

## Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: SAWJIAN A

Taluk/Tehsil: MANDI

District: POONCH

State/UT: Jammu And Kashmir

Geographical Area of the panchayat Samiti: 5:3

Population Of the Panchayat samiti...Total 2150

Male= 1200

Female = 950

Habitat and Topography: Slopy Area

Climate (Rainfall, Temperature and other weather patterns): Cold temperature

Land Use (Nine fold classification available with village records): Agricultural land

Date, Month and Year of PBR preparation: 24-09-2021

## ANNEXURE 1

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

1) Name of the Chairperson: Mr. Mohd. Hanief

Age: 50 years

Gender: Male

Address:- Sawjian A

Area of specialization:

2) Name: Mohd. Zaffar

Age: 40 years

Gender: Male

Address:- Sawjian A

Area of specialization

3) Name: Mushtaq Ahmed

Age: 45 years

Gender: Male

Address:- Sawjian A

Area of specialization:

4) Name: Sarba Bi

Age: 35 years

Gender: Female

Address:- Sawjian A

Area of specialization:

5)Name: Mohd. Rashid

Age: 42 years

Gender: Male

Address:- Sawjian A

Area of specialization:

6)Name: Peer Taj Din

Age: 38 yars

Gender: male

Address:- Sawjian A

Area of specialization:

7)Name: Sakina Begum

Age: 45 years

Gender: Female

Address:- Sawjian A

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**

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: Mr. Imtiaz Ahmed Khan

Age: 48 years

Gender: Male

Address: Sawjian A

Area of specialization: FARMER fisheries

**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

2) Contact Person:

Geographical Area of the Panchayat Samiti:

**ANNEXURE 5**

<b>S.no</b>	<b>Name and address of the Person/Institute/company others</b>	<b>Local and Scientific Name of the biological material Accessed and quantity</b>	<b>Date and resolution of the BMC and endorsement by the Panchayat</b>	<b>Detail of collection fee imposed</b>	<b>Anticipated mode of sharing benefits or quantum of benefits shared</b>

**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							
Vegetable	<i>Solanum tuberosum</i>	Aloo	Local, Kufri Sindoori, Kufri Jyoti	Sub-Tropical		Normal	Normal	Tubers are round, Creamish void	Kharif	vegetable & Chips	High carbohydrate	-	Natural	Farmers
Shrub	<i>Brassica Juncea</i>	Sarsoon	Pusa bold, Gobi sarson	Sub-Tropical		Normal	Normal	Matures in 145-150 daya	Rabi	Source of energy	Vegetable oil extracted from seeds used in cooking	-	Seeds/Natural	Farmers
Vine	<i>Phaseolus vulgaris</i>	Rajmash	Local	Temperate/ Subtropical		Rare	Normal	Medium Yieldin	Kharif	Source of energy	Prefferred food for parties	-	Seeds	Knowledge holder
Herb	<i>Zea mays</i>	Maki	Rasi 4794, Kh-517, Kh 612, DD	Temperate/ Subtropical		Plenty	Plenty	HVY, resistant to drought and lodging	Kharif	Food Fodder	Stapple food	-	Seeds/Natural	Community



**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						
Tree	<i>Juglans regia</i>	Akhroot	Khagzi, Hard shell	Mid hill	Rare	Common	Nurseries	July-Aug	-	Dry fruits	Market / own use	Farmers/ Community
Tree	<i>Malus domestica</i>	Saib	Red delicious	Temperate	Rare	Common	Nurseries	Aug-Oct	-	Fruits, value addition	Market / own use	Community
Tree	<i>Prunus Persica</i>	Aaro	Local	Sub-tropical, Mid hill	Plenty	Plenty	Nurseries, Locally raised	July-Sept	-	Fruits	Own use	Farmers
Tree	<i>Pyrus spp</i>	Nakh	Patherpan, china pear	Mid hill	Plenty	Plenty	Nurseries	Aug - Sept	-	Fruits	Own use	Farmers/ Community

**Format-3 Fodder Crops and 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					
Grass	<i>Trifalium alexandrinum</i>	Chtalla	Irrigated areas	Local	Improved	Seed selected from previous years	Nutritious/ Palatable fodder	Grain for seed	Suitable for fodder	Farmers
Herb	Allium Sativum	Thoom	Sub-tropical	Local	Common	Agricultural Deptt	Medicinal use	Clove	Species	Farmers
Grass	<i>Avena sativa</i>	Javi	Sub-tropical / Intermediate	Rare	Rare	Agricultural Deptt	Nutritious/ Palatable fodder	Whole plant	Suitable for fodder	Farmers/ Knowledge holder
Herb	<i>Coriandrum sativum</i>	Dhania	Sub-tropical	Local	Local	Agricultural Deptt	Nutritious source of energy	Whole plant	Spices & veg use	Farmers

**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					
Weed	<i>Cyprus rotundus</i>	Ghass	Maize	Compete with main crop	Sub-tropical / Intermediate	No weed mgt	Weed mgmt. on scientific lines	-	Manual/ Chemical mgmt	Nil	No TK associated with knowledge of weed	
Weed	<i>Chenopodium album</i>	Bathua	Wheat, vegetables	Compete with main crop	Sub-tropical / Intermediate	Plenty	Plenty	-	Chemical, Manual control	Nil	Farmer	Knowledge holder
Weed	<i>Ipomea sp.</i>	Zeher bael	Maize	Compete with main crop	Sub-tropical / Intermediate	No weed mgt	Weed mgmt. on scientific lines	-	Manual/ Chemical mgmt	nil	No TK associated with knowledge of weed	
Weed	<i>Avena spp</i>	Jungali Jari	Wheat	Compete with main crop	Sub-tropical / Intermediate	Plenty	Plenty	-	Chemical contro	Nil	Farmer	Farmers

**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
Maize	Cut Worm	<i>Agrotis spp</i>	Makki da kida	Sub Tropical	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Maize/Wheat	Termite	<i>Odentotermes obesus</i>	Sink	Sub Tropical	Kharif	Chemical control	-	Feed on crop leaves	Farmers
Rice	Yellow Stem Borer	<i>Sciropophagai Incertulas</i>		Paddy field	August to September	· Clipping of tip of seedlings before transplanting to eliminate egg masses.	nil	nil	Farmers
Rice	Brown Plant Hopper	<i>Nilaparvata lugens</i>		Paddy Field	August to September	· Closure spaces should be avoided	nil	nil	Community knowledge holder





### 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											
Cultivated Land	Not Applicable	Not Applicable	Cultivated Land		Agricultural Land are Privately owned	Fodder and Crop Plants	Insects,Snakes, Dogs,Fox,Jackels etc	Nil	Nil	Nil		Nil	Low-Income community
Non-Cultivated Land	Applicable	Not Applicable	Non-Cultivated Land		Govt./Private	Wild plants and Fodder Plants	Insects,Snakes, Dogs, Fox, Jackels etc	Nil	Nil	Nil		Nil	Low-Income community
Forest Land	Not Applicable	Not Applicable	Forest Land		Government	Wild plants	Wild animals, wild Chicken, fox, Jackel, Insects etc	Nil	Nil	Nil		Nil	Low-Income community

**Format-9 Waterscape**

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Waterscape element type</b>	<b>Sub- type</b>	<b>Features and approx area</b>	<b>Ownership</b>	<b>General flora</b>	<b>General fauna</b>	<b>Major uses</b>	<b>User groups</b>	<b>Management practices</b>	<b>General uses</b>	<b>Associated TK</b>	<b>Other details</b>	<b>Community accessed</b>
	Nallas	Originates from the foothills of Mountains	Govt. and Panchayat	Frog,Tadpoles, Fishes,Water, Water Snakes, Crabs etc	Wild and Aquatic Plants	Irrigation	Farmers		For Irrigation and Drinking of Domesticated animals and Wild Animals	Nil	Nil	Local Villagers





**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						
Apricot	khubaani	<i>prunus armeniaca</i>		high land/lowlan	Good	Good	Plant	may to june	Own			
Peach	Addu	<i>Prunus persica</i>	Local	Low land valley	Good	Good	Local preserve	Jun-July	Own/Marketing			
Grapes	Angoor	<i>Vitis vinifera</i>	Local	Wild as well as cultivated	Good	Good	Local preserve	Mar-April	Marketing			
Apple	Seb	<i>Malus domestica</i>	Red delicious	Low land valley	Good	Good	Local preserve	Jun-July	Own/Marketing			
Pear	Bagugosha	<i>Pyrus communis</i>	Local	Low land valley	Good	Good	Local preserve	Jun-July	Own/Marketing			

**Format-12 Medicinal Plants (Herb, 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					
Shrubs	Trimuru	<i>Zanthoxylum aurmatum</i>	Local	Sub-tropical	Seed	Abundant	Abundant	Good for Cleaning Teeths.	Stem / Seed	N.A	N.A	Generally, held by community
Trees	Bair	<i>Ziziphus xylocarpa</i>	Wild	Sub-tropical	Seed	Rare	Rare	Medicinal use	Fruit,Leaves	N.A	N.A	Generally, held by community
Herb	Guchi	<i>Morchella vulgaris</i>	Wild	Mid Hills/ Lowlands hills	Naturally occurring	Common	Common	Medicinal use	Whole plant	N.A	N.A	Community
Herb	Thoom	<i>Allium sativum</i>	Local	Sub-tropical	Seed	Common	Common	Medicinal use	Clove	N.A	N.A	Farmers
Shrubs	Kiker	<i>Acacia Nilotica</i>	Local	Mid hills	Natural	Common	Common	Medicinal use	Leaves	N.A	N.A	Knowledge holder

**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
Saroon	Saru			Stems	do	ornamentation			do
Burnas	Hardul	Rhododendronarbore			do	do			do

**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					
Trees	Chir	<i>Pinus roxburghii</i>	High lands	good	Good			nil	nil	
Trees	Ban Khor	<i>Aesculus indica</i>	High lands	Good	Rare		Dry fruits	nil	nil	

### 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					
Mammal	Gaiya	Bos Taurus	ND	Low yield	Backyard	Abundant	Decreased	Diary	Nil	No	-	
Mammal	Manj	<i>Bubales bubalis</i>	Local	Low yield	Backyard	Abundant	Decreased	Diary	Nil	No	-	
Dog	Kutta	<i>Cains lupus</i>	Local	Nil	Stray	Abundant	Abundant	Nil	Nil	No	-	
Horse	Ghora	<i>Equus caballus</i>	Local	Red cloured Body	Backyard	Abundant	Abundant	Pack Purpose	Nil	No	-	
Kukarr	<i>Galus domesticus</i>	Local	Local	Enriched meaast flavour	Backyard	Abundant	Decreased	Egg & meat	Nil	No	-	







**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					
Herbs	Banfsha	<i>Viola odorata</i>		Sub-Tropical	Abundant	Abundant	Own use	Flower	nil	nil	Generally, held by community
Shrubs	Simlu	<i>Berberis lyceum</i>		Forest	Rare	Average	Own/Commercial use	Fruits/Leaves	Nil	nil	Knowledge holder
Trees	Rein	<i>Quercus Incana</i>		Forest	Rare	Common	Own/Commercial use	Leaves/ Wood	Nil	nil	Knowledge holder
Trees	Bair	<i>Ziziphus xylocarpa</i>		Sub-Tropical	Rare	Rare	Own use	Leaves/ Fruit	Nil	nil	Community

**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	Bhang	<i>Cannabis sativa</i>	Wild	Economic, social	
2	Wild anaar	<i>Punica granatum</i>	Wild	Economic, social	
3	Rose	<i>Rosa acicularis</i>	wild	Ornamental uses	Common
4	Rein	<i>Quercus Incana</i>	Wild	Economic & Medical	Common
5	Simlu	<i>Berberis lyceum</i>	Wild	Economic, Fruit and Medicinal uses	Common

**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				
Luss	<i>Schizothorax spp.</i>		elongated subcylindrical body with short blunt upper jaw , herbivorous		Common	Rare		Nil		
Machi	<i>Barillius sp.</i>		omnivorous body very long and much compressed sides irregularly marked with numerous incomplete oblique spots		Rare	Rare	As food	Rich in protein		

**Format-21 Wild Aquatic Plant Species of Importance**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Sl. No.</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Variety</b>	<b>Importance</b>	<b>Trends</b>
Nil	Nil	Nil	Nil	Nil	Nil

**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	Banafsha	<i>Viola</i>	Herb					Flowers are used in perfumery & are also used medicinally as demulcent and biliousness & lungs trouble	Flower		
Climber	Dioscorea	<i>Dioscorea deltoidea</i>	Climber					The tubers yield diosgenin, which is used to synthesize sex hormones.	Tuber		
Shrub	Simlu	<i>Berberis lyceum</i>	Shrub					It is an excellent tonic for combating ability after malarial & other fevers & diseases	Fruit, roots		

**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					
Mustard	<i>Brassica Compestris</i>	Turnip	Terrestrial	Good	Good	Fodder	Fodder	Whole plant		Pahari Community
Potato	<i>Solanum Tuberosum</i>	Beans	Terrestrial	Good	Good	As food	As food	Rhizome		Kashmiri Community

**Format-24 Ornamental Plants**

1	2	3	4	5	6	7	8
<b>Local Name</b>	<b><i>Scientific Name</i></b>	<b>Variety</b>	<b>Habitat</b>	<b>Commercial / Non-commercial Uses</b>	<b>Associated TK</b>	<b>Any other Detail</b>	<b>Community/ Knowledge Holder</b>
Gandera	<i>Nerium oleander</i>	Local	Near the nalla's	Non-Commercial	N.A		

**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		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
Shrub	Trimuru	<i>Zanthoxylum</i>	Local	Forest	Rare	Rare	use for teeth Cleaning/ Medicinal Purpose	Fruit, Branches	-	-	Generally, held by community
		<i>aurmatum</i>									
Shrub	brankad	<i>Adha toda vesica</i>	Local	Locally present	Rare	Rare	Medicinal purpose	Flower	-	-	Generally, held by community
Shrub	Bana	<i>Vitex negundo</i>	Local	Locally present	Common	Common	use for teeth Cleaning	Branches	-	-	Generally, held by community
Tree	Kiker	<i>Acacia Nilotica</i>	Local	Forest	Common	Common	use for teeth Cleaning	Branches	-	-	Generally, held by community



**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				
Kail	<i>Pinus wallichiana</i>	Temperate	Dense	Least dense	Roofing, furniture etc.	Whole for different uses		
Spruce	<i>Picea smithiana</i>	Temperate	Dense	Least dense	Roofing, furniture etc.	Whole for different uses		





**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					
Mammal	Black bear	<i>Ursus thibetanus</i>				Available	Available		Prohibited		Maintains forest ecosystem	
Mammal	Porcupine	<i>Hystrix indica</i>				Available	Available		Prohibited		Maintains forest ecosystem	
Mammal	Leopard	<i>Panther pardus</i>				Available	Available		Prohibited		Maintains forest ecosystem	
Bird	House crow	<i>Corvus splendens</i>				Available	Available		Prohibited		Maintains forest ecosystem	
Bird	Koel	<i>Eudynamys scolopaceas</i>				Available	Available		Prohibited		Maintains forest ecosystem	

## 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.)
1	Chir	<i>Pinus roxburghii</i>	Tree	Sub-tropical	Aug-Oct	Common
2	Rein	<i>Quercus Oblongata</i>	Tree	Hilly areas	July-Sept	Common
3	Bhang	<i>Cannabis sativa</i>	Herb	Forest	July-Oct	Common
4	Ban Khor	<i>Aesculus indica</i>	Tree	Sub-tropical	Apr-May	Common
5	Ghass	<i>Trifolium alexandrinum</i>	Herb	Sub-tropical	Aug-Sept	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	Manj	Bubalus bubalis	Mammals	Local	Common
2	Baeda	Ovis Arise	Mammals	Local	Common
3	Tulva	<i>Tatera indica</i>	Pest	Agricultural field	Common
4	Goat	Capra aegagrus	Mammals	Forest	Common
5	Gheedar	<i>Canis aureus</i>	Mammals	Forest	Common

**Format 31: Any other information of local importance**

1	2	3
Sr. No.	Information of local importance	Remarks
1	the halqa panchayat is near the loc and is affected by shelling and connected by the road constructed by bro. this area is also adjacent to the city .urban-rural continuum is clearly visible.	Nil