

## Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Mohra Bachhai Upper

Taluk/Tehsil: Lassana

District: Poonch

State/UT: Jammu And Kashmir

Geographical Area of the pancahayt Samiti:

Population Of the Panchayat samiti... Total 3200

Male= 2000

Female = 1200

Habitat and Topography: Hilly area

Climate (Rainfall, Temperature and other weather patterns): Cold temperature

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

Date, Month and Year of PBR preparation: 24-09-2021



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## 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. Bashir

Age: 80 years

Gender: male

Address: Mohra Bachhai Upper

Area of specialization: Agriculture & Forestry

2) Name :

Age:50

Gender:

Address:

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:

Name and Address:

2) Contact Person:

Name and Address:

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:



**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**

<b>S.no</b>	<b>Name and address of the Person/Institute/company others</b>	<b>Local and Scientific Name of the biological material Accessed and quantity</b>	<b>Date and resolution of the BMC and endorsement by the Panchayat</b>	<b>Detail of collection fee imposed</b>	<b>Anticipated mode of sharing benefits or quantum of benefits shared</b>

**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>	Maki	Kh-5/7	Hilly & Lower hills		Rare	Rare	Medium Height	Kharief	Food Fodder	Staple food		Preserve or Agricultural Deptt.	Farmers
Paddy	<i>Oryza sativa</i>	Chawal	G-14, K-39	Lower land , Sub-Tropical		Abundant	Abundant	Tall variety High yield Resistant to drought, flood, pest & diseases	June -Oct.	Food Fodder	Disease Resistant vareity	Required less water it is suitable for rainfed area	Agri.Deptt.	Kurichiya Kuruma W. Chetty
Potato	<i>Solanum tubersum</i>	Aloo	Local	Hilly areas or Lower hills		Common	Common	Tubers are round gremish	Rabi	vegetable & Chips	High carbonate	-	Natural	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	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Shrub	<i>Citrus sinensis</i>	Santra	Local	Mid hills	Rare	Rare	Throughout the year			Fruits/ Pickling	-	Community / Knowledge holder
Shrub	<i>Psidium guajava</i>	Ambrud	Local	Tropical or plain areas	Rare	Available	July-Aug	Aug-Dec	-	Fruits, Medical uses	-	Farmer or knowledge holder
Tree	<i>Prunus domestica</i>	Said	Local	Sub-tropical or lower hilly areas	Common	Common	Aug-Oct	Seeds/Plant	Mar-July	Fruits, or Medical uses	-	Farmer
Tree	<i>Juglans regia</i>	Khore	Khagzi	Sub-tropical	Common	Rare	Aug-Oct	Aug-Sept	Reduces prostrate cancer and diabetes	Dry fruits	-	Farmer or Community

**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					
Grass	<i>Avena sativa</i>	Javi	Sub-tropical	Rare	Common	Agricultural Deptt	Nutritious/ Palatable fodder	Whole plant	Suitable for fodder	Knowledge holder/ Farmer
Herb	<i>Zingiber officinale</i>	Ginger	Tropical - Subtropical	Common	Common	Agricultural deptt.	Medical uses	Stem	Used in food / Spices	Knowledge holder/ Farmer
Tree	<i>Salix Alba</i>	Besa	Mid hills	Common	Common	Naturally / Cutting	Potable fodder	Leaves	Suitable for fodder	Community / Knowledge holder
Herb	<i>Allium sativum</i>	Thoom - Abundant	Sub-tropical	Common	Common	Seeds	Medical uses	Clove	Spice uses	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
Maize	Blister Beetle	<i>Mylabris phalerata</i>	Bhundi	Sub Tropical/	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Vegetables	Snails	<i>Cornu aspersum</i>	Bleette	Tropical	During winter season	Chemical control	-	Feed on crop stem	Farmers
All crops	Monkey	Macaca Mulatta	Bander	sub-tropical	When crops are grown in field	Pesticides	-	Feed on crop leaves & Fruits	Farmers
Veegetables	Cabbage Cooper	Trichoplusia ni	Seenak	Sub-tropical	Kharief	Chemical control	-	Feed on crop leaves & fruits	Farmers/ Community



**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>
Majority Muslims - 3200	650 , Families, Agriculture	Agriculture	Agriculture							



### 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		Agricultural Land are Privately owned	Fodder and Crop Plants	Insects,Snakes, Dogs,Fox,Jackels etc	Nil	Nil	Nil		Nil	Low-Income community
Non-Cultivated Land	Not Applicable	Not Applicable	Non-Cultivated Land		Govt./Private	Wild plants and Fodder Plants	Insects,Snakes, Dogs, Fox, Jackels etc	Nil	Nil	Nil		Nil	Low-Income community
Forest Land	Not Applicable	Not Applicable	Forest Land		Government	Wild plants	Wild animals, wild Chicken, fox, Jackel, Insects etc	Nil	Nil	Nil		Nil	Low-Income community



**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 and clay soil	Clayey loam, sandy loam,	Fine Granular, Dub-Angular Blocky Structure having pH 7.8-8.3, Water Holding capacity more than 40%	Use of Organic matter	Maize, Wheat	-	-	-
Black soil	Black & Soft	Fine Granular, Dub-Angular Blocky Structure having pH 7.8-8.3, Water Holding capacity more than 40%	Use of Organic matter	Maize, Wheat			



**Format-12 Medicinal Plants (Herb, 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	Bhang	<i>Canabis sativia</i>	Local	Sub-tropical	Seed	Abundant	Abundant	Medicinal use	Leaves	N.A	N.A	Generally, held by community
Trees	Bair	<i>Ziziphus xylocarpa</i>			Seed	Rare	Rare	Medicinal use	Fruit,Leaves	N.A	N.A	Generally, held by community
Shrubs	Simlu	<i>Berberis lyceum</i>	Local	Sub-tropical	Naturally	Common	Common	Edible	Fruits, bark leaves	Medical purpose		Knowledge holder
Tree	Phagwari	<i>Ficus Palmata</i>	Local	Sub-tropical	Natural	Common	Common	<i>Medicinal use</i>	Fruit, Bark	Medicinal purpose		Knowledge holder

**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
Shrub	Gulab	<i>Rosa indica</i>	Local	Cutting	Commercial	Decoration	Climber		Knowledge holder / Community
Herb	Matar	<i>pisum sativum</i>	Local	Seed	Commercial	Vegetables	Climber		Farmers
Tree	Besa	<i>Salix alba</i>	Local	Cutting	Non-Commercial	Medicinal use	Tree		Community
Climber	Phulwari	<i>Rosa acicularis</i>	Local	Natural	Non-Commercial	Vegetables	Climber		Knowledge holder / Farmers

**Format-14 Timber Plants/Trees**

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ home- garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
				Past	Present					
Trees	Chir	<i>Pinus roxburghii</i>	Sub-tropical	Rare	Rare		Roofing, furniture etc.	nil	nil	
Trees	Rein	<i>Quercus incana</i>	Sub-tropical	Rare	Common		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					
Mammal	Gaiya	<i>Bos Taurus</i>	Local	long horn	Cow Shed	Common	Common	Milk				Farmers/ Community
Mammal	Manj	<i>Bubales bubalis</i>	Hybrid	Short tail	Shed	Rare	Common	Milk, Mutton				Farmers
Mammal	Bhead	<i>Orisaries</i>	Local	Short horn	Shed	Common	Common	Wool, Milk, Mutton				Farmers/ Community
Mammal	Bakri	<i>Capra hircas</i>	Hybrid	Short horn	Shed	Common	Common	Mutton and wool	Yes	Yes	Mutton, wool, manure, bones and hides	Farmers/ Knowledge holder







**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	Guavav	<i>Psidium Guajava</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	posses medicinal properties	nil	Generally, held by community
Trees	Kiker	<i>Acacia Nilotica</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Trees	Sub-Tropical	Rare	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Tooth	<i>Morus alba</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
	Anardana	<i>Punica granatum</i>	Shurbs	Sub-Tropical	Rare	Rare	own	Fruit	nil	nil	Generally, held by community

Shurbs	brankad	Adha toda vesica	Shurbs	Sub-Tropical	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community
Shurbs	Akk	Ipomea fistulosa	Shurbs	Sub-Tropical	Abundant	Abundant	own		nil	nil	Generally, held by community
Shurbs	Thor/Shuu	Euphorbia royleana	Shurbs	Sub-Tropical	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Herbs	Jungli putna	<i>Mentha arvensis</i>	Herbs	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Drub/Khabbal	<i>Cyanodon dactylon</i>	Grass	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Kai/ Kaana	<i>Saccharum spontaneum</i>	Grass	Sub-Tropical			own	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
1	Akhroot	<i>Juglans regia</i>	Wild	Economic, social	
2	Bhang	<i>Cannabis sativa</i>	Wild	Economic, social	
3	Wild anaar	<i>Punica granatum</i>	Wild	Economic, social	
4	Jangli gulab	<i>Rosa maschata</i>	Wild	Economic, Cultural	
5	Simlu	<i>Berberis lyceum</i>	Wild	Economic, Social, Medical purpose	
6	Kucch	<i>Viburnum grandiflorum</i>	Wild	Economic & Medicinal uses	

**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				
Luss	<i>Schizothorax spp.</i>		elongated subcylindrical body with short		Common	Rare		Nil		
			blunt upper jaw , herbivorous							
Machi	<i>Barillius sp.</i>		omnivorous body very long and much		Common	Rare	As food	Rich in protein		
			compressed sides irregularly marked with							
			numerous incomplete oblique spots							

**Format-21 Wild Aquatic Plant Species of Importance**

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Patrees	<i>Aconitum heterophyllum</i>	Herb	Medicinal uses	Common
2	Simlu	<i>Berberis lyceum</i>	Herb	Medicinal uses	Common
3	Banafsha	<i>Viola odorata</i>	Herb	Medicinal uses	Common

**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					
Herb	Patrees	<i>Aconitum heterophyllum</i>	Herb					It is an excellent tonic for combating ability after malarial & other fevers & diseases	Roots		
Herb	Banafsha	<i>Viola</i>	Herb					Flowers are used in perfumery & are also used medicinally as demulcent and biliousness & lungs trouble	Flower		
Herb	Kuth	<i>Soussurea lappa</i>	Herb					Used in treatment of cough, asthma & fever.	Root		
Climber	Dioscorea	<i>Dioscorea deltoidea</i>	Climber					The tubers yield diosgenin, which is used to synthesize sex hormones.	Tuber		
Shrub	Simlu	<i>Berberis lyceum</i>	Shrub					It is an excellent tonic for combating ability after malarial & other fevers & diseases	Fruit, roots		



**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					
Ban khori	<i>Aesculus indica</i>	Akhrot	Scattered	Available	Available		Fruit / leaves			
Jungli putna	<i>Mentha arvensis</i>	Putna	Along the Nalla's	Rare	Rare	Medicinal use	Laef	Medicinal Properties		Generally, held by community

**Format-24 Ornamental Plants**

<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>Local Name</b>	<b><i>Scientific Name</i></b>	<b>Variety</b>	<b>Habitat</b>	<b>Commercial / Non-commercial Uses</b>	<b>Associated TK</b>	<b>Any other Detail</b>	<b>Community/ Knowledge Holder</b>
Gandera	<i>Nerium oleander</i>	Local	Near the nalla's	Non-Commercial	N.A		

**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> <i>aurmatum</i>	Local	Forest	Rare	Rare	use for teeth Cleaning/ Medicinal Purpose	Fruit, Branches	-	-	Generally, held by community
Shrub	brankad	<i>Adha toda vesica</i>	Local	Locally present	Rare	Rare	Medicinal purpose	Flower	-	-	Generally, held by community
Shrub	Bana	<i>Vitex negundo</i>	Local	Locally present	Common	Common	use for teeth Cleaning	Branches	-	-	Generally, held by community
Tree	Kiker	<i>Acacia Nilotica</i>	Local	Forest	Common	Common	use for teeth Cleaning	Branches	-	-	Generally, held by community

**Format-26 Timber Plants**

1	2	3	4		5	6	7	8
Local Name	<i>Scientific Name</i>	Habitat	Local Status		Other Uses, if any	Associated TK	Other Details	Community/ Knowledge Holder
			Past	Present				
Chir	<i>Pinus roxburghii</i>	Sub-tropical	Rare	Rare	Roofing, furniture etc.	Whole for different uses		Community
Besa	<i>Salix Alba</i>	Sub-tropical	Common	Common	Roofing, furniture etc.	Whole for different uses		Community/ Farmer
Rein	<i>Quercus Incana</i>	Sub-tropical	Moderate	Moderate	Roofing, furniture etc.	Whole for different uses		Knowledge holder
Tung	<i>Cedrus deodara</i>	Forest	Rare	Rare	Roofing, furniture etc.	Whole for different uses		Knowledge holder
Bair	<i>Ziziphus xylocarpa</i>		Rare	Rare	Roofing, furniture etc.	Whole for different uses		Knowledge holder





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

1	2	3	4	5	6	7		8	9	10	11
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
						Past	Present				
Mammal	Black bear	<i>Ursus thibetanus</i>				Available	Available		Prohibited		Maintains forest ecosystem
Mammal	Leopard	<i>Panther pardus</i>				Available	Available		Prohibited		Maintains forest ecosystem
Bird	House crow	<i>Corvus splendens</i>				Available	Available		Prohibited		Maintains forest ecosystem
Bird	Koel	<i>Eudynamys scolopaceas</i>				Available	Available		Prohibited		Maintains forest ecosystem

12
<b>Community/ Knowledge Holder</b>



**Format 29: FLORA URBAN BIODIVERSITY**

1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	San	<i>Aesculus indica</i>	Tree	Sub-tropical	April-May	Common
2	<i>kikar</i>	<i>Acacia nilotica</i>	Tree	Sub-tropical	April-May	Common
3	Akhrot	<i>Juglans regia</i>	Tree	Sub-tropical	Aug-sept	Common
4	Besa	Salix Alba	Tree	Sub-tropical	May-July	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	crow	<i>Corvus</i>	Bird	Forest	Common
2	Asian Koel	<i>Eudynamys scolopaceus</i>	Bird	Forest	Common
3	Geedar	<i>Canisaureus</i>	Mammals	Forest	Common
4	Manj	<i>Babalus bubalis</i>	Mammals	Shed in house	Common

**Format 31: Any other information of local importance**

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