

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Panjgrain

Taluk: Nagrota

District: Jammu

State/UT: J&K

Geographical Area of the Panchayat Samiti: 3000 canal

Population under the Panchayat Samiti: 5000

Male: 1406

Habitat and Topography: Kandi Hills

Climate (Rainfall, Temperature and weather patterns): Moderate

Land Use (Nine fold classification available with village records) - Farming (crops plants, kanak, makk)

Date, Month and Year of PBR Preparation: 04/03/2021

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: Thoru Ram (Sarpanch)

Age: 60years

Gender: Male

Address: R/o. village Panjgarin

Area of specialization: Agriculture

2) Name: Jyoti Devi (Panch)

Age: 30

Gender: Female

Address: R/o Panjgrain

Area of specialization: Housewife

3)Name: Neelam Devi

Age: 40

Gender: Female

Address: R/o. Panjgrain

Area of specialization: Housewife

4)Name: Shaid Ali

Age:61 years

Gender: Male

Address: R/o. Village Panjgrain

Area of specialization:

5)Name: Dwarka Nath

Age: 35Years

Gender:Male

Address: R/o. Village Panjgrain

Area of specialization: Agriculture

6)Name: Darshan Kumar

Age: 45 Yr.

Gender: Male

Address: R/o. Panjgarin

Area of specialization: Farming , Private

7)Name: Mohd. Shakoor

Age: 29 Year

Gender: Male

Address: Khanpur

Area of specialization: Panchayat Secretary (Govt.)

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** Sham Lal (Kalu Ram)

Age: 56

Gender: Male

Address: R/o. Panjgrain

Area of specialization: General (Fracture healer)

Location from which the person accesses biological material: local forest and Pansari

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: Bashir Ahmed (Panch)

Age: 48

Gender: Male

Address: W.No 3, Kuwara

Area of specialization: Agriculture Activiteis

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:** Chand Sharma (9797392727)

Name and Address: Brahmaputra (W.no - 2) Vrida Ashram

2) **Contact Person:** Thoru Ram (9922306785)

Name and Address: Panchgrain (Barpanch)

3) **Contact Person:** Naseeb Singh (9622388142)

Name and Address: Panchgrain

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
	Horticulture Dept.	Fruits plants (Aam) , fruit grabbers, Artificial ponds	-	-	Multan Singh (High fruit producer)
	forest dept.	Safeeda , Guava , Kalyard			
	Thoru Ram (Sarpanch9)	Aam (Magnifera indica)			Sold fruits of whole tree - 15 k to 20 k (Individual)

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	Desi, Dushari , Malta	Plains	Plenty	Plenty	Nurseries	June- August		Fruit,Picking, Preserves	Marketing, own use	
Citrus Fruits	<i>Citrus spp</i>	Khatti, Mosambi, santra, Nimbu,	Local,Kagzi lime, Italian limeHill lemon etc	Plains,mid hills	Plenty	Rare	Nurseries	throughout year		Fruit, picking Squashes etc.	Marketing, own use	
Litchi	<i>Litchi chinensis</i>	Litchi	Calcutta Dehradun	Plains	Plenty	Normal	Nurseries	June- August		Fruit	Marketing	
Guava	<i>Psidium guajava</i>	Amrood	Local, Allahabadi, Safaida	Plains lower hills	Plenty	Plenty	Nurseries	June- August		Fruit	Marketing, own use	
Grapes	<i>Vitis vinifera</i>	Angoor	Local Dakh perlette	Plains mid hills	Rare	Rare	Nurseries	June- August		Fruit		

Aonia	<i>Phyllanthus emblica</i>	Ambla	local selection NA-7	Plains mid hills	Plenty	Plenty	Nurseries local collection	Nov- Dec.		Picking, fruit juices	Marketing, own use	
Ber	<i>Zizyphus mauritiana lamk</i>	Ber	Gola Banarasi	Plains	Plenty	Plenty	local raised	July- August		Fruit	Own use	
Jamun	<i>Syzygium cumini skeels</i>	Jamun	local selection	Plains	rare	rare	Nurseries, local raised	July- August		Fruit	Own use	
Pomegranate	<i>Punica granatum</i>	Anar, Druni	Ganesh, Kandhari local	Plains	Rare	Rare	Nurseries, local raised, wild	May- August		Fruit, anardana	Own use	
pear	<i>Pyrus app</i>	Nakh	Patharmakh, china pear	Plains mid hills	Rare	Rare	Nurseries	August-Sept		Fruit	Own use	
Peach	<i>Prunus persica (L) Batsch</i>	Aaroo	July Elberta, quetta	Plains mid hills	Rare	Plenty	Nurseries	June-July		Fruit	Marketing, own use	
Karonda	<i>Carissa carandas</i>	Gernay	Local	Plains/hills	Rare	Rare	Nurseries, wild	June-August		Fruit	Marketing, own use	

Papaya	<i>Carica papaya</i>	Papita	Local	Plains	Rare	Plenty	Nurseries, locally raised	August-October		Fruit	own use	
Loquat	<i>Eriobotrya japonica</i>	Lokaat	Local							Fruit	own use	

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
Mango	Insects	<i>Amritous atkinsoni/Drosicha Magiferae</i>	Tella, Mealey Bug	Field/Orchard	Feb-April/Feb Onward	Pesticide Pruning/Pesticide, Basin Making	Discourage HDP/Handpicking strickly band		
Citus	Insects	<i>Paapilio lemoteus/Euodocina fullonia</i>	Catepillar, Sucking moth	Orchard	April-may & Aug Oct/Maturity stage	Pesticides, other cultural method/Pesticides orchard sanitization	Hand pkicking/Smoking bagging dispose off		
Litchi	Insects	<i>Gatesclarkeama erotias</i>	Fruit nut birer	Orchard/Fied	At pea stage	Pesticides basin making ploughing			
Guava	Insects	<i>Bactrocera Dorsalis</i>	Fruit fly	Orchard/Fied	Maturity stage	Pesticides , fruit fly trape			
Aonla	Insects		Gall Maker	Orchard/Fied	Feb onward	Pesticides pruning	Destroy infected shoots		
			Sundi						

			Tridi						
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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
2419	Agriculture	Animal Husbandry	Agri landscape	Water	Satisfying different needs water	Satisfied	Mix	Average	Average	459
Hindu , Muslim										
ST, SC, OBC, General										

Farming > Labourer > Private > Govt.

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, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public					
Streams			State land and Private land	Bana, aak, Khar Grass, Panjphuli Jari Etc	Frogs, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public					
Tube well		Phe - 4 , Private	State land and Private land			Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public					

Dug wells			Private			Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public					
River		Balini										
Hand pumps			Private	Panjphuli Jari, Bana, Aak, Khar grass etc.	Frogs, Fishes, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public				5 handpumps	
Bowlis			Private	Bana, aak, Khar Grass, Panjphuli Jari Etc	Frogs, Fishes, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public					

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							
Clayey							

Format 11: Fruit Trees				DOMESTICATED BIODIVERSITY								
1	2	3	4		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						
Mango	Aam	<i>Mangifera indica</i>	Desi, Dushari , Malta	Plains	Plenty	Plenty	Nurseries	June- August		Fruit,Picking, Preserves	Marketing, own use	
Citrus Fruits	Khatti, Mosambi, santra, Nimbu,	<i>Citrus spp.</i>	Local,Kagzi lime, Italian limeHill lemon etc	Plains,mid hills	Plenty	Plenty	Nurseries	Throughout year		Fruit, picking Squashes etc.	Marketing, own use	
Litchi	Litchi	<i>Litchi chinensis</i>	Calcutta Dehradun	Plains	Plenty	Plenty	Nurseries	June- August		Fruit	Marketing	
Guava	Amrood	<i>Psidium guajava</i>	Local, Allahabadi, Safaida	Plains lower hills	Plenty	Plenty	Nurseries	June- August		Fruit	Marketing, own use	
Grapes	Angoor	<i>Vitis vinifera Michx</i>	Local Dakh perlette	Plains mid hills	Rare	Rare	Nurseries	June- August		Fruit		
Aonia	Ambla	<i>Phyllanthus emblica</i>	local selection NA-7	Plains mid hills	Plenty	Plenty	Nurseries local collection	Nov- Dec.		Picking, fruit juices	Marketing, own use	

Ber	ber	<i>Ziayphus mauritiana lamk</i>	Gola Banarasi	Plains	Plenty	Plenty	local raised	July- August		Fruit	Own use	
Jamun	Jamun	<i>Syzygium cumini</i>	local selection	Plains	Rare	Rare	Nurseries, local raised	July- August		Fruit	Own use	
Pomegranate	Anar, Druni	<i>Punica granatum</i>	Ganesh, Kandhari local	Plains	Rare	Rare	Nurseries, local raised, wild	May- August		Fruit, anardana	Own use	
Peach	Aaroo	<i>Prunus persica (L) Batsch</i>	July Elberta, quetta	Plains mid hills	Rare	Plenty	Nurseries	June-July		Fruit	Marketing, own use	
Karonda	gernay	<i>Carissa carandas</i>	local	Plains/hills	Rare	Rare	Nurseries, wild	June-August		Fruit	Marketing,own use	
Papaya	Papita	<i>Carica papaya</i>	local	Plains	Rare	Plenty	Nurseries, locally raised	August-October		Fruit	Own use	

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 Shivalik/Temp crate area	Stem/Seed	Abundant	Abundant	Medicinal	Leaves	N.A	N.A	Generally held by community	
Herbs	Bhang	<i>Canabis sativa</i>		Lower Shivalik	Seed	Abundant	Abundant		Medicinal	Leaves	N.A	N.A	Generally held by community
Herbs	Drainked	<i>Murraya konegii</i>		Sub-Tropical area	Seed	Rare	medicinal & spice		Medicinal	Leaves	N.A	N.A	Generally held by community
Tree	Draink	<i>Melia azadirach</i>		Lower shivalik	Seed	Abundant	medicinal & spice		Medicinal	Leaves	N.A	N.A	Generally held by community
Tree	Tali	<i>Dalbergia sissoo</i>		Lower shivalik	Seed	Abundant	medicinal & spice	Timber & Fodder	Stem	N.A	N.A	Generally held by community	
Tree	Jamun	<i>Syzygium cumini</i>		Lower shivalik	Seed	Abundant	Abundant	Medicinal	Leaves/Fruit	N.A	N.A	Generally held by community	

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/ Knowledge holder
Tree	Krangal	<i>Casia fistla</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	Bittle brush	<i>Callistemom citirius</i>		Seed	Non-Commercial	NA	NA	NA	Genrally held by community
Tree	Hibicus	<i>Hibiscus spp.</i>							
Tree	Gandela	<i>Calendula arvensis</i>							
Tree	Kaneer	<i>Cascabela thevetia</i>							

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

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 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic,social,cultural etc.)	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	Sukchain	<i>Pongamia pinnata</i>	Tree	Northern/Sub-Tropical	Good		--	Medicinal	Bark		

Format 26: Timber Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Habitat	Local	Other uses, if any	Associated Tk	Any other detail	Community knowledge holder
Shisham	<i>Dalbergia sissoo</i>						
Ber	<i>Ziziphus jujuba</i>						
Jamun	<i>Syzygium cumini</i>						
Sree	<i>Bombax ceiba</i>						

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 sapp.</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

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>Tapiooma sessile</i>	Insects	Terrestrial	Common
10	Bee	<i>Apis cerana indica</i>	Insects	Terrestrial	Common
11	Leopard	<i>Panthera pardus</i>			
12	Titar	<i>Ortygornis pondicerianus</i>			

13	Pigeon	<i>Columba livia</i>			
14	Porcupine	<i>Erethizontidae spp.</i>			
15	Jackal	<i>Canis aureus</i>			
16					

Format 31: Any other information of local importance

1	2	3
Sr. No.	Information of local importance	Remarks
	High quality - Sand	
	Jungli putna	
	Giloe- Immunity booster	
	Rakte (Red coloured)	
	Jungli karele - edible	
	Curry plants	