

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti Mawa

Taluk: Rajpura

District: Samba

State: Jammu and Kashmir

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total 3200

Male 1800 Female 1400

Habitat and Topography:

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: 21/10/2020

Management Regime: Reserve Forest (RF)/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

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

Chairperson: Anita Devi Sarpanch

wa Camp

96

tion:

Devi w/o Tara Singh

tion:

Singh s/o Lal Chand

tion:

Devii w/o Jagdish Raj

camp

tion:

Singh s/o Puran Chand

camp

tion:

Devi s/o Mohan Lal

tion:

Chand s/o Gian Chand

wa

tion:

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 part 1

Til	<i>Sesamum indicum</i>													
Tomato	<i>Solanum lycopersicum</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 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 prevalent, 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	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						
Woody	<i>Mangifera indica</i>	Amb	Wild, Dashehari, Malda, Amrapali, Mallika, Langra,	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to	Record available in old books.	Sucking, table, processing	Own uses	Popular in local population.
Tree			Swarn Rekha, Chausa, Fazli, Totapuri, Ramkila, Baramasim etc.					August				
Woody	<i>litchi chinensis</i>	Lychee	Dehradun, Calcutti,	Sub-tropical	Good	Good	Layered plants.	March to	Introduced by traders and domesticated locally.	Table and processing	Own uses and sold in market	Popular in local population.
Tree			Seedless, Rose					July				
			Scented									
Woody	<i>Pidium guajava</i>	Amrood	Wild, Allahbad,	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to	Introduced by traders and domesticated locally.	Table and processing.	Own uses and sold in market	Popular in local population.
Tree			Sardar, Lalit, Arka					August,				
			Amulaya, Sheveta,					Dec. To January				
			Punjab Pink									

Climber	<i>Vitis vinifera</i>	Angoor	Wild, Perllet,	Sub-tropical	Good	Good	Cuttings	Feb. To	Introduced by traders and domesticated locally.	Table and processing.	Own uses and sold in market	Popular in local population.
			Beauty Seedless					June				
Woody	<i>Emblica</i>	Amla	wild, Banarsi,	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to Nov.	Record vailable in old books.	Processing	Own uses and sold in market	Popular in local population.
Tree	<i>officinalis</i>		Neelam, NA 7.									
Woody	<i>Citrus sinensis</i>	Mosammi	Mosambi, Jaffa,	Sub-tropical	Good	Good	Grafted	March to Jan.	Record vailable in old books.	Table and processing.	Own uses and sold in market	Popular in local population.
Tree			Red Blood				Plants					
Woody	<i>Citrus aurantifoli a</i>	Nimboo	Wild, Kagzi, Italian,	Sub-tropical	Good	Good	Grafted	March to Oct.	Record vailable in old books.	Processing.	Own uses and sold in market	Popular in local population.
Tree			Eureka				Plants					
Woody	<i>Ctrus limon</i>	Galgal	Wild	Sub-tropical	Good	Good	Seedling andn Grafted	March to Sept.	Record vailable in old books.	Processing.	Own uses and sold in market	Popular in local population.
Tree							Plants					
Woody	<i>Ctrus medica</i>	Kimb	Wild	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Record vailable in old books.	Processing.	Own uses and sold in market	Popular in local population.
Tree												
Woody	<i>Zizyphus mauritiana</i>	Ber	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted	March to Nov.	Record vailable in old books.	Table purposes	Own uses and sold in market	Popular in local population.
Tree							Plants					
Woody	<i>Zizyphus jujuba</i>	Phowari Ber	Wild	Sub-tropical	Good	Good	Seedlings	March to Nov.	Record vailable in old books.	Table purposes	Own uses and sold in market	Popular in local population.
Tree												

Format 3: Fodder Crops / 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					
Fooder Barreem Oats	<i>Trifolium alexandrinum</i>	Chhatalla	All type	Fooder	Fooder	Agriculture Deptt. Ghagwal	--	All	--	--
SSG	<i>Penicum maxicum jacq</i>	Charrl	All type	Fooder	Fooder	Agriculture Deptt. Ghagwal	--	All	--	--
	<i>Sorghum bicolor</i>	Sorgham								
	<i>Panicum miliaceum</i>	Millet								
		Chairi								
		Jari								

Other details include fodder for which animal, special features, medicines, uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc

	<i>Mentha arvensis</i>	Jungli Putina										
		suakh										
		Maina										

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.

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
Weeds	Grass Hopper	<i>Callifera</i>	Trida	Eat veg. area of Plant	Vegetative growth	Chemicals application	--	--	--
NA	Falls Armywrom	<i>Liucinodes orbanlis</i>	Ludi	Nighteural Habbit	Knee high stage	Chemicals application	--	--	--
Soil	Termite	<i>Isoptera</i>	Sink	eating roof & whole plant	attack in germination and maturity stage	Chemicals application	--	--	--
Grass	Red Pumpkin beetel	<i>Aulaphora fovecollis</i>	Bhundi	Veg. Portion	at veg. stage	Chemicals application	--	--	--
Forest waste land	wild animal (Cow) Neel gay	<i>Boselaphus tragocamecus</i>	Gundh	All crops	all stages	Beauty of drums (Mechanical control)	--	--	--
Foresh W. Land	Wild Bear	<i>Sus serofa</i>	Jangli Suar	Cob and fruits	Fruting stage	Beauty of drums (Mechanical control)	--	--	--
Weeds	Aphids Jassides	<i>Aphis gossypi</i>	Tela	Suking on veg. portion	Vegetative Stage	Chemicals application	--	--	--
Vegetative & Fruits	Snail	--	Chakki	Veg. & Fruits	Through out season	Chemicals application	--	--	--
		Diptera	Makhi						

		<i>Rhopalocera</i>	Butterfly						
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Other details may include possible reasons for the 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	
No specified market. Livestock is purchased directly from farmer's home	Monthly	Local/Crossbred Sheep	Sheep/Goat	Local	Main Market, Samba	Does not pertain to this department			
		Local/Crossbred Goat	Approx. 20 per month						
-do-	Monthly	Local/Crossbred Sheep	Sheep/Goat	Local	Hiranagar, Kathua				
		Local/Crossbred Goat	Approx. 30 per month						
-do-	Monthly	Local/Crossbred Sheep	Sheep/Goat	Local	Chadwal, Kathua				
		Local/Crossbred Goat	Approx. 30 per month						

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
General- 60%	Service/farming					Rajput, Brahmin				
SC-35%	Service/farming					Bhagat				
ST-5%	Service/farming					Gujjar				

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 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											
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 and conifers	Domestic animals, wildlife such as porcupine, jackal etc.	Public, as well as pvt, and Govt also		Plantation and agriculture			

Provide a brief description of landscapes such as forests, 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
Ponds	2		Forest land and Private land	kamal, Baryan,	Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Streams			Forest land and Private land		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Tube well	3		Forest land and Private land		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Dug wells	8		Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Canals	1		Private		Snakes		public					
Hand pumps	6		Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Bowlis			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					

Examples : Ponds , streams, Rivers , Lake, Canal, Tubewell, Dugwell , 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
Alluvial sandy soil	Fine & coarse grain	rich in N,ca, fe,si					
Hill and mountain soil	Fine & coarse grain	ca,fe,n,si, etc					
Red podzolic soil	brown,red	fe,ca,fe,n,si					
Unconsolidated boulder soil	Coarse grain, rocky	fe, si					

DOMESTICATED BIODIVERSITY

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								
Woody Tree	Amb	<i>Mangifera indica</i>	Local, Dashehari,	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to August	Sucking, table, processing	Record	Own uses	Popular in local population.			
								Malda, Amrapali,			available in old books.		and sold in market		
								Mallika, Langra,							
								Swarn Rekha,							
			Chausa, Fazli, Totapuri, Ramkila, Baramasi.												
Woody Tree	Lychee	<i>litchi chinensis</i>	Dehradun, Calcutti,	Sub-tropical	Good	Good	Layered plants.	March to July	Table and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.			
								Seedless, Rose Scented							
Woody Tree	Amrood	<i>Pidium guajava</i>	Local, Allahbad,	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to August,	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.			
								Sardar, Lalit, Arka						Dec. To	
								Amulaya, Sheveta, Punjab Pink						January	
Climber	Angoor	<i>Vitis vinifera</i>	Local, Perlet, Beauty Seedless	Sub-tropical	Good	Good	Cuttings	Feb. To June	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.			
Woody Tree	Amla	<i>Emblica officinalis</i>	Local, Banarsi, Neelam, NA 7.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to Nov.	Processing	Record	Own uses and sold in market	Popular in local population.			
Woody Tree	Mosammi	<i>Citrus sinensis</i>	Mosambi, Jaffa,	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record	Own uses and sold in market	Popular in local population.			
										Red Blood		available in old books.			
Woody Tree	Sangtra	<i>Citrus reticulata</i>	Kinnow, Sangtra	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record	Own uses and sold in market	Popular in local population.			
Woody Tree	Nimboo	<i>Citrus aurantifolia</i>	Local, Kagzi,	Sub-tropical	Good	Good	Grafted Plants	March to Oct.	Processing.	Record	Own uses and sold in market	Popular in local population.			
										Italian, Eureka		available in old books.			
Woody Tree	Galgal	<i>Citrus limon</i>	Local	Sub-tropical	Good	Good	Seedling andn Grafted Plants	March to Sept.	Processing.	Record	Own uses and sold in market	Popular in local population.			
Woody Tree	Kimb	<i>Citrus medica</i>	Local	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Processing.	Record	Own uses and sold in market	Popular in local population.			
											available in old books.				
Woody Tree	Ber	<i>Zizyphus mauritiana</i>	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted Plants	March to Nov.	Table purposes	Record	Own uses and sold in market	Popular in local population.			
Woody Tree	Phowari Ber	<i>Zizyphus jujuba</i>	Local	Sub-tropical	Good	Good	Seedlings	March to Nov.	Table purposes	Record	Own uses and sold in market	Popular in local population.			
										available in old books.					
Bush	Phalsa	<i>Grewia subinaequalis</i>	Local	Sub-tropical	Good	Good	Seedlings and Cuttings	March to July	Processing	Record	Own uses and sold in market	Popular in local population.			
										available in old books.					

Woody Tree	Jamun	<i>Syzygium cumini</i>	Local	Sub-tropical	Good	Good	Seedlings and Grafted	March to July	Processing	Record available in old books.	Own uses and sold in market	Popular in local population.	
Woody Tree	Anar	<i>Punica granatum</i>	Local, Ganesh, Kandhari,	Sub-tropical	Good	Good	Cuttings	March to July	Table purposes and processing	Record available in old books.	Own uses and sold in market	Popular in local population.	
Woody Tree	Lasooda	<i>Cordia myxa</i>	Local	Sub-tropical	Good	Good	Seedlings	March to June	Processing purposes	Record available in old books.	Own uses and sold in market	Popular in local population.	
Woody Tree	Bill	<i>Aegle marmalos</i>	Local	Sub-tropical	Good	Good	Seedlings	March to	Table purposes and processing	Record	Own uses and sold in market	Popular in local population.	
Woody Tree								July		available in old books.			
Woody Tree	Aru	<i>Prunus persica</i>	Local, Sun Red,	Sub-tropical	Good	Good	Grafted	Feb. to	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	Popular in local population.	
Woody Tree			Florida Sun				Plants	June					
Soft Tree	Papita	<i>Carica papaya</i>	Local Red Lady,	Sub-tropical	Good	Good	Seedlings and hybrids	March to Nov.	Table purposes.	Record	Own uses and sold in market	Popular in local population.	
Soft Tree			Pusa Nana							available in old books.			

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>Adha toda 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	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Shrubs	Dussa	<i>Colebrookia oppositifolia</i>		Lower shiwalik	Seed	Abundant	Abundant	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 sativa</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 shiwalik	Seed	Rare	Rare	nil	Stem	N.A	N.A	Generally, held by community
Tree	Bheda	<i>Terminalia bellerica</i>		Lower shiwalik	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Bill-Patre	<i>Angle mermelos</i>		Sub-Tropical area	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Tree	Drankh	<i>Melia azedarach</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Harad	<i>Terminalia chebula</i>		Lower shiwalik	Seed	Abundant	Abundant	Good for digestion	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Jaman	<i>Syzygium cumini</i>		Lower shiwalik	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 shiwalik	Seed	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Karal	<i>Bauhinia variegata</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Flower	N.A	N.A	Generally, held by community
Tree	Kringal	<i>Casia fistula</i>		Lower shiwalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Lusada	<i>Cordia dichotoma</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Mangoo	<i>Mangifera indica</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Retha	<i>Sapindus mukorossii</i>		Lower shiwalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Rumbal	<i>Ficus racemosa</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community

Tree	Sree	<i>Albizzia lebbeck</i>		Lower shiwalik	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	Rare	Rare	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	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Bheda			Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Amla	<i>Amblica officinales</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Neem	<i>Accacia catechu</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Shrubs	Bhang	<i>Cannabis sativum</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community

Note uses: Food/ verternary / medicine/ human Medicine (sub division like for children, women etc)/ agricultural Purpose(bio-pesticide) other details: Propagation methods, /harvesting period,/ cultivated or collected from wild or both ,/ both/ perenial/ 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
Ornamental Tree	Kachnar	<i>Bauhinia variegata</i>		Nurseries/Forest	Non commercial	Ornamental/Landscaping	Used for Dysentery, Diarrhoea	Pink flowers in Summer	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Nerium	<i>Nerium oleander</i>		Nurseries	Non commercial	Ornamental/Landscaping	Epilepsy, cancer	Avenue plantation	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Kaner	<i>Thevetia peruviana</i>		Nurseries	Non commercial	Ornamental/Landscaping	Fevers	Flower most of the year	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Bottle Brush	<i>Callistemmon spp.</i>		Nurseries	Non commercial	Ornamental/Landscaping	Therapeutic uses	Foliage and flowers	Floriculturists/Nurserymen/Gardeners
Bushes/ shrubs	Bogan Bael	<i>B.Sp & hybrids</i>		Nurseries	Non commercial	Ornamental/Landscaping	Antidiabetic, antiinflammatory	Multicoloured flowers	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Golden Duranta	<i>Duranta repens</i>		Nurseries	Non commercial	Ornamental/Landscaping	Beneficial in itching, malaria, asthma etc.	Foliage, Edging	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Hibiscus	<i>Hibiscus rosasinensis</i>		Nurseries	Non commercial	Ornamental/Landscaping	Used in fever, constipation	Flower throughout the year	Floriculturists/Nurserymen/Gardeners
Bushes/ Shrubs	Motia	<i>Jasminum sambac</i>		Nurseries	Non commercial	Ornamental/Landscaping	Used in Hepatitis, dysentery	Flower throughout the year	Floriculturists/Nurserymen/Gardeners

Herbs Seasonals	Guldopahar	<i>Portulaca grandiflora</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Antioxidant, antibacterial	Summer annual flower	Floriculturists/ Nurserymen/Gardeners
Pot Plants	Agave	<i>Agave angustifolia</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Traditional medicines	Succulent	Floriculturists/ Nurserymen/Gardeners
Pot Plants	Thur	<i>Cactus spp</i>		Nurseries	Non commercial	Ornamental/ Landscaping	Folk medicines	Thorny succulents	Floriculturists/ Nurserymen/Gardeners
	Gulab	<i>Rosa</i>							
	sat patra	<i>Alstonia scholaris</i>							
	Mor Pankh	<i>Platycladus orientalis</i>							
	Raat Ki Rani	<i>Cestrum nocturnum</i>							
	Gulmohar	<i>Delonix regia</i>							
	Silverak	<i>Grevillea robusta</i>							

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					
Sheep	Bhed	<i>Ovisaries</i>	Local	Small size rough coat	Flock rearing	Least concern	Least concern	Mutton, wool and manure	Desi Chai, Methre, Ajowain, Ganera	Yes	Bones, Skin, and gut	Locals
Goat	Bakri	<i>Capra Hircus</i>	Local	Small size, low body weight	Flock rearing	Least concern	Least concern	Chevon, hairs and manure	Desi Chai, Methre, Ajowain, Ganera	Yes	Bones, Skin, and gut	Locals
Goat	Bakri	<i>Capra Hircus</i>	Beetal	Large size high body weight	Flock rearing	Least concern	Least concern	Chevon, hairs and manure	Desi Chai, Methre, Ajowain, Ganera	Yes	Bones, Skin, and gut	Locals
	Dog											
	Cat											
	Buffalo											
	Hen											

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					
Indian Major Carps	Catla	<i>Catla catla</i>	IMC	Catla is a fish with large and broad head, a large protruding lower jaw and upturned mouth. It has large, greyish scales on dorsal side and whitish on belly.	Ponds	Plenty	Plenty	Food Fish	#VALUE!	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Indian Major Carps	Rohu	<i>Labeo rohita</i>	IMC	Herbivorous, its dorsal profile more convex than ventral, body with scales, head without scales, column to bottom feeder, mouth small and inferior with fringed lower lip. Cultured mostly in plain areas.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Indian Major Carps	Mrigal	<i>Cirrhinus mrigala</i>	IMC	Omnivorous, bilaterally symmetrical and streamlined, head and snout devoid of scales, mouth inferior, barbels absent, cultured mostly in plain areas.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community
Exotic Carps	Common Carp	<i>Cyprinus carpio</i>	Exotic Carp/ Scale Carp	Omnivorous, body laterally compressed two pair of barbels, dorsal fin long, protruding mouth and lips are extended like a short tube for sucking up food, hardy in nature.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed.	Fish Farming Community

Note: other details include mode of catching fish, time of availability, breeding time, feeds and etc

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
No specified market Livestock is purchased directly from farmer's home		Bi -Annual			Local/Crossbred sheep Local/Crossbred Goat	Sheep Goat Approx 60 Bi - annually	Local	Main market Samba
No specified market Livestock is purchased directly from farmer's home		Bi -Annual			Local/Crossbred sheep Local/Crossbred Goat	Sheep Goat Approx 60 Bi - annually	Local	Hiranagar Kathua
No specified market Livestock is purchased directly from farmer's home		Bi -Annual			Local/Crossbred sheep Local/Crossbred Goat	Sheep Goat Approx 60 Bi - annually	Local	Gangyal Jammu

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					
Amlı	<i>Phyllanthus emblica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicinal use	Self observed	
Ber	<i>Ziziphus jujuba</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits		Medicinal use	Self observed	
Bour	<i>Ficus benghalensis</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown		Self observed	
Chilla	<i>Casearia tomentosa</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaf and Wood	Unknown		Self observed	
Chir	<i>Pinus roxburghii</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Kakoa	<i>Flacourtia indica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits			Self observed	
Daronkal	<i>Murraya koenigii</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves			Self observed	
Dudaya	<i>Wrightia arborea</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves			Self observed	
Garna	<i>Carissa spinarum</i>	Shrubs	Sub - Tropical	Available	Available	Own Use	Fruits			Self observed	
Jamun	<i>Syzygium cumini</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Used for Diabetes		Self observed	
kaam	<i>Mitragyna parvifolia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Kembal	<i>Lannea coromandelica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Kamla	<i>Mallotus philippensis</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Khair	<i>Acacia catechu</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Kodh	<i>Aloe barbadensis</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Krongal	<i>Cassia fistula</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Lucenia	<i>Leucaena spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Plah	<i>Butea monosperma</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Phulai	<i>Acacia modesta</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Pansara	<i>Wendlandia spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood			Self observed	
Reetha	<i>Sapindus mukorossi</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits and Wood			Self observed	
Santa	<i>Dodonaea viscosa</i>	Shrubs	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Sarri	<i>Albizia spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Simbal	<i>Bombax ceiba</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	

Talli	<i>Dalbergia sisso</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Thub / Dudhruk	<i>Erythrina spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Balugar	<i>Bauhinia vahlii</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Chuindi	<i>Xylosma longifolium</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Doss/sanan	<i>Colebrookea oppositifolia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Khini	<i>Ficus semicordata</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Kral	<i>Bauhinia variegata</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves/Flowers			Self observed	
Lana	<i>Ficus hispida</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Dhaman	<i>Grewia optiva</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Charmod	<i>Ehretia spp.</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Badh	<i>Ficus religiosa</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Behra	<i>Terminalia bellirica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood			Self observed	
Bilan	<i>Aegle marmelos</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood			Self observed	
Gandila	<i>Nerium oleander</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Gulmorh	<i>Delonix regia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Oanni	<i>Lyonia ovalifolia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Rumble	<i>Ficus racemosa</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/ Wood			Self observed	
Draink	<i>Melia azedarach</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves/Wood			Self observed	
Harad	<i>Terminalia chebula</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood			Self observed	
Amb	<i>Mangifera indica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood			Self observed	
Soyanjana	<i>Moringa oleifera</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood			Self observed	
Tunnu	<i>Toona ciliata</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Neem	<i>Azadirachta indica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Plakh	<i>Ficus virens</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves/Wood			Self observed	
Rehn	<i>Quercus lucotricophora</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
chamar sama	<i>Holoptelea integrifolia</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
lasura	<i>Cordia myxa</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood			Self observed	
kassod	<i>Senna siamea</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
tantary	<i>Oroxylum indicum</i>	Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
BRANKED	<i>Justicia adhatoda</i>	Shrubs	Sub - Tropical	Available	Available	Own Use	Leaves			Self observed	
KHAR	<i>Saccharum bengalense</i>	Tree	Sub - Tropical	Available	Available	Own Use	Leaves			Self observed	
Imli	<i>Tamarandis indica</i>	Tree	Sub - Tropical	Available	Available	Own Use	Fruits			Self observed	
Cribul		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Kurri		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	

Narsino		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Pandal		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Rala		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Tai		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Salag		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Karmroo		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Khro		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Gagerada		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
kamkam		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
kangi		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
kenye/kenyo		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
lanyan		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Karkai/katkai		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Gamai		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Kalam/kalen		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Karmanglu		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Tanda		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
mankarahan		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Amity		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Banhadma		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Gangara		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	
Kavita		Tree	Sub - Tropical	Available	Available	Own Use	Wood			Self observed	

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
	Rati	<i>Abrus precatorius</i>	Wild	Social and Economic	Available
	Khair	<i>Acacia catechu</i>	Wild	Social and Economic	Available
	Exotic acacia	<i>Acacia farnesiana</i>	Wild	Social and Economic	Available
	Phulai or Fly	<i>Acacia modesta</i>	Wild	Social and Economic	Available
	Kikar	<i>Acacia nilotica</i>	Wild	Social and Economic	Available
	Parkanda	<i>Achyranthes aspera</i>	Wild	Social and Economic	Available
	Bel	<i>Aegle marmelos</i>	Wild	Social and Economic	Available
	Nuriya	<i>Aerva sanguinolenta</i>	Wild	Social and Economic	Available
	Ramban	<i>Agave americana</i>	Wild	Social and Economic	Available
	Kala Siris	<i>Albizia lebbek</i>	Wild	Social and Economic	Available
	Kramblu	<i>Albizia odoratissima</i>	Wild	Social and Economic	Available
	Safed siris	<i>Albizzia procera</i>	Wild	Social and Economic	Available
	Kuad Gandal	<i>Aloe barbadensis</i>	Wild	Social and Economic	Available
	Chaleri Saag	<i>Amaranthus viridis</i>	Wild	Social and Economic	Available
	Seski	<i>Artemisia parviflora</i>	Wild	Social and Economic	Available
	Kathal	<i>Artocarpus heterophyllus</i>	Wild	Social and Economic	Available
	Nad	<i>Arundo donax</i>	Wild	Social and Economic	Available
	Neem	<i>Azadirachta indica</i>	Wild	Social and Economic	Available
	Bamboo	<i>Bambusa bambos</i>	Wild	Social and Economic	Available
	Bamboo	<i>Bambusa nutans</i>	Wild	Social and Economic	Available
	Kachnar	<i>Bauhinia purpurea</i>	Wild	Social and Economic	Available
	Baloonger	<i>Bauhinia vahlii</i>	Wild	Social and Economic	Available
	Kachnar	<i>Bauhinia variegata</i>	Wild	Social and Economic	Available
	Simbal	<i>Bombax ceiba</i>	Wild	Social and Economic	Available
	Jungli toot	<i>Broussonetia papyrifera</i>	Wild	Social and Economic	Available
	Plaah	<i>Butea monosperma</i>	Wild	Social and Economic	Available
	Bhang	<i>Cannabis sativa</i>	Wild	Social and Economic	Available
	Chilla	<i>Casearia tomentosa</i>	Wild	Social and Economic	Available
	Krangal	<i>Cassia fistula</i>	Wild	Social and Economic	Available
	Mainphal	<i>Catunaregum spinosa</i>	Wild	Social and Economic	Available
	Aajan Grass	<i>Cenchrus ciliaris</i>	Wild	Social and Economic	Available
	Brahmi buti	<i>Centella asiatica</i>	Wild	Social and Economic	Available
	Karun	<i>Chenopodium murale</i>	Wild	Social and Economic	Available

	Khas Khas	<i>Chrysopogon zizanoides</i>	Wild	Social and Economic	Available
	Kapoor	<i>Cinnamomum camphora</i>	Wild	Social and Economic	Available
	Bhus	<i>Cirsium arvense</i>	Wild	Social and Economic	Available
	Sanali or Dussa	<i>Colebrookea oppositifolia</i>	Wild	Social and Economic	Available
	Barna	<i>Crateva religiosa</i>	Wild	Social and Economic	Available
	Amar Bel	<i>Cuscuta reflexa</i>	Wild	Social and Economic	Available
	Shudri	<i>Cynoglossum lanceolatum</i>	Wild	Social and Economic	Available
	Deela	<i>Cyperus rotundus</i>	Wild	Social and Economic	Available
	Tali	<i>Dalbergia sissoo</i>	Wild	Social and Economic	Available
	Dhatura	<i>Datura stramonium</i>	Wild	Social and Economic	Available
	Baans	<i>Dendrocalamus strictus</i>	Wild	Social and Economic	Available
	Palain	<i>Dichanthium annulatum</i>	Wild	Social and Economic	Available
	Kalu grass	<i>Dicliptera bupleuroides</i>	Wild	Social and Economic	Available
	Sadhun	<i>Dioscorea melanophyma</i>	Wild	Social and Economic	Available
	Santha	<i>Dodonaea viscosa</i>	Wild	Social and Economic	Available
	Duranta	<i>Duranta erecta</i>	Wild	Social and Economic	Available
	Chamror	<i>Ehretia acuminata</i>	Wild	Social and Economic	Available
	Chamror	<i>Ehretia laevis</i>	Wild	Social and Economic	Available
	Dhol Dhak	<i>Erythrina suberosa</i>	Wild	Social and Economic	Available
	Pangara	<i>Erythrina variegata</i>	Wild	Social and Economic	Available
	Safeda	<i>Eucalyptus camaldulensis</i>	Wild	Social and Economic	Available
	Hybrid safeda	<i>Eucalyptus tereticornis</i>	Wild	Social and Economic	Available
	Bubbeain	<i>Eulaliopsis binata</i>	Wild	Social and Economic	Available
	Thor	<i>Euphorbia royleana</i>	Wild	Social and Economic	Available
	Trimbal	<i>Ficus auriculata</i>	Wild	Social and Economic	Available
	Bohr	<i>Ficus benghalensis</i>	Wild	Social and Economic	Available
	Fagora	<i>Ficus palmata</i>	Wild	Social and Economic	Available
	Rumble	<i>Ficus racemosa</i>	Wild	Social and Economic	Available
	Badh or Pipal	<i>Ficus religiosa</i>	Wild	Social and Economic	Available
	Kakoa	<i>Flacourtia indica</i>	Wild	Social and Economic	Available
	Kanphuta	<i>Flemingia chappar</i>	Wild	Social and Economic	Available
	Bhattani	<i>Gomphrena celosioides</i>	Wild	Social and Economic	Available
	Dhaman	<i>Grewia optiva</i>	Wild	Social and Economic	Available
	Lamb grass	<i>Heteropogon contortus</i>	Wild	Social and Economic	Available
	Aakh	<i>Ipomoea carnea</i>	Wild	Social and Economic	Available
	Kharpoway	<i>Ipomoea purpurea</i>	Wild	Social and Economic	Available
	Chameli	<i>Jasminum officinale</i>	Wild	Social and Economic	Available
	Ratanjot	<i>Jatropha curcas</i>	Wild	Social and Economic	Available
	Brenker	<i>Justicia adhatoda</i>	Wild	Social and Economic	Available
	Kembal	<i>Lannea coromandelica</i>	Wild	Social and Economic	Available
	Panjphuli	<i>Lantana camara</i>	Wild	Social and Economic	Available
	Mithu grass	<i>Lathyrus sativus</i>	Wild	Social and Economic	Available

	Kamila	<i>Mallotus philippensis</i>	Wild	Social and Economic	Available
	Baryar	<i>Malvastrum coromandelianum</i>	Wild	Social and Economic	Available
	Aam	<i>Mangifera indica</i>	Wild	Social and Economic	Available
	Drehnk	<i>Melia azedarach</i>	Wild	Social and Economic	Available
	Kaam	<i>Mitragyna parvifolia</i>	Wild	Social and Economic	Available
	Toot	<i>Morus alba</i>	Wild	Social and Economic	Available
	Drenkeri	<i>Murraya koenigii</i>	Wild	Social and Economic	Available
	Gandila	<i>Nerium oleander</i>	Wild	Social and Economic	Available
	Kua	<i>Olea europaea</i> subsp.	Wild	Social and Economic	Available
		<i>cuspidata</i>	Wild	Social and Economic	Available
	Chhitter	<i>Opuntia elatior</i>	Wild	Social and Economic	Available
	Tetar	<i>Oroxylum indicum</i>	Wild	Social and Economic	Available
	Congress Grass or Jari	<i>Parthenium hysterophorus</i>	Wild	Social and Economic	Available
	Deena nath grass	<i>Pennisetum pedicellatum</i>	Wild	Social and Economic	Available
	Napier grass	<i>Pennisetum purpureum</i>	Wild	Social and Economic	Available
	Khajoor	<i>Phoenix sylvestris</i>	Wild	Social and Economic	Available
	Amla	<i>Phyllanthus emblica</i>	Wild	Social and Economic	Available
	Chir	<i>Pinus roxburghii</i>	Wild	Social and Economic	Available
	Daduni	<i>Punica granatum</i>	Wild	Social and Economic	Available
	Jojra	<i>Pupalia lappacea</i>	Wild	Social and Economic	Available
	Basant panchami	<i>Reinwardtia indica</i>	Wild	Social and Economic	Available
	Armid	<i>Ricinus communis</i>	Wild	Social and Economic	Available
	Junglee Palak	<i>Rumex hastatus</i>	Wild	Social and Economic	Available
	Khar	<i>Saccharum bengalense</i>	Wild	Social and Economic	Available
	Kai	<i>Saccharum spontaneum</i>	Wild	Social and Economic	Available
	Reetha	<i>Sapindus mukorossi</i>	Wild	Social and Economic	Available
	Bari kasondi	<i>Senna occidentalis</i>	Wild	Social and Economic	Available
	Kassod	<i>Senna siamea</i>	Wild	Social and Economic	Available
	Cassia	<i>Senna sulfurea</i>	Wild	Social and Economic	Available
	Panwar	<i>Senna tora</i>	Wild	Social and Economic	Available
	Kezun grass	<i>Setaria sphacelata</i>	Wild	Social and Economic	Available
	Kayan Kothi	<i>Solanum americanum</i>	Wild	Social and Economic	Available
	Ban tamakoo	<i>Solanum erianthum</i>	Wild	Social and Economic	Available
	Jamun	<i>Syzygium cumini</i>	Wild	Social and Economic	Available
	Imli	<i>Tamarindus indica</i>	Wild	Social and Economic	Available
	Phul dudi	<i>Tarxacum campylodes</i>	Wild	Social and Economic	Available
	Arjun	<i>Terminalia arjuna</i>	Wild	Social and Economic	Available
	Bahera	<i>Terminalia bellirica</i>	Wild	Social and Economic	Available
	Harar	<i>Terminalia chebula</i>	Wild	Social and Economic	Available
	Giloe	<i>Tinospora sinensis</i>	Wild	Social and Economic	Available
	Tunu	<i>Toona ciliata</i>	Wild	Social and Economic	Available

	Jiyo	<i>Trema orientalis</i>	Wild	Social and Economic	Available
	Pakhra	<i>Tribulus terrestris</i>	Wild	Social and Economic	Available
	Kayalu	<i>Tulipa clusiana</i>	Wild	Social and Economic	Available
	Bachita	<i>Urena lobata</i>	Wild	Social and Economic	Available
	Bana	<i>Vitex negundo</i>	Wild	Social and Economic	Available
	Pansar	<i>Wendlandia exserta</i>	Wild	Social and Economic	Available
	Dhain	<i>Woodfordia floribunda</i>	Wild	Social and Economic	Available
	Dudhi	<i>Woodfordia fruticosa</i>	Wild	Social and Economic	Available
	Jojera	<i>Wrightia arborea</i>	Wild	Social and Economic	Available
	Timbru	<i>Xanthium strumarium</i>	Wild	Social and Economic	Available
	Ber	<i>Zanthoxylum armatum</i>	Wild	Social and Economic	Available
	Cribul	<i>Ziziphus jujuba</i>	Wild	Social and Economic	Available
	Kurri		Wild	Social and Economic	Available
	Narsino		Wild	Social and Economic	Available
	Pandal		Wild	Social and Economic	Available
	Rala		Wild	Social and Economic	Available
	Tai		Wild	Social and Economic	Available
	Salag		Wild	Social and Economic	Available
	Karmroo		Wild	Social and Economic	Available
	Khro		Wild	Social and Economic	Available
	Gagerada		Wild	Social and Economic	Available
	Tottery		Wild	Social and Economic	Available
	kamkam		Wild	Social and Economic	Available
	kangi		Wild	Social and Economic	Available
	kenye/kenyo		Wild	Social and Economic	Available
	lanyan		Wild	Social and Economic	Available
	Karkai/katkai		Wild	Social and Economic	Available
	Gamai		Wild	Social and Economic	Available
	Kalam/kalen		Wild	Social and Economic	Available
	Karmanglu		Wild	Social and Economic	Available
	Tanda		Wild	Social and Economic	Available
	mankarahan		Wild	Social and Economic	Available
	Amity		Wild	Social and Economic	Available
	Banhadma		Wild	Social and Economic	Available
	Gangara		Wild	Social and Economic	Available
	Kavita		Wild	Social and Economic	Available
	Balugar		Wild	Social and Economic	Available
	Chuindi		Wild	Social and Economic	Available
	Doss/sanan		Wild	Social and Economic	Available
	Khini		Wild	Social and Economic	Available
	Kral		Wild	Social and Economic	Available
	Lana		Wild	Social and Economic	Available

	Dhaman		Wild	Social and Economic	Available
	Charmod		Wild	Social and Economic	Available
	Badh		Wild	Social and Economic	Available
	Behra		Wild	Social and Economic	Available
	Bilan		Wild	Social and Economic	Available
	Gandila		Wild	Social and Economic	Available
	Gulmorh		Wild	Social and Economic	Available
	Oanni		Wild	Social and Economic	Available
	Rumble		Wild	Social and Economic	Available
	Draink		Wild	Social and Economic	Available
	Harad		Wild	Social and Economic	Available
	Amb		Wild	Social and Economic	Available
	Soyanjana		Wild	Social and Economic	Available
	Tunnu		Wild	Social and Economic	Available
	Neem		Wild	Social and Economic	Available
	Plakh		Wild	Social and Economic	Available
	Rehn		Wild	Social and Economic	Available
	chamar sama		Wild	Social and Economic	Available
	lasura		Wild	Social and Economic	Available
	kassod		Wild	Social and Economic	Available
	tantary		Wild	Social and Economic	Available
	BRANKED		Wild	Social and Economic	Available
	KHAR		Wild	Social and Economic	Available
	Sagwan		Wild	Social and Economic	Available
	Imli		Wild	Social and 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				
Minor Carp/Bata Mashi	<i>Labeo spp</i>	Indigenous Fresh Water Fish	The dorsal profile is slightly more convex than that of the abdomen and its greatest width of the head equals its length excluding the snout. The lips are thin, continuous and the lower one is reflected from off the mandible and with a shallow groove along its hind edge.	River, Nallahs, Streams	Plenty	Plenty	Food Fish		Cast Net, Gillnet, Hook & Line Etc.	Mahigirs/ Fishermen Community
Goonch	<i>Bagarius bagarius</i>	Indigenous Fresh Water Fish	Body elongate with depressed head. Head 5.6-7.2 times in SL (Talwar and Jhingran, 1991). Mouth inferior/ventral and crescentic. Dorsal inserted nearer to the adipose base than snout tip. Four pairs of barbels. Abdominal vertebrae 17-20 (Talwar and Jhingran, 1991). Caudal deeply forked, upper lobe produced into a long filamen (Rahman, 1989 and 2005). Skins on sides and above rough	River, Nallahs, Streams	Plenty	Rare	Food Fish		Cast Net, Gillnet, Hook & Line Etc.	Mahigirs/ Fishermen Community

Groch	<i>Anguilla</i>	Indigenous Fresh Water Fish	<p>Body elongate, cylindrical anteriorly, somewhat compressed posteriorly. Head rather long. Eye always rounded, small in young and yellow eels, large in silver eels.</p> <p>Lower jaw longer than the upper and protruding. Teeth minute, set in bands in both jaws and in a patch on vomer. Gill openings small and vertical, restricted to sides.</p>	River, Nallahs, Streams	Plenty	Rare	Food Fish		Cast Net, Gillnet, Hook & Line Etc.	Mahigirs/ Fishermen Community
Seenghala	<i>Mystus Seenghala</i>	Indigenous Fresh Water Fish	<p>Body of <i>Mystus seenghala</i> is elongated, compressed, naked (without scales) covered with bony plates. Mouth is long and their cleft is narrow. Four pair of barbels found, maxillary barbels are longer than nasal barbels and reached beyond the hind margin of dorsal fin.</p>	River, Nallahs, Streams	Plenty	Rare	Food Fish		Cast Net, Gillnet, Hook & Line Etc.	Mahigirs/ Fishermen Community
Mori	<i>Channa spp</i>	Indigenous Fresh Water Fish	<p>The body is distinctly cylindrical in cross-section, but appears slightly flattened dorso-ventrally. Large scales on the top of the cranium are arranged in a pattern similar to that on the head of a snake. It has 29-32 dorsal fin soft rays, 20-23 anal fin rays and 12-14 caudal fin rays. There are 53-55 scales on the lateral line.</p>	River, Nallahs, Streams	Plenty	Plenty	Food Fish		Cast Net, Gillnet, Hook & Line Etc.	Mahigirs/ Fishermen Community
Ticher	<i>Puntius spp</i>	Indigenous Fresh Water Fish	Small sized fish	River, Nallahs, Streams	Plenty	Plenty	Food Fish/ Ornamental Fish		Cast Net, Gillnet, Hook & Line Etc.	Mahigirs/ Fishermen Community

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					
Tree	Phulai or Fly	<i>Acacia modesta</i>	Wild	Sub-tropical	Available	Available					
Tree	Kikar	<i>Acacia nilotica</i>	Wild	Sub-tropical	Available	Available					
Tree	Parkanda	<i>Achyranthes aspera</i>	Wild	Sub-tropical	Available	Available					
Tree	Bel	<i>Aegle marmelos</i>	Wild	Sub-tropical	Available	Available					
Tree	Kramblu	<i>Albizia odoratissima</i>	Wild	Sub-tropical	Available	Available					
Tree	Neem	<i>Azadirachta indica</i>	Wild	Sub-tropical	Available	Available					
Tree	Simbal	<i>Bombax ceiba</i>	Wild	Sub-tropical	Available	Available					
Shrubs	Bhang	<i>Cannabis sativa</i>	Wild	Sub-tropical	Available	Available					
Shrubs	Garna	<i>Carissa spinarum</i>	Wild	Sub-tropical	Available	Available					
Tree	Krangal	<i>Cassia fistula</i>	Wild	Sub-tropical	Available	Available					
Herbs	Brahmi buti	<i>Centella asiatica</i>	Wild	Sub-tropical	Available	Available					
Herbs	Khas Khas	<i>Chrysopogon zizanoides</i>	Wild	Sub-tropical	Available	Available					
Tree	Kapoor	<i>Cinnamomum camphora</i>	Wild	Sub-tropical	Available	Available					
Tree	Fagora	<i>Ficus palmata</i>	Wild	Sub-tropical	Available	Available					
Tree	Rumble	<i>Ficus racemosa</i>	Wild	Sub-tropical	Available	Available					
Tree	Toot	<i>Morus alba</i>	Wild	Sub-tropical	Available	Available					
Shrubs	Drenkeri	<i>Murraya koenigii</i>	Wild	Sub-tropical	Available	Available					
Tree	Khajoor	<i>Phoenix sylvestris</i>	Wild	Sub-tropical	Available	Available					
Tree	Amla	<i>Phyllanthus emblica</i>	Wild	Sub-tropical	Available	Available					
Tree	Reetha	<i>Sapindus mukorossi</i>	Wild	Sub-tropical	Available	Available					
Tree	Jamun	<i>Syzygium cumini</i>	Wild	Sub-tropical	Available	Available					
Tree	Imli	<i>Tamarindus indica</i>	Wild	Sub-tropical	Available	Available					
Tree	Arjun	<i>Terminalia arjuna</i>	Wild	Sub-tropical	Available	Available					
Tree	Bahera	<i>Terminalia bellirica</i>	Wild	Sub-tropical	Available	Available					
Tree	Harar	<i>Terminalia chebula</i>	Wild	Sub-tropical	Available	Available					
	Jungli Putna	<i>Mentha arvensis</i>									
	Chaleri Saag										

Note: Uses: Food/ veterinary/ Human Medicine(sub-diisions like for children, women etc)/ agricultural Purpose(Bio-pesticide)

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					
Chalari Saag	<i>Amaranthus viridis</i>		Sub-tropical	Available	Available					
Jangli Putna	<i>Mentha arvensis</i>									
Kiker	<i>Acacia Nilotica</i>									
Bhang	<i>Cannabis sativum</i>									
Arjun	<i>Terminalia arjuna</i>									
Drainkri	<i>Melia azedarach</i>									
Toot	Morus Alba									

Note: Other details may include 'function as a substitute plant' in the absence of a particular plant

Format 24: Ornamental Plants

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
Ornamental Tree	Kachnar	Bauhinia Variiegata		Nurseries/Forest	Non commercial	Ornamental/ Landscaping	Used for Dysentry, Diarrhoea	Pink flowers in Summer	Floriculturists/ Nurserymen/ Gardeners
Bushes/ Shrubs	Nerium	Nerium Oleander		Nurseries	Non commercial	Ornamental/ Landscaping	Epilepsy, cancer	Avenue plantation	Floriculturists/ Nurserymen/ Gardeners
Bushes/ Shrubs									
Bushes/ Shrubs	Kaner	Thevetia Peruviana		Nurseries	Non commercial	Ornamental/ Landscaping	Fevers	Flower most of the year	Floriculturists/ Nurserymen/ Gardeners
Bushes/ Shrubs									
Bushes/ Shrubs	Bottle Brush	Callistemmon spp.		Nurseries	Non commercial	Ornamental/ Landscaping	Theraputic uses	Foilage and flowers	Floriculturists/ Nurserymen/ Gardeners
Bushes/ Shrubs									
Bushes/ shrubs	Bogan Bael	B.Sp & hybrids		Nurseries	Non commercial	Ornamental/ Landscaping	Antidiabetic, antiinflammatory	Multicoloured flowers	Floriculturists/ Nurserymen/ Gardeners
Bushes/ Shrubs									
Bushes/ Shrubs	Golden Duranta	Duranta repens		Nurseries	Non commercial	Ornamental/ Landscaping	Beneficial in itching, malaria, asthma etc.	Foliage, Edging	Floriculturists/ Nurserymen/ Gardeners
Bushes/ Shrubs									
Bushes/ Shrubs	Hibiscus	Hibiscus Rosasinensis		Nurseries	Non commercial	Ornamental/ Landscaping	Used in fever, constipation	Flower throughout the year	Floriculturists/ Nurserymen/ Gardeners
Bushes/ Shrubs									
Bushes/ Shrubs	Motia	Jasminum		Nurseries	Non commercial	Ornamental/ Landscaping	Used in Hepatitis,	Flower throughout	Floriculturists/

Fly								
Kamla								
Sufeda								
Neem								
Plah								
Arjun								

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Format 29: Flora

1	2	3	4	5	6	7
S. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)

Note: Separate format should be used for road side plantation/ parks and Gardens/ housing estate/ Commercial Buildings/ other institutional areas, Private club Premises and also for Aquatic(water) habitat and terretrial (land) habitat

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.)

Note: Separate format should be used for road side plantyation - habitat / parks and gardens / housing estate/ commercial buildings/ other institutional areas, private club premises and also for aquatic (water) habitat and terrestrail (land) habitat.

Format 31: Any other information of local importance

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

End of part II