People Biodiversity Register (PBR): General Details
Name of the Panchayat Samiti: Chak Surjan
Taluk: Duggan
District: Kathua
State: Jammu and Kashmir
Geographical Area of the Panchayat Samiti:
Population under the Panchayat Samiti: Total 1675
Male 950 Female 725
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: 26/10/2020
Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

Annexure 1

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

1)Name of the Chairperson: Hans Raj (Sarpanch) (Mobile: 9796015261)

Age: 55 Years

Gender: Male

Address: Chak Surjan ward no 6

Area of specialization:

2) Name: Payer Singh (Mobile: 9797501507

Age: 30 Years
Gender: Male

Address: Chak Surjan ward no-5

Area of specialization:

3)Name: Neelam Devi (Mobile: 9858936392)

Age: 43 Years
Gender: Female

Address: Chak Surjan ward no-5

Area of specialization:

4)Name: Raj Kumar (Mobile: 9906944840)

Age: 24 Years
Gender: Male

Address: Chak Surjan ward no-5

Area of specialization:

5)Name: Ali Mohd

Age: 57 Years
Gender: Male

Address: Chak Surjan ward no-6

Area of specialization:

6)Name: Kulbushan Singh (Mobile: 8492886892)

Age: 38 Years
Gender: Male

Address: Chak Surjan ward no-9

Area of specialization:

7)Name: Karm Chand

Age: 35 Years
Gender: Male

Address: Chak Surjan ward no-5

Area of specialization:

8) Name: Dev Raj (Panchayat secretary) (Mobile:9906196210)

Age: 57 Years
Gender: Male

Address: Chak surjan

Annexure-2
List of Vaids, hakims and traditional health care (Human and livestock) practitioners residing and or using piological resources occurring within the jurisdiction of the village
) Name : Surista Devi ward no 3
Age: 42 Years
Gender: Female
Address: Chak Surjan
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:
ocation from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
S) Name:
Age:
Gender:
Address:
Area of specialization:
ocation 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 foresty
1) Name of the Chairperson: Manhor Lal
Age: 42 Years
Gender: Male
Address: Chak Surjan
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- overnmental organization and individuals involved in the preparation of the PBR
Contact Person: Chain Sing Master
Name and Address: Dhaggar Bani
Contact Person: Shadii Lal
Name and Address: Chak Surjan
Contact Person:
Name and Address:
Contact Person:
Name and Address:
ou may add names of more institutions/NGO/Individuals etc, if necessary

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Detail of	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						

Part II PBR – Formats AGROBIODIVERSITY

Format 1: Crop Plants

1	2	3	4	5	6		7	8	9	10	11	12	13	14
-	Scientific	Local		Landscape	Approx.	Local Status		Special	Cropping		Associated		Source of	Community/
Crop	Name	Name	Variety	/ Habitat	area shown	Past	Present	features	season	Uses	TK	Other details	Seeds/Plants	Knowledge Holder
Rice	Oryza sativa		Veliyan	Lowland valleys		Plenty	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases		Food Fodder Roofing Fuel	Provides more energy	Suitable for "Valicha" cultivation		Kurichiya Kuruma W. Chetty
Mustard	Brassica	Sarsso					Abundant							
Maize	Zea mays	Makki					Abundant							
Wheat	Triticum	Kanak					Abundant							
Kadam	Neolamarckia cadamba						Rare							

The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 'other details' vary with the nature of crops. For measuring local status, there need to identify a particular year – significant changes in ecology occurred – and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation practices, propagation techniques, usage etc can be included in the column 8, in associated TK.

Format 2: Fruit Plants

1	2	3	4	5			7	8	9	11	12
Plant	Scientific Name	Local Name	Variety	Landscape /	Local	Status	Source of	Season of	Associated	Other details market /	Community /
Fiant	Scientific Name	Local Name	variety	Habitat	Past	Present	Seeds/Plants	Fruiting	TK	own use	Knowledge holder
Apple	Malus domestica	Seb	Maharaji, Golden delicious, Royal	Agri. Land	Available	Abundant	Seed/Plant	March/ July		Own use/ Market	
Peach	Prunus persica	Addo	Local, Shan e Punjab	Agri. Land	Abundant	Available	Seed/Plant	March/ July		Own use/ Market	
Pear	Pyrus communis	Nashipati/ Babugosha	Pather nakh, starkrimson	Agri. Land	Abundant	Abundant	Seed/Plant	March/ July		Own use/ Market	
Pulm	Prunus saliciana	Alu bukhara	Santa Rosa, Local	Agri. Land	Abundant	Abundant	Seed/Plant	March/ July		Own use/ Market	
Apricot	Prunus armeniaca	Cher	Wild, Charmagz	Agri. Land	Abundant	Rare	Seed/Plant	March/ July		Own use/ Market	
Almond	Amygdalus communis	Badam	California	Agri. Land	Rare	Rare	Seed/Plant	March/ July		Own use/ Market	
Walnut	Juglans regia	Akhrot	Local, Kagzi	Agri. Land	Abundant	Abundant	Seed/Plant	March/ Sept.		Own use/ Market	
Lemon	Citrus x limon	Local	Baramassi, Galgal	Agri. Land	Available	Available	Seed/Plant	March/ Sept.		Own use	
Sweet Lime	Citrus limettoides	Mithu	Local	Agri. Land	Abundant	Available	Seed/Plant	March/ Sept.		Own use	
Persimmon	Diospyrus kaki	Amlook	Fuyu	Agri. Land	Rare	Available	Seed/Plant	March/ Sept.		Own use	
Fig	Ficus carica	Fagoda	Wild	Agri. Land	Abundant	Abundant	Plants	March/ July		Own use	
Kainth	Pyrus pashia	Kainth	Wild	Agri. Land	Abundant	Abundant	Seed/Plant	March/ July		Own use	
Lime	Citrus x aurautifolia	Nimbu	Kaghzi	Agri. Land	Abundant	Available	Seed/Plant	March/ Sept.		Own use	
Strawberry	Fragaria × ananassa										

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10	
	~	Taral		Local Status			E-4-1A	D4			
Plant	Scientific Name	Local Name	Landscape / Habitat	Past	Present S	Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder	
Maize	Zea Mays	Macca	Cultivation Land			Deptt. of Agri.	Cereals	Whole Plants			
Jowar	Sorghum bicolor	Chari	Cultivation Land			Deptt. of Agri.	Fodder	Whole Plants			

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

	Format 4: Weeds												
1	2	3	4	5	6	J	7		9	10	11	12	
		Local Status											
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Past	Present	Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder	
Motha	Cyprus Rohunds	Deela	Pealdy	Pealdy	Crop Competitor	Planty			Cultural and Chemical Control		Adversly Affected Crop		
Dhoob	Cynodone	dhoob	Matze	Maize	Crop Competitor	Planty			Cultural and Chemical Control	Fodder religious uses	not control in time		

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
Grasshopper	Insect		Tidde		Charif	Pheromontrap chemical control			

Other details may include possible reasons for insects/animal attack

Format 6: Markets for Domesticated animals

1	2	3	4	5	6	7	8	9
Name of the market & location	Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]	Types of animals bought and sold [2]	Types and Average Number of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish
Market	No organised Cooling	Sheep and Goat	2	From Village of the Pyt.	Local consumption			

Note: [1] (D) – day; (M) – month; [2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

Format 7: Peoplescape

1	2	3	4	5	6	7	8	9	10	11
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs
SC=126	253						SC	Poor	Normal	253
ST=1077	Forming	forming	Land				ST	Poor	Normal	
OC=472	Agr.	Laboures	Labours				OC	Poor	Normal	

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc. Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc How the community manages the landscapes they use for satisfying different needs, their strategies and perception How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc

Format 8: Landscape

	1		2	3	4	5	6	7	8	9	10	11	12
	Landsca	1	Sub - Landscapes	Feature s and approx.	Ownership	General	General fauna	User groups	Management	General uses	Associated	Other details	Community
Agricultural land	Pond	Fallow land	Sub Landscapes	area	Ownership	flora	Generaliauna	eser groups	practices	General uses	TK	other details	accessed
Cultiv	ated Lar	nd	Small Fields	Hilly Terrian	Private Land	Grass	Goats/ Sheeps/ Cows	Local People	Local DRSM	Cultivation	N/A	Un Known	Local
Non Cul	ltivated I	Land	Meadows	Slopy	Private/Govt.	Grass	Goats/ Sheeps/ Cows	Local People	Land Bunds Plants	Grazing Purpose	N/A	Un Known	Local
Irriga	ated Land	d	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non Irr	rigated L	and	Small Fields	Hilly Terrian	Private Land	Grass	Goats/ Sheeps/ Cows	Local People	Local DRSM	Cultivation	N/A	Un Known	Local
Forest Land		Dense to open Canopy	Steep Slope	Govt.	Deodar	Lepord Deer	N/A	N/A	N/A	N/A	Un Known	Local	
Graz	zing Land	i	Meadows	Sloopy	Private/Govt.	Grass	Goats/ Sheeps/ Cows	Local People	Land Bunds Plants	Grazing Purpose	N/A	Un Known	Local

Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements

Format 9: Wat	erscape
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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	Ponds	Seasonal	Govt./ Pvt.	Algea / Barian	Frog / Toad	Cattle Drinking	Local use	Self/RDD/Forest	Cloth washing/ Animal drinking small scale irrigation			Local
Nallhas	Nallhas	Tributaries of Streams	Govt. Land	Algea	Crab, Fish, Frog, Toad	Animal drinking and Feeding Streams	Local use	Natural	Cloth washing/ Animal drinking small scale irrigation			Local
Streams	Khads Stream	Feeded by Nallah	Govt. Land	Algea	Crab, Fish, Frog, Toad	Animal drinking and Feeding Streams	Local use	Govt. Agencies	Cloth washing/ Animal drinking small scale irrigation		Feeding to Gatti Dam	Local
Natural Spring Locally Called Nadus	Direct Flow	Outcomming from Hills	Govt./ Pvt.	Fern, Grasses, Algae Weeds	Crab, Fish, Frog, Toad	Human use	Local use	Locally Managed	Human use / small irrigation			Local

Examples: Ponds, Streams, Rivers, Lake, Canal, Tubewell, Dug well etc.,

Format 10: Soil type

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable	Flora and fauna	Associated TK	Other information
Clay- Loamy Soil	Reddish /Fine	Compact Soil	Danga Work	Maize, Rajmash	Deoar, Leopard	:	
Black Soil	Black/ Coarse	Loose Containing pebbles	Danga Work	Maize, Rajmash	Deoar, Leopard		
Sandy-Loam Soil	Coarse	Loose Soil	Danga Work	Maize, Rajmash	Deoar, Leopard		

DOMESTICATED BIODIVERSITY

Format 11: FRUIT TREES

1	2	3	4	6	7	7	8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Past	Status Present	Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
Apple	Seb	Malus domestica	Maharaji, Golden delicious,	Agri. Land	Available	Abundant	Seed/Plant	March/July			Market/ Own use	
Peach	Addo	Prunus persica	Local, Shan e punjab	Agri. Land	Abundant	Available	Seed/Plant	March/July			Market/ Own use	
Pear	Nashipati/ Babugosha	Pyrus communis	Pathar nakh, Starkrimson	Agri. Land	Abundant	Abundant	Seed/Plant	March/July			Market/ Own use	
Lime	Nimbu	Citrus x aurautifolia	Kaghzi	Agri. Land	Abundant	Available	Seed/Plant	March/ Sept.			Own use	
Plum	Alu bukhara	Prunus saliciana	Santa Rosa, Local	Agri. Land	Abundant	Abundant	Seed/Plant	March/July			Market/ Own use	
Apricot	Cher	Prunus armeniaca	Wild, Charmagz	Agri. Land	Abundant	Available	Seed/Plant	March/July			Market/ Own use	
Walnut	Akhrot	Juglans regia	Local, Kagzi	Agri. Land	Abundant	Abundant	Seed/Plant	March/ Sept.			Market/ Own use	
Lemon	Local	Citrus x limon	Baramassi, Galgal	Agri. Land	Available	Available		March/ Sept.			Own use	
Almond	Badam	Amygdalus communis	Californian	Agri. Land	Available	Available	Seed/Plant	March/ July			Market/ Own use	

			Forma	nt 12: Medic	inal Plants	s (Herbs,	Shrubs,	Trees etc.)				
1	2	3	4	5	6		7	8	9	10	11	12
DI 4 T	T 137	S. J. W. N.	3 7	Landscape/	Source of	Local	status	I II ()	D (1	Associated	Other details	Community/
Plant Type	Local Name	Scientific Name	Variety	Habitat	plant/seeds	Past	Present	Uses (usage)	Part used	TK	market/own use	Know. Holders
HERBS	Saddar	Gerardinia heterophylla	Wild	Temperature	Natural	Available	Available	Digestion	Leaves		Own use	Self Observed
HERBS	Kasrod	pteridium acquilium	Wild	Temperature	Natural	Available	Available	Digestion	Tender Shoot		own use /Market	Self Observed
HERBS	Pudina	Mentha arveness	Wild	Temperature	Natural	Available	Available	species	Leaves		own use /Market	Self Observed
HERBS	Bhang	cannabis sativa	Wild	Temperature	Natural	Available	Available	Cough	Leaves		own use /Market	Self Observed
HERBS	Brahmi	centella asiatica	Wild	Temperature	Natural	Available	Available	Brain Tonic	Leaves		own use /Market	Self Observed
HERBS	Banafsha	viola biflora	Wild	Temperature	Natural	Available	Available	Medical Uses	Flowers		own use /Market	Self Observed
HERBS	Zakhim-e-hayat	saxifraga ligulata	Wild	Temperature	Natural	Available	Available	Antiseptic	All Parts		own use /Market	Self Observed
TUBERS	Salam Mishri	polygonatum vericellatur	Wild	Temperature	Natural	Available	Available	Liver tonic	Root/Shoots		own use /Market	Self Observed
TUBERS	Pateesh	Aconitum heterophyllum	Wild	Temperature	Natural	Available	Available	Medical Uses	Roots		own use /Market	Self Observed
TUBERS	Kins	Dioscorea deltoidea	Wild	Temperature	Natural	Available	Available	Medical Uses	Roots		own use /Market	Self Observed
TUBERS	Ban kakru	podophyllum emodi	Wild	Temperature	Natural	Available	Available	Medical Uses	Root/Fruits		own use /Market	Self Observed
TUBERS	Mushkbala	Valeriana Wallachi	Wild	Temperature	Natural	Available	Available	Medical Uses	Roots		own use /Market	Self Observed
TUBERS	jungli ajwain	Thymus serphyllum	Wild	Temperature	Natural	Available	Available	Medical Uses	Leaves		own use /Market	Self Observed
TUBERS	Gucchi	Morchella esculentum	Wild	Temperature	Natural	Available	Available	Medical Uses	All Parts		own use /Market	Self Observed
TREES	phagora	Ficus palmata	Wild	Temperature	Natural	Available	Available	Medical Uses	Fruits		own use /Market	Self Observed
TREES	Deodar	Cedrus deodara	Wild	Temperature	Natural	Available	Available	Medical Uses	Oil		own use /Market	Self Observed
HERBS	Bana	Vitex nigundo										
SHRUB	Garna	Carissa opaca										
CLIMBER	Giloy	Tonosporea Cordifolia										

Note: Uses: Food/ Veterinary Medicine,/ Human Medicine (Sub-divisions like for children, women etc),/ Agricultural Purpose (Bio-pesticide) Other details: Propagation methods, / Harvesting period,/ Cultivated or collected from wild or both,/ Perennial/annual/seasonal

			For	mat 13: Ornamental l	Plants/ Trees/Clir	nbers 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
	Kareer	Rosa aciculeris		Flower seed	Non-commercial				General

Format 14: Timber Plants / Trees

1	2	3	4		5	6	7	8	9	10
DI 4 T		C	TT 1.4	Local	status	****	Other	A LITTIZ		Community/ Know.
Plant Type	Local Name	Scientific Name	Habitat	Past	Present	Wild/ home- garden	uses (multi)	Associated TK	Other details	holder
TREES	Deodar	Cedrus deodara	Temprature	Available	Available	Wild	House Constt			Self-Observed
TREES	Spruce	Picea smithiana	Temprature	Available	Available	Wild	House Constt			Self-Observed
TREES	fir	Abies pindrow	Temprature	Available	Available	Wild	House Constt			Self-Observed
TREES	Doria	Cedrela serrata	Temprature	Available	Available	Wild	House Constt			Self-Observed
TREES	Safada	Populus deltida	Temprature	Available	Available	Wild	House Constt			Self-Observed
TREES	Robinia	Robunia psedocacia	Temprature	Available	Available	Wild	Agr. Equip.			Self-Observed
TREES	Akhrot	Juglans regia	Temprature	Available	Available	Wild	Furniture			Self-Observed
TREES	Toot	Morus serrata	Temprature	Available	Available	Wild	Furniture			Self-Observed
	Banj	Quercus								
	Maru	Kaloplocamus maru.								
	Binkhar	Aesculus indica								

				Fo	rmat 15: Do	mestica	ted Aniı	nals				
1	2	3	4	5	6	7	7	8	9	10	11	12
Animal Type	Local	Scientific Name	Breed (local/	Features	Method of	Lo sta		Uses	Associated TK	Commercial	Other details including products	Community Know.
Anniai Type	Name	Scientific Ivallie	hybrid)	reatures	keeping	Past	Present	Oses	Associated TK	rearing	and services	Holders
Small Ruminant	Sheep	Local	Small Size							Yes		
		Cross Breed	Rough Coat							Yes	Mutton, Wool, Milk and Skin	
			Large Size							Yes		
			Fine wool		Conventional and tradational					Yes		
		Bakarwali kaghani	Large Size, While Grey etc							Yes		
		Beetal	Usualy Black or Red							Yes	The deptt. provided all necessary medicine facilities.	
		Beetal Croos	Small in size and shotter ears							Yes		
	Cow	Bos Tarus										
	Buffalo	Bubalus bubalis										

Ox	Bos Tarus					
Dog	Canis lupus familiaris					
Horse	Equus caballus					
Mule	Equus asinus × Equus caballus					
Donkey	Equus asinus					
Cat	Felis catus					
Pig	Sus					
Goat	Capra aegagrus hircus					

Uses include milk, meat, skin, fur and etc

					Format 1	6: Cultu	re Fisher	ies				
1	2	3	4	5	6	,	7	8	9	10	11	12
	T IN	Color d'Co No	\$7	E. d	Waterscape	Local	status	T	A taka 1 TIZ	Commercial	041.4.7.	Community Know. Holders
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (pond/bheri/talao)	Past	Present	Uses	Associated TK	rearing	Other details	Holders

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

		Format 17: Marke	ets / Fairs foi	Domesticated A	Animals, Medicii	nal Plants and other pro	ducts	
1	2	3	4	5	6	7	8	9
Name of the Weekly Market / Fair	Location	Weekly / Fortnightly & Others Bi-annual / Annual	Day held	Month incase of bi- annual or annual market fair	Types of animal bought and sold	Number of animals (average) transacted in a day	Places from where the animals are arrived	Places to where the animals are transported

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

1	2	3	4	5		6	7	8	9	10	11
					Loca	l status	Commercial /		Associated		Community
Plant Type	Local Name	Scientific Name	Habit	Habitat	Past	Present	own use	Part collected	TK	Other details	Knowledge Holder
TREE	Kharshu	Quercus semecarpifolia	Tree	Temperate	Available	Available	Own Use	Wood/Leaves			Self Observed
TREE	Fir	Abies pindrow	Tree	Temperate	Available	Available	Own Use	Wood			Self Observed
TREE	Spruce	Picea smithiana	Tree	Temperate	Available	Available	Own Use	Wood			Self Observed
TREE	Deodar	Cedrus deodara	Tree	Temperate	Available	Available	Own Use	Wood			Self Observed
TREE	Akhrot	Juglans regia	Tree	Temperate	Available	Available	Own Use	All Parts			Self Observed
TREE	Kainth	Pyrus pashia	Tree	Temperate	Available	Available	Own Use	Wood/Fruit			Self Observed
TREE	H C Nut	Aesculus indica	Tree	Temperate	Available	Available	Own Use	Wood/Fruit/Leaves			Self Observed
TREE	Khadak	Celtis australis	Tree	Temperate	Available	Available	Own Use	Wood/Leaves			Self Observed
TREE	Rubinia	Robinia psedocacia	Tree	Temperate	Available	Available	Own Use	Wood/Leaves			Self Observed
TREE	Safada	Populus deltida	Tree	Temperate	Available	Available	Own Use	Wood			Self Observed
TREE	Bidhaa	Salix alba	Tree	Temperate	Available	Available	Own Use	Wood/Leaves			Self Observed
TREE	Phagora	Ficus palmata	Tree	Temperate	Available	Available	Own Use	Wood/Fruit			Self Observed
TREE	Toot	Morus serrata	Tree	Temperate	Available	Available	Own Use	Wood/Leaves/Fruit			Self Observed
TREE	Doria	Cedrela serrata	Tree	Temperate	Available	Available	Own Use	Wood			Self Observed
SHRUBS	Tlahnju	Vinernum grandiflorum	SHRUBS	Temperate	Available	Available	Own Use	Wood/Fruit			Self Observed
SHRUBS	Kemblu	Berberis spp.	SHRUBS	Temperate	Available	Available	Own Use	All Parts			Self Observed
HERBS	Saddar	Gerardinia heterophylla	HERBS	Temperate	Available	Available	Own Use	Leaves			Self Observed
HERBS	Kasrod	Pteridium acquilinum	HERBS	Temperate	Available	Available	Own Use/comm	Tender Shoot			Self Observed
HERBS	Pudina	Mentha arvenses	HERBS	Temperate	Available	Available	Own Use	Leaves			Self Observed
HERBS	Bhang	Cannabis sativa	HERBS	Temperate	Available	Available	Own Use/comm	Leaves			Self Observed
HERBS	Brahmi	Centella asiatica	HERBS	Temperate	Available	Available	Own Use/comm	Leaves			Self Observed
HERBS	Banafsha	Viola biflora	HERBS	Temperate	Available	Available	Own Use/comm	Flowers			Self Observed

HERBS	Zakhm-e-hayat	Saxifraga ligulata	HERBS	Temperate	Available	Available	Own Use/comm	All Parts	 	Self Observed
TUBERS	Salam Mishri	Polygonatum vericellatum	TUBERS	Temperate	Available	Available	Own Use/comm	Roots/Shoots	 	Self Observed
TUBERS	Pateesh	Aconitum heterophyllum	TUBERS	Temperate	Available	Available	Own Use/comm	Roots	 	Self Observed
TUBERS	Kins	Dioscorea deltoidea	TUBERS	Temperate	Available	Available	Own Use	Roots	 	Self Observed
TUBERS	Ban Kakru	Podophyllum emodi	TUBERS	Temperate	Available	Available	Own Use/comm	Roots/Fruits	 	Self Observed
TUBERS	Mohra	Aconitum chasmanthum	TUBERS	Temperate	Available	Available	Own Use/comm	Roots	 	Self Observed
TUBERS	Mushkbala	Valeriana wallachi	TUBERS	Temperate	Available	Available	Own Use/comm	Roots	 	Self Observed
TUBERS	Jungali ajwain	Thymus serphyllum	TUBERS	Temperate	Available	Available	Own Use/comm	Leaves	 	Self Observed
TUBERS	Gucchi	Morchella esculentum	TUBERS	Temperate	Available	Available	Own Use/comm	All Parts	 	Self Observed
GRASSES	Drub Ghas	Cynodon dactylon	GRASSES	Temperate	Available	Available	Own Use	Shoots	 	Self Observed
GRASSES	Beeran Ghas	Chrysopogon achinodatus	GRASSES	Temperate	Available	Available	Own Use	Shoots	 	Self Observed
GRASSES	Tilba Ghas	Babri spps.	GRASSES	Temperate	Available	Available	Own Use	Shoots	 	Self Observed
CLIMBERS	Phaguri	Ivy Spps.	CLIMBERS	Temperate	Available	Available	Own Use	Leaves	 	Self Observed
TREE	Banj	Quercus								
SHRUBS	Rosewood	Dalbergia latifolia								
HERBS	Dhoop	Canarium strictum. Roxb								

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	Kharshu	Quercus semecarpifolia	Wild	Social and Economic	Available
2	Fir	Abies pindrow	Wild	Social and Economic	Available
3	Spruce	Picea smithiana	Wild	Social and Economic	Available
4	Deodar	Cedrus deodara	Wild	Social and Economic	Available
5	Akhrot	Juglans regia	Wild	Social and Economic	Available
6	Kainth	Pyrus pashia	Wild	Social and Economic	Available
7	H C Nut	Aesculus indica	Wild	Social and Economic	Available
8	Banj	Quercus incana	Wild	Social and Economic	Available
9	Khadak	Celtis australis	Wild	Social and Economic	Available
10	Chew	Rhododendron arboreum	Wild	Social and Economic	Available
11	Rubinia	Robinia psedocacia	Wild	Social and Economic	Available
12	Safada	Populus deltida	Wild	Social and Economic	Available
13	Bidhaa	Salix alba	Wild	Social and Economic	Available
14	Phagora	Ficus palmata	Wild	Social and Economic	Available
15	Toot	Morus serrata	Wild	Social and Economic	Available
16	Doria	Cedrela serrata	Wild	Social and Economic	Available
17	Tlahnju	Vinernum grandiflorum	Wild	Social and Economic	Available
18	Kemblu	Berberis spp.	Wild	Social and Economic	Available
19	Saddar	Gerardinia heterophylla	Wild	Social and Economic	Available
20	Kasrod	Pteridium acquilinum	Wild	Social and Economic	Available
21	Pudina	Mentha arvenses	Wild	Social and Economic	Available
22	Bhang	Cannabis sativa	Wild	Social and Economic	Available
23	Brahmi	Centella asiatica	Wild	Social and Economic	Available
24	Banafsha	Viola biflora	Wild	Social and Economic	Available
25	Zakhm-e-hayat	Saxifraga ligulata	Wild	Social and Economic	Available
26	Salam Mishri	Polygonatum vericellatum	Wild	Social and Economic	Available
27	Kor	Picrorhiza kurrua	Wild	Social and Economic	Available
28	Pateesh	Aconitum heterophyllum	Wild	Social and Economic	Available
29	Kins	Dioscorea deltoidea	Wild	Social and Economic	Available

30	Ban Kakru	Podophyllum emodi	Wild	Social and Economic	Available
31	Mohra	Aconitum chasmanthum	Wild	Social and Economic	Available
32	Mushkbala	Valeriana wallachi	Wild	Social and Economic	Available
33	Jungali ajwain	Thymus serphyllum	Wild	Social and Economic	Available
34	Gucchi	Morchella esculentum	Wild	Social and Economic	Available
35	Drub Ghas	Cynodon dactylon	Wild	Social and Economic	Available
36	Beeran Ghas	Chrysopogon achinodatus	Wild	Social and Economic	Available
37	Tilba Ghas	Babri spps.	Wild	Social and Economic	Available
38	Phaguri	Ivy Spps.	Wild	Social and Economic	Available

Format 20: Aquatic Biodiversity

1	2	3	4	5		6		8	9	10
T I N	C	\$7. *.4	E. A.	II.1.2.4	Local	Status	*I	A	0411.4.9	Community/
Local Name	Scientific Name	Variety	Features	Habitat	Past	Present	Uses	Associated TK	Other details	Knowledge Holder
Shabaar	Chlorophytus Spps.			Standing water	Available	Available	Skin Burn			Self-Observed
Barian	Acorus calamus			Moist land	Available	Available	Antiflatulent			Self-Observed
Machli(Snow Trout)	Schizothorax richardsonii			Soft water	Available	Available	Food			Self-Observed
daddu(Frog)	Bufo bufo			Water	Available	Available				Self-Observed
Shakraida	Cancer magister			Flowing water	Available	Available				Self-Observed
Saanp	Serpentes Spps.			Water	Available	Available				Self-Observed
Mendak	Rana anura			Water	Available	Available				Self-Observed

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

	Format 21: Wild Aquatic Plant Species of Importance												
1	2	3	4	5	6								
Sl. No.	Local Name Scientific Name Variety Importance Trends												
1	Algae	Chlorophyta	Wild	Minerals and Vitamins									
2	Barian	Acorus calamus	Wild	Antiflatulent									

Format 22: Wild Plants of Medicinal Importance

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb,	Local Name	Scientific Name	Variety	Landscape /	Local S	Status	Associated	Uses (usage)	Part used	Other details	Community/
Shrub, Tree)	Local Name	Scientific Name	variety	Habitat	Past	Present	TK	Uses (usage)	rait useu	market/ own use	Knowledge Holder
HERBS	Saddar	Gerardinia heterophylla	Wild	Temperate	Available	Available		Digestion	Leaves		Self Observed
HERBS	Kasrod	Pteridium acquilinum	Wild	Temperate	Available	Available		Digestion	Tender Shoot		Self Observed
HERBS	Pudina	Mentha arvenses	Wild	Temperate	Available	Available		Spices	Leaves		Self Observed
HERBS	Bhang	Cannabis sativa	Wild	Temperate	Available	Available		Cough	Leaves		Self Observed
HERBS	Brahmi	Centella asiatica	Wild	Temperate	Available	Available		Brain tonic	Leaves		Self Observed
HERBS	Banafsha	Viola biflora	Wild	Temperate	Available	Available		Medicinal uses	Flowers		Self Observed
HERBS	Zakhm-e- havat	Saxifraga ligulata	Wild	Temperate	Available	Available		Antiseptic	All Parts		Self Observed
TUBERS	havat Salam Mishri	Polygonatum vericellatum	Wild	Temperate	Available	Available		Lever tonic	Roots/Shoots		Self Observed
TUBERS	Pateesh	Aconitum heterophyllum	Wild	Temperate	Available	Available		Medicinal uses	Roots		Self Observed
TUBERS	Kins	Dioscorea deltoidea	Wild	Temperate	Available	Available		Medicinal uses	Roots		Self Observed
TUBERS	Ban Kakru	Podophyllum emodi	Wild	Temperate	Available	Available		Medicinal uses	Roots/Fruits		Self Observed
TUBERS	Mohra	Aconitum chasmanthum	Wild	Temperate	Available	Available		Medicinal uses	Roots		Self Observed
TUBERS	Mushkbala	Valeriana wallachi	Wild	Temperate	Available	Available		Medicinal uses	Roots		Self Observed
TUBERS	Jungali aiwain	Thymus serphyllum	Wild	Temperate	Available	Available		Medicinal uses	Leaves		Self Observed
TUBERS	Gucchi	Morchella esculentum	Wild	Temperate	Available	Available		Medicinal uses	All Parts		Self Observed
TREES	Chew	Rhododendron arboreum	Wild	Temperate	Available	Available		Medicinal uses	Flowers		Self Observed
TREES	Phagora	Ficus palmata	Wild	Temperate	Available	Available		Medicinal uses	Fruits		Self Observed
TREES	Deodar	Cedrus deodara	Wild	Temperate	Available	Available		Medicinal uses	Oil		Self Observed

Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide) Other details: Harvesting period /Perennial/annual/seasonal

Format 23: Wild relatives of Crops

1	2	3	4		5	6	7	8	9	10
Local Name	Scientific Name	Associated crop	Landscape / Habitat	Loca Past	l Status Present	Uses (usage)	Part Used	Associated TK	Other details	Community / Know holder
Bankakru	Podophyllum hexadrum	Kheera	Temperate	Available	Available	Salad	Root/Fruit			Self-Observed
Jangali Pudina	Mentha arvenses	Pudina	Temperate	Available	Available	Spices	Leaves			Self-Observed
Guchhi	Morchella esculentum	Mashroom	Temperate	Available	Available	Veg.	All Parts			Self-Observed
Van ajwain	Thymus serphyllum	Ajwain	Along with River			Medical Purpose				By community

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							
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder							

Both

Non-commercial

Self-Observed

Self-Observed

Rhododendron

arboreum

Rosa acicularis

Wild

Wild

Temperate

Temperate

Chew

Wild Rose

	Format 25: Fumigate / Chewing Plants													
1 2 3 4 5 6 7 8 9 10 11														
Plant (Herb,	Local	Local Scientific	Variate	Halifad	Local	Local Status		Dowt used	Associated	Other details	Community			
Shrub, Tree)	Name	Name	Variety	Habitat	Past Present		(usage)	Part used	TK	(mode of use)	knowledge holder			
Shrubs	Kemblu	Berbris aristata	Wild	Temperate	Available	Available	Own use/comm	All Parts			Self-Observed			
Herbs	Bhang	Cannabis sativa	Wild	Temperate	Available	Available	Own use	Leaves			Self-Observed			
Herbs	Mushkbala	Valeriana wallachai	Wild	Temperate	Available	Available	Own use	Roots			Self-Observed			
Trees	Deodar	Cedrus deodara	Wild	Temperate	Available	Available	Own use	Chips	1		Self-Observed			

	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						
Local Ivalie	Scientific Ivaine	Habitat	Past	Present	-		Other Details	Community/ Knowledge Holder						
Deodar	Cedrus deodara	Temperate	Available	Available	Timber	House constt		Self-Observed						
Spruce	Picea smithiana	Temperate	Available	Available	Timber	House constt		Self-Observed						
Fir	Abies pindrow	Temperate	Available	Available	Timber	House constt		Self-Observed						
Doria	Cedrela serrata	Temperate	Available	Available	Timber	House constt		Self-Observed						
Safada	Populus deltida	Temperate	Available	Available	Timber	House constt		Self-Observed						

Timber

Timber

Timber

Agr. Equip.

Furniture

Furniture

Self-Observed

Self-Observed

Self-Observed

Robinia

Akhrot

Toot

Robinia psedocacia

Juglans regia

Morus serrata

Temperate

Temperate

Temperate

Available

Available

Available

Available

Available

Available

Format 27 A: Coastal and Marine Flora

1	2	3	4		5	6	7	8	9	10
				Loc	al Status	Parts Collected	Commercial Uses			
Plant Type	Local Name	Scientific Name	Habitat	Past	Present	(if any)	(if any)	Other Uses	Associated TK	Community/ Knowledge Holder

Format 27 B: Coastal and Marine Fauna

1	2	3	4		5	6	7	8	9	10
				Loc	Local Status	C				
Animal Type	Local Name	Scientific Name	Habitat	Past	Present	Parts Collected (if any)	Commercial Uses (if any)	Other Uses	Associated TK	Community/ Knowledge Holder

	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	Loc Past	al Status Present	Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder

URBAN BIODIVERSITY Format 29: FLORA 2 3 1 4 5 6 7 Scientific Name **Type of Plants** Flowering Season Remarks (Rare / Common etc.) Sr. No. **Local Name** Habitat

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 Terrestrial (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 plantation - habitat / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

Format 31: Any other information of local importance						
1	2	3				
Sr. No.	Information of local importance	Remarks				