

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti:** Gangal

**Taluk:** Chowki Choura

**District:** Jammu

**State/UT:** J&K

**Geographical Area of the Panchayat Samiti:** 1757.98Hect

**Population under the Panchayat Samiti:** 1707

**Male:** 992

**Habitat and Topography:** Hilly

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

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

**Date, Month and Year of PBR Preparation:** 30/11/2019

**Management Regime:** Reserve Forest (RF)/Joint Forest Management(JFM)/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 body ; not less than one third to be women and not less than 18% belonging to SC/ST)**

S.no	Block	Panchayat	Name of the Elected Chairperson	Name of the Members	Age	Gender	Address	Area of Specialization
1		Gangal	Anu Radha W/o Rakesh Kumar		30	Female	R/o Gangal	–
2				Geeta Devi W/o Mansa Ram	31	Female	R/o Gangal	–
3				Madhu Sharma W/o Mukesh Kumar	28	Female	R/o Gangal	–
4				Mushkit Ali S/o Abdul Aziz	53	Male	R/o Gangal	–
5				Subash Chander S/o Sunder Dass	35	Male	R/o Gangal	–
6				Shashi Kant S/o Raj Kumar	35	Male	R/o Gangal	–
7				Sanjay Kumar S/o Bansi Lal	22	Male	R/o Gangal	–

## 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 : Krishan Lal

Age: 65

Gender: Male

Address: R/o. Gangal

Area of specialization: Snake Bite

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:** Sham Lal

**Age:** 60 Yr.

**Gender:** Male

**Address:** Gangal

**Area of specialization:** Agriculture

**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**

1	2	3	4	5	6
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	Other details	Uses	Associated TK	Cropping Season	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Rice	<i>Oryza sativa</i>	Dhan/ Munji	B-370(Fine & Long duration)			Normal	Normal	Basmati 370 is world wise known for its aroma	Food & Fodder	Provides energy fragrance and taste	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
Maize	<i>Zea mays</i>	Maka	Dekalb double			Rare	Plenty	Tall, high yielding with yellow in colour)	Food & Fodder	Provides energy	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
			K-517			Plenty	Rare							
			Ujala			Normal	Plenty	Average tall with yellow in colour						
			K-612			Plenty	Normal							
			Pro Agro-4794			Plenty	Normal	Tall, high yielding with yellow in colour)						

Mash	<i>Vigna mungo</i>	Mhaa	PU-19			Normal	Normal	High yielding Variety	Food	Source of Vegetable Protein	-	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
			Utra			Normal	Normal							
Bajra	<i>Pennisetum americanum</i>	Bajra	Local Variety			Normal	Normal	Tall & low Yielding variety	Food & Fodder	Source of Energy	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
			MHB-110			Normal	Normal							
Wheat	<i>Triticum aestivum</i>	Kanak	HD2967,PBW 644			Plenty	Plenty	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/Bread making	Rabi	Farmers / Department/ Private Suppliers	Farmers
Lentil	<i>Lens esculantum</i>	Masar	PL406			Normal	Normal	High yielding Variety	Food	Source of Protein/Energy	Improve soil fertility	Rabi	Farmers / Department/ Private Suppliers	Farmers
Chick-pea	<i>Cicer arietinum</i>	Chana	GNG-469/C 235			Normal	Normal	High yielding Variety	Food	Source of Protein/Energy	Improve soil fertility	Rabi	Farmers / Department/ Private Suppliers	Farmers
Peas	<i>Pisum sativum</i>	Matar	Rachna			Normal	Normal	Early maturing & High yielding	Food	Source of Protein/Energy	Used as Vegetable	Rabi	Farmers / Department/ Private Suppliers	Farmers



Onion	<i>Allium cepa</i>	Gamd	nasik Red, Red Coral, Monsanto And Local Spp.			Abundant	Abundant	Bulbs Cash Crop	Vegetables	Vegetable	Staple Vegetable food	Rabi	Farmers / Department/ Private Suppliers	
Mustard	<i>Brassica juncea/ Brassica comprestis</i>	Sarson	Pusa Bold/ KOS -1			Normal	Normal	Matures in 145-150 days with 40-42 % oil content	oil for Food	Source of energy i	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Private Suppliers	Farmers
Gobhi Sarson	<i>Brassica napus</i>	Gobhi Sarina	GSL-1,DGS-1,Local			Normal	Abundant	Annual Herb,yellow flowers bearing Pods	oil for Food,leaves used as vegetable	Source of energy i,calciam,copper,potassium	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Private Suppliers	Farmers
Linseed	<i>Linum usitatissimum</i>	Alsi	LC 54			Normal	Normal	Medium duration	Food & fiber	Source of energy in the shape of Oil	Medicinal,in dustrial & domestic use	Rabi	Farmers / Department/ Private Suppliers	Farmers
Potato	<i>Solanum tuberosum</i>	Aalo	Kufri Sindhuri,Kufri Badsha, local			Abundant	Abundant	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable,chips etc	-	High carbohydrate, provide high n energy value	Rabi	Farmers / Department/ Private Suppliers	Farmers
Toria	<i>Brassica j. rape cv.Toria</i>	Toria	RSPT-1,RSPT-2,Local var.			Normal	Normal	Short durationAnnual Herb	oil for preparation of Food	Source of energy , calciam, copper, potassium	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	Farmers / Department/ Private Suppliers	Farmers

Sesame	<i>Sesamum indicum</i>	Til	Punjab Til No.1/local			Normal	Normal	Medium Yielding	Food	Source of Vegetable oil	Religiuos and medicinal value	June - Oct.	Farmers / Department/ Privaate Suppliers	Farmers
Sugarcane	<i>Saccharum officinarum</i>	Ganna	COJ-64,COJ-81			Rare	Rare	Long duration crop for Nine months	Food	Source of energy in the shape of Gur/Sugar	Sugar cane Juice used as prefered drink for instant source of energy during summer besides beating heat	Spring season	Farmers / Department/ Privaate Suppliers	Farmers
Chilli	<i>Capsicum spp</i>	Mirchi	Pusa Jawala, CH-1			Abundant	Abundant	Pungency and flavor	Used as spice ,medic ianal value	-	Contains good ammoun of vitamin A&C	winter season	Farmers / Department/ Privaate Suppliers	Farmers
Tomato	<i>Solanum lycopersicum</i>	Tamater	Pusa rubi,Pusa early dwarf, Manisha Plus/local			Abundant	Abundant	Stems are woody and weak, and tend to vine over other types of plants.	Used as vegetable ,s salad, soup,Souce	rich source of Ascorbic acid	Tomatoes are also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
Okra	<i>Abelmoschus esculentus</i>	Bindi	Varsha uphar, Arka Anamika			Abundant	Abundant	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dieta fibers,protein and carbohydrate sry	Summer/ Kharif	Farmers / Department/ Privaate Suppliers	Farmers

Cucumber	<i>Cucumis sativus</i>	Kheera	Kheera local, JL			Abundant	Abundant	Limbing annual bearing elongated thick cylindrical fruit	Mainly used as salad	-	It also used as antipyretic and causing cooling effect	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
Bottle gourd	<i>Lagenaria siceraria</i>	Lokki	PSPL/Punjab Long			Abundant	Abundant	Vines vigorous, profusly branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
Bitter gourd	<i>Momordica charantia</i>	karela	Pusa Domausmi/Kundan			Abundant	Abundant	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maintaining low suger level	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
Beans	<i>Phaseolus Spp.</i>	Phaliya	Contender			Abundant	Abundant	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High vale protein, Vitamine B1, B2, B6 and Maganese	Summer season	Farmers / Department/ Private Suppliers	Farmers
Knol khol	<i>Brassica oleraceae var. gongyloides</i>	Kadam	White vienna, Purple vienna			Abundant	Abundant	Swollen stem , green/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	-	Rabi	Farmers / Department/ Private Suppliers	Farmers
Spanich	<i>Spinacea oleracea</i>	Palak	All Green, Delta			Abundant	Abundant	Tender green leaves & root used as Vegetable	Tender green leaves used as leafy Vegetable	-	Vitamins A and C, fiber, folic acid, and other nutrients	Rabi	Farmers / Department/ Private Suppliers	Farmers

Radish	<i>Raphanus sativus</i>	Mulli	Japanes White ,Koren Etc			Abundant	Abundant	Tender green leaves & roots used as Vegetable	Modified Roots are used as Vegetabke & Salad	-	Full of vitamin A, C, E, B6, potassium, and other minerals,	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
Turnip	<i>Brassica rapa</i>	Gunglu /Shalgam	PTWG/Local			Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable ,Salad,.	-	Good source of Vit.C,Diatry Fiber &Potasium	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
Exocitic Vegetables	<i>Broccoli// Chinese Cabbage / Capsicum etc.</i>		Prevelent Hybrid varieties			Rare	Abundant	All Plants Carts and Fruits are eadable Ric Source of antioxidants	Salad and Vegetable		Ric Source of Multivitimins , Minierals and Antioxidents	Rabi	Farmers / Department/ Privaate Suppliers	Farmers

**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						
Mango	<i>Mangifera indica</i>	Aam	Desi, Dusheri, Malta	Plains	Plenty	Plenty	Nurseries	Jun-Aug	Alternate Bearing	Fruit, Pickle, Preserves	Marketing, Own Use	
Citrus Fruit	<i>Citrus spp.</i>	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	Local Selection, Kagzi Lime etc.	Plains, mid hills	Plenty	Plenty	Nurseries	Through Out Year	Tree, Regular Bearing	Fruit, Pickle, Squashes etc	Marketing, Own Use	
Litchi	<i>Litchi chinensis</i>	Litchi	Culcatta, Dehradun	Plains	Plenty	Rare	Nurseries	Jul - Aug	Tree, Regular Bearing	Fruit	Marketing	
Guava	<i>Psidium guajava</i>	Amrood	Local, L49 etc.	Plains, Lower Hills	Plenty	Plenty	Nurseries	Jul - Aug	Tree, Regular Bearing	Fruit	Marketing, Own Use	
Grapes	<i>Vitis vinifera</i>	Anjoor	Local Dakh, Perlette	Plains, Mid Hills	Rare	Plenty	Nurseries	Jul - Aug	Vine, Regular Bearing	Fruit		
Aonla	<i>Phyllanthus emblica</i>	Ambla	Local Selection, NA-7	Plains	Plenty	Plenty	Nurseries, Local Collections	Nov.- Dec	Tree, Regular Bearing	Pickling Preserve etc	Marketing, Own Use	
Ber	<i>Ziziphus mauritiana lamk</i>	Ber	Gola, Varanasi	Plains	Plenty	Plenty	Local	Jul - Aug	Tree, Regular Bearing	Fruit	Own Use	

Jamun	<i>Syzygium cumini</i>	Jamun	Local Selection	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Tree, Regular Bearing	Fruit	Own Use	
Pomegranate	<i>Punica granatum</i>	Anaar, Druni	Ganesh, Kandhari, Local	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Tree, Regular Bearing, Shrub	Fruit, Anardana	Own Use	
Pear	<i>Pyrus spp.</i>	Nakh	Pathar Nakh, China Pear	Plains, mid hills	Rare	Rare	Nurseries	Aug - Sep	Tree, Regular Bearing	Fruit	Own Use	
Peach	<i>Prunus persica</i>	Aaroo	July Elberta, Quetta	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul	Tree, Regular Bearing	Fruit	Marketing, Own Use	
Karonda	<i>Carissa carandas</i>	Garnay	Local	Hills/ Plains	Rare	Rare	Wild, Local	Jun - Aug	Shrub	Fruit	Marketing, Own Use	
Papaya	<i>Carica papaya</i>	Papita	Local	Plains	Rare	Plenty	Nurseries, Locally Raised	Aug - Oct	Tree	Fruit	Own Use	
Toot	<i>Morus alba</i>		Local						Tree	Fruit		

**Format 03 Fodder Crop/ Species**

1	2	3	4	5		6	7		8	9	10	11	12
S. No.	Plant	Scientific Name	Local Name	Habit	Area (Approx.) Rabi/ Kharif	Landscape/ Habitat	Local Status		Part Used	Associated TK	Other details (mode of use)	Sources of Seeds and Plants	Community / Knowledge holder
							Past	Present					
1	Barseem	<i>Trifolium alexandrium</i>	Chhatala	Annual		Sub Humid & moderately cool	Abundant	Abundant	Entire Plant	Nutritious & palatable fodder, Source of energy for animals	Fodder	Farmers / Department/ Private Suppliers	Farmers
2	Oats	<i>Avena spp.</i>	Javi	Annual		Cool & moist climate	Abundant	Abundant	Above ground part of plant	Nutritious & palatable fodder,	Fodder		Farmers
3	Sorghum	<i>Sorghum spp.</i>	cherri	Annual		Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Fodder	Farmers / Department/ Private Suppliers	Farmers
4	Maize	<i>Zea mays</i>	Makki	Annual		Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Food & fodder		Farmers
5	Bajra	<i>Pennisetium americanum</i>	Bajra	Annual		Warm & humid	Abundant	Normal	Above ground part of plant	Source of energy	Food & fodder	Farmers / Department/ Private Suppliers	Farmers
6	Cowpea	<i>Vigna unguiculata</i>	Rongi	Annual		Warm & humid	Abundant	Normal	Above ground part of plant	Kharif Legume with high protein	Fodder		Farmers

### Format 04 Weeds

1	2	3	4	5	6	7	8		9	10	11	12	13
S. No.	Plant	Scientific Name	Local Name	Affected Crop	Habit	Landscape/ Habitat	Local Status		Uses if any	Management options	Associated TK	Other details	Community / Knowledge holder
							Past	Present					
1	Pig Weed	<i>Amaranthus viridis</i>	Jangli Choulai	Rice, Maize & sugarcane	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein & amino acid	Also Used as medicinal herb	Farmers
2	Lamb's quarters	<i>Chenopodium album</i>	Bathua/ Kanh/Wild Spinach	Wheat, Pea, Potato	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein, Vit. A, Calcium, Phosphorous & potash	Annual feed & fermentation of Beverages	Farmers
3	Nut Grass	<i>Cyperus rotundus</i>	Dilla/Motha	Paddy, maize, sugarcane, vegetable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Traditionally used as medicine	Farmers
4	Barnyard Grass	<i>Echinochloa crusgalli</i>	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers
5	Carrot grass	<i>Parthenum hysterophorus</i>	Congress Grass	Gardens & sugarcane ratoon crops & other crops	Annual	Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage		Farmers
6	Bur Clover	<i>Medicago denticulata</i>	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder, vegetable & green manure	Mechanical, Chemical	Nil	Improves Soil fertility	Farmers
7	Canary Grass	<i>Phalaris minor</i>	Sitti/gilli danda	Wheat Grass Peas, mustard	annual	Agri. Land	Abundant	Abundant	Fodder & forage	Mechanical, Chemical	Source for High quality protein	Agri. Land	Farmers



8	Meadow Pea	<i>Lathyrus aphaca</i>	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers
9	Canada Thistle	<i>Cirsium arvense</i>	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
10	Bang	<i>Cannabis indica</i>	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
11	Nilibuti	<i>Ageratum conyzoides</i>	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
12	Dub Grass	<i>Cynodon dactylon</i>	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
13	Wild oats	<i>Avne fatua</i>	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrativ Fodder for Animals	Farmers
14	Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrativ Fodder for Animals	Farmers
15	Jhonson Grass	<i>Sorghum halepense</i>	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrativ Fodder for Animals	Farmers
16	wild onion	<i>Allium humaie</i>	Jangli payas	Onion	Annual herb	Temprate/ sub tropical	Rare	Rare	Food and medicine	All parts used	-	-	Farmers
17	Panjphuli	<i>Lantana camara</i>			Weed			Rare					

**Format 05: Pests of Crops**

1	2	3	4	5	6	7	8	9	10	11
S. No.	Insect /Animal	Scientific Name	Local Name	Habit	Habitat	Time/Season of Attack	Management Mechanism	Associated TK	Other details	Community / Knowledge holder
1	Mustard aphid	<i>Lipaphis erysimi</i>	aphid	Sucking pest	Attacks mustard & other cucurbit crops	Dec-March	Timely sowing of crop & Chemical, Biological & Mechanical	-	Major threat to oil seed crops of Rabi	Farmers
2	Termite	<i>Microtermis obesi/ Odontoremes obesus</i>	Telle	Chewing & biting	Wheat & other crops	Nov-May	Cultural & Chemical measures	-	Major threat to unirrigated crops	Farmers
3	Blister beetle	<i>Mylabris spp.</i>	Ghori	Chewing & biting	Attacks Maize, Bhindi & Pulses	June-Oct	Mechanical& Chemical measures	-	Insectivorous feed on grasshopper	Farmers
4	Cereal leaf Beetle	<i>Oulema melanopus</i>		Chewing & biting	Attacks Maize	Aug-Sep	Chemical measures	-	Most recent occurrence	Farmers
5	Red Pumpkin Beetle	<i>Raphidopalpa foveicellis</i>	Lal Kaddu Beetle	Chewing & biting	Cucurbits	March-Oct	Chemical measures	-	Most common in fields of Cucurbits	Farmers
6	Cucurbits fruit fly	<i>Bactrocera cucurbitae</i>	Melon fly	Chewing & biting	Attacks Pumpkin, cucumber & gourds	Throughout the year	Mechanical & Chemical, Pheronon trap	-	Danger to all cucumber crops	Farmers
7	Maize stem Borer	<i>Chilo partellus</i>	Sundi /Tana-shedak	Chewing & biting	Attacks Maize, sorghum , Bajra & sugarcane	July to sept	Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers

8	Grasshopper	<i>Hygro blasses Negro / Hieroglyphus nigropletus</i>	Tidi	Maize and Paddy	Maize, Paddy, Jojr Bajra	July to sept	Mechanical& Chemical measures	-	Eats leaves	Farmers
9	Rice Gandi Bug	<i>Leptocorzia varcornis</i>	Gandi Bug	Paddy	Paddy at miliking stage	July to Oct.	Mechanical& Chemical measures	-	Pierce the grains at miliking stage	Farmers
10	Army worm	<i>Spodoptera Frugiperda</i>	Caterpillar	All Crops	Defoliaties Major crops	Through the year	Mechanical& Chemical measures	-	Defoliates all crops	Farmers
11	Leaf Floder	<i>Cnaphalocrocis meddialis</i>	Ctter Pillers	Feeds on leavs abd stem	Attacts on Paddy Leaves	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
12	Stem Borer	<i>Tryporza incrtules</i>	Tana shedat/ Catter pillers	Bores into stem results into dead heart	Crops Plants	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
13	Cut worm	<i>Agrotis ipsilon</i>	Ludi	Cuts stem and leaves	Wheat sorguham maize and other	Throughout the year	Mechanical& Chemical measures	-	Major threats	Farmers
14	White Fly	<i>Aleyrodidae</i>		Suks the shap of plants	Sobin Bhindi and all pulses crops	April to Oct.	Chemical measures	-	Major threats	Farmers
15	Field rats	<i>Ratus meltada</i>	Chouha	Nocturnal in habit	Attacks all crops	Throughout the year	Mechanical& Chemical measures	-	Lives in burrows opening hidden in bushes	Farmers





**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			
Shiwalik areas			Hills	Hills with gentle slopes	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			

**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
Streams			Forest land and Private land		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Tube well			Forest land and Private land		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Dug wells			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Hand pumps			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Bowlis			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Bowlis			Private	Bana, aak, Khar Grass, Panjphuli Jari Etc	Frogs, Fishes, Snakes, Snail	Cattles, wasing 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 mountaain 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					



## DOMESTICATED BIODIVERSITY

### Format 11: Fruit Trees

1	2	3	4	5	6		7	8	9	10	11	12
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						
Tree	Aam	<i>Mangifera indica</i>	Desi, Dusheri, Malta	Plains	Plenty	Plenty	Nurseries	Jun-Aug	Fruit, Pickle, Preserves		Marketing, Own Use	
Shrub	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	
Tree	Litchi	<i>Litchi chinensis</i>	Culcatta, Dehradun	Plains	Plenty	Rare	Nurseries	Jul - Aug	Fruit		Marketing	
Tree	Amrood	<i>Psidium guajava</i>	Local, L49 etc.	Plains, Lower Hills	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing, Own Use	
Vine	Anjoor	<i>Vitis vinifera</i>	Local Dakh, Perlette	Plains, Mid Hills	Rare	Plenty	Nurseries	Jul - Aug	Fruit			
Tree	Ambla	<i>Phyllanthus emblica</i>	Local Selection, NA- 7	Plains	Plenty	Plenty	Nurseries, Local Collections	Nov.- Dec	Pickling Preserve etc		Marketing, Own Use	

Tree	Ber	<i>Ziziphus mauritiana lamk</i>	Gola, Varanasi	Plains	Plenty	Plenty	Local	Jul - Aug	Fruit		Own Use	
Tree	Jamun	<i>Syzygium cumini</i>	Local Selection	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use	
Shrub	Anaar, Druni	<i>Punica granatum</i>	Ganesh, Kandhari, Local	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana		Own Use	
Tree	Nakh	<i>Pyrus spp.</i>	Pathar Nakh, China Pear	Plains, mid hills	Rare	Rare	Nurseries	Aug - Sep	Fruit		Own Use	
Tree	Aaroo	<i>Prunus persica</i>	July Elberta, Quetta	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul	Fruit		Marketing, Own Use	
Runner	Strawberry	<i>Fragaria × ananassa</i>	Chandler	Plains, mid hills	Rare	Plenty	Nurseries	Mar - Apr	Fruit		Marketing	
Shrub	Garnay	<i>Carissa carandas</i>	Local	Hills/ Plains	Rare	Rare	Wild, Local	Jun - Aug	Fruit		Marketing, Own Use	
Herb Tree	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	Community/ Know.
						Past	Present					
Herbs	Jungli putna	<i>Mentha arvensis</i>		Lower shiwalik/ Temperate area	Stem/Seed	Abundant	Abundant	medicinal	Leaves	N.A	N.A	Generally, held by community
Shrubs	Brankad	<i>Adhatoda vasica</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Roots & Flower	N.A	N.A	Generally, held by community
Shrubs	Drainkad	<i>Murraya koenigii</i>		Sub-Tropical area	Seed	Rare	Rare	medicinal & spice	Fruit	N.A	N.A	Generally, held by community
Herbs	Bareyan	<i>Acorus calamus</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves	N.A	N.A	Generally, held by community
Herbs	Bhang	<i>Canabis sativa</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves	N.A	N.A	Generally, held by community
Tree	Bair	<i>Ziziphus mauritiana</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Stem	N.A	N.A	Generally, held by community
Tree	Bahera	<i>Terminalia bellerica</i>		Lower shiwalik	Seed	Rare	Abundant	medicinal	Fruit	N.A	N.A	Generally, held by community

Tree	Draink	<i>Melia azedarach</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves	N.A	N.A	Generally, held by community
Tree	Jamun	<i>Syzygium cumini</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Karal	<i>Bauhinia variegata</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves/ Flower	N.A	N.A	Generally, held by community
Tree	Khair	<i>Acacia catechu</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Kringal	<i>Casia fistula</i>		Lower shiwalik	Seed	Rare	Rare	Flowers as vegetable	Fruit	N.A	N.A	Generally, held by community
Tree	Mango	<i>Mangifera indica</i>		Lower shiwalik	Seed	Abundant	Abundant	Fruits	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Rumbal	<i>Ficus racemosa</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves	N.A	N.A	Generally, held by community
Tree	Siris	<i>Albizzia lebbek</i>		Lower shiwalik	Seed	Abundant	Abundant	Firewood	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Tali	<i>Dalbergia sissoo</i>		Lower shiwalik	Seed	Abundant	Abundant	Timber & fodder	Stem	N.A	N.A	Generally, held by community
Tree	Amla	<i>Emblica officinalis</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves/Bark	N.A	N.A	Generally, held by community

**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	Krangal	<i>Casia fistula</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Shrub	Gandela	<i>Nerium oleander</i>		Cuttings	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Bottle brush	<i>Callistemom citrinus</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Booganbel	<i>Bougainvillea glabra</i>		Cuttings	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 shivalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Mangoo	<i>Mangifera Indica</i>	Lower shivalik	Abundant	Abundant	Wild/ home-garden	own	nil	nil	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Lower shivalik	Rare	Abundant	Wild	commercial	nil	nil	Generally, held by community
Trees	Sree	<i>Albizzia lebbeck</i>	Lower shivalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Talli	<i>Dalbergia sissoo</i>	Lower shivalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Tuni	<i>Toona ciliata</i>	Lower shivalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Lower shivalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	chir	<i>Pinus roxburhii</i>	Lower shivalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Jammun	<i>Syzygium cumini</i>	Lower shivalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Kambila	<i>Mallotus philippensis</i>			Abundant	Wild				

**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	Bhaed	<i>Ovis aries</i>	Local (Non descript)	Small size, low body weight, rough body coat	Statonary	Pleny	Rare	Mutton, wool, skin and manure	Yes	Some	Mutton, wool, skin and manure bones hide and gut	Locals
Sheep	Bhaed	<i>Ovis aries</i>	Rambouillet cross	Large size, fine wool, with long legs mostly white in color	Statonary	Pleny	Rare	Mutton, wool, skin and manure	Yes	Some	Mutton, wool, skin and manure bones hide and gut	Locals
Goat	Bakri	<i>Copra</i>	Beetal Crosses	Large size, high body wt. mostly black & brown body color	Statonary	Pleny	Rare	Chevon milk, skin, hair and manure	Yes	Some	Chevo, milk skin, hair, bones, hide and gut	Locals







## 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	Parts collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Tali	<i>Dalbergia sisoo</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	-
Tree	Khair	<i>Acacia catechu</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	Katha	-	-
Tree	Amla	<i>Emblica officinalis</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Fruit	Food processing	-	-
Tree	Siris	<i>Albizzia lebbek</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial own use	Timber/ Firewood	-	-	-
Tree	Simbal	<i>Bombax ceiba</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Kamila	<i>Mallotus philippensis</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / own use	Timber/ Firewood	-	-	-
Tree	Krangal	<i>Cassia fistula</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / own use	Fruit	-	-	-

Tree	Plaaah	<i>Butea monosperma</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Tree	Santha	<i>Dodonaea viscosa</i>	Shrubs	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Tree	Amb	<i>Mangifera indica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Fruit	-	-	-
Tree	Kiker	<i>Acacia nilotica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Tree	Safeda	<i>Eucalyptus</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Tree	Neem	<i>Azadirachata indica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Climber	Amar bel	<i>Cuscuta reflexa</i>	Climber	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Grass	Doob grass	<i>Cynadon dactylon</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Shurb	Dhatura	<i>Datura stramonium</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Shurb	Arnid	<i>Ricinus communis</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-

Climber	Giloe	<i>Tinospora cordifolia</i>	Climber	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Shurb	Bana	<i>Vitex negundo</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Tree	Bel	<i>Aegle marmelos</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Shurb	Daduni	<i>Punica granatum</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Tree	Rumbal	<i>Ficus glomerata</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Tree	Fagora	<i>Ficus palmata</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Grass	Nad	<i>Arundo donax</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Grass	Khar	<i>Saccharum munjo</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Shurb	Drenkeri	<i>Murraya koenigii</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Herb	Congress grass	<i>Parthenium hysterophorus</i>	Herb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-
Herb	Chaleri saag	<i>Amaranthus viridis</i>	Herb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	-

**Format 19: Wild Plant Species of Importance**

1	2	3	4	5	6
SI.No	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Kanner/Lal Gandila	<i>Nerium indicum</i>	Shrub	Aesthetic	Good
2	Daduni	<i>Punica granatum</i>	Shrub	Live Hedge fencing	Good
3	Brenkar	<i>Adhatoda vasica</i>	Shrub	Medicinal	Good
4	Aak	<i>Calotropis gigantea</i>	Shrub	Medicinal	Good
5	Arnid	<i>Ricinus cuminus</i>	Shrub	Medicinal	Good
6	Bana	<i>Vitex negundo</i>	Shrub	Medicinal	Good
7	Bhang	<i>Cannabis sativa</i>	Shrub	Medicinal	Good
8	Thor	<i>Euphorbia royleana</i>	Shrub	Live Hedge fencing	Good
9	Jojra	<i>Pupalia lappacea</i>	Shrub	Medicinal	Good
10	Aakh	<i>Ipomea carnea</i>	Shrub	Soil binder	Good
11	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</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 longh wioth 17-22 branched rays and a strong toothed spine in front, pharyngeal teeth 5:5 teeth with flattened crowns.		Good	Good				
Broun 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</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 ata 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 wate. 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 abudnat quantities of water, iron, vitaminC, 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	Amla	<i>Emblica officinalis</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Krangal	<i>Cassia fistula</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Pod	-	-
Tree	Jamun	<i>Syzygium cumini</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Ber	<i>Ziziphus jujuba</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Kikar	<i>Acacia nilotica</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Bark & Pods	-	-
Tree	Dhrenk	<i>Melia azadiarach</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Seeds & Leaves	-	-
Tree	Neem	<i>Azadirachata indica</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-	-
Grass	Doob grass	<i>Cynadon dactylon</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-	-
Shurb	Dhatura	<i>Datura stramonium</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Shurb	Arnid	<i>Ricinus communis</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Oil	-	-
Climber	Giloe	<i>Tinospora cordifolia</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Stem	-	-
Shurb	Bana	<i>Vitex negundo</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-	-



**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>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	-
Ber	<i>Ziziphus jujuba</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Safeda	<i>Eucalyptus tereticornis</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Aam	<i>Mangifera indica</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	-
Kikar	<i>Acacia nilotica</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	-
Dherenk	<i>Melia azadirach</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tut	<i>Morus alba</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Jamun	<i>Syzygium cumini</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Dhaman	<i>Grewia optiva</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Simbal	<i>Bombax ceiba</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	-





**Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others)**

1	2	3	4	5	6	7		8	9	10	11
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local status		Uses ,if any	Associated TK	Other Details	Community Knowledge Holder
						Past	Present				
Wild Animal	Squirrels	<i>Sciuridae</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Pig	<i>Suidae</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Jackal	<i>Canis aureus</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Rose ringed parakeet	<i>Psittaculidae</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Mongoose	<i>Herpestes spp.</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Sparow	<i>Passer domesticus</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Crow	<i>Corvus splendens</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Pigeon	<i>Columba livia</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Bee	<i>Apis cerana indica</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Butterfly	<i>Rhopalocera spp.</i>	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Frog	<i>Anura spp.</i>	Farmland	-	-	Good	Good	-	-	-	-







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

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

*End of Part II*