

People Biodiversity Register (PBR): General Details

Name of Panchayat Samiti- KEWAL UPPER
Taluk: Budhal
District: Rajouri
State: Jammu And Kashmir
Geographical Area of the Panchayat Samiti: Hilly
Population under the Panchayat Samiti: Total 4100
Male - 2400 Female- 1700
Habitat and Topography: Hilly
Climate (Rainfall, Temperature and weather patterns) Rainfall
Land Use (Nine fold classification available with village records)
Date, Month and Year of PBR Preparation 2020-21 - 19-03-2021
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: Gulshan begum

Contact no - 6005002147

Age:-35

Gender:Male

Address:-Budhal

Area of specialization: Sarpanch

2) Name:Afroza akhtar

Age: 29

Gender:Female

Address:kewal upper

Area of specialization: Housewife

3)Name:nazia koser

Age:26

Gender:female

Address:kewal upper

Area of specialization : Housewife

4)Name:bilal ahmad

Age:28

Gender:male

Address:kewal upper

Area of specialization: Labourer

5)Name:shamim akhtar

Age:26

Gender:female

Address:kewal upper

Area of specialization:

6)Name:shakela begum

Age:30

Gender:female

Address:kewal upper

Area of specialization: Housewife

7)Name:rubina koser

Age:32

Gender: Female

Address:kewal upper

Area of specialization: Housewife

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:
2) 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 4

Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR	
1) Contact Person: Mohd. Shabir	
Name and Address: Degree College	
2) Contact Person: Ishfaaq (6005002147)	
Name and Address: Labourer	
3) Contact Person:	
Name and Address:	
4) Contact Person:	
Name and Address:	
You may add names of more institutions/NGO/Individuals etc, if necessary	

FORMAT-1: CROP PLANTS

S.No	Crop	Scientific Name	Local Name	Variety	Land Scape / Habitat	Approx area sown	Local Status		Special feature	Cropping season	Uses	Associated TK	Other Details
							Past	Present					
1	Rice	<i>Oryza sativa</i>	Dhan	K-39,K-343, G-14	Hilly terrain		Plenty	Plenty	Medium height, resistant to draught,	Kharif	Food /Fodder	Staple food	
2	Maize	<i>Zea mays</i>	Makka	Rasi4794, Kh517, Kh-612, DD	Hilly & lower hills		Plenty	Plenty	HYV, Resistant to draught ang lodging	Kharif	Food /Fodder	Staple food	
3	Wheat	<i>Triticum aestivum</i>	kanah										
4	Sarso	<i>Brassica juncea</i>											
Vegetables													
1	Okra	<i>Abelmoschus esculentus</i>	Bhindi	Arka Anamika, Versha Uphar, PS, PK,	Sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-
2	Brinjal	<i>Solanum melongena</i>	Bangun	PPL,PPC, PH4, BR112	Sub tropical & intermediate		Normal	Normal	Green Veg	Kharif	Green Veg	Green Veg	-
3	Potato	<i>Solanum tuberosum</i>	Aaloo	Kufri Sindhuri,Kufri Badsha, Kufri Jyoti	Potato is an herbaceous annual, requirs cool weather, mostly rainfed conditions		Normal	Normal	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 n energy value	Rabi
4	Peas	<i>Pisum sativum</i>	Matar	Bonneville, Arkel, local var.	Grows under cool conditions,Sub tropical/ Temprate		Normal	Normal	Medium dwarf plant with green well filled pods	Green pods are used as vegetable	-	High in fiber, protein, vitamins, phosphorus, magnesium, copper,	Rabi
5	Moong	<i>Vigna radiata</i>	Mungi					Normal				Proteins	
6	Maa	<i>Vigna mungo</i>	Maah					Normal				Proteins	
7	Kidney beans	<i>Phaseolus vulgaris</i>	Rajma					Normal				Staple food in proteins	Rabi
								Normal					

Format 2: Fruit Plants

Plant	Scientific Name	Local Name	Variety	Landscape/ Habitat	Local Status		Source of Seed /Plants	Season of Fruiting	Associated TK	Uses	Other details market/Own use	Communicate/ Knowledge holder
					Past	Present						
Guava	<i>Psidium guajava</i>	Amrood	Local, L-49, Allahabadi Safeda etc.	Subtropical	Plenty	Plenty	Nurseries	July-August		Fruit	Maketing , own use	
Pomegranate	<i>Punica granatum</i>	Anar, Druni	Ganesh, Kandhari, Local	Subtropical, Mid hills	Rare	Rare	Nurseries, locally raised, wild	May-August		Fruit, anardana	Own use	
Apple	<i>Malus domestica</i>	Sabe	Red Delcious, Golden Delocious, Maharaji, American etc.	Temperate	Rare	Plenty	Nurseries	Aug- Oct.		fruit, value addition	Maketing , own use	
Citrus fruits	<i>Citrus spp.</i>	Khatti, Galgal, Nimbu, Santra, Kinnow, Mosambi etc.	Local selection, Kagzi Lime, Italian Lime, Hill Lemon etc.	Subtropical, mid hills	Plenty	Plenty	Nurseries	Through out year		Fruit, Pickling, Squashes etc.	Maketing , own use	
Pear	<i>Pyrus spp.</i>	Nakh	Patharnakh, China pear	Mid Hill	Plenty	Plenty	Nurseries	Aug-Sept		Fruit	Own use	
Peach	<i>Prunus persica</i>	Aaroo	July Elberta, Quetta	Mid Hill	Rare	Rare	Nurseries	June-July		Fruit	Maketing , own use	
Apricot	<i>Prunus armeniaca</i>	Khubani, Sadi	local apricot, Bebco	Mid Hill	Plenty	Plenty	Nurseries	June-July		Fruit	own use	
Walnut	<i>Juglans regia</i>	Akrote	Burzal, Kagzi, hard shelled	Temperate	Plenty	Plenty	Nurseries, locally raised	Sept-Oct		Dry fruit	Maketing , own use	
Pecan	<i>Carya illinoensis</i>	Pecan	Western shelley	Mid hills /Temperate	Rare	Rare	Nurseries	Sept-Oct		Dry Fruit	Marketing	
Plum	<i>Prunus salicina</i>	Aaloo Bukhara	Santa rosa, Allubukhara	Mid Hills	Rare		Nurseries, locally raised	July-August		Fruit	Maketing , own use	

FORMAT-4 : WEEDS

S.No	Plant	Scientific Name	Local Name	Affected Crop	Impact	Land Scape / Habitat	Local Status		Uses if Any	Management Options	Associated TK	Other details like exotic	Community / Knowledge holder
							Past	Present					
1	Bathua	<i>Chinopodium album</i>	Bathua	Wheat, Vegetables	Compete with main crops for space and nutrients	Sub Tropical/ intermediate	Plenty	Plenty	Leavy vegetable	Chemical Control	Rich Source of protein, Vit. A, Calcium , Phosporous & potash	Used as green vegetable	Farmers
2	Wild Oats	<i>Avena spp.</i>	Jungli Javi	Wheat	Compete with main crops for space and nutrients	Sub Tropical/ intermediate	Plenty	Plenty	Green Fodder for animal	Chemical / Manual Control	Source for High quality protein	Local	Farmers
3	Bhang	<i>Cannabis sativa</i>	Bhang	Maize, Wheat, Vegetables	Alelopathy effect, Compete with crops	Sub Tropical/ intermediate	Plenty	Plenty	psychoactive effects	Chemical / Manual Control	intoxicating causes dehydration, nausea and headache	Local	Farmers

FORMAT 5: PESTS OF CROPS

S.No	Host	Insect/ Animal	Scientific Name	Local Name	Habitat	Time/ Season of Attack	Management mechanism	Associated TK	Other details	Community Knowledge Holder
1	Rice	Rice Hispa	<i>Dicladispa armigera</i>	Kali Pundi	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
2	Rice	Stem Borer	<i>Scirepophaga incertulas</i>	Dhain ka Kida	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
3	Maize	Bliester Beetle	<i>Mylabris phalerata</i>	Bhundi	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
4	Maize	Cut Worm	<i>Agrotis spp.</i>	Makki da kida	Sub Tropical/ intermediate	Kharif	Chemical control	-	Feed on crop leaves	Farmers
5	Miaze, Potato	Porcupine	<i>Erethizon dorsatum</i>	Seh	Sub Tropical/ intermediate	Kharif/ Rabi	NA	-	Feed potato tubers, vegetales and cobs	Farmers
6	Mustard	Aphid	<i>Lipaphis erysimi</i>	Aphid/ Tella	Sub Troopical/Intermediate	Dec-March	Chemical control	-	Nil	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
	Monthly	Sheep	5	Local	Local	None		
		Goat	2	Local	Local			

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
Sikhs	Agriculture	Animal Husbandry	Hilly		Rotational Cropping			Poor		0
Hindus	Agriculture	Husbandry	Hilly		Rotational Cropping		Brahmin	Poor		12
							SC	Poor		
Muslims	Agriculture	Animal Husbandry	Hilly		Rotational Cropping					
							Others	Poor		735
							ST	Poor		80
										827

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			Irrigated			Rice	Frog		Rotational Cropping	Edible			
			Unirrigated			Wheat	Insects		Rotational Cropping	Edible			
						Maize							
						Fruit Trees							

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
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	Community accessed
Rivers	Streams			Submerged Plants	Frog							
				Floating	Fish							
					Crabs							

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

Format 10 : Soil Type

1	2	3	4	5	6	7	8
Soil Type	Colour & texture	Features	Soil Management	Plants/Crop suitable	Flora and Fauna	Associated Tk	Other Information
Clay	Brown & soft	Less Acidic	Normal	Oak	Kail		
Sandy	Grey & rough			Bankhori	Oak		
Black	Black & soft			Chikri	Kail		
				Kail	Safeda		
				Safeda	Beesa		
				Fir	Bear		
				Beesa	Jackel		
				Maize,wheat,Rice	Lepard		

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					
Tree	Kail	<i>Pinus walichaina</i>	Forest	Good	Good	Wild	Fuel			
Tree	Fir	<i>Abies pindrow</i>	Forest	Good	Good	Wild	fuel			
Tree	Poplar	<i>Populus deltoides</i>	Forest	Good	Good	wild	Fuel			

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					

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 uses	Part collected	Associated TK	Other Details	Community Know. Holder
					Past	Prsent					
	Mannu	<i>Ulmus walichaina</i>									
	Chikri	<i>Buxus walichiana</i>		Forest		Good	Own use				
	Kucch	<i>Viburnum grandifolia</i>		Forest		average	Own use				
	Simblu	<i>Berberis lycium</i>		Forest		average	Own use				

Format 19 : Wild Plant Species of Importance

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (As economic, social, cultural etc.)	Status
1	Kail	<i>Pinus walichiana</i>		Timber	
2	Fir	<i>Abies pindrow</i>			
3	Oak	<i>Quercus incana</i>			
4	Toote	<i>Morus alba</i>			
5	Dhaman	<i>Grewia optiva</i>			
6	Phulwari	<i>Rosa ascularis</i>			
7	Chikri	<i>Buxus walichaina</i>			
8	Kucch	<i>Viburnum grandifolia</i>			
9	Simblo	<i>Berberis lycium</i>			

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/Know. Holder
					Past	Present				
Bach	<i>Acorus calamus</i>		Rhizome	Aquatic	Good	Good	Medicinal			
Frog	<i>Rana tigrina</i>		Brownish Small	Aquatic	Good	Good	Eco balance			
Fish	<i>Oncorhynchus mykiss</i>		Scally	Aquatic	Good	Good	food			
Leech	<i>Hirudo medicinalis</i>		Blood Sucker	Aquatic	Good	Good				
Water snake	<i>Nerodia sipedon</i>			Aquatic	Good	Good				
Crab	<i>Scylla serrata</i>		Tentacle	Aquatic	Good					

Format 21 : Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Water cress	<i>Nasturtium officinale</i>		Feeding & fodder	
2	Green algae	<i>Volvox tertius</i>		Max. Photosynthesis	
4	Wild Mint	<i>Mentha arvensis</i>		Used in medicine	
5	Bach	<i>Acorus calamus</i>		Used in medicine	
6	Lichen			Air pollution indicator	

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	Gucchi	<i>Morchella esculanta</i>		Forest	Good	Average			Whole		
Herb	Banafsha	<i>Viola odorata</i>		Forest	Good	Average			Flower		
Shrub	Simblu	<i>Berberis lycium</i>		Forest	Good	Average			Roots		
Shrub	Harduli	<i>Rhododendron arboreum</i>		Forest	Good	Average			Flower		

Format 23: Wild relatives of Crop

1	2	3	4	5		6	7	8	9	10
Local Name	Scientific Name	Associated Crop	Landscape/ Habitat	Local status		Associated TK	Uses (Usage)	Part used	Other Details	Community/ knowledge Holder
				Past	Present					
Maize	<i>Zea mays</i>	Beans	Terrestrial	Good	Good		As food	Grain		Gujjar
Mustard	<i>Brassica compeustus</i>	Turnip	Terrestrial	Good	Good		Fodder	Whole plant		

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/ Know. Holder
Phulwari	<i>Rosa ascolaris</i>		Forest	Non-commercial			
Kuchh	<i>Viburnm grandiflorum</i>		Forest	Non-commercial			
Rose	<i>Rosa indica</i>		Forest	Non-commercial			

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		Associated TK	Uses (Usage)	Part used	Other Details (Mode of use)	Community/ knowledge Holder
					Past	Present					
Herb	Gotal Marigold	<i>Tagetes spp</i>		Agri-Land	Good	Good			Flower		
Herb	Saunf	<i>Foeniculum vulgaris</i>		Agri-Land	Good	Good			Flower		
Shrub	Phulwari	<i>Rosa ascularis</i>		Dry Land	Good	Good			Flower		Pahari
Herb	Mint	<i>Mentha arvensis</i>		Mist Place	Good	Good			Leaf		Gujjar
Herb	Banafsha	<i>Viola odorata</i>		Dry land	Good	Good			Flower		Kashmiri
Herb	Methi	<i>Trigonala faunum</i>		Agri-Land	Good	Good			Fruit		

Format 28: wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, Others)

1	2	3	4	5	6	7		8	9	10		12
Animal type	Local Name	Scientific Name	Habitat	Description	Season when Seen	Local Status		Uses	Associated TK	Mode of Hunting , Collecting (if any)	Other Detail	Community know. Holder
						Past	Present					
Mammals	Leopard	<i>Panthera pardus</i>	Forest		All season	Good	Good					
	Bear	<i>Ursus arctos</i>	Forest		All season	Good	Good					
	Jackel	<i>Canis aureus</i>	Forest		All season	Good	Good					
	Goat	<i>Capra aegagrus hircus</i>	Forest		All season	Good	Good					
Reptiles	Snake	<i>Serpentes</i>	Forest		All season	Good	Good					
	Lizard	<i>Hemidactylus frenatus</i>	Forest		All season	Good	Good					
Amphibia	Frog	<i>Rana temporaria</i>	Forest		All season		Good					
Insects	Hosefly	<i>Musca domestica</i>	Forest		All season	Good	Good					
	Honey bee	<i>Apis dorsata</i>	Forest		All season	Good	Good					
	Grass hopper	<i>Melanoplus differentialis</i>	Forest		All season	Good	Good					

Format 29: Flora

1	2	3	4	5	6	7
S.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
S.No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
	Cow	<i>Bos taurus</i>	Mammal	Domestic	Common
	Buffalo	<i>Bubalus bubalis</i>	Mammal	Domestic	Common
	Goat	<i>Capra aegagrus</i>	Mammal	Domestic	Common

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
S.No.	Information of local importance	Remarks
	Walnuts	Abundant
<i>End of Part II</i>		