

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Chandi Marh A

Taluk/Tehsil: Buffleaz

District: Poonch

State/UT: Jammu And Kashmir

Geographical Area of the panchayat Samiti:

Population Of the Panchayat samiti... Total 3000

Male= 1800

Female = 1200

Habitat and Topography: Hilly area

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

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

Date, Month and Year of PBR preparation: 13-09-2021

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: Mr. Mohd. Shakoor

Age: 32 years

Gender: Male

Address:- Chandi Marh A

Area of specialization:

2) Name: Ali Akbar

Age: 38 years

Gender: Male

Address:- Chandi Marh A

Area of specialization

3)Name: Abdul Gahani

Age:40 years

Gender: Male

Address:- Chandi Marh A

Area of specialization:

4)Name: Mohd. Akamal

Age: 45 years

Gender:male

Address:- Chandi Marh A

Area of specialization:

5)Name: Rafike Koseer

Age: 28 years

Gender: Female

Address:- Chandi Marh A

Area of specialization:

6)Name: Rayaz Ahmed

Age: 27 years

Gender: Male

Address:- Chandi Marh A

Area of specialization:

7)Name: Saleema Kosers

Age: 29 years

Gender: Female

Address:- Chandi Marh 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

1) Name :

Age:

GENDER:

Address:

Area of specialization:

Location from which the person accesses biological material: local/non local

Perception of the practitioner on the resource status: less local resources available

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 :

Age:

Gender:

Address:

Area of specialization: Agriculture

2) Name :

Age: 50

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:

Name and Address:

2) Contact Person:

Name and Address:

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

ANNEXURE 5

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

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							
Maize	<i>Zea Mays</i>	Makh	Bio-9621, K-6129, K-65, GG, star -9, 4794,DD, 7314	Hilly, Temperate & intermediate areas of district	24000 Hac.	Local varieties	Improved varieties	1.March to April sown	Kharif	1. Major food item	Staple food	-	Farmers kept seed, Deptt. of Agri, Private seed dealer	Generally aged farmer or rural communities
								2.Local variety dentles		2. Feeding to poultry and cattle				
								3.Corn and flour sweet in taste		3 .Used as flour				
										4. Straw used as dry fodder				
Wheat	<i>Triticum astivum</i>	Kanak	HD -2967, HD 3086	Hilly, Temperate & intermediate areas of district	15000 hac.	Local varieties	Improved varieties	1.HYV	Rabi	1. Grains used as food	Staple food	-	Seed selected from previous yr. crop, deptt. of agri.	Local faming communities
						Moond		2. Resistant to pest		2.Straw used as dry fodder				
								3. susceptible to all kind of rust		3.Pre mature crop used as fodder				
								4. Drought resistant						
Garlic	<i>Allium sativum</i>	Thoom	Yamuna Safed(G-1,G-50,G-282), German White	Hilly, Temperate & intermediate ar. of distt.	50 hac.	Local varieties	Improved varieties	1.Disease resistance variety	Rabi	As a spice	-	-	Seed selected from previous yr. crop,	Local faming communities
								2. 5-8 cloves						
								3. Rich and spicy in flavour						

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>Dioscorea lotus</i>	Malook	Local	Wild as well as cultivated	Rare	Common	Agri deptt.	May-June	Medical purpose	Fruits are used as purgative and laxative agent		
Tree	<i>Morus indica</i>	Toot	Local	Wild as well as cultivated	Common	Common	Agri deptt.	Aug-Sep	Medical purpose	Used against sore throat		
Tree	<i>Malus domestica</i>	Saeb	Red delicious	Wild as well as cultivated	Rare	Rare	Agri deptt.	Aug-Sep	Medical purpose	-		Knowledge holder
Tree	<i>Pyrus Spp.</i>	Nashpati/nakh	Local	Wild as well as cultivated	Rare	Rare	Agri deptt.	Aug-Sep	Medical purpose	-		Knowledge holder

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					
Tree	<i>Zea mays</i>	Kharb	Hilly & Low land	Common	Common	Locally raised & Agri Deptt.	Suitable for fodder	Whole part	Suitable for fodder	Knowledge holder
Herb	<i>Aesculus indica</i>	Ban khor	Hilly & Low land	Common	Common	Locally raised & Agri Deptt.	Suitable for fodder	Leave used as fodder to cure the chest diseases of horse , Donkey also act as colic	Cow/ Buffalo	Knowledge holder
Herb	Allium Sativum	Thoom	Hilly & Low land	Common	Common	Locally raised & Agri Deptt.	as spices	Clove	Species	Knowledge holder

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					
Maize	<i>Chenopodium album</i>	Bathua	Wheat, vegetables	Compete with crops for space and nutrients	Sub-tropical	Common	Common	Used as vegetable	There is no control mgt. Practices because it spread all over	Rich source of Protein, Vit-A, calcium & Potash	Exotic	Knowledge holder
Herb	<i>Avena spp</i>	Jungali Jari	Wheat	Compete with crops for space and nutrients	Sub-tropical	Common	Common	Green fodder for animal	There is no control mgt. Practices because it spread all over	Source for high quality protein	Local	Knowledge holder
Shrubs	<i>Canabis sativum</i>	Bhang	All crops , specially maize	Compete with crops for space and nutrients	Sub-tropical	Common	Common	Leaves for medical purpose	There is no control mgt. Practices because it spread all over	Whole plant is used to intoxicant, antiseptic, sedative	Local	Knowledge holder

Format-5 Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	<i>Scientific name</i>	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	July - Sept	Chemical control	-	Feed on crop leaves	Farmers
Maize/Wheat	Maize , stem borer	<i>Odentotermes</i>	Sink	Sub Tropical	Kharif/ Rabi	Chemical control	-	Feed on crop leaves	Farmers
Maize/ All crops includes vegetables	Rat	<i>Ratus</i>	Tulva	Sub Tropical	During sown of crop and also damage the crops when ripens	Chemical control	-	Damage the root of crops and cause hole	Farmers

Format-8 Landscape

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-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
Sandy and clay soil	Clayey loam, sandy loam,	Fine Granular, Dub-Angular Blocky Structure having pH 7.8- 8.3, Water Holding capacity more than 40%	Use of Organic matter	Maize, Wheat		-	-

Format-11 Fruit Trees

1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Local Name	<i>Scientific Name</i>	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						
Tree	Malook	<i>Dioscorea</i>	Local	Well cultivaed	Rare	Common	Agri Deptt.	May-June	Fruits	Medical		Knowledge holder
Tree	Bagugosha	<i>Pyrus spp.</i>	Local	Well cultivaed	Common	Common	Agri Deptt.	July-Aug	Fruits	Medical	Own use/Market	

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 armatum</i>	Local	Sub-tropical	Seed	Abundant	Abundant	Good for Cleaning Teeths.	Stem / Seed	N.A	N.A	Generally, held by community
Shrubs	Anardana	<i>Punica granatum</i>	Local	Sub-tropical	Seed	Rare	Rare	Edible	Fruit	N.A	N.A	Generally, held by community
Shrubs	Bhang	<i>Canabis sativia</i>	Wild	Sub-tropical	Seed	Abundant	Abundant	Medicinal use	Leaves	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	Mathur	<i>Cyprus rotundus</i>	Local	Sub-tropical	do	Common	Common	Stem and leaves used against irregular menstruation, diarrhoeas & vomiting	Leaves	Medical purpose	N.A	Knowledge holder
Herb	Hand	<i>Rumex nepalensis</i>	Local	Sub-tropical	Naturally occurring	Common	Common	Extract of leaves used as wounds & skin problems		Medical purpose	N.A	Knowledge holder

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>	Sub-tropical	Rare	Rare		Roofing, furniture etc.	nil	nil	
Trees	Oak	<i>Quercus incana</i>	Sub-tropical	Rare	Rare		Roofing, furniture etc.	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	Manj	<i>Bubales bubalis</i>	Local	Short tail	Shed	Rare	Common	Milk, Mutton				Farmers
Mammal	Gaiya	Bos Taurus	Local	Short tail	Cow Shed	Common	Common	Milk				Farmers

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					
Trees	Drankh	<i>Melia azedarach</i>	Trees	Sub-Tropical	Abundant	Rare	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Fagwara	<i>Ficus palmata</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Kainth	<i>Pyrus paschia</i>	Trees	Sub-Tropical	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Kiker	<i>Acacia Nilotica</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Trees	Sub-Tropical	Rare	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Shurbs	Bhang	<i>Canabis sativia</i>	Shurbs	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Herbs	Jungli putna	<i>Mentha arvensis</i>	Herbs	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Herbs	Banfsha	<i>Viola odorata</i>	Herbs	Sub-Tropical	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community

Grass	Drub/Khabbal	<i>Cyanodon dactylon</i>	Grass	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Kai/Kana	<i>Saccharum spontaneum</i>	Grass	Sub-Tropical			own	Stem	nil	nil	Generally, held by 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	Akhroot	<i>Juglans regia</i>	Wild	Economic, social	Rare
2	Bhang	<i>Cannabis sativa</i>	Wild	Economic, social	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>	Local	elongated subcylindrical body with short blunt upper jaw , herbivorous		Rare	Common		Nil		
Sona Machhli	<i>Barillius sp.</i>	Local	omnivorous body very long and much compressed sides irregularly marked with numerous incomplete oblique spots		Common	Common	As food	Rich in protein		

Format-21 Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Simlu	<i>Berberis lyceum</i>	Wild	Leaves are used to treat diabetes, scurbies, Pimples & Jaundice, fever, Bone fracture and in healing wounds.	Common
2	Chikri	Buxus Wallichiana	Wild	Used wood for fuels	Common

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	Patrees	<i>Aconitum heterophyllum</i>	Herb					It is an excellent tonic for combating ability after malarial & other fevers & diseases	Roots		
Herb	Banafsha	<i>Viola</i>	Herb					Flowers are used in perfumery & are also used medicinally as demulcent and biliousness & lungs trouble	Flower		
Herb	Kuth	<i>Soussurea lappa</i>	Herb					Used in treatment of cough, asthma & fever.	Root		
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					
Ban khori	<i>Aesculus indica</i>	Akhrot	Scattered	Available	Available		Fruit / leaves			
Jungli putna	<i>Mentha arvensis</i>	Putna	Along the Nalla's	Rare	Rare	Medicinal use	Laef	Medicinal Properties		Generally, held by community

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>									
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		
Fir	<i>Abies pindrow</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	

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.)
Nil	Nil	Nil	Nil	Nil	Nil	Nil

Format-30 : Fauna.

1	2	3	4	5	6
S. No.	Local Name	Scientific Name	Type of Animals (Mammals/ Birds/ Fish/ Insect etc.)	Habitat	Remarks (Rare/ Common etc.)
Nil	Nil	Nil	Nil	Nil	Nil

Format - 31 (Any other information)

1	2	3
Sr. No.	Information of local importance	Remarks