

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti:-Lehar (7889763997)

Taluk:- Kulwanta

District:- Udhampur

State:- UT J&K

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total 1895

Male:-961

Female:-934

Habitat and Topography:- Rural and Natural Type Habitat Max Covered under Forest winter, summer, rainy season

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

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 bod not less than one third to be women and not less than 18% belonging to SC/ST)

1) Name of the Chairperson:- Madan Lal, Chairperson

Age:- 38 yrs

Gender:- Male

Address: Lehar

Area of specialization:

2) Name:- Shinder Paul

Age:- 25 yrs

Gender:- Male

Address: Lehar

Area of specialization:

3) Name:- Bimblo Devi

Age:- 50 yrs

Gender:- Female

Address: Lehar

Area of specialization:

4) Name:- Bindoo Ram

Age: 60 yrs

Gender:- Male

Address: Lehar

Area of specialization:

5) Name:- Gopal Dass

Age:- 38 yrs

Gender:- Male

Address: Lehar

Area of specialization:

6) Name:- Maya Devi

Age: 55 yrs

Gender:- Female

Address: Lehar

Area of specialization:

7) Name:

Age:

Gender:

Address:

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:

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:

Age:

Gender:

Address:

Area of specialization:

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:

Name and Address:

2) Contact Person:

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

Part II
PBR – Formats
AGROBIODIVERSITY

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							
Rice	<i>Oryza sativa</i>	Dhan	China	Lowland valleys		Normal	Normal	Tall variety High yield Resistant to drought, flood, pest & diseases	June-July	Food Fodder Roofing Fuel	Provides more energy	Life cycle 105-115 days	Agriculture department	Kurichiya Kuruma W. Chetty
Maize	<i>Zea mays</i>	Muck	Bio-seeds, Local yellow			Normal	Highly produced	Disease resistant, high yield	June-July	Food Fodder	Nutritional value	-	Agriculture department	Farmers/ Department
Wheat	<i>Triticum aestivum</i>	Kank	2967			Normal	Plenty	Disease resistant	Oct-Nov	Food Fodder	Nutritional value	-	Agriculture department	Farmers/ Department

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
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
					Past	Present					
Peach	<i>Prunus persica</i>	Addu	Wild	Agri. Land	Abundant	Plenty	Seeds/Plant	Mar-June	-	Own use	Own use
Pear	<i>Pyrus communis</i>	Naakh	Wild/ Local	Agri. Land	Abundant	Plenty	Seeds/Plant	Aug-Sept	-	Own use	-
Pear	<i>Pyrus Pyrofolia</i>	Naakh	Wild/ Local	Agri. Land	Abundant	Plenty	Seeds/Plant	July-Sept			
Plum	<i>Prunus domestica</i>	Alo bukhara	Local	Agri. Land	Abundant	Plenty	Seeds/Plant	Oct-Nov	Mar-July	-	Own use
Apricot	<i>Prunus armeniaca</i>	Khubani	Local	Agri. Land	Abundant	Plenty	Seeds/Plant	May-Aug	Mar-July	-	Own use
Kainth	<i>Pirus serotina</i>	Kainth	Local	Agri. Land	Abundant	Plenty	Seeds/Plant		-	Own use	-

Apple	<i>Malus domestica</i>	<i>Saib</i>	Local	Agri. Land	Abundant	Plenty	Seeds/Plant				
Tree	Orange	<i>Citrus X sinensis</i>	Local	Agri. Land	Abundant	Plenty	Seeds/Plant		N/A		-

12
Community / Knowledge holder
Local
Local
Local
Local
Local
Local

Local
Local

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details
				Past	Present				
Herb	<i>Zea mays</i>	Maize	Temperate areas	Available	Available	Seed	-	Whole plant	Fodder / Food
Herb	<i>Triticum aestivum</i>	Wheat	Temperate areas	Available	Available	Seed	-	Whole plant	Fodder / Food
Herb	<i>Quercus incana</i>	Banj	Temperate areas	Available	Available	Seed	-	Whole plant	Fodder / Food
Herb	<i>Cynodon Spp</i>	Khabbal	Temperate areas	Available	Available	Seed	-	Whole plant	Fodder / Food
Tree	<i>Grewia optiva</i>	Dhaman	Temperate areas	Available	Available	Seed	-	Whole plant	Fodder / Food

10
Community / Knowledge holder
Local
Local
Local
Local
Local

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

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
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	

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

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

Format 8: Landscape													
1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub - Landscapes	Features 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											
4000 Kanal		47000 Kanal			Pvt., Govt. Forest	Wheat, Maize	Frog, Snakes						

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
Pond	Sariyan Davar		Revenue	Barain	Frog/Toads	Drinking		By local	Animal & Human drinking	-	-	Local
Pond	Nadu dera		Revenue	Barain	Frog/Toads	Drinking		By local	Animal & Human drinking	-	-	Local
Pond	Khaidi dera		Revenue	Barain	Frog/Toads	Drinking		By local	Animal & Human drinking	-	-	Local

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
Clay/Loam	Black/Brown	High water Retaining	Addition of organic matter	Maize & wheat	Maize & wheat earthworm	Addition of F4m	-
Clay	Red porous	High water Retaining	Addition of organic matter	Maize	Maize & wheat earthworm	Addition of F4m	-

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						
Peach	Aru	<i>Prunus persica</i>	Wild	Agri/ Wild	Normal	Available	Plant Seed	Mar-June	Fruit	-	Own use	Local
Pear	Bagu Gosha	<i>Pyrus Communis</i>	Local	Agri/ Wild	Normal	Available	Plant Seed	Aug-Nov	Fruit	-	Own use	Local
Pear	Bagu Gosha	<i>Pyrus Pyrifolia</i>	Wild	Agri/ Wild	Normal	Available	Plant Seed	July-Sept	Fruit	-	Own use	Local
Plum	Aalu bukhara	<i>Prunus domestica</i>	Local	Agri/ Wild	Normal	Available	Plant Seed	Oct-Nov	Fruit	-	Own use	Local
Apricot	Khobani	<i>Prunus armenica</i>	Local	Agri/ Wild	Normal	Available	Plant Seed	May-Aug	Fruit	-	Own use	Local

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	Community/ Know.Holders
						Past	Present					
Herbs	Brahmi Bhutti	<i>Centella asiatica</i>		Temperate	Plant root	Abundant	Abundant	Medicinal Purpose	Leaves	Nil	Own use	Local
Shrubs	Anardana	<i>Punica granatum</i>		Temperate	Seed	Rare	Rare	Edible	Fruit	Nil	Own use	Local
Shrubs	Bana	<i>Vitex negundo</i>		Sub-Tropical	Seed	Normal	Normal	Tooth brush	Leaves/Fruits	Nil	Own use	Local
Fungi	Guchi	<i>Morchella esculenta</i>		Temperate	Plant	Normal	Normal	Edible	Whole Part	Nil	Own use	Local
Fungi	Shafria	<i>Agaricus spp</i>		Temperate	Plant	Normal	Normal	Edible	Whole Part	Nil	Own use	Local
	Cambel	<i>Lansea coromandelica</i>		Temperate / Sub-tropical	Plant	Normal	Normal	Edible	Whole Part	Nil	Own use	Local
	Aloe vera	<i>Aloe barbadensis</i>		Temperate / Sub-tropical	Plant	Normal	Normal	Edible	Whole Part	Nil	Own use	Local

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
Shrubs	Rose	Hibiscus Rosasinensis	-	Plant/Seeds	Non-Commercial	Ornamental	Used in fever	Flower	Local
Shrubs	Mor Pankh	Thuja orientalis	-	Seeds	Non-Commercial	Ornamental	Used in fever	Flower	Local
Tree	Chew	Rhododendron	-	Seeds	Non-Commercial	Ornamental	Used in fever	Flower	Local

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					
Mammals	Gou	<i>Bos taurus</i>	Local/Hybrid	High milk yielding	Domesticated	Available	Available	Milk	High nutritious	Nil	Nil	Local
Mammals	Manj	<i>Bubalus bubalis</i>	Local	Fat	Domesticated	Available	Available	Milk	High nutritious	Nil	Nil	Local
Mammals	Phed	<i>Ovis aries</i>	Local/Hybrid	Small/Large	Domesticated	Available	Available	Wool	High nutritious	Nil	Nil	Local
Mammals	Bakri	<i>Capra hircus</i>	Beetal	Meet and milk	Domesticated	Available	Available	Meat	High nutritious	Nil	Nil	Local
Mammals	Ghora	<i>Equus caballus</i>	Local	Carriage	Domesticated	Available	Available	Carriage	High nutritious	Nil	Nil	Local
Mammals	Ox	<i>bos taurus</i>	Local/Hybrid	Plouging	Domesticated	Available	Available	Ploughing	High nutritious	Nil	Nil	Local
Mammals	Dog	<i>Canis Lupus</i>	Local/Hybrid	Pet	Domesticated	Available	Available	Guard	High nutritious	Nil	Nil	Local
Mammals	Cat	<i>Felis Catus</i>	Local	Pet	Domesticated	Available	Available		High nutritious	Nil	Nil	Local

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					
Nil												

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	Chir	<i>Pinus roxburghii</i>		Temperate areas	Available	Available	Seed	Timber/ Firewood	Resin	-	Locals
Trees	Banj	<i>Quercus Incana</i>	Trees	Temperate areas	Available	Available		Leaves/Stem	N.A	N.A	Locals
Shrub	Rose	Hibiscus Rosasinensis	Tree	Temperate areas	Available	Available	Commercial/ own use	Flower	Food processing	-	Locals
Trees	Cambel	<i>Lannea coromandelica</i>	Trees	Temperate areas	Available	Available	own	Leaves/Stem	nil	nil	Locals
Trees	Safeda	<i>Eucalyptus spp.</i>	Trees	Temperate areas	Available	Available	commercial	Stem	nil	nil	Locals
Trees	Kainth	<i>Pyrus paschia</i>	Trees	Temperate areas	Available	Available	own	Leaves	nil	nil	Locals
Tree	Champ	<i>Alnus nitida</i>	Land	Temperate areas	Available	Available	Own use	Wood	Fuel wood	Found on riverside	Locals
Grass	Bareyan	Acorus calamus	Tree	Temperate areas	Available	Available	Commercial/ own use	Timber/ Firewood	-	-	Locals

Format 19: Wild Plant Species of Importance

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (as Economic, Social, Cultural etc.)	Status
1	Guchi	Morchella esculanta	Wild	Economic, Edible	Fungi collection - April- May
2	BrahmiBhutti	Centella asiatica	Wild	Medicinal	Herb available
3	Mushroom	<i>Agaricus bisporus</i>	Wild	Edible	Fungi
4	Kainth	<i>Pyrus paschia</i>	Wild	Economic	Available

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				
Bareyan	<i>Acorus calamus</i>	-	-	Moist land	Available	Available	Edible	N.A.	N.A.	Local
Algae	<i>Chlorophyta</i>			water	Available	Available	Edible	N.A.	N.A.	Local
Byrophytes	<i>Bryophytes sps</i>			moist	Available	Available	Edible	N.A.	N.A.	Local
Trout	<i>Schizothorax</i>			water	Available	Available	Edible	N.A.	N.A.	Local
Snail	<i>Gastropoda</i>			moist	Available	Available	Edible	N.A.	N.A.	Local
Leech	<i>Hirudinea</i>			water	Available	Available	Edible	N.A.	N.A.	Local
Crab	<i>Brachyura</i>			water	Available	Available				Local
Frog	<i>Anura</i>			water	Available	Available				Local

Other details may include mode of catching fish, time of availability, breeding time, etc

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					
Shrub	Bhang	<i>Canabis sativia</i>	Wild	Temperate	Available	Available	own	Cough	Leaves	nil	Local
Herb	Brahmi Bhutti	<i>Centella asiatica</i>	Wild	Temperate	Available	Available	Commercial	Posses medicinal properties	Leaves	Nil	Local

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 24: Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	<i>Scientific Name</i>	Variety	Habitat	Commercial / Non-commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder
Hibiscus	Hibiscus Rosasinensis	Shrub	Northern/ Sub-Tropical	-	-	-	-
Thuja	<i>Thuja orientalis</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-

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					
Herbs	Bhang	<i>Cannabis sativa</i>	Wild	Temperate	Available	Available	Own use	Leaves			Local
Tree	Chew		Wild	Temperate	Available	Available	Own use	Leaves			Generally, held by community
Tree	Khair	<i>Acacia catechu</i>	Wild	Temperate	Available	Available	Own use	Leaves			Generally, held by community
Tree	Kiker	<i>Acacia nilotica</i>	Wild	Sub-Tropical	Available	Available	Own use	Leaves			Generally, held by community
Tree	Toot	<i>Morus alba</i>	Wild	Sub-Tropical	Available	Available	Own use	Leaves			Generally, held by community

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	Leopard	<i>Panthera pardus</i>	Temperate	-	All seasons	Available	Available	-	-	Banned	-	Local
Bird	Cova	<i>Corvus splendens</i>	Temperate	-	All seasons	Available	Available	-	-	Banned	-	Local
Bird	Parrot	<i>Psittaciformes</i>	Temperate	-	All seasons	Available	Available	-	-	Banned	-	Local
Wild Animal	Monkey	<i>Macaca mulatta</i>	Temperate		All seasons	Available	Available			Banned	-	Local
Mammals	Cat	<i>Felis Catus</i>	Temperate		All seasons	Available	Available			Banned	-	Local
Mammals	Indian Fox	<i>Vulpes bengalensis</i>	Temperate		All seasons	Available	Available			Banned	-	Local
Wild Animal	Jackal	<i>Canis aureus</i>	Temperate	-	All seasons	Available	Available	-	-	Banned	-	Local

Format 31: Any other information of local importance

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