

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti Chang

Taluk: Ramgarh

District: Samba

State:J&K UT

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total 3383

Male: 1843 **Female:** 1540

Habitat and Topography:

Climate (Rainfall, Temperature and weather patterns)

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

Date, Month and Year of PBR Preparation: 21/10/2020

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

Diversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by less than one third to be women and not less than 18% belonging to SC/ST)

Chairperson: Tarsem Singh S/o Joga Singh

Occupation: social worker(farmer) (9797573385)

Devi W/o Jagdish Singh

Occupation: Housewife

Kour W/O Lt. Omkar singh (OBC)

Occupation: Housewife (9419340765)

Sumar S/o Baru Ram

Occupation: Farmer (9906385823)

Singh S/o Prithi Singh

(al)

ra

Occupation: Farmer (9906385823)

singh S/O Babu Ram

Occupation: social worker

Singh S/o Gopal Singh

Occupation: Ex-servicemen

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: Parveen Kumar S/o Kusturi Lal

Age: 25

Gender: M

Address: Kalah

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: Ch. Bhola Ram S/O Napa Singh

Age:

Gender:

Address: Chang

Area of specialization: Farmer

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:M

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: Dr. Anil Kumar

Name and Address: Health and wealth centre
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2) Contact Person: Sh. Sunil Kumar

Name and Address: Middle school Chang

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	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

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 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						
Woody	<i>Magnifera indica</i>	Amb			Good		Grafted	March to August		Own		
Woody	<i>Psidium guajava</i>	Amrood			Good		Grafted	March to August		Own		
Woody	<i>Syzygium cumini</i>	Jamun			Good		Grafted	March to August		Own		

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					
Barseem	<i>Trifolium alexandrinum</i>	Barseem				Agriculture department	Rich in Ca, Fe			
Chari	<i>Sorghum spp.</i>	Charri								

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					
	<i>Phalaris Minor</i>	Sitti	Wheat			Good						
	<i>Mentha spicata</i>	Jungli putna	Mustard			Good						
	<i>Parthenium hysterophorus</i>	Congrass Grass				Good						

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

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
Paddy	Grass Hopper	<i>Caelifera</i>	Tidola			Stray the ponds	Both nymps		
Wheat	Field Rats	<i>Rattus argentiventer</i>	Kees			Indigeneous traps	Both nymps		

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

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
SC - 40%	Service/Agriculture						Bhagat, Ramdassia	Poor		250
ST - 1%	Service						Mahasha	Good		15
							Gujjar	Average		
OBC - 30%	Service/Agriculture						Labana	Average		200
General - 29%	Service/Agriculture						Jatt, Rajput	Average		175

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											

Provide a brief description of landscapes such as forests, plantation, 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
Pond (sesaonal)												
Canal												
Borewell												
Tubewell									Drinking, cultivation			

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

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
Alluvial	Fine and grain coarse	N, Ca, Fe					

DOMESTICATED BIODIVERSITY

Format 11: Fruit Trees

1	2	3	4	6	7		8	9	10	11	12	13
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	Community/ Know. holder
					Past	Present						
Woody	Amb	<i>Magnifera indica</i>			Good		Seedling	March to August			Own uses	
Woody	Amrood	<i>Psidium guajava</i>			Good		Seedling	March to August			Own uses	

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					
	Jamun	<i>Syzygium cumini</i>			Seedling	Good		Own				
	Tulli	<i>Dalbergiaa Sissoo</i>			Seedling	Good		Own				
	Bhang	<i>Canabis Sativa</i>			Nil	Good		Own				

Note: Uses: Food/ Veterinary Medicine/ Human Medicine(sub-divisions like for children, women etc)/ Agricultural Purpose(Bio-pesticide)

Other details: Propagation methods/ Harvesting period/ Cultivated or collected from wild or both/ Perennial/ annual/ seasonal

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
	Gulmohar	<i>Delonix regia</i>							
	Gulab	<i>Rosa</i>							
	Sat patra								
	Mor pankh	Thuja occidentalis Linn							

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					
Sheep	Bhed	<i>Ovis</i>	Local			Good		Milk			Nil	
Goat	Bakri	<i>Capra aegagrus hircus</i>	Local			Good		Milk			Nil	
Cow	Ghan	<i>Bos taurus</i>	Local			Good		Milk			Nil	
Buffalo	Manj	<i>Bubalus bubalis</i>	Local			Good		Milk			Nil	

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/talao)	Local status		Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
						Past	Present					

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

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	Ber	<i>Ziziphus mauritiana</i>			Good		Own			Nil	
Tree	Talli	<i>Dalbergia sissoo</i>			Good		Own			Nil	
Tree	Amb	<i>Magnifera indica</i>			Good		Own			Nil	

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

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				

Other details may include mode of catching fish, time of availability, breeding time, etc

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends

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					
	Bhang	<i>Cannabis</i>									
	Jungli Putna	<i>Mentha specata</i>									

Note: Uses: Food/ Veterinary Medicine/ Human Medicine(sub - divisions like for children, women etc)/ Agriculture Purpose(Bio-pesticide)

Other details: Harvesting period/ Perennial/annual/seasonal

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					
Bhang	<i>Cannabis</i>			Good					Nil	
Jamun	<i>Syzygium cumini</i>			Good					Nil	

Note: Other details may include 'function as a substitute plant' in the absence of a particular 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/ Knowledge Holder
Bogan villa	<i>Bougainvillea</i>						
Gulab	<i>Rosa</i>						
Bottle brush	<i>Callistemon</i>						

Format 26: Timber Plants

1	2	3	4	5	6	7	8	
Local Name	Scientific Name	Habitat	Local Status		Other Uses, if any	Associated TK	Other Details	Community/ Knowledge Holder
			Past	Present				
Safeda	<i>Manilkara zapota</i>		Good		Own		Nil	
Talli	<i>Dalbergia sisso</i>		Good		Own		Nil	

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.)

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