

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Chilla

Taluk: Nagrota

District:Jammu

State/UT: J&K

Geographical Area of the Panchayat Samiti: 962.4 Hect

Population under the Panchayat Samiti: 1800

Male: 990 **Female :** 810

Habitat and Topography: hilly

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

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

Date, Month and Year of PBR Preparation: 26 june 2022

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

Annexure 1

Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by the local body ; not less than one third to be women and not less than 18% belonging to SC/ST)

1)Name of the Chairperson: Krishan Singh

Age: 70 years

Gender: Male

Address: R/o. Chilla

Area of specialization:

2) Name: Kanta Devi

Age:55 years

Gender: Female

Address: R/o. Chilla

Area of specialization:

3)Name: Darshana Devi

Age: 56 years

Gender: Female

Address: R/o. Chilla

Area of specialization:

4)Name:Parkash

Age: 65 years

Gender: Male

Address: R/o. Village Chalini

Area of specialization:

5)Name: Ramesh Singh

Age: 43 Years

Gender:Male

Address: R/o. Village Chalini

Area of specialization:

6)Name: Puran Singh

Age: 61 Yr

Gender: Male

Address:R/o. Chilla

Area of specialization:

7)Name: Jasveer sharma

Age: 31

Gender: Male

Address: aithem

Area of specialization: Panchayat Secretary

Annexure-2

List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and on biological resources occurring within the jurisdiction of the village

1) Name : Tara Chand

Age: 80 years

Gender: Male

Address: Chak Chilla

Area of specialization: General

Location from which the person accesses biological material: Local Forest

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name: Ganju ram

Age: 74

Gender: male

Address: chilla

Area of specialization: skin infection

Location from which the person accesses biological material: local forest

Perception of the practitioner on the resource status: satisfactory

Medicinal Use:

3) Name: shankar das

Age: 72

Gender: male

Address: chilla

Area of specialization: vaid

Location from which the person accesses biological material: forest

Perception of the practitioner on the resource status: satisfactory

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:** Munshi Ram

Age: 70 yrs

Gender: Male

Address : Chilla W.No. 1

Area of specialization: Agriculture Activities

2) **Name of the Chairperson:** Karan singh

Age: 40

Gender: male

Address: chilla

Area of specialization: fisheries

3) **Name of the Chairperson:** Shafi mohd

Age: 58

Gender: Male

Address: chilla

Area of specialization: forestry

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: Agricultural deptt

Name and Address: Ramesh singh

2) Contact Person: livestock

Name and Address: Yousaf ali

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
1	Nil	Nil	Nil	Nil	Nil

Part II
PBR – Formats
AGROBIODIVERSITY
Format 1: Crop Plants

1	2	3	4	5	6	7		8	9	10	11	12	13	14
Crop	Scientific Name	Local Name	Variety	Landscape / Habitat	Approx. area shown	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/ Plants	Community/ Knowledge Holder
						Past	Present							
Maize	<i>Zea mays</i>	Maka	Dekalb double	Sub tropical / Upland		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	Average tall with yellow in colour						
			Ujala			Normal	Plenty							
			K-612			Plenty	Normal							
			Pro Agro-4794			Plenty	Normal	Tall, high yielding with yellow in colour)						

Sesame	<i>Sesamum indicum</i>	Til	Punjab Til No.1/local	Warm / Humid of Sub tropical region		Plenty	average	Medium Yielding	June - Oct.	Source of Vegetable oil	Religiuos and medicinal value	Food	Farmers / Department/ Privaate Suppliers	Farmers
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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, Dushari , Malta	Plains	Plenty	Plenty	Nurseries	June- August		Fruit,Picking, Preserves	Marketing, own use	department of horticulture and local farmers
Citrus Fruits	<i>Citrus spp</i>	Khatti, Mosambi, santra, Nimbu,	Local,Kagzi lime, Italian limeHill lemon etc	Plains,mid hills	Plenty	Plenty	Nurseries	throughout year		Fruit, picking Squashes etc.	Marketing, own use	department of horticulture and local farmers
Strawberry	<i>Fragaria x ananassa Duch</i>	Strawberry	chandler	Plains mid hills	Rare	Rare	Nurseries	March-April		Fruit	Marketing	department of horticulture and local farmers
Guava	<i>Psidium guajava</i>	Amrood	Local, Allahabadi, Safaida	Plains lower hills	Plenty	Plenty	Nurseries	June- August		Fruit	Marketing, own use	department of horticulture and local farmers
Papaya	<i>Carica papaya</i>	Papita	Local	Plains	Rare	Rare	Nurseries, locally raised	August-October		Fruit	own use	department of horticulture and local farmers

Amla	<i>Emblica officinalis</i> Syn <i>Phyllanthus emblica</i>	Ambla	local selection NA-7	Plains mid hills	Plenty	Plenty	Nurseries local collection	Nov- Dec.		Picking, fruit juices	Marketing, own use	department of horticulture and local farmers
Ber	<i>Ziayphus mauritiana lamk</i>	Ber	Gola Banarasi	Plains	Plenty	rare	local raised	July- August		Fruit	Own use	department of horticulture and local farmers
Jamun	<i>Syzygium cumini skeels</i>	Jamun	local selection	Plains	rare	rare	Nurseries, local raised	July- August		Fruit	Own use	department of horticulture and local farmers
Karonda	<i>Carissa carandas</i>	Gernay	Local	Plains/hills	plenty	plenty	Nurseries, wild	June-August		Fruit	Marketing,own use	department of horticulture and local farmers
Peach	<i>Prunus persica (L) Batsch</i>	Aaroo	July Elberta, quetta	Plains mid hills	Rare	Plenty	Nurseries	June-July		Fruit	Marketing, own use	department of horticulture and local farmers

Format-4 : Weeds

1	2	3	4	5	6	7		8	9	10	11	12
Plant	Scientific Name	Local Name	Affected Crop	Impact	Landscape /Habitat	Local Status		Uses if any	Management Options	Associated TK	Other Details like exotic	Community / Knowledge Holder
						Past	Present					
Lamb's quarters	<i>Chenopodium album</i>	Bathua/Kanah/ 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
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
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	nil	Farmers
Bang	<i>Cannabis indica</i>	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
Dub Grass	<i>Cynodon dactylon</i>	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. Land	Farmers
Jhonson Grass	<i>Sorghum helepense</i>	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Rare	Fodder	Physical, Mechanical, Chemical	nil	Nutrativ Fodder for Animals	Farmers

False amaranath	<i>Digera arvensis</i>	tandla	maize	Annual	Agri. Land	Abudant	Abudant	medicinal use	Physical, Mechanical, Chemical	medicinal use lik	Agri. Land	Farmers
Barnyard Grass	<i>Echinochloa crusgalli</i>	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers

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
Mango	Insects	Amritous atkinsoni/Drosicha Magiferae	Tella, Mealey Bug	Field/Orchard	Feb-April/Feb Onward	Pesticide Pruning/Pesticide, Basin Making	Discourage HDP/Handpicking strickly band	Major threats	general public/ Farmers
Citus	Insects	Paapilio lemoteus/Euodocina fullonia	Catepillar, Sucking moth	Orchard	April-may & Aug Oct/Maturity stage	Pesticides, other cultural method/Pesticides orchard sanitization	Hand pcking/Smoking bagging dispose off	Major threats	general public/ Farmers
Litchi	Insects	Gatesclarkeama erotias	Fruit nut birer	Orchard/Fied	At pea stage	Pesticides basin making ploughing		Major threats	general public/ Farmers
Guava	Insects	Bactrocera Dorsalis	Fruit fly	Orchard/Fied	Maturity stage	Pesticides , fruit fly trape		Major threats	general public/ Farmers
Aonla	Insects		Gall Maker	Orchard/Fied	Feb onward	Pesticides pruning	Destroy infected shoots	Major threats	general public/ Farmers
Field rats	<i>mammal</i>	<i>Ratus meltada</i>	Chouha	Attacks all crops	Throughout the year	Mechanical& Chemical measures	-	Lives in burrows opening hidden in bushes	Farmers

Monkey	<i>mammal</i>	<i>Rhesus macaque</i>	Bander	Forest & human habitat	Throughout the year	Traps & chemosterlization	-	Cause extensive damage to almost all crops,attacks humans	general public/ Farmers
Grasshopper	<i>insect</i>	<i>Hygro blasses Negro / Hieroglyphus nigropletus</i>	Tidi	Maize, Paddy, Jojr Bajra	July to sept	Mechanical& Chemical measures	-	Eats leaves	Farmers
Army worm	<i>insect</i>	<i>Spodoptera Frugiperda</i>	tokka	Defoliaties Major crops	Through the year	Mechanical& Chemical measures	-	Defoliates all crops	Farmers
Leaf Floder	<i>insect</i>	<i>Cnaphalocrocis meddialis</i>	Ctter Pillers	Attacts on Paddy Leaves	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
Maize stem Borer	<i>insect</i>	<i>Chilo partellus</i>	Sundi /Tana-shedak	Attacks Maize, sorghum , Bajra & sugarcane	July to sept	Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers
Wheat	<i>insect</i>	Termites	<i>Odontotermis</i>	Polyphagous/ sandy and loamy soils	Kharif	Field sanitisation and continuous removal and destruction of infected plants	NA	NA	general public/ Farmers
Cut worm	<i>insect</i>	<i>Agrotis ipsilon</i>	Ludi	Wheat sorguham maize and other	Throughout the year	Mechanical& Chemical measures	-	Major threats	Farmers
Cucurbits fruit fly	<i>insect</i>	<i>Bactrocera cucurbitae</i>	Melon fly	Attacks Pumpkin, cucumber & gourds	Throughout the year	Mechanical & Chemical, Pheronon trap	-	Danger to all cucumber crops	Farmers

Cereal leaf Beetle	<i>insect</i>	<i>Oulma melanopus</i>		Attacks Maize	Aug-Sep	Chemical measures	-	Most recent occurrence	Farmers
Termite	<i>insect</i>	<i>Microtermis obesi/ Odontoremes obesus</i>	Telle	Wheat & other crops	Nov-May	Cultural & Chemical measures	-	Major threat to unirrigated crops	Farmers
Mustard aphid	<i>insect</i>	<i>Lipaphis erysimi</i>	Aphid	Attacks mustard & other cucurbit crops	Dec-March	Timely sowing of crop & Chemical, Biological & Mechanical	-	Major threat to oil seed crops of Rabi	Farmers

Format 11: Fruit Trees				DOMESTICATED BIODIVERSITY								
1	2	3	4		7		8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape /Habitat	Local Status		Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
Mango	Aam	Mangifera indica	Desi, Dushari , Malta	Plains	Plenty	Plenty	Nurseries	June- August		Fruit,Picking, Preserves	Marketing, own use	
Citrus Fruits	Khatti, Mosambi, santra, Nimbu,	Citrus spp	Local,Kagzi lime, Italian limeHill lemon etc	Plains,mid hills	Plenty	Plenty	Nurseries	Throughout year		Fruit, picking Squashes etc.	Marketing, own use	
Peach	Aaroo	Prunus persica (L) Batsch	July Elberta, quetta	Plains mid hills	Rare	Plenty	Nurseries	June-July		Fruit	Marketing, own use	
Guava	Amrood	Psidium guajava	Local, Allahabadi, Safaida	Plains lower hills	Plenty	Plenty	Nurseries	June- August		Fruit	Marketing, own use	
Strawberry	Strawberry	Fragaria x ananassa Duch	chandler	Plains mid hills	Rare	Rare	Nurseries	March-April		Fruit	Marketing	
Amla	Ambla	Emblica officinalis Syn Phyllanthus emblica	local selection NA-7	Plains mid hills	Plenty	Plenty	Nurseries local collection	Nov- Dec.		Picking, fruit juices	Marketing, own use	

Format 12: Medicinal Plants (Herbs, Shrubs, Trees etc.)

1	2	3	4	5	6	7		8	9	10	11	12
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of plant/seeds	Local status		Uses (usage)	Part used	Associated TK	Other details market/own use	Community/ Know. Holders
						Past	Present					
Herbs	Jungli putna	Mentha arvensis		Lower Shiwalik/Temp crate area	Stem/Seed	Abundant	Abundant	Medicinal	Leaves	N.A	N.A	Generally held by community
Herbs	Bhang	Canabis sativa		Lower Shiwalik	Seed	Abundant	Abundant	Medicinal	Leaves	treatment of pain , loss of appetite	N.A	Generally held by community
Herbs	Drainked	Murraya konegii		Sub-Tropical area	Seed	Rare	medicinal & spice	Medicinal	Leaves	treatment of piles, dysentery etc	N.A	Generally held by community
Tree	Draink	Melia azadirach		Lower shiwalik	Seed	Abundant	medicinal & spice	Medicinal	Leaves	acne , burns, pediculosis etc	N.A	Generally held by community
Tree	Tali	Dalbergia sissoo		Lower shiwalik	Seed	Abundant	medicinal & spice	Timber & Fodder	Stem	N.A	N.A	Generally held by community
Tree	Jamun	Syzygium cumini		Lower shiwalik	Seed	Abundant	Abundant	Medicinal	Leaves/Fruit	treatment of sore , asthma, ulcers	N.A	Generally held by community

Shrubs	Trimuru	<i>Zanthoxylum armatum</i>		Lower shiwalik	Lower shiwalik	Rare	Rare	medicinal use	seeds/fruit	indigestion , varicose vein	own use	Generally, held by community
Shrubs	brankad	<i>Adhatoda vesica</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	Leaves	anti bleeding ,anti diabetic, anti jaundice etc	N.A	Generally, held by community
Shrubs	Dussa	<i>Colebrookia oppositifolia</i>		Lower shiwalik	Lower shiwalik	Rare	Rare	medicinal use and fodder	roots , leaves		N.A	Generally, held by community
Shrubs	Thor/Shuu	<i>Euphorbia royleana</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	leaves and stem		N.A	Generally, held by community
Shrubs	Bareyan	<i>Acorus calamus</i>		Lower shiwalik	Lower shiwalik	Rare	Rare	medicinal use	rhizome	used to treat stomach cramps, asthma	N.A	Generally, held by community
Shrubs	Bhang	<i>Canabis sativa</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	leaves and stem		N.A	Generally, held by community
Tree	Amla	<i>Phyllanthus emblica</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	fruit		N.A	Generally, held by community
Tree	Bair	<i>Ziziphus xylocarpa</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	fruit		N.A	Generally, held by community
Tree	Bheda	<i>Terminalia bellerica</i>		Lower shiwalik	Lower shiwalik	Rare	Abundant	medicinal use	fruit	treat liver problems , cough and cold etc	N.A	Generally, held by community
Tree	Bill-Patre	<i>Aegle mermelos</i>		Sub-Tropical area	Sub-Tropical area	Abundant	Abundant	medicinal use	leaves		N.A	Generally, held by community

Tree	Harad	<i>Terminalia chebula</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	fruit leaves, bark	inc appetite , liver problems etc	N.A	Generally, held by community
Tree	Kakad-Singhi	<i>Pistacia khinjuk</i>		Lower shiwalik	Lower shiwalik	Rare	Rare	medicinal use	leaves, root, fruit , flower	respiratory disorders, liver urinary tract	N.A	Generally, held by community
Tree	Karal	<i>Bauhinia variegata</i>		Lower shiwalik	Lower shiwalik	Rare	Rare	medicinal use	use as a pickle and spices		N.A	Generally, held by community
Tree	Khair	<i>Acacia catechu</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	leaves shoot and wood		N.A	Generally, held by community
Tree	Kringal	<i>Casia fistula</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	root/ leaves		N.A	Generally, held by community
Tree	Lusada	<i>Cordia dichotoma</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use , pickle	Seed		N.A	Generally, held by community
Tree	Mangoo	<i>Mangifera indica</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	fruit	fruit		N.A	Generally, held by community
Tree	Retha	<i>Sapindus mukorossii</i>		Lower shiwalik	Lower shiwalik	Rare	Rare	medicinal use	seeds/fruit	various cleansing properties	N.A	Generally, held by community
Tree	Rumbal	<i>Ficus racemosa</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	fruit		N.A	Generally, held by community
Tree	Sree	<i>Albizzia lebbeck</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	Seed	leaves and bark and seeds	jaundice treatment, skin problems etc	Generally, held by community

Tree	Talli	<i>Dalbergia sissoo</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use use as fodder	Seed/ bark		N.A	Generally, held by community
Tree	Trimbal	<i>Ficus auriculata</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	Seed		N.A	Generally, held by community
Tree	Tuni	<i>Toona ciliata</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	Seed	use in mentural disorders ,feve r	N.A	Generally, held by community
Tree	Arjun	<i>Terminalia arjuna</i>		Lower shiwalik	Lower shiwalik	Rare	Rare	medicinal use	leaves and fruit		N.A	Generally, held by community
tree	Khair	<i>Accacia catechu</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	Seed		N.A	Generally, held by community
Tree	Neem	<i>Azadiracta indica</i>		Lower shiwalik	Lower shiwalik	Abundant	Abundant	medicinal use	leaves and bark		N.A	Generally, held by community
Climber	Giloe	<i>Tinospora cordifolia</i>		Farmlands & Urban areas	seed	Moderate	average	medicinal use	leaves stem		eye disorder, jaundice	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/ Knowledge holder
Tree	Krangal	Casia fistla		Seed	Non-Commercial	NA	NA	NA	Genrally held by community
Tree	Satpati	Alstonia scholaris		Seed	Non-Commercial	NA	NA	NA	Genrally held by community
Tree	Bittle brush	Callistemom citirius		Seed	Non-Commercial	NA	NA	NA	Genrally held by community
Climber	Kareer	<i>Rosa acicularis</i>	-	Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Bougainvillea	Bougainvillea glabra		Seed	non commercial,commercial	ornamental			Self observed
Tree	Gulmohar	<i>Delonix regia</i>		Seed	non commercial	ornamental			Self observed
Shrub	Gandila	<i>Nerium indicum</i>		Seed	non commercial	ental and medicinal use-			Self observed
Shrub	Panjtara	<i>Tara spinosa</i>		Seed	non commercial	ental and medicinal use-			Self observed

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					
Tree	Kiker	<i>Vachellia nilotica</i>	Lower shiwalik	Rare	Rare	Wild	Own	Nil	furniture and firewood	Generally, held by community
Tree	Mangoo	<i>Mangifera indica</i>	Lower shiwalik	Abundant	Abundant	Wild/ home- garden	Own	Nil	fruit ,furniture and firewood	Generally, held by community
Tree	Safeda	<i>Eucalyptus spp.</i>	Lower shiwalik	Rare	Abundant	Wild	Commercial	Nil	furniture and firewood	Generally, held by community
Tree	Sree	<i>Albizzia lebbeck</i>	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	furniture and firewood	Generally, held by community
Tree	Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	furniture and firewood	Generally, held by community
Tree	Tuni	<i>Toona ciliata</i>	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	furniture and firewood	Generally, held by community
Tree	Popular	<i>Populus ciliata</i>	Lower shiwalik	Rare	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Chir	<i>Pinus roxburhii</i>	Lower shiwalik	Rare	Rare	Wild	Own	Nil	furniture and firewood	Generally, held by community

Tree	Jammun	<i>Syzygium cumini</i>	Lower shiwalik	Rare	Abundant	Wild	Own	Nil	furniture and firewood	Generally, held by community
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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
Cattle	Gau	<i>Bos indicus</i>	ND	Low yield	stall feeding	Abundant	Decrease	Dairy	Nil	No	Milk	All
	Jersey Gau	<i>Bos taurus</i>	CB Jersey	Dished face	stall feeding / semi intensive	Very few	Increase	Dairy	Nil	yes	Milk	All

	Amrecan Gau	<i>Bos taurus</i>	CB HF	Black and white spot	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Buffalo	Manj	<i>Bubalus bubalis</i>	Local	Low yield	stall feeding	Abundant	Decreased	Dairy	Nil	No	Milk	All
	Punjabi Mais	<i>Bubalus bubalis</i>	Murrah /Graded	Black color body	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Horse	ghoda	<i>Equus caballus</i>	Local	Red color body	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All
birds	Chakore	<i>Alectoris chukar</i>	Local	black and white stripes ,beak is short, strong, and orange in color	Backyard	few	Decrease	Egg,meat	Nil	Yes	Egg, Meat	All
	Parrot	<i>Psittaciformes</i>	Local	parrot green in colour with red beak	Backyard	few	Decrease	decorative	Nil	No	Nil	All
	Pigeon	<i>Columbidae</i>	Local	white color , fast growing	Backyard	few	Decrease	decorative	Nil	No	nil	All
Dog	Kutta	<i>canis families</i>	Local	Nil	Pet ,Stray	Abundant	Abundant	Nil	Nil	No	Nil	All / stray
Cat	Billi	<i>felis catus</i>	Local	Grey /white color	Pet ,Stray	Abundant	Abundant	pet	Nil	No	Nil	All / stray
Rabbit	Khargosh	<i>Oryctolagus cuniculus</i>	White gaint	white	Pet ,wild	few	few	Pet	Nil	No	Nil	All / wild

Elephant	Haathi	<i>Loxodonta</i>	Asian elephant	Grey in colour	Pet ,wild	few	few	religious faith	Nil	No	Nil	All
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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					
	Mrigal	Cirrhinus cirrhosus	local	dark grey or black in colour, upper lip is curved	ponds, stream, river	abundant	abundant	high protein value		Commercial		local people
	common carp	Cyprinus carpio	local	strongly serrated spines, thick lips, colour varies	ponds, stream, river	abundant	abundant	vitamin A,D,E		Commercial		local people

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

WILD BIODIVERSITY
Format 18: Trees, Shrubs, Herbs, Tubers, Grasses, Climbers etc.

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Amla	<i>Emblica officinalis</i>	Tree	Northern/ Sub-Tropical	Good	Modertae	Commercial/Own use	Fruit	Food processing		
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Northern/ Sub-Tropical	Good	Modertae	Commercial/Own use	Timber/ Firewood			
Tree	Amb	<i>Mangifera indica</i>	Tree	Northern/ Sub-Tropical	Good	Modertae	Commercial/Own use	Fruit			
Tree	Safeda	<i>Eucalyptus</i>	Tree	Northern/ Sub-Tropical	Good	Modertae	Commercial/Own use	Fruit			
Tree	Siris	<i>Albizzia lebeck</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	whole plant	-	-	Generally held by community
Tree	Chir	<i>Pinus roxburghii</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ whole plant /Firewood	Resin	-	Generally held by community
Tree	Lecunia	<i>Leucaena leucocephala</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	leaves /seeds / timber	-	-	Generally held by community

Tree	Simbal	<i>Bombax cecilia</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	fruit /timer Firewood	-	-	Generally held by community
Tree	Kamila	<i>Mallotus philippensis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	leaves ,roots,	-	-	Generally held by community
Tree	Krangal	<i>Cassia fistula</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	roots, fruit leaves etc	-	-	Generally held by community
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Fruit	-	-	Generally held by community
Tree	Plash	<i>Butea monosperma</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Timber/ Firewood	-	-	Generally held by community
Tree	Shisham	<i>Dalbergia sisoo</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ use	own	Stem, Timber	-	-	Generally held by community
Tree	Khair	<i>Acacia catechu</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Timber/ Firewood	Katha	-	Generally held by community
Tree	Santha	<i>Dodonaea viscosa</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Timber/ Firewood	-	-	Generally held by community
Tree	Kiker	<i>Acacia nilotica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Timber/ Firewood	-	-	Generally held by community
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Timber/ Firewood	-	-	Generally held by community

Tree	Sagwan	<i>Tectona grandis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Timber/ Firewood	-	-	Generally held by community
Tree	Bel	<i>Aegle marmelos</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Leaves/ Fruit	-	-	Generally held by community
Tree	kakoa	<i>Flacourtia indica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Fruit	-	-	Generally held by community
Grass	Bamboo	<i>Dendrocalamus strictus</i>	Grass	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Sticks	-	-	Generally held by community
Herbs	Bhang	<i>Cannabis sativa</i>	herbs	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Leaves	-	-	Generally held by community
Shrub	Jojra	<i>Pupalia lappacea</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Leaves	-	-	Generally held by community
Shrub	Garna	<i>Carissa spinarum</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Fruit	-	-	Generally held by community
Shrub	Panjphuli	<i>Lantana camara</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	whole plant	-	-	Generally held by community
Shrub	Gandila	<i>Nerium indicum</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	Flower	-	-	Generally held by community
Shrub	Pansar	<i>Wendlandia heynei</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/ use	own	leaves	-	-	Generally held by community

Herbs	congress Grass	<i>Parthenium hysterophrous</i>	herbs	Northern/Sub-Tropical	Good	Moderate	-	whole plant	-	-	Generally held by community
Tree	Badh	<i>Ficus religiosa</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/Firewood	-	-	Generally held by community
Tree	Phulai	<i>Acacia modesta</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	whole plant	-	-	Generally held by community
Climber	Tarad	<i>Dioscorea belophylla</i>	Climber	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Roots			Generally held by community
Climber	Jungli bitter melon	<i>Momordica charantia</i>	Climber	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit			Generally held by community
Climber	Striped cucumber	<i>Diplocyclos palmatus</i>	Climber	Northern/Sub-Tropical	Good	Moderate	-				Generally held by community
Herb	Chaleri saag	<i>Amaranthus viridis</i>	Herb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	leaves	vegetable	-	Generally held by community
Climber	Giloe	<i>Tinospora cordifolia</i>	Climber	Farmlands & Urban areas	Good	Moderate	Commercial/own use	fruit, roots	Timber/ medicinal use Firewood		Generally held by community

Format 19: Wild Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Santha	Dodonaea viscosa	Shrub	Firewood/ broom making	Good
2	Kanner/Lal Gandila	Nerium indicum	Shrub	Medicinal	Good
3	Daduni	Punica granatum	Shrub	Live hedge fencing	Good
4	Bankhar	Adhatoda vasica	Shrub	Medicinal	Good
5	Aakh	<i>Ipomea carnea</i>	Shrub	Soil binder, medicinal use	Good
6	Bhang	<i>Cannabis sativa</i>	Shrub	Medicinal	Good
7	Pansar	<i>Wendlandia heynei</i>	Shrub	Firewood	Good
8	Bill-Patre	<i>Aegle mermelos</i>	Shrub	Medicinal	Abundant
9	Rumbal	<i>Ficus racemosa</i>	tree	Medicinal	Abundant

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic,social,cultural etc.)	Trends
1	Lunak	Portulaca oleracea	local	antioxidant value and various medicinal uses	abundant
2	Rumbal	<i>Ficus racemosa</i>	local	fruit	Abundant

Format 22: Wild Plants of Medicinal Importance

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Status		Associated TK	Uses (usage)	Part used	Other details market/ own use	Community/ Knowledge Holder
					Past	Present					
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Northern/Sub-Tropical	Good		--	Medicinal	Bark		
Tree	Amla	<i>Emblica officinalis</i>	Tree	Northern/Sub-Tropical	Good		--	Medicinal	Bark		
Tree	Harad	<i>Terminalia chebula</i>	Tree	Northern/Sub-Tropical	Good		--	Medicinal	Bark		
Tree	Behra	<i>Terminalia bellirica</i>	Tree	Northern/Sub-Tropical	Good		--	Medicinal	Bark		
Tree	Sukchain	<i>Pongamia pinnata</i>	Tree	Northern/Sub-Tropical	Good		--	Medicinal	Bark		

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	Part used	Ass.TK	Other details	Community knowledge holder
					Past	Present					
Herb	wild Tulsi	<i>Ocimum sanctum</i>	local	Moist soil	Abudant	Abudant	Medicinal	Leaves	-	NA	local farmers
Herb	Ajwain	<i>Trachyspermu mammi</i>	Forest	Temperate	Available	Available	Cooking	Seeds	treat digestive problems	NA	local farmers
Herb	Methi	<i>Treionellafoenum graceum</i>	Annual plant	temperate regions /homegardens	plenty	average	used in stomach troubles and anaemia	leaves and seeds	cooking	NA	local farmers
Herb	saunf	<i>Foeniculumvulga</i>	Herbaceous perennial	temperate regions /homegardens	plenty	average	used as a spice and some other medicinal uses	saunf	cooking and chewing	NA	local farmers
Herb	Haldi	<i>Corcuma domestica</i>	Herbaceous perennial	Farm lands	good	Abundant	Spice	roots	Nil	Nil	local farmers
Herb	Ginger	<i>Zingiber officinale</i>	Herbaceous perennial	Farm lands	good	Abundant	Spice	roots	Nil	Nil	local farmers

Herb	Pudina	<i>Mentha spp.</i>	local	Homestead, agricultural land	Abudant	Abudant	Spice	Leaves	used with vinegar remove dandruff	NA	local farmers
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Format 26: Timber Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Habitat	Local	Other uses, if any	Associated Tk	Any other detail	Community knowledge holder
Chir	<i>Pinus roxburghii</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Forestry,local people
Shisham	<i>Dalbergia sissoo</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Forestry,local people
Ber	<i>Ziziphus jujuba</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Forestry,local people
Sagwan	<i>Tectona grandis</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Forestry,local people
Safeda	<i>Eucalyptus</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Forestry,local people
Simbal	<i>Bombax ceiba</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Forestry,local people
Tunu	<i>Toona ciliata</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Forestry,local people

Jamun	<i>Syzygium cumini</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Forestry,local people
Mango	<i>Mangifera indica</i>	Northern/Sub-Tropical	Abundant	Abundant	Commercial/ own use	Timber/ Firewood	Forestry,local people
Kiker	<i>Vachellia nilotica</i>	Northern/Sub-Tropical	Rare	Rare	Commercial/ own use	Timber/ Firewood	Generally, held by community
Popular	<i>Populus ciliata</i>	Northern/Sub-Tropical	Rare	Abundant	Commercial/ own use	Timber/ Firewood	Forestry,local people

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

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						Past	Present					
Wild animal	Leopad	<i>Panthera pardus</i>	Northern/Sub-Tropical	--	--	Good	Average			prohibited	endangered	
Wild animal	Squirrela	Sciuridae	Northern/Sub-Tropical	--	--	Good	Good			Weapon		
Wild animal	Pig	Suidae	Northern/Sub-Tropical	--	--	Good	Good			Weapon		
Wild animal	Jackal	<i>Canis aureus</i>	Northern/Sub-Tropical	--	--	Good	Good			Weapon		
Wild Animal	Monkey	<i>Cercopithecidae</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	weapon or stick		nil
Wild Bird	Red jungle fowl	<i>Gallus gallus</i>	Northern/ Sub-Tropical	-	-	Good	Good	and nutritional va	-	-		nil
Wild bird	Rose ringed parakeet	<i>Psittaculidae</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-		nil
Wild Animal	Boar	<i>Sus scofra</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-		nil

Wild Animal	Indian Hare	<i>lepus nigricollis</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-		nil
Wild bird	Kalij pheasant	<i>ophura leucomelan</i>	Northern/ Sub-Tropical			good	average			prohibited		

Format 29: Flora				URBAN BIODIVERSITY		
1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	Kikar	Acacia nilotica	Broad leaved	Sub-Tropical	Summer	Common
2	Mango	Mangifera indica	Broad leaved	Sub-Tropical	Summer	Common
3	Safeda	Eucalyptus sapp.	Broad leaved	Sub-Tropical	Summer	Common
4	Sree	Albizzia lebbeck	Broad leaved	Sub-Tropical	Summer	Common
5	Talli	Dalbergia sissoo	Broad leaved	Sub-Tropical	Summer	Common

Format 30: Fauna

1	2	3	4	5	6
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
1	Cow	Bos taurus	Mammals	Terrestrial	Common
2	Buffalow	Bubalus bubalis	Mammals	Terrestrial	Common
3	Sheep	Ovis aries	Mammals	Terrestrial	Common
4	Goat	Capra aegagrus	Mammals	Terrestrial	Common
5	Sparow	Passer domesticus	Birds	Terrestrial	Common
6	Crow	Corvus splendens	Birds	Terrestrial	Common
7	Pigon	Columba livia	Birds	Terrestrial	Common
8	Peacock	Pavo cristatus	Birds	Terrestrial	Common
9	Ant	Tapinoma sessile	Insects	Terrestrial	Common
10	Bee	Apis cerana indica	Insects	Terrestrial	Common

Format 31: Any other information of local importance

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