

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Trewa

Taluk: Arnia

District: Jammu

State/UT: J&K

Geographical Area of the Panchayat Samiti: 351.67Hect

Population under the Panchayat Samiti: 5000

Male: 60% Female: 40%

Habitat and Topography: Plain

Climate (Rainfall, Temperature and weather patterns): moderate

Land Use (Nine fold classification available with village records) : Agriculture and some other purposes

Date, Month and Year of PBR Preparation: 21.08.2020

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: Balvir Kaur

Age: 30 Yr

Gender: Female

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

Area of specialization: Sarpanch

2) Name: Kuldeep Kour

Age: 52 Yr.

Gender:Female

Address: R/o. TrewaTehsil Arnia, Jammu-181131

Area of specialization:

3)Name: Veera Rani

Age:50

Gender:Female

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

Area of specialization: Housewife

4)Name: Anita Devi

Age: 41

Gender: Male

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

Area of specialization: Shopkeeper

5)Name: Atma Ram

Age: 65 Years

Gender:Male

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

Area of specialization: Ex- Sarpanch

6)Name:Amninder Singh

Age: 31 Year

Gender: Male

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

Area of specialization: Agriculture

7)Name: Raj Mohan

Age: 42 Year

Gender: Male

Address: R/o. Digiana, Jammu-180010

Area of specialization: VLW

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 : Rajinder

Age: 50

Gender: Male

Address: R/o. Trewa

Area of specialization: Bone Fracture (Ex - Service man)

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: Tilak Raj

Age: 50 Yr.

Gender: Male

Address: Jammu

Area of specialization: Forest

2) Name of the Chairperson: Gaurav Kumar

Age: 29

Gender: Male

Address: Trewa

Area of specialization: Fisheries

3) Name of the Chairperson: Pankaj Mahajan

Age: 36

Gender: Male

Address: Trewa

Area of specialization: Fisheries and Poultry

4) Name of the Chairperson: Bodh Raj

Age: 42 years

Gender: Male

Address: Trewa

Area of specialization:

5) Name of the Chairperson: Somnath

Age: 42 years

Gender: Male

Address: Trewa

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: Vikram Singh R/o Kotla Camp, Arnia , Jammu -181131 - Teacher

2) Contact Person: Krishan Lal (Panch) , Trewa

Name and Address:

3) Contact Person: Rinkal choudhary -Agrivculture (Potato Watermelon)

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
1	Bodh raj	Flower Gutta			
2	Rinkal Choudhary	Potato, Watermelon			
3	Tarachand	Vegetables			
4	Pankaj Mahajan	Poultry , Fisheries			
5	Somnath	Dairy			

End of Part I

Lasson	<i>Allium sativum</i>													
Onion	<i>Allium cepa</i>													
Lady Finger	<i>Abelmoschus esculentus</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 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						
Mango	<i>Mangifera indica</i>	Aam										
Guava	<i>Psidium guajava</i>	Amrud										
Citrus	<i>Citrus spp.</i>											
Loquat	<i>Eriobotrya japonica</i>	Laquat										
Jamun	<i>Syzgium cumini</i>	Jamun										
Pomegrate	<i>Punica granatum</i>	Anar										
Amla	<i>Phyllanthus emblica</i>	Amla										
Ber	<i>Ziziphus mauritiana</i>	Ber										
Banana	<i>Musa paradisiaca</i>	Kela										
Litchi	<i>Litchi chinensis</i>	Litchi										
Cherry	<i>Prunus avium</i>	Cherry										

Soil suitable for all type of fruits except those growing in hilly areas

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 alexandrum</i>	Chattalla								
Bajra	<i>Pennisetum glaucum</i>	Cherry								
Maize	<i>Zea mays</i>									
Oats	<i>Avena sativa</i>	Makki								
Cowpea	<i>Vigna unguiculata</i>	Bajra								

Other details include fodder for which animal, special features, medicinal uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc.

Wild Oats	<i>Avena fatua</i>	Jangli Javi										
Wild Rice	<i>Zizania palustris</i>	Swanki										

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
Cucurbits	Cucurbits fly	<i>Anastrepha grandis</i>							
Paddy	Tiddi	<i>Schistocerca gregaria</i>							
Rice	Gandhi bug	<i>Leptocorisa spp.</i>							
Mustard	Aphids	<i>Aphidoidea spp.</i>							
Crop Plants	Stem Borer	<i>Scirpophaga incertulas</i>							
Crops	Field rats	<i>Rattus argentiventer</i>							
Crops	Monkey	<i>Macaca mullata</i>							

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			
Lala ram		Buffalo						
Pyala Lal								
Arjun Singh		Goat and Sheep						
Vijay		Sheep						
Parvesh Kumar								

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, Population: 3211	Agriculture 80%	Animal Husbandry	Agri landscape	Water	Satisfying different needs water	Satisfied	Mix	Average	Average	710
	10-15% Belt force									

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											
Plains			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			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			10		
Tube well			State land and Private land			Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public			5 working, 8 not working		
Canal			Nil	Nil	Nil	Nil	Nil			1		
Hand pumps			Private	Panjphuli Jari, Bana, Aak, Khar grass etc.	Frogs, Fishes, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public			7, out of 5 for drinking purpose		
Aik Naala						General Purpose						

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					
Muddy+ Sandy							

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	Drainked	<i>Murraya koenign</i>		Sub-Tropical area	Seed	Rare	medicinal & spice	Medicinal	Leaves	N.A	N.A	Generally held by community
Tree	Drink	<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 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	Krangal	<i>Casia fistula</i>		Seed	Non-Commercial	NA	NA	NA	Genrally held by community
Tree	Satpati	<i>Alstonia scholaris</i>		Seed	Non-Commercial	NA	NA	NA	Genrally held by community
Tree	Bottle brush	<i>Callistemom lanceolatus</i>		Seed	Non-Commercial	NA	NA	NA	Genrally held by community
Tree	Marigold	<i>Tagetes spp.</i>							

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					
	Cow	Bos taurus										
	Buffalo	Bubalus bubalis										
	Goat	Capra aegagrus hircus										
	Sheep	Ovis aries										
	Horse	Equus caballus										
	Dog	Canis lupus familiaris										

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					
	Rohu	<i>Labeo rohita</i>										
	Common carp	<i>Cyprinus carpio</i>										
	Mringal	<i>Cirrhinus cirrhosus</i>										

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

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					
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Northern/ Sub-Tropical	Good		--	Medicinal	Bark		
Tree	Amla	<i>Emblica officinalis</i>	Tree	Northern/Sub-Tropical	Good		--	Medicinal	Bark		
Tree	Harad	<i>Terminalia chebula</i>	Tree	Northern/Sub-Tropical	Good		--	Medicinal	Bark		
Tree	Behra	<i>Terminalia bellirica</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 Javi	<i>Avena fatua</i>									
Bathua	<i>Chenopodium album</i>									
Chelari										
Maina	<i>Acridotheres tristis</i>									
Sonehal										
Gobhi Sarson	<i>Brassica napus var. napus</i>									
Jangli Pudina	<i>Mentha spp.</i>									

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

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				
Shisham	<i>Dalbergia sissoo</i>							
Ber	<i>Ziziphus jujuba</i>							
Safedaa	<i>Populus caspica</i>							
Aam	<i>Mangifera indica</i>							
Kikar	<i>Robinia pseudoacacia</i>							
Draink								
Tut	<i>Morus alba</i>							
Jamun	<i>Syzygium cumini</i>							

Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others)

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						Past	Present					
Wild animal	Squirrel	<i>Sciuridae spp.</i>	Northern/Sub-Tropical	--	--	Good	Good					
Wild animal	Pig	<i>Sus spp.</i>	Northern/Sub-Tropical	--	--	Good	Good					
Wild animal	Jackal	<i>Canis aureus</i>	Northern/Sub-Tropical	--	--	Good	Good					

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>Babalus 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
8	Peacock	<i>Pavo cristatus</i>	Birds	Terrestrial	Common
9	Ant	<i>Tapioa 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
	Floriculture (Marigold farming on large scale)	
	Vegetables marketing to Jammu and Kashmir	
	Sheep, Goat, Cow and Buffalo Marketing	
	Located near Border	
	Seed growers - Gurinder jeet singh (Kahlo) Agriculturists	
<p style="text-align: center;"><i>End of Part II</i></p>		