

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Katheel Ganju East

Taluk: Ramnagar

District: Udhampur

State: J&K UT

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total 2364

Male: 1260

Female: 1104

Habitat and Topography: Hilly

Climate (Rainfall, Temperature and weather patterns) Weather Patterns

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: 24-08-2020

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

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: Darminder Singh S/o Sansar Singh

Age: 43 yrs

Gender: Male

Address: Tatodi Kathil East

Area of specialization:

2) Name: Darshan Singh S/o Durga Ram

Age: 50 yrs

Gender: Male

Address:

Area of specialization:

3)Name: Seema Sharma W/o Yashpal

Age: 50 yrs

Gender: Female

Address: Kathil East

Area of specialization:

4)Name: Anuradha W/o Parveen Singh

Age: 26 yrs

Gender: Female

Address: Kathil East

Area of specialization:

5)Name: Thakur Dass S/o Naka

Age: 61 yrs

Gender: Male

Address: Kathil East

Area of specialization:

6)Name: Shibil Singh S/o Dhani Ram

Age: 62 yrs

Gender: Male

Address: Kathil East

Area of specialization:

7)Name: Sandok Singh S/o Dharam Singh

Age: 67 yrs

Gender: Male

Address: Kathil East

Area of specialization:

List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources within the jurisdiction of the village

1) Name :

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

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:

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

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 (hectare)	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	Lowland valleys		Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases		Food Fodder Roofing Fuel	Provides more energy	Suitable for “Valicha” cultivation		Kurichiya Kuruma W. Chetty
Maize	<i>Zea mays</i>	Muck	Improved Varieties only	Hilly	241.65	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Kharif	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department
Wheat	<i>Triticum aestivum</i>	Kank	Improved Varieties only	Hilly	25	Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases	Rabi	Food Fodder	Provides more energy	-	Farmers / Department/ Private dealers	Farmers/ Department

The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 ‘other details’ vary with the nature of crops. For measuring local status, there need to identify a particular year – significant changes in ecology occurred – and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation practices, propagation techniques, usage etc can be included in the column 8, in associated TK.

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					
Sorghum	<i>Sorghum spp.</i>	Cherri	Hilly	Abundant	Abundant	Farmers / Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Maize	<i>Zea mays</i>	Makki	Hilly	Abundant	Abundant	Farmers / Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	Farmers
Bajra	<i>Pennisetum americanum</i>	Bajra	Hilly	Abundant	Abundant	Farmers / Department	Nutritious & palatable fodder, Source of energy for animals	Above ground part of plant	Fodder	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					
Dub Grass	<i>Cynodon - dactylon</i>	Dub Grass	Rabi/ Kharif		Hilly	Abundant	Abundant	Fooder	Mechanical, Chemical	-	Agri. & wasteLand	Farmers
Wild oats	<i>Avena fatua</i>	Jangli Javi	Oats		Hilly	Abundant	Abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers
Wild Rice	<i>Echinochloa colona</i>	Swanki	Paddy		Hilly	Abundant	Abundant	Fooder	Above ground parts	-	Agri. & wasteLand	Farmers

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

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
NO ORGANISED MARKET								

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
		Animal Husbandry	Ariculture Landscape	Angriculture Resources of different nature	Plantation Construction of Road Check dams etc	Seasonal Practices	Sc, St, EWS	Normal	Permanent	

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
Major Landscapes			Sub - Landscapes	Features and approx. area	Ownership	General Flora	General Fauna	User groups	Management Practices	General Uses	Associated TK	Other Details
Agricultural Land	Pond	Fallow Land										
Agricultural Land	Maize orchad vegetable	Open land close land garden	Private	Wheat Maize, Bajra	Monkey, Rabbit, Porcupine, Rat, Pigeon, Sparrow	Locals	Crop ratation terrace farming	Food, oil, fodder vegetable			Locals	
Fallow Land			State/ Forest		Monkey, Rabbit, Porcupine, Rat, Pigeon, Sparrow	Locals					Locals	
Pond		Standing wtare for habitat for plants and animal	State, Forest and private	Algea pteridophytes fungal water lillies, grass etc	Fishes, frog snails. Snakes. Leech etc	Locals	De-silting dredging, blue pond dye etc	Drinking and irrigation purpose			Locals	

The above information is not exhaustive and relevant additional information to be filled up by the concerned departments.

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
Waterscape Element Type	Sub- Type	Features and Approx Area	Ownership	General Flora	General Fauna	Major Uses	User Groups	Management Practices	General Uses	Associated TK	Other Details
Pond		Standing water for habitat of plants and animal	Forest and Private	Algae, water hyacinth fern water lillies	Fishes, frog mosquito, snakes etc	Irrigation and drinking	Locals	Desilting blue pond dye dredging			Locals, wild animal
Nallah			Forest and Private	Algae, water hyacinth fern water lillies	Fishes, frog mosquito, snakes etc	Irrigation and drinking	Locals				Locals, wild animal
Bowli		Drinking Water	Forest and Private	Algae		Domestic	Locals				Locals, wild animal

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

13
Community Accessed

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
Brown Soil	Brown pine Particles	Water holding capacity		Kharif & Rabi Crops	Earth worm bacteria fungi algae		
Alluvail Soil	Light brown porous	Water holding capacity		Kharif & Rabi Crops	Earth worm bacteria fungi algae		
Red Soil	Red	Water holding capacity		Cactus species Ganira Agave etc	Nematode around worm scorpion lichen		
Rockey Soil	Black	Hard texture		Bryophyte	Mosses, Lichen fungi alage		

The above information is not exhaustive and relevant additional information to be filled up by the concerned departments.

Format 11: Fruit Trees											
1	2	3	4	6	7		8	9	10	11	12
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
					Past	Present					
Herbs	Jungli Pudina	<i>Mentha</i>		Lower Shiwalik	Abundant	Abundant	Roots		Leaves	NA	NA
Shrub	Branked	<i>Adhatoda vasica</i>		Lower Shiwalik	Abundant	Abundant	Seeds		Leaves	NA	NA
Shrub	Drainkdu	<i>Murraya koenigii</i>		Lower Shiwalik	Rare	Rare	Seeds		Leaves	NA	NA
Shrub	Thor	<i>Euphorbia royleana</i>		Lower Shiwalik	Abundant	Abundant	Seeds		Leaves	NA	NA
Tree	Amla	<i>Phyllanthusemblica</i>		Lower Shiwalik	Abundant	Abundant	Seeds		Leaves Fruit	NA	NA
Tree	Bair	<i>Ziziphus mauritiana</i>		Lower Shiwalik	Rare	Rare	Seeds		Steam	NA	NA
Tree	Drainkdu	<i>Melia azedarach</i>		Lower Shiwalik	Abundant	Abundant	Seeds		Leaves	NA	NA
Tree	Jamun	<i>Syzygium cumini</i>		Lower Shiwalik	Abundant	Abundant	Seeds	Maintain Sugar level in Human	Leaves Fruit	NA	NA
Tree	Mango	<i>Mangifera indica</i>		Lower Shiwalik	Abundant	Abundant	Seeds		Stem/Friut	NA	NA
Tree	Arjun	<i>Terminalia arjuna</i>		Lower Shiwalik	Rare	Rare	Seeds		Leaves/ Bark	NA	NA
Tree	Neem	<i>Azadirachta indica</i>		Lower Shiwalik	Rare	Rare	Seeds		Leaves/ Bark	NA	NA
Tree	Khair	<i>Acacia catechu</i>		Lower Shiwalik	Abundant	Abundant	Seeds		Leaves & Stem	NA	NA

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					
Herbs	Jungli Putana	<i>Mentha</i>		Lower Shiwalik	Roots	Abundant	Abundant	Nil	Leaves	NA	NA	Generally held by Community
Shurbs	Brankad	<i>Adhatoda vasica</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves	NA	NA	Generally held by Community
Shurbs	Drainkdu	<i>Murraya koenigii</i>		Sub Tropical Area	Seeds	Rare	Rare	Nil	Leaves	NA	NA	Generally held by Community
Shurbs	Thor	<i>Euphorbia royleana</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves	NA	NA	Generally held by Community
Tree	Amla	<i>Phyllanthus emblica</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves Fruits	NA	NA	Generally held by Community
Tree	Bair	<i>Ziziphus mauritiana</i>		Lower Shiwalik	Seeds	Rare	Rare	Nil	Steam	NA	NA	Generally held by Community
Tree	Draink	<i>Melia azedarach</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves	NA	NA	Generally held by Community
Tree	Jammun	<i>Syzygium cumini</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Maintain Sugar Level in Human body	Leaves Fruits	NA	NA	Generally held by Community

Tree	Mango	<i>Mangifera indica</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Stem / Fuits	NA	NA	Generally held by Community
Tree	Arjun	<i>Terminalia arjuna</i>		Lower Shiwalik	Seeds	Rare	Rare	Nil	Leaves / Bark	NA	NA	Generally held by Community
Tree	Neem	<i>Azadirachta indica</i>		Lower Shiwalik	Seeds	Rare	Rare	Nil	Leaves / Bark	NA	NA	Generally held by Community
Tree	Khair	<i>Acacia catechu</i>		Lower Shiwalik	Seeds	Abundant	Abundant	Nil	Leaves and Stem	NA	NA	Generally held by Community
Tree	Lusada	<i>Cordia dichotoma</i>		Lower Shiwalik	Seeds	Rare	Rare	Nil	Leaves / Fruits	NA	NA	Generally held by Community

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	Gaay	<i>Bosindicus</i>	Local	Humped	Semiintensive	Large	Less	Milk	Milk good for brain	Nil	Ghee, curd,Butter, kaladi,cheese	Farmer
	Jersey	<i>Bos Tarus</i>	Jersey Hybrid	Humpless	Stallfed	Less	Large	drought milk	Milk good for brain	Yes	Ghee, curd,Butter, kaladi,cheese	Farmer
	HF	<i>Bos Tarus</i>	Hforos	Humpless	Stallfed	Less	Large	drought milk	Milk good for brain	Yes	Ghee, curd,Butter, kaladi,cheese	Farmer
	Sahiwal	<i>Bosindicus</i>	Local	Humped		Less	Large	drought milk	Milk good for brain	No	Ghee, curd,Butter, kaladi,cheese	Farmer
Buffalo	Bhains	<i>Bubblous</i>	Local/Hybrid	Humpless	Semiintensive	Large	Less	Milk	Ploughing	No	Ploughing, carting	Farmer
		<i>Bubalis</i>										
Buffox	Saand	<i>Bubblous</i>	Local/Hybrid	Humpless	Semiintensive	Large	Less	Ploughing	Ploughing	No	Ploughing, carting	Farmer
		<i>Bubalis</i>										
Goat	Bakri	<i>Capra Hercus</i>	Local/Hybrid	-	Domesticated	Available	Available	Milk, Meat	-	Yes	Meat, Milk,Hide	Farmer, Bakerwal,shepherd
Sheep	Bhed	<i>Ovisovis</i>	Local/Hybrid	-	Domesticated	Available	Available	Meat	-	Yes	Meat and wool	Farmer, Bakerwal,shepherd
Dog	Kutta	<i>Cannis lupus</i>	Local/Hybrid	-	Pet/Domesticated	Available	Available	Guarding	-	No	Guarding/security	Individual

Cat	Billi	<i>Felis Catus</i>	Local	-	Domesticated	Available	Available	Pest Control	-	No	-	-
Horse	Ghorda	<i>Equscabalus</i>	Local/Hybrid	-	Domesticated	Available	Available	Drought	-	-	Drought, racing	Individual horse owner
Pig	Suar	<i>Subscrofa</i>	Local	-	free roaming	Available	Available	Meat	-	-	Meat	Pig owner
Mule	Khachar	<i>Equus asinus</i> × <i>Equus caballus</i>	Local	-	Domesticated	Available	Available	Drought	-	-	drought	Mule Owner
Donkey	Gadda	<i>Equus asinus</i>	Local	-	Domesticated, free roaming	Available	Available	Drought	-	-	loading drought	Donkey owner

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/T alao)	Local status		Uses	Associated TK	Commercial Rearing	Other details	Community Know. Holders
						Past	Present					

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	Simbal	<i>Bombax ceiba</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood			
Tree	Saintha	<i>Dodonaea viscosa</i>	Shurbs	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood			
Tree	Shisham	<i>Dalbergia sissoo</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber / Fire Wood			
Herb	Brenker	<i>Adhatoda vscosa</i>	Herb	Sub Tropical	Good	Moderate	Own Use	Leaves			Locals
Herb	Bhang	<i>Canabis sativa</i>	Herb	Sub Tropical	Good	Moderate	Own Use	Leaves			Locals
Shrub	Aak	<i>Ipomea cornea</i>	Shrub	Sub Tropical	Good	Moderate	Own Use	Roots			Locals
Herb	Jojra	<i>Xanthium strumarium</i>	Shrub	Sub Tropical	Good	Moderate	Own Use	Leaves			Locals
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber/ Firewood			Locals
Tree	Khair	<i>Acacia catechu</i>	Tree	Sub Tropical	Good	Moderate	Both	Timber/ Firewood			Locals

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	Behra	<i>Terminalia Bellirica</i>	Tree	Northern Sub-Tropical	Good	Good	Nil	Medicinal	Bark		

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 24: Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-Commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder
Panj tara	<i>Tara spinosa</i>	Shurb	Northern Sub-Tropical	Nil	Nil	Nil	Nil
Gulmohar	<i>Delonix regia</i>	Tree	Northern Sub-Tropical	Nil	Nil	Nil	Nil

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

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

End of Part II