

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

**Name of the Panchayat Samiti:** Bhalwal Brahmana

**Taluk/Tehsil:** Bhalwal Brahmana

**District:** Jammu

**State/UT:** Jammu And Kashmir

**Geographical Area of the panchayat Samiti:** 499.48 Hect

**Population Of the Panchayat samiti :** 2700

**Male=** 1400                      **Female =** 1300

**Habitat and Topography:** Plain, Kandi Area

**Climate (Rainfall, Temperature and other weather patterns):** Moderate

**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(JFM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

## Annexure 1

<b>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)</b>	
1) Name of the Chairperson:	Dimple Sharma
Age:	42
Gender:	Male
Address:	R/o. Bhalwal Brahmana, Tehsil Jourian, Jammu-1811201
Area of specialization:	
2) Name:	Sonia Sharma
Age:	32
Gender:	Female
Address:	R/o. Bhalwal Brahmana, Tehsil Jourian, Jammu-1811201
Area of specialization:	
3) Name:	Kamla Devi
Age:	42
Gender:	Female
Address:	R/o. Bhalwal Brahmana, Tehsil Jourian, Jammu-1811201
Area of specialization:	
4) Name:	Parkash Chand
Age:	65
Gender:	Male
Address:	R/o. Bhalwal Brahmana, Tehsil Jourian, Jammu-1811201
Area of specialization:	
5) Name:	Asha Nand
Age:	69
Gender:	Male
Address:	R/o. Bhalwal Brahmana, Tehsil Jourian, Jammu-1811201
Area of specialization:	
6) Name:	Kasturi Lal
Age:	60
Gender:	Male
Address:	R/o. Bhalwal Brahmana, Tehsil Jourian, Jammu-1811201
Area of specialization:	
7) Name:	Tarsem Lal
Age:	51
Gender:	Male
Address:	R/o. Dhoun Chak, Tehsil Jourian, Jammu-1811207
Area of specialization:	

## Annexure-2

<b>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</b>
1) <b>Name of the Chairperson :</b> Kasturi Lal
<b>Age:</b> 60
<b>Gender:</b> Male
<b>Address:</b> Balwal Brahmana
<b>Area of specialization:</b> Stone
<b>Location from which the person accesses biological material:</b>
<b>Perception of the practitioner on the resource status:</b>
<b>Medicinal Use:</b>
2) <b>Name:</b>
<b>Age:</b>
<b>Gender:</b>
<b>Address:</b>
<b>Area of specialization:</b>
<b>Location from which the person accesses biological material:</b>
<b>Perception of the practitioner on the resource status:</b>
<b>Medicinal Use:</b>
3) <b>Name:</b>
<b>Age:</b>
<b>Gender:</b>
<b>Address:</b>
<b>Area of specialization:</b>
<b>Location from which the person accesses biological material:</b>
<b>Perception of the practitioner on the resource status:</b>
<b>Medicinal Use:</b>

### 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 : Brahma Raj

Age: 60

Gender: Male

Address: Balwal Brahmana

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

<b>Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR</b>
1) Contact Person:
Name and Address:
2) Contact Person:
Name and Address:
3) Contact Person:
Name and Address:
4) Contact Person:
Name and Address:
<b>You may add names of more institutions/NGO/Individuals etc, if necessary</b>

**Annexure 5**

<b>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</b>					
<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>

*End of Part I*



Chana	<i>Cicer arietinum</i>													
Masar	<i>Lens esculenta</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 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
			Ludi						
			Tridi						
			Sundi						
			Mealey bigs						
			Tella						
			Stem						
			Borer						
			Pakhar						
			Mango						

**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			

**Format 7: Peoplescape**

1	2	3	4	5	6	7	8	9	10	11
<b>Community &amp; Population</b>	<b>Families &amp; Major occupation</b>	<b>Sub- occupation</b>	<b>Depending Landscape</b>	<b>Major resources accessed and seasons of access</b>	<b>Landscape management practices</b>	<b>Resource management practices</b>	<b>Cast / tribe</b>	<b>Social condition</b>	<b>Nature of inhabitants</b>	<b>No. of HHs</b>
SC, OBC, OC, Population: 2455	Agriculture	Animal Husbandry	Agri landscape	Water	Satisfying different needs water	Satisfied	Mix	Average	Average	399

**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											
Plains & Kandi areas			Plains	hilly as well as	Forest land, Private, state lands,	Broad leaved mainly	Domestic animals, wildlife such as porcupine, jackal etc.	Public, as well as pvt, and Govt also		Plantation and agriculture			
			Hillocks	plain terrain with gentle slope	Forest land, Private, state lands,	Broad leaved	Domestic animals, wildlife such as porcupine, jackal etc.	Public, as well as pvt, and Govt also		Plantation and agriculture			
Shivalik areas			Hills	Hills with gentle slopes	Forest land, Private, state lands,	Broad leaved	Domestic animals, wildlife such as porcupine, jackal etc.	Public, as well as pvt, and Govt also		Plantation and agriculture			

### 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			Forest land and Private land	kamal, Baryan,	Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, etc	public					
Tube well			Forest land and Private land		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Dug wells			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Canals			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Hand pumps			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing 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 soi	Fine & coarse grain	rich in N,ca, fe,si					
Hill and mountaun soil	Fine & coarse grain	ca,fe,n,si, etc					
Red podozolic soil	brown,red	fe,ca,fe,n,si					
Unconsolidated boulder soil	Coarse grain, rocky	fe, si					

Format 11: Fruit Trees					DOMESTICATED BIODIVERSITY							
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						
Mango	Aam	<i>Mangifera indica</i>	Desi, Dusheri, Malta	Plains	Plenty	Plenty	Nurseries	Jun-Aug	Fruit, Pickle, Preserves		Marketing, Own Use	
Citrus Fruit	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	<i>Citrus spp.</i>	Local Selection, Kagzi Lime etc.	Plains, mid hills	Plenty	Plenty	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc		Marketing, Own Use	
Guava	Amrood	<i>Psidium guajava</i>	Local, L49 etc.	Plains, Lower Hills	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing, Own Use	
Aonla	Ambla	<i>Phyllanthus emblica</i>	Local Selection, NA-7	Plains	Plenty	Plenty	Nurseries, Local Collections	Nov.- Dec	Pickling Preserve etc		Marketing, Own Use	
Ber	Ber	<i>Ziziphus mauritiana lamk</i>	Gola, Varanasi	Plains	Plenty	Plenty	Local	Jul - Aug	Fruit		Own Use	
Jamun	Jamun	<i>Syzygium cumini</i>	Local Selection	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use	
Pomegranate	Anaar, Druni	<i>Punica granatum</i>	Ganesh, Kandhari, Local	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana		Own Use	
Peach	Aaroo	<i>Prunus persica</i>	July Elberta, Quetta	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul	Fruit		Marketing, Own Use	

Karonda	Garnay	<i>Carissa carandas</i>	Local	Hills/ Plains	Rare	Rare	Wild, Local	Jun - Aug	Fruit		Marketing, Own Use	
Papaya	Papita	<i>Carica papaya</i>	Local	Plains	Rare	Plenty	Nurseries, Locally Raised	Aug - Oct	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	Dudlu	<i>Taraxacum officinale</i>		Temperate area	Root	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community
Herbs	Tarad	<i>Dioscorea belophylla</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Herbs	Jungli putna	<i>Mentha arvensis</i>		Lower shiwalik/Temperate area	Root	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Trimuru	<i>Zanthoxylum aurmatum</i>		Lower shiwalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Shrubs	brankad	<i>Adhatoda vesica</i>		Lower shiwalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community
Shrubs	Drainkdu	<i>Murraya koenigii</i>		Sub-Tropical area	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Shrubs	Dussa	<i>Colebrookia oppositifolia</i>		Lower shiwalik	Seed	Rare	Rare	nil	Flower	N.A	N.A	Generally, held by community
Shrubs	Thor/Shuu	<i>Euphorbia royleana</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bareyan	<i>Acorus calamus</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bhang	<i>Canabis sativia</i>		Lower shiwalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community
Tree	Amla	<i>Phyllanthus emblica</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community

Tree	Bair	<i>Ziziphus xylocarpa</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Bheda	<i>Terminalia bellerica</i>		Lower shivalik	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Bill-Patre	<i>Aegle mermelos</i>		Sub-Tropical area	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Tree	Drankh	<i>Melia azedirach</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Harad	<i>Terminalia chebula</i>		Lower shivalik	Seed	Abundant	Abundant	Good for digestion	Stem/ Fruit	N.A	N.A	Generally, held by community
Tree	Jaman	<i>Syzygium cumini</i>		Lower shivalik	Seed	Abundant	Abundant	maintains sugar level in human body	Leaves/ Fruit	N.A	N.A	Generally, held by community
Tree	Kakad-Singhi	<i>Pistacia khinjuk</i>		Lower shivalik	Seed	Rare	Rare	nil	Leaves/ Fruit	N.A	N.A	Generally, held by community
Tree	Karal	<i>Bauhinia variegata</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves/Flower	N.A	N.A	Generally, held by community
Tree	Khair	<i>Acacia catechu</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Kringal	<i>Casia fistula</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Lusada	<i>Cordia dichotoma</i>		Lower shivalik	Seed	Rare	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Mango	<i>Mangifera indica</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Retha	<i>Sapindus mukorossii</i>		Lower shivalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Rumbal	<i>Ficus racemosa</i>		Lower shivalik	Seed	Rare	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Sree	<i>Albizia lebbek</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves/Stem	N.A	N.A	Generally, held by community

Tree	Talli	<i>Dalbergia sissoo</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Trimbal	<i>Ficus auriculata</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Tuni	<i>Toona ciliata</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Arjun	<i>Terminalia arjuna</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Neem	<i>Azadirachta indica</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	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	kringal	<i>Casia fistula</i>		Flower Fruit	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Gandera	<i>Nerium oleander</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Thub	<i>Erythrina indica</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Badah	<i>Salix alba</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Kareer	<i>Rosa acicularis</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community

**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	Kiker	<i>Acacia nilotica</i>	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Mango	<i>Mangifera indica</i>	Lower shiwalik	Abundant	Abundant	Wild/ home-garden	own	nil	nil	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Lower shiwalik	Rare	Abundant	Wild	commercial	nil	nil	Generally, held by community
Trees	Sree	<i>Albizia lebbeck</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Tuni	<i>Toona ciliata</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Jamun	<i>Syzygium cumini</i>	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community







**Format 17: Markets / Fairs for Domesticated Animals, Medicinal Plants and other products**

1	2	3	4	5	6	7	8	9
Name of the Weekly Market / Fair	Location	Weekly / Fortnightly & Others Bi-annual / Annual	Day held	Month incase of bi-annual or annual market fair	Types of animal bought and sold	Number of animals (average) transacted in a day	Places from where the animals are arrived	Places to where the animals are transported

**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	Shisham	<i>Dalbergia sisoo</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	-
Tree	Khair	<i>Acacia catechu</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Katha	-	-
Tree	Amla	<i>Emblica officinalis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Fruit	Food processing	-	-
Tree	Siris	<i>Albizia lebbek</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial own use	Timber/ Firewood	-	-	-
Tree	Leucaenia	<i>Leucaena leucocephala</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Simbal	<i>Bombax cebia</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Kamila	<i>Mallotus philippensis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial /own use	Timber/ Firewood	-	-	-
Tree	Krangal	<i>Cassia fistula</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial /own use	Fruit	-	-	-
Tree	Plash	<i>Butea monosperma</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-

Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Shrub	Santha	<i>Dodonaea viscosa</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Amb	<i>Mangifera indica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	-
Tree	Kiker	<i>Acacia nilotica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Sagwan	<i>Tectona grandis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Safeda	<i>Eucalyptus spp.</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Bel	<i>Aegle marmelos</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Leaves/ Fruit	-	-	-
Tree	kakoa	<i>Flacourtia indica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	-
Grass	Bamboo	<i>Dendrocalamus Strictus</i>	Grass	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Sticks	-	-	-
Herbs	Bhang	<i>Cannabis sativa</i>	herbs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Leaves	-	-	-
Herbs	Jojra	<i>Pupalia lappacea</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	_	-	-	-
Shrub	Garna	<i>Carissa spinarum</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	-
Shrub	Panjphuli	<i>Lantana camara</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	_	-	-	-

Shrub	Gandila	<i>Nerium indicum</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Flower	-	-	-
Shrub	Pansar	<i>Wemlandia heynei</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	_	-	-	-
Herbs	congress Grass	<i>Parthenium hysterophrous</i>	herbs	Northern/Sub-Tropical	Good	Moderate	_	_	-	-	-
Tree	Badh	<i>Ficus benghalensis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	_		-	-	-
Tree	Phulai	<i>Acacia modesta</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Climber	Tarad	<i>Dioscorea belophylla</i>	Climber	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Roots			
Climber	Jungli bitter melon	<i>Momordica charantia</i>	Climber	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit			
Climber	Purple yam	<i>Dioscorea allata</i>	Climber	Northern/Sub-Tropical	Good	Moderate	_				
Climber	Striped cucumber	<i>Diplocyclos palmatus</i>	Climber	Northern/Sub-Tropical	Good	Moderate	_				

**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 grantum</i>	Shrub	Live Hedge fencing	Good
4	Brenker	<i>Adhatoda vasica</i>	Shrub	-	Good
5	Bhang	<i>Cannabis sativa</i>	Shrub	Medicinal	Good
6	Aakh	<i>Ipomea carnea</i>	Shrub	Soil binder	Good
7	pansar	<i>Wendlandia heynei</i>	Shrub	Firewood	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				
Snail	<i>Gastropoda spp.</i>		Land snails have a strong muscular foot, they use mucus to enable them to crawl over rough surfaces and to keep their soft bodies from drying out.		Good	Good				
Carp	<i>Cyprinus carpio</i>		Dorsal fin base long with 17-22 branched rays and a strong toothed spine in front, pharyngeal teeth 5:5 teeth with flattened crowns.		Good	Good				
Brown trout	<i>Salmo trutta</i>		An average length of 40-80 cm with a maximum length of 140 cm the spawning behaviour of brown trout is similar to that of the closely related Atlantic salmon.		Good	Good				
Turtle	<i>Testudines spp.</i>		Turtles spend most of their lives in water, they are adapted for aquatic life, freshwater turtles live in ponds and lakes, and they climb out of the water onto logs or rocks to bask in the warm sun		Good	Good				
Sago pondweed	<i>Potamogeton pectinatus</i>		is a perennial at a fast rate, it is in flower from May to September. The species is hermaphrodite (has both male and female organs) and is pollinated by water. It is noted for attracting wildlife.		Good	Good				
Lotus	<i>Nelumbo nucifera</i>		edible, with rhizome, seeds, and leaves have been used as folk medicine, Ayurveda and oriental medicine		Good	Good				
Water Spinach	<i>Ipomoea aquaticum</i>		it contains abundant quantities of water, iron, Vitamin C, Vitamin A and other nutrients		Good	Good				
Watercress	<i>Rorippa nasturtium - aquaticum</i>		It contains a plethora of antioxidants, which may lower your risk of heart disease and several types of cancer it's also a good source of minerals that protect your bones		Good	Good				



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

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Lotus	<i>Nelumbo nucifera</i>		edible, with rhizome ,seeds, and leaves have been used as folk medicine, ayurveda and oriental medicine	
2	Water Spinach	<i>Ipomoea aquaticum</i>		it contains abundant quantities of water, iron, vitaminC, Vitamin A and other nutrients	
3	Watercress	<i>Rorippa nasturtium - aquaticum</i>		It contains a plethora of antioxidants, which may lower your risk of heart disease and several types of cancer it's also a good source of minerals that protect your bones	

**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	Good	Medicinal	Bark	-	-	
Tree	Amla	<i>Emblica officinalis</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-	
Tree	Harad	<i>Terminalia chebula</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-	
Tree	Behra	<i>Terminalia bellirica</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-	
Tree	Sukchain	<i>Pongamia pinnata</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark	-	-	
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Fruit /seeds	-	-	

**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					
NIL										

**Format 24: Ornamental Plants**

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder
Gandila	<i>Nerium indicum</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-
Panjtara	<i>Tara spinosa</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-
Bougainvillea	<i>Bougainvillea glabra</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-
Gulmohar	<i>Delonix regia</i>	Tree	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					
Herb	Pudina	<i>Mentha spp.</i>		Homestead, agricultural land	Abudant	Abudant	Spice	leaves			
Tree	curry tree	<i>Murraya koenigli</i>		moist forest and agricultral land	Abudant	Abudant	Spice	leaves			
Herb	wild Tulsi	<i>Ocimum sanctum</i>		Moist soil	Abudant	Abudant	Medicinal	leaves			

**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 sisoo</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Ber	<i>Ziziphus jujuba</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Sagwan	<i>Tectona grandis</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Safeda	<i>Eucalyptus spp.</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Simbal	<i>Bombax ceiba</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tunu	<i>Toona ciliata</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Jamun	<i>Syzygium cumini</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-

**Format 27 A: Coastal and Marine Flora**

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status	Part collected	Commercial uses (if any)	Other Uses	Associated TK	Community Knowledge Holder
				Past	Present				
NIL									

**Format 27 B: Coastal and Marine Fauna**

1	2	3	4	5		6	7	8	9	10
Animal Type	Local Name	Scientific Name	Habitat	Local status		Part collected (if any)	Commercial uses (if any)	Other Uses	Associated TK	Community Knowledge Holder
				Past	Present					

NIL



**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	Squirrels	<i>Sciuridae spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Boar	<i>Sus scofra</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Indian Hare	<i>lepus nigricollis</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Monkey	<i>Cercopithecidae</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild Bird	Red jungle fowl	<i>Gallus gallus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild bird	Rose ringed parakeet	<i>Psittaculidae</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Fox	<i>Vulpes spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Porcupine	<i>Erethizon dorsatum</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
wild insects	Grasshopper	<i>Omocestus viridulus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
wild insects	butterfly	<i>Chorthippus brunneus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
wild insects	bees	<i>Apis mellifera</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
wild insects	ants	<i>Brachymyrmex patagonicus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	

wild insects	Bumble bee	<i>Bombus spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Amphibia	Frog	<i>Euphlyctis cyanophlyctis</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Reptiles	Tortoises	<i>Testudines spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Reptiles	Snake	<i>Natrix spp.</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	<i>kikar</i>	<i>Acacia nilotica</i>	Broad leave	Sub tropical	summer	Common	Common
2	<i>Mangoo</i>	<i>Mangifera indica</i>	Broad leave	Sub tropical	summer	Common	Common
3	<i>Safeda</i>	<i>Eucalyptus spp.</i>	Broad leave	Sub tropical	summer	Common	Common
4	<i>Sree</i>	<i>Albizia lebbek</i>	Broad leave	Sub tropical	summer	Common	Common
5	<i>Talli</i>	<i>Dalbergia sissoo</i>	Broad leave	Sub tropical	summer	Common	Common
7	<i>Popular</i>	<i>Populus ciliata</i>	Broad leave	Sub tropical	summer	Common	
9	<i>Jammun</i>	<i>Syzygium cumini</i>	Broad leave	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>Bubalus 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	Parrot	<i>Psittaciformes spp.</i>	Birds	Terrestrial	Common
8	Peacock	<i>Pavo cristatus</i>	Birds	Terrestrial	Rare
9	Ant	<i>Tapioa sessile</i>	insects	Terrestrial	Common
10	Bee	<i>Apis crana indica</i>	insects	Terrestrial	Common
11	Butterfly	<i>Rhopalocera spp.</i>	insects	Terrestrial	Common
12	Mosquto	<i>Culicidae spp.</i>	insects	Terrestrial	Common
13	Caterpillar	<i>Lepidoptera spp.</i>	insects	Terrestrial	Common
14	Fish		Aquatic Animals	Aquatic	Common
15	Frog	<i>Anura spp.</i>	Aquatic Animals	Aquatic	Common
16	Torotise	<i>Testudinidae spp.</i>	Aquatic Animals	Aquatic	Common

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

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