodder Plants	Insects,Snakes, Dogs, Fox, Jackels , Hawk etc	Nil	Nil	Nil		Nil	Low-Income community
Forest Land	Not Applicable	Not Applicable	Forest Land	195 Hac	Government	Wild plants	Wild animals, wild Chicken, fox, Jackel, Insects, Eagle etc	Nil	Nil	Nil		Nil	Low-Income community

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						
Plum	Plum	<i>Prunus subg prunus</i>	Local	Low land velley	Available	Available	Local preserve	April May	Rich source of iron & fibre	Rich source of iron & fibre		Farmers/ Community
Pear	<i>Pyrus spp.</i>	Nakh	Local	Low land velley	Available	Available	Rare	Jun-July	Aug - Sep	Fruit		Farmers/ Community
Lime	Nimbu	<i>Citrus aurantifolia</i>	Kagzi	Low land velley	Available	Available	Seeds/Plant	Aug-Sep	Rich source of Vit. C	Rich source of Vit. C	-	Farmers/ Community
Guava	<i>Psidium guajava</i>	Amrood	Local, L49 etc.	Low land velley	Available	Available	Plenty	Mar-Apr	Jul - Aug	Fruit		Farmers/ Community

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					
Shrubs	Trimuru	<i>Zanthoxylum aurmatum</i>	Wild	Hilly	Seed	Abundant	Abundant	Good for Cleaning Teeths.	Stem / Seed	N.A	N.A	Generally, held by community
Shrubs	Anardana	<i>Punica granatum</i>	Wild	Hilly	Seed	Rare	Rare	Edible	Fruit	N.A	N.A	Generally, held by community
Shrubs	Bhang	<i>Canabis sativa</i>	Wild	Hilly	Seed	Abundant	Abundant	Medicinal use	Leaves	N.A	N.A	Generally, held by community

Format-14 Timber Plants/Trees

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	<i>Scientific Name</i>	Habitat	Local status		Wild/ home-garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
				Past	Present					
Trees	Oak	<i>Quercus incana</i>	Sub-tropical	Rare	Rare		Roofing, furniture etc.	nil	nil	

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					
Cattle	Ghan	<i>Bos indicus</i>	Local	Low yield	Backyard	Abdundant	Decreased	Dairy	Nil	No	Milk	All
	Jersey Ghan	<i>Bos iaurus</i>	CB Jersey	Dished Face	Backyard/Commrcial	Very few	Increased	Dairy	Nil	Yes	Milk	All
	Austrilian Ghan	<i>Bos taurus</i>	CB HF	Black & White spotted	Backyard/Commrcial	Very few	Increased	Dairy	Nil	Yes	Milk	All
Buffalo	Manj	<i>Bubales bubalis</i>	Local	Low yield	Backyard	Abdundant	Decreased	Dairy	Nil	No	Milk	Gujjar Community
	Punjabi Mais	<i>Bubales bubalis</i>	Murrah	Black coloured Body	Backyard	Very few	Increased	Dairy	Nil	Yes	Milk	All
Poultry/ Local, Desi	Kukarr	<i>Galus domesticus</i>	Local	Enriched Meat Flavour	Backyard	Abdundant	Decreased	Egg and Meat	Nil	No	Egg and Meat	All
	Farmi Kukarr	<i>Galus domesticus</i>	Chabro	Good Egger	Backyard	Very few	Increased	Egg and Meat	Nil	No	Egg and Meat	All
	Broiler	<i>Galus domesticus</i>	Hybrid	White in colour	Deep litter	Very few	Increased	Only Meat	Nil	Yes	Only Meat	All
Dog	Kutta	<i>Canis familiaris</i>	Local	Nil	Stray	Abdundant	Abdundant	Nil	Nil	No	No	Stray
	Bakervali Kutta	<i>Canis familiaris</i>	Bakervali	Brown Black colour	Household	Abdundant	Rare	Companion	Nil	No	No	Bakerwal

Cat	Billi	<i>Felis catus</i>	Local	Grey colour	Pet	Abundant	Abundant	Pet	Nil	Nil	Nil	Nil
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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					
Trees	Bair	<i>Ziziphus xylocarpa</i>	Trees	Sub-Tropical	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Dhaman	<i>Grewia optiva</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Stem/Bark	nil	nil	Generally, held by community
Trees	Drankh	<i>Melia azedarach</i>	Trees	Sub-Tropical	Abundant	Rare	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Fagwara	<i>Ficus palmata</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Guvava	<i>Psidium Guajava</i>	Trees	Lower shivalik	Abundance	Abundance	own	Leaves/Fruit	posses medicinal properties	nil	Generally, held by community
Trees	Kainth	<i>Pyrus paschia</i>	Trees	Sub-Tropical	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Shurbs	Trimuru	<i>Zantho Xylum Aurmatum</i>	Shurbs	Sub-Tropical	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	brankad	<i>Adha toda vesica</i>	Shurbs	Sub-Tropical	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community

Herbs	Banfsha	Viola odorata	Herbs	Sub-Tropical	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community
Grass	Drub/Khabbal	Cyanodon dactylon	Grass	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Kai/Kaana	Saccharum spontaneum	Grass	Sub-Tropical	Rare	Rare	own	Stem	nil	nil	Generally, held by community
							own	Leaves/Stem	nil	nil	Generally, held by community

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
Nil	Nil	Nil	Nil	Nil	Nil

Format-21 Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
Nil	Nil	Nil	Nil	Nil	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)	Part used	Other details market/ own use	Community/ Knowledge Holder
					Past	Present					
Shrub	Simlu	Berberis lyceum						It is an excellent tonic for combating ability after malarial & other fevers & diseases	Fruit, roots		

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					
Shrub	Trimuru	<i>Zanthoxylum</i>		Forest	Rare	Rare	use for teeth Cleaning/ Medicinal Purpose	Fruit, Branches	-	-	Generally, held by community
		<i>aurmatum</i>									
Shrub	Bana	<i>Vitex negundo</i>	-	Locally present	Rare	Rare	use for teeth Cleaning	Branches	-	-	Generally, held by community

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	Garanda	<i>Punica granatum</i>	Shrub	Mist Land	April - May	Common
2	Bana	<i>Vitex negundu</i>	Tree	Dry land	-	Rare
3	Batangi	<i>Pyrus pashia</i>	Tree	-	-	Common
4	Galgal	<i>Citrus limon</i>	Tree	-	-	Rare
5	Lime	<i>Citrusauran tifolia</i>	Tree	-	-	Rare
6	Mannu	<i>Ulmus walichaina</i>	Tree	-	-	Common
7	Kahu	<i>Olea cuspidata Wallich ex G. Don</i>				
8	Khirk	<i>Celtis australis</i>				

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.)
	Goat	<i>Capra Aegagrus</i>	Mammals	Forest	Common
	Manj	Bubalus bubalis	Mammals	Local	Common
	Cow	<i>Bos taurus</i>	Mammals	Local	Common
	Sheep	<i>Ovis aries</i>	Mammals	Local	Common
	Ox	<i>Bos taurus</i>	Mammals	Local	Common

Format 31: Any other information of local importance

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