

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

Name of the Panchayat Samiti: Hari Budha Lower

Taluk/Tehsil: Lassana

District: Poonch

State/UT: Jammu And Kashmir

Geographical Area of the Panchayat Samiti:

Population Of the Panchayat samiti...Total 3000

Male=1800

Female = 1200

Habitat and Topography: Hilly area

Climate (Rainfall, Temperature and other weather patterns): Moderate Temperature & Rain Fall

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

Date, Month and Year of PBR preparation: 19-09-2021





## 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 Iqbal

Age: 32 years

Gender: male

Address: Hari Budha Lower, Ward No. 7

Area of specialization: Agriculture & Forestry

2) Name : Suddam Hussain

Age: 24 years

Gender: Male

Address: Hari Budha Lower, Ward No. 7

Area of specialization: Agriculture

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							
Rice	<i>Oryza sativa</i>	Chawal	G-14, K-39	Lower land, Sub tropical		Rare	Rare	Medium height	Food as fodder	Food as fodder	Stable food		Preserves or Agricultural deptt.	Farmers
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
Maize	<i>Zea mays</i>	Maki	Kh-5/7	Hilly & Lower hills		Common	Common	HVY resistant to drought/Lodging	Khariief	Food Fodder	Staple food	Not-known	Agricultural deptt.	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						
Tree	<i>Juglans Regia</i>	Khore	Khagzi	Sub-tropical	Rare	Rare	Nurseries	Aug-Oct		Dry fruits		Farmer or community
Tree	<i>Psidium guajava</i>	Amrud	Local	Tropical & plain areaa	Common	Rare	Agriculture deptt	July-Sep		Fruits, medical uses		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	Agri Deptt./ Local	Nutritious	Whole part	Suitable for fodder	Knowledge holder/ Farmers
Herb	<i>Zingiber officinale</i>	Adrak	Tropical - Subtropical	Common	Common	Agricultural deptt./ seeds	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-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					
Shrubs	<i>Aristea ecklonii</i>	Nela kida	Maize, vines, grasses, wheat	Whole crops	Sub-tropical to Intermediate	Rare	Common		Chemicals/ Mammals		Local	Farmers
Shrubs	<i>Echinochloa colona</i>	Ghass	All crops		Sub-tropical to Intermediate	Common	Common		Chemicals/ Pesticides		Local	Farmers
Shrubs	<i>Parthenium hysterophorus</i>	Congress Grass	All crops	All crops	Sub-tropical to Intermediate	Rare	Common		Chemicals		Local	Farmers / Knowledge holder

**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	Cabbage cooper	Trichopusa	Nela kida	Sub Tropical	When vegetables grown & ripens	Chemical control/ Pesticides		Feed on crop leaves	Farmers / Knowledge holder
Vegetables	Snails	<i>Cornu aspersum</i>	Bleete	Tropical	During winter season	Pesticides/ Mechanical control		Feed on crop stem	Farmers
All crops	Monkey	Macaca Mulatta	Bander	Sub Tropical	Ripens of crops	Chemical control		Feed on crop leaves & fruits	Farmers

**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	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil



**Format-8 Landscape**

<b>Format-8 Landscape</b>													
<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>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>Major Landscapes</b>			<b>Sub - Landscapes</b>	<b>Feature s and approx. area</b>	<b>Ownership</b>	<b>General flora</b>	<b>General fauna</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>
<b>Agricultural land</b>	<b>Pond</b>	<b>Fallow land</b>											
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
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	-	-	-

**Format 11: Fruit Trees**

1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Local Name	<i>Scientific Name</i>	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						
Herb	Druni	<i>Punica granatum</i>	Local	Sub-tropical	Rare	Rare	Nurseries	Jan-July	Fruits/ Medicinal use	Medicinal	Own use	Knowledge holder
Tree	Bagu Gosha	<i>Pyrus spp.</i>	Pathar pan	Sub-tropical	Rare	Common	Nurseries	Aug-Sept	Fruits	Medicinal	Market Use	Farmers/ Knowledge holder
Tree	Seb	<i>Malus domestica</i>	Red delicious	Temperate	common	Common	Agri. Deptt	Aug-Sept	Fruits/ Medicinal use	Medicinal	Own /Market use	Farmers
Tree	Akhroot	<i>Junglans regia</i>	kagazi/ Hard shell	Mid hill	Rare	Common	Agri. Deptt	Aug-Sept	Dry fruits	Medicinal	Market Use	Knowledge holder / Farmers

**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	Trimuru	<i>Zanthoxylum aurmatum</i>	Local	Sub-tropical	Seed	Abundant	Abundant	Good for Cleaning Teeths.	Stem / Seed	Medicinal uses	N.A	Generally, held by community
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>	Local	Sub-tropical	Seed	Rare	Rare	Medicinal use	Fruit,Leaves	N.A	N.A	Generally, held by community
Herb	Simlu	<i>Berberis lyceum</i>	Local	Sub-tropical	Naturally	Common	Common	Edible	Fruits, leaves, Bark	Medicinal purposes		Community/ Farmers
Shrubs	Fagwari	<i>Ficus palmata</i>	Local	Sub-tropical	Naturally	Common	Common	Medicinal use	Fruits, Bark	Medicinal purposes		Knowledge holder



**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	Pinus roxburghii	Sub-tropical	Rare	Rare	Wild	Roofing, furniture etc.	nil	nil	
Trees	Rein	Quercus incana	Sub-tropical	Rare	Common	Wild	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	Manj	<i>Bubales bubalis</i>	Hybrid	Short tail	Shed	Rare	Common	Milk, Mutton				Farmers
Mammal	Gaiya	<i>Bos Taurus</i>	Local	Long horn	Cow Shed	Common	Common	Milk				Farmers
Mammal	Bhead	<i>Orisaries</i>	Local	Short horn	Shed	Common	Common	Wool, Milk, Mutton				Farmers
Mammal	Bakari	<i>Capra Aegagrus</i>	Hybrid	Short horn	Shed	Common	Common	Wool/ Milk, Mutton				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	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	Kainth	<i>Pyrus paschia</i>	Trees	Sub-Tropical	Rare	Rare	own	Leaves	nil	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	Tooth	<i>Morus alba</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	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
	Anardana	<i>Punica granatum</i>	Shurbs	Sub-Tropical	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	Thor/Shuu	<i>Euphorbia royleana</i>	Shurbs	Sub-Tropical	Rare	Rare	own	Stem	nil	nil	Generally, held by community

Shurbs	Bhang	Canabis sativia	Shurbs	Sub-Tropical	Abundant	Abundant	own	Leaves	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			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	Bhang	<i>Cannabis sativa</i>	Wild	Economic, social	
2	Jungali anar	<i>Punica granatum</i>	Wild	Economic and social	
3	Simlu	<i>Berberis lyceum</i>	Wild	Economic, Social, Medical purposes etc	
4	Jungali Gulab	<i>Rosa macrophylla</i>	Wild	Economic , cultural	
5	Kooch	<i>Viburnum grandiflorum</i>	Wild	Economic and 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				
Sona Machhli	<i>Barillius sp.</i>		omnivorous body very long and much compressed sides irregularly marked with numerous incomplete oblique spots		Common	Rare				

**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-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>	Local	Forest	Rare	Rare	use for teeth Cleaning/ Medicinal Purpose	Fruit, Branches	-	-	Generally, held by community
		<i>aurmatum</i>									
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
Rein	<i>Quercus Incana</i>	Forest	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 xylopyrus</i>	Sub-tropical	Rare	Rare	Roofing, furniture etc.	Whole for different uses		Community/ Knowledge Holder
Besa	<i>Salix Alba</i>	Sub-tropical	Common	Common	Roofing, furniture etc.	Whole for different uses		Community/ Farmer





**Format - 28. Wild Animals (Mammals, Birds, Reptiles, Amphibians, 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)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						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	

**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	San	<i>Aesculus indica</i>	Tree	Sub-tropical	April-May	Common
2	Besa	<i>Salix Alba</i>	Tree	Sub-tropical	Mar-July	Common
3	Kiker	<i>Acacia Nilotica</i>	Tree	Sub-tropical	April-May	Common
4	Akhrot	<i>Juglans regia</i>	Tree	Sub-tropical	Aug-Sept	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	Manj	<i>Babalus bubalis</i>	Mammals	Cow shed	Common
2	Asian Koel	<i>Eudynamys scolopaceus</i>	Birds	Forest	Common
3	Ged	<i>Canis aureus</i>	Mammals	Forest	Common
4	Cova	<i>Corvus splendens</i>	Birds	Forest	Common



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

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