

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti :** Bhambla

**Taluk:** Pouni

**District :** Reasi

**State:** J&K

**Geographical Area of the Panchayat Samiti:** 539 HECT

**Population under the Panchayat Samiti: Total :** 2423

**Male:** 1257                      **Female :** 1166

**Habitat and Topography:** Kandi area

**Climate (Rainfall, Temperature and weather patterns) :** 38°C in summer and 7°C in winter

**Land Use (Nine fold classification available with village records) :** Agri. Area=53ha & Non-agri. Area=38.8 ha

**Date, Month and Year of PBR Preparation:** 22/08/2020

**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: Anil Kumar

Age: 41

Gender: Male

Address: Bhambla

Area of specialization:

2) Name: Usha Sharma

Age: 35

Gender: Female

Address: Bhambla

Area of specialization:

3)Name: Neelam Kumari

Age: 24

Gender: Female

Address: Bhambla

Area of specialization:

4)Name: Dwarka Parsad

Age: 33

Gender: Male

Address: Bhambla

Area of specialization:

5)Name: Krishan Lal

Age: 65

Gender: Male

Address: Bhambla

Area of specialization:

6)Name: Ram Paul

Age: 50

Gender: Male

Address: Bhambla

Area of specialization:

7)Name: Yashpal

Age: 52

Gender: Male

Address: Bhambla

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 : Usha Devi

Age: 50

Gender: Female

Address: Bhambla

Area of specialization: Ayurveda

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name: Varinder Singh

Age: 55

Gender: Male

Address: Bhambla

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:**

**Age:**

**Gender:**

**Address:**

**Area of specialization:**

**2) Name of the Chairperson:**

**Age:**

**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: 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**

**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>

*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	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>	makki		subtropical		good	good		may-june					
wheat	<i>Triticum aestivum</i>	gehun		subtropical		good	good		rabi					
black gram	<i>Vigna mungo</i>	maa		subtropical		good	good		kharif					
peas	<i>Pisum sativum</i>	rongi		subtropical		good	good		kharif					
potato	<i>Solanum tuberosum</i>	aalu		subtropical		good	good		spring					
cabbage	<i>Brassica oleracea</i>	cabbage		subtropical		good	good		spring					
Ladyfinger	<i>Abelmoschus esculentus</i>	bhindi		subtropical		good	good		kharif					
Tomato	<i>Solanum lycopersicm</i>	tomato		subtropical		good	good		mar-june					
coriander	<i>Coriandrum sativum</i>	dhaniya		subtropical		good	good		all year					
Oats	<i>Avena sativum</i>	oats		subtropical		good	good		autumn					
Paddy	<i>Oryza sativa</i>	rice		subtropical		good	good		Kharif					
Brinjal	<i>Solanum melongena</i>	Brinjal		subtropical		good	good		Rabi					
Okra	<i>Luffa acutangula</i>	turai		subtropical		good	good		summer					
Sesame	<i>Sesamum indicum</i>	til		subtropical		good	good		kharif					
Mustard	<i>Brassica juncea</i>	sarson		subtropical		good	good		rabi					





**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					
Plant	<i>Sorghum bicolor</i>	chari	subtropical	good	good					farmers
Pearl millet	<i>Pennisetum glaucum</i>	bajra	subtropical	good	good					farmers
Barley	<i>Avena fatua</i>	Javi	subtropical	good	good					farmers
Barseem	<i>Trifolium alexandrinum</i>	chattala	subtropical	good	good					farmers
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					
Bhang	<i>Cannabis sativa</i>	bhang			subtropical	good	good					
Congress grass	<i>Parthenium hysterophorus</i>	congress grass			subtropical	good	good					
Stinkweed	<i>D. stramonium</i>	Datura			subtropical	good	good					
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
Drumstick	Moth	<i>Eupterote mollifera</i>	hairy caterpillar						
vegetables	Moth	<i>Noorda blitealis</i>	leaf caterpillar						
cauliflower	bug	<i>Aphis</i>	teeli						
Brinjal	Hadda beetle	<i>Henosepilachna vigintioctopunctata</i>	ladybird						
Guava, citrus	Spiralling whiteflies	<i>Aleurodicus dispersus</i>	bug						
Cabbage	Aphid	<i>Aphidoidea</i>	greenfly						
Grains	Smut	<i>Ustilaginoidea virens</i>	smut						
Rice	Mites	<i>Steneotarsonemus spinki</i>	mite						
Wheat	Yellow rust	<i>Puccinia striiformis</i>	yellow rust						

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
Name of the market & location	Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]	Types of animals bought and sold [2]	Types and Average Number of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish
NIL								

**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
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	Nature of inhabitants	No. of HHs
SC= 5%	Agriculture& labourer									THhs=340
ST= 2%	labourer									
General= 93%	Agriculture& labourer									

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	Management practices	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow land											
Agricultural land=53 ha . About 53 ha is un-irrigated area													
Non- agricultural land= 38.8 ha													

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>
Bowlis			govt. land			drinking						
Handpumps			govt. land									

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





**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						
Woody Tree	Amb	<i>Mangifera indica</i>	local, Malda, Chausa, Fazli, Totapuri	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to August	Sucking, table, processing	Record available in old books.	Own uses and sold in market	Popular in local population.
Woody Tree	Lychee	<i>Litchi chinensis</i>	local	Sub-tropical	Good	Good	Layered plants.	March to July	Table and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
Woody Tree	Amrood	<i>Pidium guajava</i>	Local	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to August, Dec. To January	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
Climber	Angoor	<i>Vitis vinifera</i>	Local, Perlet, Beauty Seedless	Sub-tropical	Good	Good	Cuttings	Feb. To June	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.
Woody Tree	Mosammi	<i>Citrus sinensis</i>	Mosambi, Jaffa, Red Blood	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
Woody Tree	Sangtra	<i>Citrus reticulata</i>	Kinnow, Sangtra	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
Woody Tree	Nimboo	<i>Citrus aurantifolia</i>	Local, Kagzi, Italian, Eureka	Sub-tropical	Good	Good	Grafted Plants	March to Oct.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
Woody Tree	Galgal	<i>Citrus limon</i>	Local	Sub-tropical	Good	Good	Seedling andn Grafted Plants	March to Sept.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.
Woody Tree	Kimb	<i>Citrus medica</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Processing.	Record available in old books.	Own uses and sold in market	Popular in local population.

**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					
Holy Basil	Tulsi	<i>Ocimum tenuiflorum</i>	Local	Subtropical		good	good	antioxidant				Self observed
Aloe vera	Aloe vera	<i>Aloe barbadensis</i>	Local	Subtropical		good	good	antibacterial				Self observed
Curry leaves	curry leaf	<i>Murraya koenigii</i>	Local	Subtropical		good	good	rich source of Vit.A,B,C,B2				Self observed
Bay leaves	bay leaf	<i>Laurus nobilis</i>	Local	Subtropical		good	good	Healthy immune system				Self observed
Mint	pudina	<i>Mentha piperita</i>	Local	Subtropical		good	good	treats stomach woes				Self observed

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	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Sheep	Bhed	<i>Ovis aries</i>	Local	small size, rough coat	Flock rearing	Least concern	Least concern	mutton, wool, manure	Yes	Yes	Bones, skin and gutt	Locals and nomads
Sheep	Bhed	<i>Ovis aries</i>	Rambouillet cross	large size, fine wool	Flock rearing	Least concern	Least concern	mutton, wool, manure	Yes	Yes	Bones, skin and gutt	Locals and nomads
Goat	Bakri	<i>Capra hirus</i>	Local	small size, low body weight	Flock rearing	Least concern	Least concern	Chevon, hair,manure	Yes	Yes	Bones, skin and gutt	Locals and nomads
Goat	Bakri	<i>Capra hirus</i>	Beetal	large size, high body weight	Flock rearing	Least concern	Least concern	Chevon, hair,manure	Yes	Yes	Bones, skin and gutt	Locals and nomads
Goat	Bakri	<i>Capra hirus</i>	Kaghani	large size, high body weight	Flock rearing	Least concern	Least concern	Chevon, hair,manure	Yes	Yes	Bones, skin and gutt	Locals and nomads
Cow	gau	<i>Bos taurus</i>	desi/jersey					Milk, ghee				
Buffalo	Bhains	<i>B. bubalis</i>						Milk				

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					
Freshwater fish	Golden fish	<i>Carassius auratus</i>	carp	two sets of paired fins & three sets of single fins	canals	good	rare					

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					
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits		Medicinal Use	Self observed
Tree	Khair	<i>Accacia catechu</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits	Used in Gastro Problems	Medicinal Use	Self observed
Tree	Garna	<i>Carissa spinarum</i>	Shrubs	Sub -tropical	Available	Available	Own Use	Fruits			Self observed
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Sub -tropical	Available	Available	Own Use	fruits/wood	Used for Diabetes		Self observed
Tree	Amb	<i>Mangifera indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Soyanjana	<i>Moringa oleifera</i>	Tree	Sub -tropical	Available	Available	Own Use	Fruits/Wood			Self observed
Tree	Tunnu	<i>Toona ciliata</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Neem	<i>Azadirachta indica</i>	Tree	Sub -tropical	Available	Available	Own Use	Wood			Self observed
Tree	Aqli	<i>Phyllanthus emblica</i>	Tree	Sub -tropical	Available	Available	Own Use	wood			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		Khair	<i>Acacia catechu</i>	Social and Economic	Available
2		Exotic Acacia	<i>Acacia farnesana</i>	Social and Economic	Available
3		Kikkar	<i>Acacia nilotia</i>	Social and Economic	Available
4		safed Siris	<i>Albizzia procera</i>	Social and Economic	Available
5		kala siris	<i>Albizzia lebbek</i>	Social and Economic	Available
6		Kawar gandal	<i>Aloe barbandensis</i>	Social and Economic	Available
7		Chaleri Saag	<i>Amaranthus viridis</i>	Social and Economic	Available
8		Neem	<i>Azadirachta indica</i>	Social and Economic	Available
9		bamboo	<i>Bambusa bamboos</i>	Social and Economic	Available
10		Bhang	<i>Cannabis sativa</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				
Barrain	<i>Acorus calamus</i>		Medicinal herb	Aquatic	good	good	gastritis			
Akk	<i>Ipomea carnea</i>		bush	Aquatic	good	good	anticancer			
White Water lily	<i>Nymphaea spp</i>			Aquatic	good	good	diarrhea			
Waterhyme	<i>Hydrilla spp</i>			Aquatic	good	good				
Water hyacinth	<i>Eichornea crassipes</i>			Aquatic	good	good				
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					
Tree	Kikar	<i>Acacia nilotica</i>	Wild	Sub-Tropical	Available	Available		stop gingivitis			
Tree	Neem	<i>Azadirachata indica</i>	Wild	Sub-Tropical	Available	Available		leprosy			
Tree	Simbal	<i>Bambax ceiba</i>	Wild	Sub-Tropical	Available	Available					
Herbs	Bhang	<i>Cannabis sativa</i>	Wild	Sub-Tropical	Available	Available		treats anxiety			
Tree	Jamun	<i>Syzygium cumini</i>	Wild	Sub-Tropical	Available	Available		increases hb			
Tree	Imli	<i>Tamarindus indica</i>	Wild	Sub-Tropical	Available	Available		treats indigestion			
Herbs	Giloe	<i>Tinospora sinensis</i>	Wild	Sub-Tropical	Available	Available		detoxify blood			

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	Available					
Jangli Putna	<i>Mentha arvensis</i>		Sub-Tropical	Available	Available					
Wild onion	<i>Allium canadense</i>		Sub-Tropical	Available	Available					
Wild oats	<i>Avena fatua</i>		Sub-Tropical	available						

Note: Other details may include 'function as a substitute plant' in the absence of a particular plant



**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					
Herb	Bhrami buti	<i>Centella asiatica</i>		Sub-Tropical	good		treat respiratory problems	leaf			Gardeners
Herb	Khas khas	<i>Chrysopogon Zizanoides</i>		Sub-Tropical	good		boosts immune system	Seeds			gardeners
Tree	Amar bel	<i>Cuscuta reflexa</i>		Sub-Tropical	good		Treats gastrointestinal problems	seeds			Gardeners
Tree	Amla	<i>Phyllanthus emblica</i>		Sub-Tropical	good		Prevent viral infections	Berries			Gardeners
Tree	Imli	<i>Tamarindus indica</i>		Sub-Tropical	Good		Stomach disorders	fruit			Gardeners
Herb	Pudina	<i>Mentha arvensis</i>		Sub-Tropical	Good		Treats stomach woes	leaves			Gardeners
Shrub	Tulsi	<i>Ocimum sanctum</i>		Sub-Tropical	Good		Ayurvedic medicines	leaves			Gardeners











**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.)

**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**

1	2	3
Sr. No.	Information of local importance	Remarks
	none	

*End of Part II*