

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti:** Gatha

**Taluk:** Bhaderwah

**District:** Doda

**State:** J&K UT

**Geographical Area of the Panchayat Samiti:** 216.5 Hac.

**Population under the Panchayat Samiti:** 2008

**Male:** 1085

**Female:** 923

**Habitat and Topography:**

**Climate (Rainfall, Temperature and weather patterns):**

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

**Date, Month and Year of PBR Preparation:**

**Management Regime:** Reserve Forest (RF)/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM):-

**Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by the body ; not less than one third to be women and not less than 18% belonging to SC/ST)****1)Name of the Chairperson:** Shabir Ahmed Khan (9622799562)**Age:** 55**Gender:** Male**Address:** Gatha**Area of specialization:** Agriculture**2) Name:** Kalash Kumar (7298180627)**Age:** 58**Gender:** Male**Address:** Village Gatha**Area of specialization:** Business**3) Name:** Maryam Begum (ST) (7051955412)**Age:** 46**Gender:** Female**Address:** r/o Laksuru Panchayat Gatha**Area of specialization:** Household**4)Name:** Sheshma Devi (SC) (6005545809)**Age:** 32**Gender:** Female**Address:** r/o Laksuru Panchayat Gatha**Area of specialization:** Household**5)Name:** Ranjat Singh Parihar (9797507774)**Age:** 58**Gender:** Male**Address:** Village Gatha**Area of specialization:** Agriculture**6)Name:** Altaf Khan (9906122200)**Age:** 70**Gender:** Male**Address:** Gatha**Area of specialization:****7)Name:** Nureddar Singh (9906103002)**Age:** 69**Gender:** Male**Address:** Panchayat Gatha**Area of specialization:** Sericulture**8)Name:** Parveen Kousar (7889417229) (Member Secretary)**Age:** 20**Gender:** Female**Address:** Green Colony**Area of specialization:** Secretary Panchayat

<b>List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources within the jurisdiction of the village</b>
<b>1)Name:</b>
<b>Age:</b>
<b>Gender:</b>
<b>Address:</b>
<b>Area of specialization:</b>
<b>Location from which the person accesses biological material:</b>
<b>Perception of the practitioner on the resource status:</b>
<b>Medicinal Use:</b>
<b>2) Name:</b>
<b>Age:</b>
<b>Gender:</b>
<b>Address:</b>
<b>Area of specialization:</b>
<b>Location from which the person accesses biological material:</b>
<b>Perception of the practitioner on the resource status:</b>
<b>Medicinal Use:</b>
<b>3)Name:</b>
<b>Age:</b>
<b>Gender:</b>
<b>Address:</b>
<b>Area of specialization:</b>
<b>Location from which the person accesses biological material:</b>
<b>Perception of the practitioner on the resource status:</b>
<b>Medicinal Use:</b>

List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries and forestry

1) Name of the person: Altaf Hussain Khan

Age: 71 yrs

Gender: Male

Address: Gatha

Area of specialization: Retd. Principal (Educationalist )

2) Name of the person: Joginder Sharma

Age: 71 yrs

Gender: Male

Address: Gatha

Area of specialization: Retd. From Agriculture Department

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

**Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals in preparation of the PBR**

**1) Contact Person:** 7889417229

**Name and Address:** Parveen Akhter r/o Bhaderwah

**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**

**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 Sown	Local Status		Special features	Cropping Season	Uses	Associated TK	Other Details	Source of Seeds / Plants	Community /Knowledge Holder
						Past	Present							
Rice	<i>Oryza sativa</i>		Veliyan	Low Land valleys		Plenty	Rare	Tall variety high yield Resistant to drought, flood, pest & Disease		Food Fodder roofing Fuel	Provides More energy	Suitable for Valicha Cultivation	Market & Panchayat	Kurichiya Kuruma W. Chetty
Maize	<i>Zea mays</i>	Kukdi	White/ Red	Low Land valleys		Plenty	Rare	Tall variety high yield Resistant to drought, flood, pest & Disease		Food Fodder roofing Fuel	Provides More energy	Suitable for Valicha Cultivation	Market & Panchayat	Kurichiya Kuruma W. Chetty

**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 markt / own use	Community /Knowledge Holder
					Past	Present						
Apple	<i>Malus domestica, borkh</i>	Saib	Red Delicious, Golden Delicious, Maharaji, American etc.	Temperate Hills	Rare	Plenty	Nurseries	Aug-Oct	Tree, regular bearing	Fruit, Economy Generation	Marketing, Own use	
Pear	<i>Pyrus spp.</i>	Nakh	Patharnakh, China pear	Mid Hills	Plenty	Plenty	Nurseries	Aug-Sep	Tree, regular bearing	Fruit, Economy Generation	Marketing, Own use	
Peach	<i>Prunus persica (L) batsch</i>	Aaroo	July Elberta, Quetta	Mid Hills	Rare	Rare	Nurseries	June-July	Tree, regular bearing	Fruit	Marketing, Own use	
Apricot	<i>Prunus armeniaca</i>	Khubani, Sadi	Local apricot, Bebco	Mid Hills	Plenty	Plenty	Nurseries	June-July	Tree, regular bearing	Fruit	Own Use	
Walnut	<i>Juglans regia</i>	Akhrot	Paper/Thin Shelled, Hard & Medium Shelled	Temperate Hills	Plenty	Plenty	Nurseries& Locally raised	Sept-Oct	Tree, regular bearing	Dry-fruit, Economy generation	Marketing, Own use	
Plum	<i>Prunus salicina</i>	Aaloo Bukhara	Santa rosa. Aloo Bukhara	Mid Hills	Rare	Rare	Nurseries& Locally raised	July-Aug	Tree, regular bearing	Fruit	Own use	
Pecannut	<i>Carya illinoensis</i>	Pecan	Western shell	Rare	Rare	Nurseries	Sept-Oct		Mid/temperate hills	Dry Fruit	Marketing	
Plum	<i>Prunus salicina</i>	Aaloo Bukhara	Santa rosa, Allo Bukhara	Rare	Rare	Nurseries, locally raised	July-august		Mid Hills	Fruit	Maketing, own use	
Pomergranate	<i>Pumica granatum</i>	Anar	–	Tree, Regular bearing	Mid Hills	Rare	Rare	Locally Raised	August-September		Fruit	Own use
Cherry	<i>Prunus tormentosa</i>	Cherry	–	Tree, Regular bearing	Mid Hills	Rare	Rare	Locally Raised	June- July		Fruit	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 Seeds / Plants	Associated TK	Part Used	Other Details	Community /Knowledge Holder
				Past	Present					
Oats	<i>Avena sativa</i>	Ghaas	Temperate/ Intermediate	Local varieties	Improved varieties	Self	Stored in locally made indigenous structure called "Tye"	Crop	NA	NA
Berseem (Egyptian Clover)	<i>Trifolium alexandrinum</i>	Gjaas	Irrigated areas	NA	Improved varieties	Self	NA	Crop	NA	NA

**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					
Ipomoea	<i>Ipomea spc.</i>	Zeharbael	Maize	Destroys the plant	Temperate and Intermediate	No weed management`	Scientific based weed management	Nil	Proper and timely removal	Nil	NA	NA
Ipomoea	<i>Ipomeaaqatica</i>	Ghaas	paddy	Destroys the plant	Temperate and Intermediate	No weed management`	Scientific based weed management	Nil	Proper and timely removal	Nil	NA	NA
Celosia	<i>Celosia Argentina</i>	Neeli	Paddy	Destroys the plant	Temperate and Intermediate	No weed management`	Scientific based weed management	Nil	Proper and timely removal	Nil	NA	NA

### Format-5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	Insect /Animals	Scientific Name	Local Name	Habitat	Time / Season of Attack	Management mechanism	Associated TK	Other Details	Community /Knowledge Holder
	Leaf folder	<i>Cnaphalocracis</i>	Patta Modak	Paddy fields	Tillering stage/ monsoon	Dragging rope across the field, light traps, spraying chloropyrifos, cypermethrin or cartap hydrochloride to kill the larvae	Clipping of upper portion of seedlings	NA	NA
Paddy	Stem Borer	<i>Scirpophaga incertulas</i>	Tanna shedak	Paddy fields	July to September	Soil solarisation in May or June. Cartap hydrochloride 4G @1.25kg/Kanal or carbofuran 3G @1Kg/Kanal`	NA	ETL 5% dead heart	NA
	Aphids	<i>Sitobin avenae</i>	Tella	Polyphagous	Feb-April	Proper spray of insecticides	NA	NA	NA
	Pink stem borer	<i>Sesamia inferns</i>	Ludi	Polyphagous/ debris	Nov-feb	Field sanitisation and continuous removal and destruction of infected plants	NA	NA	NA
Wheat	Termites	<i>Odontotermis</i>	Sink	Polyphagous/ sandy and loamy soils	Kharif	Field sanitisation and continuous removal and destruction of infected plants	NA	NA	NA
	Stem borer	<i>Chilo partellus</i>	Ludi	Polyphagous	Kharif	Field sanitisation and continuous removal and destruction of infected plants	NA	NA	NA
Maize	Corn worm	<i>Helicoverpa armigera</i>	Sundi	Maize cobs	Kharif	Field sanitisation and continuous removal and destruction of infected plants. Installing pheromone traps @ 6-10/acre	NA	NA	NA

**Format 6: Markets for Domesticated animals**

1	2	3	4	5	6	7	8	9
<b>Name of the market &amp; location</b>	<b>Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]</b>	<b>Types of animals bought and sold [2]</b>	<b>Types and Average Number of animals transacted in a day</b>	<b>Places from which animals are brought</b>	<b>Places to which the animals are sold / transported</b>	<b>Name and location of fish market</b>	<b>Types of fishes sold</b>	<b>Source of fish</b>

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
Total Household 2000	Govt. Employees	Farming	Farmlands	Do	Do	Timely & Proper fertilizers, Insecticides, fungicides and anti-bacterial sprays	GEN	NA	NA	700
	Farmers	Farming	Farmlands	Do	Do	Do	SC	NA	NA	550
	Farmers	Farming, Animal Husbandry	Farmlands	Do	Do	Do	GEN	NA	NA	300
	Farmers	Farming, Animal Husbandry	Farmlands	Do	Do	Do	ST	NA	Na	150
	Govt. Employees	Agriculture, Horticulture	Farmlands	Traditional Practices and accessed mainly	Land leveling, Terrace farming	Do	ST/SC	NA	N	150/ 150

**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											
2500 Kanal													

Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements







**Format 11: Fruit Trees**

1	2	3	4	5	6	7		8	9	10	11	12	13
Plant	Scientific Name	Local Name	Variety	Habit	Landscape / Habitat	Local Status		Source of Seeds / Plants	Season of fruiting	Associated TK	Uses	Other Details markt / own use	Community / Knowledge Holder
						Past	Present						
Apple	<i>Malus domestica, borkh</i>	Saib	Red Delicious, Golden Delicious, Maharaji, American etc.	Tree, regular bearing	Temperate Hills	Rare	Plenty	Nurseries	Aug-Oct	Fruit, Economy Generation		Marketing, Own use	
Pear	<i>Pyrus spp.</i>	Nakh	Patharnakh, China pear	Tree, regular bearing	Mid Hills	Plenty	Plenty	Nurseries	Aug-Sep	Fruit, Economy Generation		Marketing, Own use	
Peach	<i>Prunus persica (L) batsch</i>	Aaroo	July Elberta, Quetta	Tree, regular bearing	Mid Hills	Rare	Rare	Nurseries	June-July	Fruit		Marketing, Own use	
Apricot	<i>Prunus armeniaca</i>	Khubani, Sadi	Local apricot, Bebco	Tree, regular bearing	Mid Hills	Plenty	Plenty	Nurseries	June-July	Fruit		Own Use	
Walnut	<i>Juglans regia</i>	Akhrot	Paper/Thin Shelled, Hard & Medium Shelled	Tree, regular bearing	Temperate Hills	Plenty	Plenty	Nurseries & Locally raised	Sept-Oct	Dry-fruit, Economy generation		Marketing, Own use	
Plum	<i>Prunus salicina</i>	Aaloo Bukhara	Santa rosa. Aloo Bukhara	Tree, regular bearing	Mid Hills	Rare	Rare	Nurseries & Locally raised	July-Aug	Fruit		Own use	
Persimmon	<i>Dios pyrus</i>	Amlook	Local	Tree, regular bearing	Mid/ temperate hills	Rare	Rare	Locally raised	July-august	fruit		Marketing	

**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	Location Status		Uses (usage)	Part used	Associated TK	Other details market/own use	Community know Holders
						Past	Present					
Herb	Tamatar	<i>Solanumlycoper sicum</i>	Local	Temperate	Cultivated	available	Available	To reduce heart diseases, kidney stones and gall bladder stones	Fruit	Cure heart and stone diseases	Fruit	
Herb	Dhaniya	<i>Coriandrum sativum</i>	local	Temperate	Cultivated	Available	Available	Used for loss of appetite,tooth aches	Seeds	Cure pain	Seeds	
Herb	Pudina	<i>Mentha spicata</i>	Local/wild	Temperate	Cultivated/ naturally grown	available	Available	To cure infection	Leaf	Cure infection	both	
Herb	Pyaz	<i>Allium cepa local</i>	Temperate	Cultivated	available	Available	To cure cold and cough	Roots	To relive cough and cold	Extract	both	
Herb	Lahsun	<i>Allium sativum</i>	Local	Temperate	cultivated	Available	Available	To cure wounds	Whole plant	Used for wounds	As such	
Herb	Green Chilly	<i>capsicum annuum</i>	Local	Temperate	cultivated	Available	Available	To improve immune system	entire	Improve eye site	Fruit	





### 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	Desi Baschi	<i>Bos indicus</i>	Local	Humped	Free range & stall Feeding	Plenty	Decreased	Female for milk & male for draught	Nil	No	Milk, Butter, curd, Ghee, Desi klari, Paneer etc	All
Cattle	Jersey	<i>Bos taurus</i>	CB Jersey	Dished Face	Free range & stall Feeding	Vey Few	Increased	Female for milk & male for draught	Nil	No		All
Cattle	Doraghi	<i>Bos taurus</i>	CB HF	B/W spotted	Free range & stall Feeding	Vey Few	Increased	Female for milk & male for draught	Nil	No		All
Buffalo	Bhain	<i>Bubalus bubalis</i>	Desi/ Local	N.D	Free range & stall Feeding	Vey Few	Very few	Female for milk & male for draught	Nil	Nil	GMilk, Butter, curd, Ghee, Desi klari, Paneer etc	Gujjar
Equine	Khacchar/ Ghoda	<i>Equus caballus</i>	N.D	Height kess than 9 hands	Intensive	Abundant	Decreased	Draught purpose	Nil	No	Riding purpose	All
Canine	Jkuttar	<i>canis familiaris</i>	Local	N.D	Stray	Abundant	Abundant	Guarding purpose	Nil	Nil	Nil	Non specific
Feline	Balai	<i>Felis catus</i>	N.D	Grey coloured	Stray	Abundant	Abundant	To Kill rats	Nil	Nil	Nil	Non specific
Poultry	Kukkar	<i>Gallus domesticus</i>	Desi/ Local	Enriched meat flavour	Intensive, Free range, Backayard	Abundant	Decreased	Egg, meat	Nil	No	Egg, meat	All
Poultry	Farmi murgi	<i>Gallus domesticus</i>	Chabro Cross	Good egg yielder		Vey Few	Increased	Egg, meat	Nil	No	Egg, meat	All









**Format 19: Wild Plant Species of Importance**

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic,social,cultural etc.)	Status
1	Kulmech	<i>Viburnum grandiflorum</i>	Wild Plant	Wild animals feed upon the fruit of this plant like Beer etc	-
2	Bhrami	<i>Taxus baccata</i>	Wild Plant	Medicinal Plant and used to cure cancer	-

**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				
Rainbow trout	<i>Salmo gairdneri</i>	Introduced	Body comparatively stout and deep, two dorsal fins present, 1st having soft rays and 2 <sup>nd</sup> one adipose, a red rainbow like band present on sides, Lateral line present & innumerable black spots found on lateral line	Colder pockets, snow fed areas	Found in newly established nalthe, sharekhi, jai, thanalla, binkot, Chilli and dessaNallah	Commercially Important Fish Food and sports fish (angling)		Mode of catching : Rod Availability : Round the year Breeding Season : December to February	Fisheries Deptt. & Anglers	



















**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	Ass. TK	Mode of hunting	Other details	Community/ Knowledge Holder
						Past	Present					
Mammals	Chitra	<i>Panthera pardus</i>	Forest	Endangered	Winter season	Least	More	-	-	Weapon	endangered	-
Mammal	Bhalu	<i>Ursus americanus</i>	Forest	-	summer	Least	More	-	-	Weapon	-	-
Mammal	Fox	<i>Vulpes vulpis</i>	Forest	-	All season	More	More	-	-	Weapon	-	-
Mammal	Monkey	<i>Macaque</i>	Forest	-	All season	More	More	-	-	Weapon	-	-
Birds	Gid	<i>Gyps africanus</i>	Forest	Critically Endangered	All season	Least	Least	-	-	Weapon	Critically Endangered	-
Birds	kabutar	<i>Columba livia</i>	Forest	-	All season	More	More	-	-	Weapon	-	-
Reptile	Saanf	<i>Ptyas mucosa</i>	Forest	-	summer	More	More	-	-	Stick	-	-
Reptile	Saanf	<i>Lycodon Mackinnoni</i>	Forest	-	Summer	More	More	-	-	Stick	-	-
Lizards	chipkali	<i>Hemidactylus brookii</i>	Forest/Local	-	Summer	More	More	-	-	Stick	-	-
Aquatic	Fish	<i>Trout</i>	Pond / Nalla	-	all	More	More	-	-	Hook n Net	-	-
Insects	Spider	<i>Araneae</i>	Local/ forest	-	all	More	More	-	-	-	-	-
Insects	Ant	<i>Formicide</i>	Local/ forest	-	all	More	More	-	-	-	-	-

**URBAN BIODIVERSITY**

**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.)

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

1	2	3
Sr. No.	Information of local importance	Remarks
1	Gatha Jamia Masjid	

*End of Part II*