

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

**Name of the Panchayat Samiti:** KIRPIND

**Taluk/Tehsil:** Miran Sahib

**District:** Jammu

**State/UT:** Jammu And Kashmir

**Geographical Area of the panchayt Samiti:** 237 hectares

**Population Of the Panchayat samiti...Total** 3025

**Male=** 1560      **Female =** 1465

**Habitat and Topography:** Plain

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

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

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

**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)**

S.No.	Category	Name	Age	Gender	Adress	Area of Specialization
1	Chairperson	AJEET SINGH S/O KHAZAN SINGH	48	M	CHAKTALAB	Ex . Sarpanch
2	Member	BALKAR SINGH S/O HARNAM SINGH	35	F	BAGGAZANNA	Farming
3	Member	SURAT SINGH S/O SHAM SINGH	38	F	CHAKTALAB	Farming
4	Member	BISHAN DASS S/O AMI CHAND	34	M	BAGGAZANNA	Farming
5	Member	KAMAL KOUR W/O SHAM SINGH	40	M	KOTHEY KALU	Home maker
6	Member	SURINDER KOUR W/O KULBIR SINGH	50	M	BAGGAZANNA	Home maker
7	Member	SUKHVINDER SINGH W/O PIARA SINGH	42	M	CHAKTALAB	Home maker

Sarpanch - Sarabjeet Kour (Female) Age - 40 years

**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:

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:

**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:**

**Name and Address:** Attached with High School , Govt. Girl Middle School

2) **Contact Person:**

**Name and Address:** Govt. High School

3) **Contact Person:**

**Name and Address:**

4) **Contact Person:**

**Name and Address:**

**You may add names of more institutions/NGO/Individuals etc, if necessary**



**Part II**

**AGROBIODIVERSITY**

**Format 1 Crop Plants**

S.No	Crop	Scientific Name	Local Name	Description of the variety	Landscape / Habitat	Local status		Special features	Uses	Associated TK	Other details	Cropping Season	Source of Seeds / Plants	Community / Known. Holder
						Past	Present							
1	Rice	<i>Oryza sativa</i>	Dhan/ Munji	B-370(Fine & Long duration) Basmati 1121/(Coarse K39 K434 Long duration)	Planes / Low laying Areas	Normal	Normal	Basmati 370 is world wise known for its aroma	Food & Fodder	Provides energy fragrance and taste	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
						Normal	Normal	Medium tall Coarse Grains						
2	Wheat	<i>Triticum aestivum</i>	Kanak	HD2967,PBW644	Cool Climate during early part of its growth	Plenty	Plenty	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/Bread making	Rabi	Farmers / Department/ Private Suppliers	Farmers
3	Onion	<i>Allium cepa</i>	Gamd	nasik Red. Red Coral, Monsanto And Local Spp.	local Planee areas	Normal	Normal	Bulbs Cash Crop	Vegetables	Vegetable	Staple Vegetable food	Rabi	Farmers / Department/ Private Suppliers	

4	Potato	<i>Solanum tuberosum</i>	Aalo	Kufri Sindhuri, Kufri Badsha, local	Potato is an herbaceous annual, requires cool weather, mostly rainfed conditions	Abundant	Abundant	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable, chips etc	-	High carbohydrate, provide high energy value	Rabi	Farmers / Department/ Private Suppliers	Farmers
5	Okra	<i>Abelmoschus esculentus</i>	Bindi	Varsha uphar, Arka Anamika	Tropical/sub tropical vegetable, Hot and humid climate	Abundant	Abundant	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dietary fibers, protein and carbohydrates	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
6	Cucumber	<i>Cucumis sativus</i>	Kheera	Kheera local, JL	Grows in all climatic conditions, Tropical, Sub tropical & temperate	Abundant	Abundant	Limbing annual bearing elongated thick cylindrical fruit	Mainly used as salad	-	It also used as antipyretic and causing cooling effect	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
7	Bottle gourd	<i>Lagenaria siceraria</i>	Lokki	PSPL/Punjab Long	Summer & rainy season crop	Abundant	Abundant	Vines vigorous, profusely branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/ kharif	Farmers / Department/ Private Suppliers	Farmers
8	Knol khol	<i>Brassica oleracea var. gongyloides</i>	Kadam	White vienna, Purple vienna	cool & moist climate/sub tropical	Abundant	Abundant	Swollen stem, green/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	-	Rabi	Farmers / Department/ Private Suppliers	Farmers



9	Spanich	<i>Spinacea oleracea</i>	Palak	All Green,Delta	Cool season Crop, thrives well on well drained loam soils	Abundant	Abundant	Tender green leaves & root used as Vegetable	Tender green leaves used as leafy Vegetable	-	Vitamins A and C, fiber, folic acid, and other nutrients	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
10	Radish	<i>Raphanus sativus</i>	Mulli	Japanes White ,Koren Etc	Cool season Crop, thrives well on well drained Sandy loam soils	Abundant	Abundant	Tender green leaves & roots used as Vegetable	Modified Roots are used as Vegetabke & Salad	-	Full of vitamin A, C, E, B6, potassium, and other minerals,	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
11	Turnip	<i>Brassica rapa</i>	Gunglu /Shalgam	PTWG/Local	Cool & moist climate/sub tropical&inter medite	Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable , Salad,.	-	Good source of Vit.C,Diatry Fiber &Potasium	Rabi	Farmers / Department/ Privaate Suppliers	Farmers





**Format 04 :Weeds**

1	2	3	4	5	6	7	8		9	10	11	12
S. No.	Plant	Scientific Name	Local Name	Affected Crop	Habit	Landscape/ Habitat	Local Status		Uses if any	Management options	Associated TK	Other details
							Past	Present				
1	Pig Weed	<i>Amaranthus viridis</i>	Jangli Choulai	Rice, Maize & sugarcane	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein & amino acid	Also Used as medicinal herb
2	Lamb's quarters	<i>Chenopodium album</i>	Bathua/ Kanh/Wild Spinach	Wheat, Pea, Potato	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein, Vit. A, Calcium, Phosphorous & potash	Annual feed & fermentation of Beverages
3	Nut Grass	<i>Cyperus rotundus</i>	Dilla/Motha	Paddy, maize, sugarcane, vegetable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Traditionally used as medicine
4	Barnyard Grass	<i>Echinochloa crusgalli</i>	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil
5	Carrot grass	<i>Parthenum hysterophorus</i>	Congress Grass	Gardens & sugarcane ratoon crops & other crops	Annual	Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage	

6	Bur Clover	<i>Medicago denticulata</i>	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder, vegetable & green manure	Mechanical, Chemical	Nil	Improves Soil fertility
7	Canary Grass	<i>Phalaris minor</i>	Sitti/gilli danda	Wheat Grass Peas, mustard	annual	Agri. Land	Abundant	Abundant	Fodder & forage	Mechanical, Chemical	Source for High quality protein	Agri. Land
8	Meadow Pea	<i>Lathyrus aphaca</i>	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land
9	Canada Thistle	<i>Cirsium arvense</i>	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land
10	Bang	<i>Cannabis indica</i>	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land
11	Nilibuti	<i>Ageratum conyzoides</i>	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand
12	Dub Grass	<i>Cynodon dactylon</i>	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. & wasteLand
13	Wild oats	<i>Avena fatua</i>	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutratve Fodder for Animals

14	Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutritive Fodder for Animals
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13
<b>Community Knowledge Holders</b>
Farmers
Farmers
Farmers
Farmers
Farmers





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

**Note:** [1] (D) – day; (M) – month;

[2] **Types of animals may include:** Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)



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**

**Panchyat Name : Bagga Zanna**

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										
Plains			Plains	Flat sweeping landmass with small change in elevation	Private ,state lands,	Broad leaved mainly Tali, Beri,Jamun, Amb,Kikar, Bohr,Drenk, Dhub Grass	Domestic animals	Public,as well as pvt,and Govt also		Asthetic and Scenic beauty in Urban areas		

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

<b>12</b>
<b>Community accessed</b>

**Format 9: Waterscape**

**Panchyat Name : Bagga Zanna**

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>
Ponds			Forest land and Private land	kamal,Baryan,	Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public	Poor condition				
Canals			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public					
Hand pumps			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public					



**Format 10: Soil type****Panchyat Name : Bagga Zanna**

S.No.	Soil	Type	Colour	Features	Soil management	Plants/Crop Suitable	Flora and Fauna	Associated TK	Other Information
1	Sandy Loam	Type B	Soft Dark	Large particle size, Water drains Rapedily	Add compost, humus, Green Manuring, Decomposed manure etc improves soil quality for better plant growth	Beans, Tomato, Potato, Cucumber, onion, eggplants, carrot, Spinach etc.	Succulants like cacti, Lambs ear, etc.	-	Genrally not suitable for plants which need lot of water
2	Clay Loam	Type A	Light yellow to raddish colour	Small particles size, Texture dense and compact, retains water and nutrition	Provide good drainage, add organic manure in the form of compost or humus	Plants/Crop Suitable	Ornamental Plants/ grasses, plants with evergreen leaves, colourful Berries	-	Soil is good for wild varieties of crops, however drainage is a problem









**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
Tree	kringal	<i>Casia fistula</i>		Flower Fruit	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Gandera	<i>Nerium oleander</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Thub	<i>Erythrina indica</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Badah	<i>Salix alba</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Kareer	<i>Rosa acicularis</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community

**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	Kiker	<i>Acacia nilotica</i>	Lower shiwalik	Rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Trees	Mangoo	<i>Mangifera indica</i>	Lower shiwalik	Abundant	Abundant	Wild/ home-garden	Own	Nil	Nil	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Lower shiwalik	Rare	Abundant	Wild	Commercial	Nil	Nil	Generally, held by community
Trees	Sree	<i>Albizia lebbeck</i>	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Trees	Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Lower shiwalik	Rare	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Trees	Jammun	<i>Syzygium cumini</i>	Lower shiwalik	Rare	Abundant	Wild	Own	Nil	Nil	Generally, held by community







**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 Knowledge. Holders
						Past	Present					

Note: Other details include mode of catching fish, time of availability, breeding time, feeds and etc











11
<b>Community Knowledge Holder</b>









**Format 22: Wild Plants of Medicinal Importance**

1	2	3	4	5	6		7	8	9	10
Plant (Herb,Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape/Habitat	Local Status		Uses (usage)	Part used	Other details market/own use	Community / Knowledge Holder
					Past	Present				
Tree	Amla	<i>Emblica officinalis</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-
Tree	Krangal	<i>Cassia fistula</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Pod	-
Tree	Jamun	<i>Syzygium cumini</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-
Tree	Ber	<i>Ziziphus jujuba</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-
Tree	Kikar	<i>Acacia nilotica</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Bark & Pods	-
Tree	Dhrenk	<i>Melia azadirach</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Seeds & Leaves	-
Tree	Neem	<i>Azadirachata indica</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-
Grass	Doob grass	<i>Cynadon dactylon</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-
Shurb	Dhatura	<i>Datura stramonium</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-
Shurb	Arnid	<i>Ricinus communis</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Oil	-
Climber	Giloe	<i>Tinospora cordifolia</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Stem	-

Shurb	Bana	<i>Vitex negundo</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-
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<b>10</b>
<b>Community/ Knowledge Holder</b>

**Format 28: Wild Animal (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	Other Details	Community Knowledge Holder
						Past	Present				
Wild Animal	Squirrels	<i>Sciuridae spp.</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Pig	<i>Suidae spp.</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Jackal	<i>Canis aureus</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Rose ringed parakeet	<i>Psittaculidae</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Mongoose	<i>Herpestes spp.</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Sparrow	<i>Passer domesticus</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Crow	<i>Corvus splendens</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Pigeon	<i>Columba livia</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Bee	<i>Apis cerana indica</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Butterfly	<i>Rhopalocera spp.</i>	Farmland	-	-	Good	Good	-	-	-	-

Wild Animal	Frog	<i>Anura spp.</i>	Farmland	-		Good	Good	-	-	-	-
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**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	kikar	<i>Acacia nilotica</i>	Broad leave	Sub tropical	Summer	Common
2	Mangoo	<i>Mangifera indica</i>	Broad leave	Sub tropical	Summer	Common
3	Safeda	<i>Eucalyptus spp.</i>	Broad leave	Sub tropical	Summer	Common
4	Sree	<i>Albizia lebbek</i>	Broad leave	Sub tropical	Summer	Common
5	Talli	<i>Dalbergia sissoo</i>	Broad leave	Sub tropical	Summer	Common
7	Popular	<i>Populus ciliata</i>	Broad leave	Sub tropical	Summer	Common
9	Jammun	<i>Syzygium cumini</i>	Broad leave	Sub tropical	Summer	Common

**Format 30: Fauna**

1	2	3	4	5	6
S.No	Local Name	Scientific Name	Type of Animals ( Mammals /Birds/Fish/Insects etc.)	Habitat	Remarks(Rare/common etc.)
1	Cow	<i>Bas taurus</i>	Mammals	Terrestrial	Common
2	Buffalow	<i>Babalus bubalis</i>	Mammals	Terrestrial	Common
4	Goat	<i>Capra aegagrus</i>	Mammals	Terrestrial	Common
5	Sparow	<i>Passer domesticus</i>	Birds	Terrestrial	Common
6	Crow	<i>Corvius splendens</i>	Birds	Terrestrial	Common
7	Parrot	<i>Psittaciformes spp.</i>	Birds	Terrestrial	Common
9	Ant	<i>Tapioa sessile</i>	insects	Terrestrial	Common
10	Bee	<i>Apis crana indica</i>	insects	Terrestrial	Common
11	Butterfly	<i>Rhopalocera spp.</i>	insects	Terrestrial	Common
12	Mosquto	<i>Culicidae spp.</i>	insects	Terrestrial	Common
13	Caterpillar	<i>Lepidoptera spp.</i>	Insects	Terrestrial	Common
15	Frog	<i>Anura spp.</i>	Aquatic Animals	Aquatic	Common



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

1	2	3
Sr. No.	Information of local importance	Remarks
	Wheat, Rice	200 years old village
	Kir Singh - Kirpind	