

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Changia

Taluk: Arnia

District: Jammu

State/UT: J&K

Geographical Area of the Panchayat Samiti: 828.81

Population under the Panchayat Samiti: 3000 approx

Male: 1900 Female: 1300

Habitat and Topography: Plain

Climate (Rainfall, Temperature and weather patterns): moderate

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: 03-02-2021

Management Regime: Reserve Forest (RF)/Joint Forest Management(JFM)/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: Kusum Lata (Sarpanch)

Age: 40 Yr

Gender: Male

Address: R/o. Pindi Khurd, Tehsil Arnia, Jammu-181131

Area of specialization:

2) Name: Sharda Devi (Lady Sarpanch)

Age: 42 Yr.

Gender:Female

Address: R/o. Changia, Tehsil Arnia, Jammu-181131

Area of specialization:

3)Name: Gurmeet Kumari (Lady Sarpanch)

Age:35

Gender:Female

Address: R/o. Kudwal, Tehsil Arnia, Jammu-181131

Area of specialization:

4)Name: Sohan Lal (Panch)

Age:34

Gender: Male

Address: R/o. Rakh Arnia, Tehsil Arnia, Jammu-181131

Area of specialization:

5)Name: Om Parkash (Panch)

Age: 48 Years

Gender:Male

Address: R/o. Changia, Tehsil Arnia, Jammu-181131

Area of specialization:

6)Name: Raj Kumar (Panch)

Age: 64 Year

Gender: Male

Address: R/o. Chanana, Tehsil Arnia, Jammu-181131

Area of specialization:

7)Name: Pawan Kumar (VLW)

Age: 42 Year

Gender: Male

Address: Sohagpur, Tehsil Arnia, Jammu-181131

Area of specialization:

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 : Gyaneshwar Sharma

Age: 40

Gender: Male

Address: Jammu

Area of specialization: Ayurveda

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use: Ayurveda Medicine

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: Ramesh Chander

Age: 58

Gender: Male

Address: Chungai

Area of specialization: Farmer

2) Name of the Chairperson: Shiv dev Singh

Age: 50

Gender: Male

Address: Chungai

Area of specialization: Farmer

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: Ashwani Kumar(Teacher) Pind Khurd, Arnia, Jammu -181131

Name and Address:

2) Contact Person: Mast Ram (Teacher) Pind Khurd (Primary School)

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

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					
Barseem	<i>Trifolium alexandrinum</i>	chharela	Plain	Plenty	Plenty	Farmers/Departments/ Private suppliers	Nutrious and palatable fodder	Entire plant	Fodder	
Oats	<i>Avena sativa</i>	Javi	Plain	Plenty	Plenty	Farmers/Departments/ Private suppliers	Nutrious and palatable fodder	Above ground	Fodder	
Maize	<i>Zea mays</i>	Makki	Plain	Plenty	Plenty	Farmers/Departments/ Private suppliers	Nutrious and palatable fodder	Part of plant	Food and Fodder	
Bajra	<i>Pennisetum glaucum</i>	bajra	Plain	Plenty	Plenty	Farmers/Departments/ Private suppliers	Nutrious and palatable fodder		Food and Fodder	
Sorghum	<i>Sorghum bicolor</i>	cherri	Plain	Plenty	Plenty	Farmers/Departments/ Private suppliers	Nutrious and palatable fodder		Food and Fodder	

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					
Bathua	<i>Chenopodium album</i>	Bathua	Vegetables	Compete	Plain	Plenty	Plenty	Leafy Vegetable		Rich source of protein , vitamin A, Ca, K		Farmer
Wild Oats	<i>Avena fatua</i>	Jangli javi	Oats	Compete	Plain	Plenty	Plenty	Fodder		Nutritritional fodder		Farmer
Bhang	<i>Cannabis sativa</i>	Bhang			Plain	Plenty	Plenty	Healing purpose				
Nilibuti	<i>Ageratum spp.</i>	Nilibuti	Rabi crops	Compete	Plain	Plenty	Plenty					

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

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
Ratnal Bishnah (Unorganized market)	Weekly	Sheep & Goats	4 tooth and above, 10 approx	Bishnah & Arnia	Jamm7 & Samba District			

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, OBC, OC, Sikh, Population: 2630	Farming/Private/ Defense	Animal Husbandry	Agri landscape	Water	Satisfying different needs water	Satisfied	Mix	Average	Average	558

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	Feature s 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											
Plain area			Plains	flat sweeping landmass with small change in elevation	Private and State lands	Broad leaved mainly Tali, Phagari, Beri, Plah, Jamun, Aamb, Amla, Kikar,Bodr,Drenk	Public as well as Pvt. And Govt. also		Aesthetic and scenic beauty in urban areas				

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
Ponds		12	State land and Private land	Tali, kamal, Brankad,Bori peepal and Khu Jari etc	Frogs, Fishes, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public		Animal drinking			
Streams			State land and Private land	Bana, aak, Khar Grass, Panjphuli Jari Etc	Frogs, Fishes, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public					
Tube well		1	State land and Private land			Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public		Drinking			
Dug wells		8 dug wells	Private			Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public					
Canal			Nil	Nil	Nil	Nil	Nil		Agri Culture			
Hand pumps		2 walking	Private	Panjphuli Jari, Bana, Aak, Khar grass etc.	Frogs, Fishes, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public					
Bowlis			Private	Bana, aak, Khar Grass, Panjphuli Jari Etc	Frogs, Fishes, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public					

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 sandy soil	Fine & coarse grain	rich in N,ca,fe,si					
Sandy Loamy							

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 putna	<i>Mentha arvensis</i>		Lower Shiwalik/Temp crate area	Stem/Seed	Abundant	Abundant	Medicinal	Leaves	N.A	N.A	Generally held by community
Herbs	Bhang	<i>Canabis Sativia</i>		Lower Shiwalik	Seed	Abundant	Abundant	Medicinal	Leaves	N.A	N.A	Generally held by community
Herbs	Tulsi	<i>Ocimum tenuiflorum</i>										
Herbs	Amla	<i>Phyllanthus emblica</i>										
Herbs	Aloevera	<i>Aloe vera</i>										
Tree	Draink	<i>Melia azedarach</i>		Lower shiwalik	Seed	Abundant	medicinal & spice	Medicinal	Leaves	N.A	N.A	Generally held by community
Tree	Tali	<i>Dalbergia sissoo</i>		Lower shiwalik	Seed	Abundant	medicinal & spice	Timber & Fodder	Stem	N.A	N.A	Generally held by community

Tree	Jamun	<i>Syzygium cumini</i>		Lower shiwalik	Seed	Abundant	Abundant	Medicinal	Leaves/ Fruit	N.A	N.A	Generally held by community
------	-------	------------------------	--	----------------	------	----------	----------	-----------	------------------	-----	-----	--------------------------------

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 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					
	Buffalo	<i>Bubalus bubalis</i>										
	Cow	<i>Bos indicus</i>										
	Dog	<i>Canis familiaris</i>										
	Pigeon	<i>Columbidae spp.</i>										
	Horse	<i>Equus caballus</i>										
Sheep	Bhaed	<i>Ovis aries</i>	Local (Non descript)	Small size, low body weight, rough body coat	Statonary	Pleny	Rare	Mutton, wool, skin and manure	Yes	Some	Mutton, wool, skin and manure bones hide and gut	Locals
Sheep	Bhaed	<i>Ovis aries</i>	Rambouillet cross	Large size, fine wool, with long legs mostly white in color	Statonary	Pleny	Rare	Mutton, wool, skin and manure	Yes	Some	Mutton, wool, skin and manure bones hide and gut	Locals
Goat	Bakri	<i>Copra spp.</i>	Beetal Crosses	Large size, high body wt. mostly black & brown body color	Statonary	Pleny	Rare	Chevon milk, skin, hair and manure	Yes	Some	Chevo, milk skin, hair, bones, hide and gut	Locals

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 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	Amla	<i>Emblica officinalis</i>	Tree	Northern/ Sub-Tropical	Good	Modertae	Commercial/Own use	Fruit	Food processing		
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Northern/Sub-Tropical	Good	Modertae	Commercial/Own use	Timber/ Firewood			
Tree	Amb	<i>Mangifera indica</i>	Tree	Northern/Sub-Tropical	Good	Modertae	Commercial/Own use	Fruit			
Tree	Safeda	<i>Eucalyptus spp.</i>	Tree	Northern/Sub-Tropical	Good	Modertae	Commercial/Own use	Fruit			

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	Santha	<i>Dodonaea viscosa</i>	shrub	Firewood	Good
2	Kanner/Lal Gandila	<i>Nerium indicum</i>	shrub		Good
3	Daduni	<i>Punica granatum</i>	shrub	Live hedge fencing	Good
4	Bankhar	<i>Adhatoda vasica</i>	shrub		Good

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
	Lotus	Nelumbus nucifera			
	Water Cress	Nasturtium officinale			
	Fans				

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	Amla	<i>Emblica officinalis</i>	Tree	Northern/Sub-Tropical	Good		--	Medicinal	Bark		
Tree	Sukhchain	<i>Pongamia pinnata</i>	Tree	Northern/Sub-Tropical	Good		--	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 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					
Jangli Putna	<i>Mentha spp.</i>									
Maina	<i>Acridotheres tristis</i>									
Javi	<i>Avena fatua</i>									
Jangli Palak	<i>Chenopodium spp.</i>									

Note: Other details may include 'function as a substitute plant' in the absence of a particular plant

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 leaved	Sub-Tropical	Summer	Common
2	mango	<i>Mangifera indica</i>	Broad leaved	Sub-Tropical	Summer	Common
3	Safeda	<i>Eucalyptus spp.</i>	Broad leaved	Sub-Tropical	Summer	Common
4	Sree	<i>Albizia lebbeck</i>	Broad leaved	Sub-Tropical	Summer	Common
5	Talli	<i>Dalbergia sissoo</i>	Broad leaved	Sub-Tropical	Summer	Common

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.)
1	Cow	<i>Bos taurus</i>	mammals	Terrestrial	Common
2	Buffalow	<i>Babulus bubalis</i>	mammals	Terrestrial	Common
3	Sheep	<i>Ovis aries</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	Pigon	<i>Columba livia</i>	Birds	Terrestrial	Common
9	Ant	<i>Tapioma sessile</i>	insects	Terrestrial	Common
10	Bee	<i>Apis crana indica</i>	insects	Terrestrial	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
Sr. No.	Information of local importance	Remarks
	Vegetable to market - Cabbage, Cauliflower	

Jangli putna
Pigeons to market
Kaku- Dairy farms

End of Part II